Appendix C1 Air Quality and GHG Modeling Data

Appendices

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Criteria Air Pollutant and GHG Emissions Worksheets

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Regional Construction Emissions Worksheet: Phase 1

P1 Demolition

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2018**						
Fugitive Dust		0	0	0	0	1.2127	0.1836
Off-Road		3.719	38.3225	22.304	0.0388	1.9386	1.8048
Total		**3.719**	**38.3225**	**22.304**	**0.0388**	**3.1513**	**1.9885**
Offsite							
Hauling		0.1333	4.2901	0.9368	0.0106	0.2299	0.0747
Vendor		0.00959	0.2457	0.0737	0.00053	0.0137	0.00516
Worker		0.0917	0.0693	0.8101	0.00189	0.156	0.0426
Total		**0.2346**	**4.605**	**1.7564**	**0.013**	**0.3996**	**0.1224**
TOTAL		***3.9536***	***42.9275***	***24.0604***	***0.0518***	***3.5509***	***2.1109***

P1 Site Preparation

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2018**						
Fugitive Dust		0	0	0	0	7.7233	4.2454
Off-Road		4.5627	48.1988	22.4763	0.038	2.5769	2.3708
Total		**4.5627**	**48.1988**	**22.4763**	**0.038**	**10.3002**	**6.6161**
Offsite							
Hauling		0	0	0	0	0	0
Vendor		0.00959	0.2457	0.0737	0.00053	0.0137	0.00516
Worker		0.1101	0.0831	0.9721	0.00227	0.1873	0.0512
Total		**0.1197**	**0.3288**	**1.0392**	**0.0028**	**0.201**	**0.0563**
TOTAL		***4.6824***	***48.5276***	***23.5155***	***0.0408***	***10.5012***	***6.6724***

P1 Grading

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2018**						
Fugitive Dust		0	0	0	0	3.728	1.5406
Off-Road		5.0901	59.5218	35.0894	0.062	2.6337	2.423
Total		**5.0901**	**59.5218**	**35.0894**	**0.062**	**6.3618**	**3.9636**
Offsite							
Hauling		0.5309	17.084	3.7305	0.0423	0.9153	0.2973
Vendor		0.00959	0.2457	0.0737	0.00053	0.0137	0.00516
Worker		0.1223	0.0923	1.0802	0.00252	0.2081	0.0568
Total		**0.6628**	**17.422**	**4.7988**	**0.0453**	**1.1371**	**0.3593**
TOTAL		***5.7529***	***76.9438***	***39.8882***	***0.1073***	***7.4989***	***4.3229***

P1 Building Construction

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2018**						
Off-Road		2.6795	23.39	17.5804	0.0269	1.4999	1.4099
Total		**2.6795**	**23.39**	**17.5804**	**0.0269**	**1.4999**	**1.4099**
Offsite							
Hauling		0	0	0	0	0	0
Vendor		1.1793	30.2175	9.0611	0.065	1.6897	0.6351
Worker		3.5344	2.6687	31.2163	0.0728	6.0128	1.6424
Total		**4.7137**	**32.8862**	**39.4597**	**0.1379**	**7.7025**	**2.2776**
TOTAL		***7.3932***	***56.2762***	***57.0401***	***0.1648***	***9.2024***	***3.6875***

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2019**						
Off-Road		2.3612	21.0788	17.1638	0.0269	1.2899	1.2127

	Total		**2.3612**	**21.0788**	**17.1638**	**0.0269**	**1.2899**	**1.2127**
Offsite								
	Hauling		0	0	0	0	0	0
	Vendor		1.0661	28.5077	8.3266	0.0643	1.6584	0.6051
	Worker		3.2008	2.3501	27.8691	0.0704	6.0109	1.6407
	Total		**4.2669**	**30.8577**	**35.4232**	**0.1347**	**7.6692**	**2.2458**
TOTAL			***6.6281***	***51.9365***	***52.5870***	***0.1616***	***8.9591***	***3.4585***

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2020**						
	Off-Road		2.1198	19.186	16.8485	0.0269	1.1171	1.0503
	Total		**2.1198**	**19.186**	**16.8485**	**0.0269**	**1.1171**	**1.0503**
Offsite								
	Hauling		0	0	0	0	0	0
	Vendor		0.9147	26.1676	7.5617	0.0638	1.599	0.5483
	Worker		2.9537	2.0951	25.3074	0.0683	6.0092	1.6391
	Total		**3.8684**	**28.2573**	**32.1636**	**0.1321**	**7.6082**	**2.1874**
TOTAL			***5.9882***	***47.4433***	***49.0121***	***0.1590***	***8.7253***	***3.2377***

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2021**						
	Off-Road		1.9009	17.4321	16.5752	0.0269	0.9586	0.9013
	Total		**1.9009**	**17.4321**	**16.5752**	**0.0269**	**0.9586**	**0.9013**
Offsite								
	Hauling		0	0	0	0	0	0
	Vendor		0.785	23.884	6.9069	0.0633	1.5243	0.4769
	Worker		2.756	1.8851	23.2803	0.0661	6.0074	1.6374
	Total		**3.541**	**25.7198**	**29.5242**	**0.1293**	**7.5317**	**2.1143**
TOTAL			***5.4419***	***43.1519***	***46.0994***	***0.1562***	***8.4903***	***3.0156***

P1 Architectural Coating

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2019**						
	Archit. Coating		8.084	0	0	0	0	0
	Off-Road		0.2664	1.8354	1.8413	0.00297	0.1288	0.1288
	Total		**8.3504**	**1.8354**	**1.8413**	**0.00297**	**0.1288**	**0.1288**
Offsite								
	Hauling		0	0	0	0	0	0
	Vendor		0	0	0	0	0	0
	Worker		0.6424	0.4716	5.5931	0.0141	1.2063	0.3293
	Total		**0.6424**	**0.4716**	**5.5931**	**0.0141**	**1.2063**	**0.3293**
TOTAL			***8.9928***	***2.3070***	***7.4344***	***0.0171***	***1.3351***	***0.4581***

P1 Building Construction and Coating (2019)	***15.6209***	***54.2435***	***60.0214***	***0.1787***	***10.2942***	***3.9166***

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2020**						
	Archit. Coating		8.084	0	0	0	0	0
	Off-Road		0.2422	1.6838	1.8314	0.00297	0.1109	0.1109
	Total		**8.3262**	**1.6838**	**1.8314**	**0.00297**	**0.1109**	**0.1109**
Offsite								
	Hauling		0	0	0	0	0	0
	Vendor		0	0	0	0	0	0
	Worker		0.5928	0.4205	5.079	0.0137	1.206	0.329
	Total		**0.5928**	**0.4205**	**5.079**	**0.0137**	**1.206**	**0.329**
TOTAL			***8.9190***	***2.1043***	***6.9104***	***0.0167***	***1.3169***	***0.4399***

P1 Building Construction and Coating (2020)		***14.9072***	***49.5476***	***55.9225***	***0.1757***	***10.0422***	***3.6776***
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2021**						
Archit. Coating		8.084	0	0	0	0	0
Off-Road		0.2189	1.5268	1.8176	0.00297	0.0941	0.0941
Total		**8.3029**	**1.5268**	**1.8176**	**0.00297**	**0.0941**	**0.0941**
Offsite							
Hauling		0	0	0	0	0	0
Vendor		0	0	0	0	0	0
Worker		0.5531	0.3783	4.6722	0.0133	1.2056	0.3286
Total		**0.5531**	**0.3783**	**4.6722**	**0.0133**	**1.2056**	**0.3286**
TOTAL		***8.8560***	***1.9051***	***6.4898***	***0.0163***	***1.2997***	***0.4227***
P1 Building Construction and Coating (2021)		***14.2979***	***45.0570***	***52.5892***	***0.1725***	***9.7900***	***3.4383***
P2 Demolition							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2021**						
Fugitive Dust		0	0	0	0	1.4773	0.2237
Off-Road		3.1651	31.4407	21.565	0.0388	1.5513	1.4411
Total		**3.1651**	**31.4407**	**21.565**	**0.0388**	**3.0286**	**1.6648**
Offsite							
Hauling		0.1363	4.3354	1.0649	0.0125	0.2735	0.0846
Vendor		0.00638	0.1942	0.0562	0.00051	0.0124	0.00388
Worker		0.0715	0.0489	0.6042	0.00171	0.1559	0.0425
Total		**0.2142**	**4.5781**	**1.6734**	**0.0147**	**0.4418**	**0.131**
TOTAL		***3.3793***	***36.0188***	***23.2384***	***0.0535***	***3.4704***	***1.7958***
P1 Building Construction, Coating , & P2 Demolition (2021)		***17.6772***	***81.0758***	***75.8276***	***0.2260***	***13.2604***	***5.2341***
P1 Paving							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2021**						
Off-Road		1.2556	12.9191	14.6532	0.0228	0.6777	0.6235
Paving		0.4212	0	0	0	0	0
Total		**1.6767**	**12.9191**	**14.6532**	**0.0228**	**0.6777**	**0.6235**
Offsite							
Hauling		0	0	0	0	0	0
Vendor		0	0	0	0	0	0
Worker		0.0715	0.0489	0.6042	0.00171	0.1559	0.0425
Total		**0.0715**	**0.0489**	**0.6042**	**0.00171**	**0.1559**	**0.0425**
TOTAL		***1.7482***	***12.9680***	***15.2574***	***0.0245***	***0.8336***	***0.6660***
P1 Coating , Paving, & P2 Demo (2021)		***13.9835***	***50.8919***	***44.9856***	***0.0943***	***5.6037***	***2.8845***
P2 Site Preparation							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2021**						
Fugitive Dust		0	0	0	0	7.7233	4.2454
Off-Road		3.8882	40.4971	21.1543	0.038	2.0445	1.8809
Total		**3.8882**	**40.4971**	**21.1543**	**0.038**	**9.7678**	**6.1263**
Offsite							
Hauling		0	0	0	0	0	0

	Vendor	0.00638	0.1942	0.0562	0.00051	0.0124	0.00388
	Worker	0.0858	0.0587	0.725	0.00206	0.1871	0.051
	Total	**0.0922**	**0.2525**	**0.7758**	**0.00257**	**0.1995**	**0.0549**
TOTAL		***3.9804***	***40.7496***	***21.9301***	***0.0406***	***9.9673***	***6.1812***
P1 Coating & P2 Site Prep (2021)		***12.8364***	***42.6547***	***28.4199***	***0.0568***	***11.2670***	***6.6039***

P2 Grading

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2021**						
Fugitive Dust		0	0	0	0	3.7169	1.5389
Off-Road		4.1912	46.3998	30.8785	0.062	1.9853	1.8265
Total		**4.1912**	**46.3998**	**30.8785**	**0.062**	**5.7023**	**3.3654**
Offsite							
Hauling		0.2004	6.3719	1.5651	0.0183	0.402	0.1244
Vendor		0.00638	0.1942	0.0562	0.00051	0.0124	0.00388
Worker		0.0954	0.0652	0.8056	0.00229	0.2079	0.0567
Total		**0.3021**	**6.6309**	**2.3577**	**0.0211**	**0.6223**	**0.1849**
TOTAL		***4.4933***	***53.0307***	***33.2362***	***0.0831***	***6.3246***	***3.5503***
P1 Coating & P2 Grading (2021)		***13.3493***	***54.9358***	***39.7260***	***0.0994***	***7.6243***	***3.9730***

P2 Building Construction

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2021**						
Off-Road		1.9009	17.4321	16.5752	0.0269	0.9586	0.9013
Total		**1.9009**	**17.4321**	**16.5752**	**0.0269**	**0.9586**	**0.9013**
Offsite							
Hauling		0	0	0	0	0	0
Vendor		0.5042	15.3401	4.4362	0.0406	0.9791	0.3063
Worker		1.8024	1.2328	15.2249	0.0432	3.9287	1.0708
Total		**2.3066**	**16.5413**	**19.2352**	**0.0838**	**4.9078**	**1.3771**
TOTAL		***4.2075***	***33.9734***	***35.8104***	***0.1107***	***5.8664***	***2.2784***
P1 Coating & P2 Building Construction (2021)		***13.0635***	***35.8785***	***42.3002***	***0.1270***	***7.1661***	***2.7011***

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2022**						
Off-Road		1.7062	15.6156	16.3634	0.0269	0.809	0.7612
Total		**1.7062**	**15.6156**	**16.3634**	**0.0269**	**0.809**	**0.7612**
Offsite							
Hauling		0	0	0	0	0	0
Vendor		0.4733	14.5882	4.1992	0.0402	0.975	0.3024
Worker		1.6928	1.1134	14.0466	0.0417	3.9276	1.0699
Total		**2.1661**	**15.6619**	**17.841**	**0.0819**	**4.9027**	**1.3723**
TOTAL		***3.8723***	***31.2775***	***34.2044***	***0.1088***	***5.7117***	***2.1335***

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2023**						
Off-Road		1.5728	14.3849	16.244	0.0269	0.6997	0.6584
Total		**1.5728**	**14.3849**	**16.244**	**0.0269**	**0.6997**	**0.6584**
Offsite							
Hauling		0	0	0	0	0	0
Vendor		0.3516	11.069	3.7313	0.0389	0.9602	0.2882
Worker		1.5948	1.007	12.9357	0.0401	3.9267	1.069
Total		**1.9465**	**12.0257**	**16.3624**	**0.0791**	**4.8869**	**1.3572**

TOTAL		***3.5193***	***26.4106***	***32.6064***	***0.1060***	***5.5866***	***2.0156***
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2024**						
Off-Road		1.4716	13.4438	16.1668	0.027	0.6133	0.5769
Total		**1.4716**	**13.4438**	**16.1668**	**0.027**	**0.6133**	**0.5769**
Offsite							
Hauling		0	0	0	0	0	0
Vendor		0.343	11.0267	3.6182	0.0387	0.96	0.288
Worker		1.5134	0.9181	12.059	0.0389	3.9262	1.0685
Total		**1.8564**	**11.8973**	**15.3814**	**0.0776**	**4.8862**	**1.3565**
TOTAL		***3.3280***	***25.3411***	***31.5482***	***0.1046***	***5.4995***	***1.9334***
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2025**						
Off-Road		1.3674	12.4697	16.0847	0.027	0.5276	0.4963
Total		**1.3674**	**12.4697**	**16.0847**	**0.027**	**0.5276**	**0.4963**
Offsite							
Hauling		0	0	0	0	0	0
Vendor		0.3342	10.9331	3.5258	0.0385	0.9597	0.2877
Worker		1.4416	0.8398	11.2001	0.0374	3.9256	1.0679
Total		**1.7758**	**11.726**	**14.4372**	**0.0759**	**4.8853**	**1.3557**
TOTAL		***3.1432***	***24.1957***	***30.5219***	***0.1029***	***5.4129***	***1.8520***

P2 Architectural Coating

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2022**						
Archit. Coating		3.2781	0	0	0	0	0
Off-Road		0.2045	1.4085	1.8136	0.00297	0.0817	0.0817
Total		**3.4826**	**1.4085**	**1.8136**	**0.00297**	**0.0817**	**0.0817**
Offsite							
Hauling		0	0	0	0	0	0
Vendor		0	0	0	0	0	0
Worker		0.3404	0.2239	2.8242	0.00838	0.7897	0.2151
Total		**0.3404**	**0.2239**	**2.8242**	**0.00838**	**0.7897**	**0.2151**
TOTAL		***3.8230***	***1.6324***	***4.6378***	***0.0114***	***0.8714***	***0.2968***
P2 Building Construction & Coating (2022)		***7.6953***	***32.9099***	***38.8422***	***0.1202***	***6.5831***	***2.4303***
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2023**						
Archit. Coating		3.2781	0	0	0	0	0
Off-Road		0.1917	1.303	1.8111	0.00297	0.0708	0.0708
Total		**3.4697**	**1.303**	**1.8111**	**0.00297**	**0.0708**	**0.0708**
Offsite							
Hauling		0	0	0	0	0	0
Vendor		0	0	0	0	0	0
Worker		0.3207	0.2025	2.6008	0.00807	0.7895	0.2149
Total		**0.3207**	**0.2025**	**2.6008**	**0.00807**	**0.7895**	**0.2149**
TOTAL		***3.7904***	***1.5055***	***4.4119***	***0.0110***	***0.8603***	***0.2857***
P2 Building Construction & Coating (2023)		***7.3097***	***27.9161***	***37.0183***	***0.1170***	***6.4469***	***2.3013***
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2024**						
Archit. Coating		3.2781	0	0	0	0	0

	Off-Road	0.1808	1.2188	1.8101	0.00297	0.0609	0.0609
	Total	**3.4588**	**1.2188**	**1.8101**	**0.00297**	**0.0609**	**0.0609**
Offsite							
	Hauling	0	0	0	0	0	0
	Vendor	0	0	0	0	0	0
	Worker	0.3043	0.1846	2.4246	0.00782	0.7894	0.2148
	Total	**0.3043**	**0.1846**	**2.4246**	**0.00782**	**0.7894**	**0.2148**
TOTAL		***3.7631***	***1.4034***	***4.2347***	***0.0108***	***0.8503***	***0.2757***
	P2 Building Construction & Coating (2024)	***7.0911***	***26.7445***	***35.7829***	***0.1154***	***6.3498***	***2.2091***

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2025**							
	Archit. Coating		3.2781	0	0	0	0	0
	Off-Road		0.1709	1.1455	1.8091	0.00297	0.0515	0.0515
	Total		**3.4489**	**1.1455**	**1.8091**	**0.00297**	**0.0515**	**0.0515**
Offsite								
	Hauling		0	0	0	0	0	0
	Vendor		0	0	0	0	0	0
	Worker		0.2898	0.1689	2.2519	0.00752	0.7893	0.2147
	Total		**0.2898**	**0.1689**	**2.2519**	**0.00752**	**0.7893**	**0.2147**
TOTAL			***3.7387***	***1.3144***	***4.0610***	***0.0105***	***0.8408***	***0.2662***
	P2 Building Construction & Coating (2025)		***6.8819***	***25.5101***	***34.5829***	***0.1134***	***6.2537***	***2.1182***

P2 Paving

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2025**							
	Off-Road		0.9152	8.5816	14.578	0.0228	0.4185	0.385
	Paving		0.1734	0	0	0	0	0
	Total		**1.0885**	**8.5816**	**14.578**	**0.0228**	**0.4185**	**0.385**
Offsite								
	Hauling		0	0	0	0	0	0
	Vendor		0	0	0	0	0	0
	Worker		0.0572	0.0333	0.4445	0.00148	0.1558	0.0424
	Total		**0.0572**	**0.0333**	**0.4445**	**0.00148**	**0.1558**	**0.0424**
TOTAL			***1.1457***	***8.6149***	***15.0225***	***0.0243***	***0.5743***	***0.4274***
	P2 Coating & Paving (2025)		***4.8844***	***9.9293***	***19.0835***	***0.0348***	***1.4151***	***0.6936***
MAX DAILY			**17.68**	**81.08**	**75.83**	**0.23**	**13.26**	**6.67**
Regional Thresholds			**75**	**100**	**550**	**150**	**150**	**55**
Exceeds Thresholds?			No	No	No	No	No	No

Localized Construction Emissions Worksheet: Phase 1 and Phase 2

P1 Demolition		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2018**				
	Fugitive Dust	0	0	1.2127	0.1836
	Off-Road	38.3225	22.304	1.9386	1.8048
	Total	**38.3225**	**22.304**	**3.1513**	**1.9885**
TOTAL		***38.3225***	***22.3040***	***3.1513***	***1.9885***
	1.00-Acre LSTs	***89***	***623***	***5.00***	***3.00***
	Exceeds LSTs?	***No***	***No***	***No***	***No***

P1 Site Preparation		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2018**				
	Fugitive Dust	0	0	7.7233	4.2454
	Off-Road	48.1988	22.4763	2.5769	2.3708
	Total	**48.1988**	**22.4763**	**10.3002**	**6.6161**
TOTAL		***48.1988***	***22.4763***	***10.3002***	***6.6161***
	3.50-Acre LSTs	***165***	***1,343***	***10.49***	***6.50***
	Exceeds LSTs?	***No***	***No***	***No***	***Yes***

P1 Grading		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2019**				
	Fugitive Dust	0	0	3.728	1.5406
	Off-Road	59.5218	35.0894	2.6337	2.423
	Total	**59.5218**	**35.0894**	**6.3618**	**3.9636**
TOTAL		***59.5218***	***35.0894***	***6.3618***	***3.9636***
	4.00-Acre LSTs	***178***	***1,473***	***11.66***	***7.00***
	Exceeds LSTs?	***No***	***No***	***No***	***No***

P1 Building Construction		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2018**				
	Off-Road	23.39	17.5804	1.4999	1.4099
	Total	**23.39**	**17.5804**	**1.4999**	**1.4099**
TOTAL		***23.3900***	***17.5804***	***1.4999***	***1.4099***
	1.31-Acre LSTs	***101***	***726***	***6***	***4***
	Exceeds LSTs?	***No***	***No***	***No***	***No***

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2019**				
Off-Road		21.0788	17.1638	1.2899	1.2127
Total		**21.0788**	**17.1638**	**1.2899**	**1.2127**
TOTAL		***21.0788***	***17.1638***	***1.2899***	***1.2127***
	1.31-Acre LSTs	***101***	***726***	***6***	***4***
	Exceeds LSTs?	***No***	***No***	***No***	***No***

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2020**				
Off-Road		19.186	16.8485	1.1171	1.0503
Total		**19.186**	**16.8485**	**1.1171**	**1.0503**
TOTAL		***19.1860***	***16.8485***	***1.1171***	***1.0503***

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2021**				
Off-Road		17.4321	16.5752	0.9586	0.9013
Total		**17.4321**	**16.5752**	**0.9586**	**0.9013**
TOTAL		***17.4321***	***16.5752***	***0.9586***	***0.9013***

P1 Architectural Coating

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2019**				
Archit. Coating		0	0	0	0
Off-Road		1.8354	1.8413	0.1288	0.1288
Total		**1.8354**	**1.8413**	**0.1288**	**0.1288**
TOTAL		***1.8354***	***1.8413***	***0.1288***	***0.1288***
P1 Building Construction and Coating (2019)		**54.3549**	**40.5701**	**2.9700**	**2.7826**
	1.31-Acre LSTs	***101***	***726***	***5.62***	***3.62***
	Exceeds LSTs?	***No***	***No***	***No***	***No***

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2020**				
Archit. Coating		0	0	0	0
Off-Road		1.6838	1.8314	0.1109	0.1109
Total		**1.6838**	**1.8314**	**0.1109**	**0.1109**
TOTAL		***1.6838***	***1.8314***	***0.1109***	***0.1109***
P1 Building Construction and Coating (2020)		***52.3105***	***40.2449***	***2.7793***	***2.6023***
	1.31-Acre LSTs	***101***	***726***	***5.62***	***3.62***
	Exceeds LSTs?	***No***	***No***	***No***	***No***

Onsite	**2021**				

	Archit. Coating	0	0	0	0
	Off-Road	1.5268	1.8176	0.0941	0.0941
	Total	**1.5268**	**1.8176**	**0.0941**	**0.0941**
TOTAL		***1.5268***	***1.8176***	***0.0941***	***0.0941***
P1 Building Construction and Coating (2021)		**31.8780**	**33.0460**	**1.7304**	**1.6189**
	1.31-Acre LSTs	***101***	***726***	***5.62***	***3.62***
	Exceeds LSTs?	***No***	***No***	***No***	***No***

P2 Demolition

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2021**				
Fugitive Dust		0	0	1.4773	0.2237
Off-Road		31.4407	21.565	1.5513	1.4411
Total		**31.4407**	**21.565**	**3.0286**	**1.6648**
Offsite					
Hauling		4.3354	1.0649	0.2735	0.0846
Vendor		0.1942	0.0562	0.0124	0.00388
Worker		0.0489	0.6042	0.1559	0.0425
Total		**4.5781**	**1.6734**	**0.4418**	**0.131**
TOTAL		***36.0188***	***23.2384***	***3.4704***	***1.7958***
P1 Building Construction, Coating , & P2 Demolition (2021)		***67.8968***	***56.2844***	***5.2008***	***3.4147***
	2.31-Acre LSTs	***136***	***1,034***	***7.72***	***5.31***
	Exceeds LSTs?	***No***	***No***	***No***	***No***

P1 Paving

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2021**				
Off-Road		12.9191	14.6532	0.6777	0.6235
Paving		0	0	0	0
Total		**12.9191**	**14.6532**	**0.6777**	**0.6235**
TOTAL		***12.9191***	***14.6532***	***0.6777***	***0.6235***
P1 Coating , Paving, & P2 Demo (2021)		***50.4647***	***39.7092***	***4.2422***	***2.5134***
	1.00-Acre LSTs	***89***	***623***	***5.00***	***3.00***
	Exceeds LSTs?	***No***	***No***	***No***	***No***

P2 Site Preparation

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2021**				
Fugitive Dust		0	0	7.7233	4.2454

	Off-Road	40.4971	21.1543	2.0445	1.8809
	Total	**40.4971**	**21.1543**	**9.7678**	**6.1263**
TOTAL		***40.4971***	***21.1543***	***9.7678***	***6.1263***
P1 Coating & P2 Site Prep (2021)		***42.0239***	***22.9719***	***9.8619***	***6.2204***
	3.50-Acre LSTs	***165***	***1,343***	***10.49***	***6.50***
	Exceeds LSTs?	***No***	***No***	***No***	***No***

P2 Grading

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2021**				
	Fugitive Dust	0	0	3.7169	1.5389
	Off-Road	46.3998	30.8785	1.9853	1.8265
	Total	**46.3998**	**30.8785**	**5.7023**	**3.3654**
TOTAL		***46.3998***	***30.8785***	***5.7023***	***3.3654***
P1 Coating & P2 Grading (2021)		***47.9266***	***32.6961***	***5.7964***	***3.4595***
	4.00-Acre LSTs	***178***	***1,473***	***11.66***	***7.00***
	Exceeds LSTs?	***No***	***No***	***No***	***No***

P2 Building Construction

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2021**				
	Off-Road	17.4321	16.5752	0.9586	0.9013
	Total	**17.4321**	**16.5752**	**0.9586**	**0.9013**
TOTAL		***17.4321***	***16.5752***	***0.9586***	***0.9013***
P1 Coating & P2 Building Construction (2021)		***18.9589***	***18.3928***	***1.0527***	***0.9954***
	1.31-Acre LSTs	***101***	***726***	***5.62***	***3.62***
	Exceeds LSTs?	***No***	***No***	***No***	***No***

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2022**				
	Off-Road	15.6156	16.3634	0.809	0.7612
	Total	**15.6156**	**16.3634**	**0.809**	**0.7612**
TOTAL		***15.6156***	***16.3634***	***0.8090***	***0.7612***
	1.31-Acre LSTs	***101***	***726***	***5.62***	***3.62***
	Exceeds LSTs?	***No***	***No***	***No***	***No***

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2023**				

Off-Road	14.3849	16.244	0.6997	0.6584
Total	**14.3849**	**16.244**	**0.6997**	**0.6584**
TOTAL	***14.3849***	***16.2440***	***0.6997***	***0.6584***

	NOx	CO	PM10 Total	PM2.5 Total
Onsite **2024**				
Off-Road	13.4438	16.1668	0.6133	0.5769
Total	**13.4438**	**16.1668**	**0.6133**	**0.5769**
TOTAL	***13.4438***	***16.1668***	***0.6133***	***0.5769***

	NOx	CO	PM10 Total	PM2.5 Total
Onsite **2025**				
Off-Road	12.4697	16.0847	0.5276	0.4963
Total	**12.4697**	**16.0847**	**0.5276**	**0.4963**
TOTAL	***12.4697***	***16.0847***	***0.5276***	***0.4963***

P2 Architectural Coating

	NOx	CO	PM10 Total	PM2.5 Total
Onsite **2022**				
Archit. Coating	0	0	0	0
Off-Road	1.4085	1.8136	0.0817	0.0817
Total	**1.4085**	**1.8136**	**0.0817**	**0.0817**
TOTAL	***1.4085***	***1.8136***	***0.0817***	***0.0817***
P2 Building Construction & Coating (2022)	***17.0241***	***18.1770***	***0.8907***	***0.8429***
1.31-Acre LSTs	***101***	***726***	***5.62***	***3.62***
Exceeds LSTs?	***No***	***No***	***No***	***No***

	NOx	CO	PM10 Total	PM2.5 Total
Onsite **2023**				
Archit. Coating	0	0	0	0
Off-Road	1.303	1.8111	0.0708	0.0708
Total	**1.303**	**1.8111**	**0.0708**	**0.0708**
TOTAL	***1.3030***	***1.8111***	***0.0708***	***0.0708***
P2 Building Construction & Coating (2023)	***15.6879***	***18.0551***	***0.7705***	***0.7292***
1.31-Acre LSTs	***101***	***726***	***5.62***	***3.62***
Exceeds LSTs?	***No***	***No***	***No***	***No***

	NOx	CO	PM10 Total	PM2.5 Total
Onsite **2024**				
Archit. Coating	0	0	0	0
Off-Road	1.2188	1.8101	0.0609	0.0609
Total	**1.2188**	**1.8101**	**0.0609**	**0.0609**

TOTAL		***1.2188***	***1.8101***	***0.0609***	***0.0609***
P2 Building Construction & Coating (2024)		***14.6626***	***17.9769***	***0.6742***	***0.6378***
	1.31-Acre LSTs	***101***	***726***	***5.62***	***3.62***
	Exceeds LSTs?	***No***	***No***	***No***	***No***
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2025**				
	Archit. Coating	0	0	0	0
	Off-Road	1.1455	1.8091	0.0515	0.0515
	Total	**1.1455**	**1.8091**	**0.0515**	**0.0515**
TOTAL		***1.1455***	***1.8091***	***0.0515***	***0.0515***
P2 Building Construction & Coating (2025)		***13.6152***	***17.8938***	***0.5791***	***0.5478***
	1.31-Acre LSTs	***101***	***726***	***5.62***	***3.62***
	Exceeds LSTs?	***No***	***No***	***No***	***No***
P2 Paving					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2025**				
	Off-Road	8.5816	14.578	0.4185	0.385
	Paving	0	0	0	0
	Total	**8.5816**	**14.578**	**0.4185**	**0.385**
TOTAL		***8.5816***	***14.5780***	***0.4185***	***0.3850***
P2 Coating & Paving (2025)		***9.7271***	***16.3871***	***0.4700***	***0.4365***
	<1-Acre LSTs	***89***	***623***	***5.00***	***3.00***
	Exceeds LSTs?	***No***	***No***	***No***	***No***

Localized Construction Emissions Worksheet: Phase 1 and Phase 2 - Mitigated

P1 Demolition		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2018**				
	Fugitive Dust	0	0	1.1929	0.1806
	Off-Road	38.3225	22.304	1.9386	1.8048
	Total	**38.3225**	**22.304**	**3.1314**	**1.9854**
TOTAL		***38.3225***	***22.3040***	***3.1314***	***1.9854***
	1.00-Acre LSTs	***89***	***623***	***5.00***	***3.00***
	Exceeds LSTs?	***No***	***No***	***No***	***No***

P1 Site Preparation		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2018**				
	Fugitive Dust	0	0	6.6936	3.6793
	Off-Road	48.1988	22.4763	2.5769	2.3708
	Total	**48.1988**	**22.4763**	**9.2705**	**6.0501**
TOTAL		***48.1988***	***22.4763***	***9.2705***	***6.0501***
	3.50-Acre LSTs	***165***	***1,343***	***10.49***	***6.50***
	Exceeds LSTs?	***No***	***No***	***No***	***No***

P1 Grading		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2019**				
	Fugitive Dust	0	0	3.7284	1.5406
	Off-Road	59.5218	35.0894	2.6337	2.423
	Total	**59.5218**	**35.0894**	**6.3621**	**3.9637**
TOTAL		***59.5218***	***35.0894***	***6.3621***	***3.9637***
	4.00-Acre LSTs	***178***	***1,473***	***11.66***	***7.00***
	Exceeds LSTs?	***No***	***No***	***No***	***No***

P1 Building Construction		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2018**				
	Off-Road	23.39	17.5804	1.4999	1.4099
	Total	**23.39**	**17.5804**	**1.4999**	**1.4099**
TOTAL		***23.3900***	***17.5804***	***1.4999***	***1.4099***
	1.31-Acre LSTs	***101***	***726***	***6***	***4***
	Exceeds LSTs?	***No***	***No***	***No***	***No***

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2019**				
Off-Road		21.0788	17.1638	1.2899	1.2127
Total		**21.0788**	**17.1638**	**1.2899**	**1.2127**
TOTAL		***21.0788***	***17.1638***	***1.2899***	***1.2127***
1.31-Acre LSTs		***101***	***726***	***6***	***4***
Exceeds LSTs?		***No***	***No***	***No***	***No***

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2020**				
Off-Road		19.186	16.8485	1.1171	1.0503
Total		**19.186**	**16.8485**	**1.1171**	**1.0503**
TOTAL		***19.1860***	***16.8485***	***1.1171***	***1.0503***

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2021**				
Off-Road		17.4321	16.5752	0.9586	0.9013
Total		**17.4321**	**16.5752**	**0.9586**	**0.9013**
TOTAL		***17.4321***	***16.5752***	***0.9586***	***0.9013***

P1 Architectural Coating

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2019**				
Archit. Coating		0	0	0	0
Off-Road		1.8354	1.8413	0.1288	0.1288
Total		**1.8354**	**1.8413**	**0.1288**	**0.1288**
TOTAL		***1.8354***	***1.8413***	***0.1288***	***0.1288***
P1 Building Construction and Coating (2019)		**54.3549**	**40.5701**	**2.9700**	**2.7826**
1.31-Acre LSTs		***101***	***726***	***5.62***	***3.62***
Exceeds LSTs?		***No***	***No***	***No***	***No***

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2020**				
Archit. Coating		0	0	0	0
Off-Road		1.6838	1.8314	0.1109	0.1109
Total		**1.6838**	**1.8314**	**0.1109**	**0.1109**
TOTAL		***1.6838***	***1.8314***	***0.1109***	***0.1109***
P1 Building Construction and Coating (2020)		***52.3105***	***40.2449***	***2.7793***	***2.6023***
1.31-Acre LSTs		***101***	***726***	***5.62***	***3.62***
Exceeds LSTs?		***No***	***No***	***No***	***No***

Onsite	**2021**				

	Archit. Coating	0	0	0	0
	Off-Road	1.5268	1.8176	0.0941	0.0941
	Total	**1.5268**	**1.8176**	**0.0941**	**0.0941**
TOTAL		***1.5268***	***1.8176***	***0.0941***	***0.0941***
	P1 Building Construction and Coating (2021)	**31.8780**	**33.0460**	**1.7304**	**1.6189**
	1.31-Acre LSTs	***101***	***726***	***5.62***	***3.62***
	Exceeds LSTs?	***No***	***No***	***No***	***No***

P2 Demolition

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2021**				
	Fugitive Dust	0	0	1.4773	0.2237
	Off-Road	31.4407	21.565	1.5513	1.4411
	Total	**31.4407**	**21.565**	**3.0286**	**1.6648**
Offsite					
	Hauling	4.3354	1.0649	0.2735	0.0846
	Vendor	0.1942	0.0562	0.0124	0.00388
	Worker	0.0489	0.6042	0.1559	0.0425
	Total	**4.5781**	**1.6734**	**0.4418**	**0.131**
TOTAL		***36.0188***	***23.2384***	***3.4704***	***1.7958***
	P1 Building Construction, Coating , & P2 Demolition (2021)	***67.8968***	***56.2844***	***5.2008***	***3.4147***
	2.31-Acre LSTs	***136***	***1,034***	***7.72***	***5.31***
	Exceeds LSTs?	***No***	***No***	***No***	***No***

P1 Paving

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2021**				
	Off-Road	12.9191	14.6532	0.6777	0.6235
	Paving	0	0	0	0
	Total	**12.9191**	**14.6532**	**0.6777**	**0.6235**
TOTAL		***12.9191***	***14.6532***	***0.6777***	***0.6235***
	P1 Coating , Paving, & P2 Demo (2021)	***50.4647***	***39.7092***	***4.2422***	***2.5134***
	1.00-Acre LSTs	***89***	***623***	***5.00***	***3.00***
	Exceeds LSTs?	***No***	***No***	***No***	***No***

P2 Site Preparation

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2021**				
	Fugitive Dust	0	0	7.7233	4.2454
	Off-Road	40.4971	21.1543	2.0445	1.8809

	Total	**40.4971**	**21.1543**	**9.7678**	**6.1263**
TOTAL		***40.4971***	***21.1543***	***9.7678***	***6.1263***
P1 Coating & P2 Site Prep (2021)		***42.0239***	***22.9719***	***9.8619***	***6.2204***
	3.50-Acre LSTs	***165***	***1,343***	***10.49***	***6.50***
	Exceeds LSTs?	***No***	***No***	***No***	***No***

P2 Grading

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2021**				
	Fugitive Dust	0	0	3.7169	1.5389
	Off-Road	46.3998	30.8785	1.9853	1.8265
	Total	**46.3998**	**30.8785**	**5.7023**	**3.3654**
TOTAL		***46.3998***	***30.8785***	***5.7023***	***3.3654***
P1 Coating & P2 Grading (2021)		***47.9266***	***32.6961***	***5.7964***	***3.4595***
	4.00-Acre LSTs	***178***	***1,473***	***11.66***	***7.00***
	Exceeds LSTs?	***No***	***No***	***No***	***No***

P2 Building Construction

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2021**				
	Off-Road	17.4321	16.5752	0.9586	0.9013
	Total	**17.4321**	**16.5752**	**0.9586**	**0.9013**
TOTAL		***17.4321***	***16.5752***	***0.9586***	***0.9013***
P1 Coating & P2 Building Construction (2021)		***18.9589***	***18.3928***	***1.0527***	***0.9954***
	1.31-Acre LSTs	***101***	***726***	***5.62***	***3.62***
	Exceeds LSTs?	***No***	***No***	***No***	***No***

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2022**				
	Off-Road	15.6156	16.3634	0.809	0.7612
	Total	**15.6156**	**16.3634**	**0.809**	**0.7612**
TOTAL		***15.6156***	***16.3634***	***0.8090***	***0.7612***
	1.31-Acre LSTs	***101***	***726***	***5.62***	***3.62***
	Exceeds LSTs?	***No***	***No***	***No***	***No***

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2023**				
	Off-Road	14.3849	16.244	0.6997	0.6584
	Total	**14.3849**	**16.244**	**0.6997**	**0.6584**

TOTAL	***14.3849***	***16.2440***	***0.6997***	***0.6584***

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2024**				
Off-Road		13.4438	16.1668	0.6133	0.5769
Total		**13.4438**	**16.1668**	**0.6133**	**0.5769**
TOTAL		***13.4438***	***16.1668***	***0.6133***	***0.5769***

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2025**				
Off-Road		12.4697	16.0847	0.5276	0.4963
Total		**12.4697**	**16.0847**	**0.5276**	**0.4963**
TOTAL		***12.4697***	***16.0847***	***0.5276***	***0.4963***

P2 Architectural Coating

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2022**				
Archit. Coating		0	0	0	0
Off-Road		1.4085	1.8136	0.0817	0.0817
Total		**1.4085**	**1.8136**	**0.0817**	**0.0817**
TOTAL		***1.4085***	***1.8136***	***0.0817***	***0.0817***

P2 Building Construction & Coating (2022)	***17.0241***	***18.1770***	***0.8907***	***0.8429***

1.31-Acre LSTs	***101***	***726***	***5.62***	***3.62***
Exceeds LSTs?	***No***	***No***	***No***	***No***

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2023**				
Archit. Coating		0	0	0	0
Off-Road		1.303	1.8111	0.0708	0.0708
Total		**1.303**	**1.8111**	**0.0708**	**0.0708**
TOTAL		***1.3030***	***1.8111***	***0.0708***	***0.0708***

P2 Building Construction & Coating (2023)	***15.6879***	***18.0551***	***0.7705***	***0.7292***

1.31-Acre LSTs	***101***	***726***	***5.62***	***3.62***
Exceeds LSTs?	***No***	***No***	***No***	***No***

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2024**				
Archit. Coating		0	0	0	0
Off-Road		1.2188	1.8101	0.0609	0.0609
Total		**1.2188**	**1.8101**	**0.0609**	**0.0609**
TOTAL		***1.2188***	***1.8101***	***0.0609***	***0.0609***

P2 Building Construction & Coating (2024)		***14.6626***	***17.9769***	***0.6742***	***0.6378***
	1.31-Acre LSTs	***101***	***726***	***5.62***	***3.62***
	Exceeds LSTs?	***No***	***No***	***No***	***No***
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2025**				
	Archit. Coating	0	0	0	0
	Off-Road	1.1455	1.8091	0.0515	0.0515
	Total	**1.1455**	**1.8091**	**0.0515**	**0.0515**
TOTAL		***1.1455***	***1.8091***	***0.0515***	***0.0515***
P2 Building Construction & Coating (2025)		***13.6152***	***17.8938***	***0.5791***	***0.5478***
	1.31-Acre LSTs	***101***	***726***	***5.62***	***3.62***
	Exceeds LSTs?	***No***	***No***	***No***	***No***
P2 Paving					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2025**				
	Off-Road	8.5816	14.578	0.4185	0.385
	Paving	0	0	0	0
	Total	**8.5816**	**14.578**	**0.4185**	**0.385**
TOTAL		***8.5816***	***14.5780***	***0.4185***	***0.3850***
P2 Coating & Paving (2025)		***9.7271***	***16.3871***	***0.4700***	***0.4365***
	<1-Acre LSTs	***89***	***623***	***5.00***	***3.00***
	Exceeds LSTs?	***No***	***No***	***No***	***No***

Regional Construction Emissions Worksheet: Phase 3

P3 Demolition		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2026**						
Fugitive Dust		0	0	0	0	1.2098	0.1832
Off-Road		2.0926	19.1966	19.4184	0.0388	0.8528	0.792
Total		**2.0926**	**19.1966**	**19.4184**	**0.0388**	**2.0626**	**0.9752**
Offsite							
Hauling		0.0691	2.0882	0.792	0.00945	0.2171	0.0626
Vendor		0.00413	0.1371	0.0437	0.00048	0.0122	0.00364
Worker		0.0548	0.0307	0.4156	0.00143	0.1557	0.0423
Total		**0.128**	**2.2554**	**1.2176**	**0.0114**	**0.385**	**0.1085**
TOTAL		***2.2206***	***21.4520***	***20.6360***	***0.0502***	***2.4476***	***1.0837***

P3 Site Preparation		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2026**						
Fugitive Dust		0	0	0	0	7.7233	4.2454
Off-Road		2.4727	25.2339	17.9118	0.0381	1.0868	0.9999
Total		**2.4727**	**25.2339**	**17.9118**	**0.0381**	**8.8101**	**5.2452**
Offsite							
Hauling		0	0	0	0	0	0
Vendor		0.00413	0.1371	0.0437	0.00048	0.0122	0.00364
Worker		0.0657	0.0368	0.4987	0.00172	0.1869	0.0508
Total		**0.0699**	**0.1734**	**0.5389**	**0.0022**	**0.199**	**0.0545**
TOTAL		***2.5426***	***25.4073***	***18.4507***	***0.0403***	***9.0091***	***5.2997***

P3 Grading		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2026**						
Fugitive Dust		0	0	0	0	3.7088	1.5376
Off-Road		2.9012	27.9429	26.3311	0.0621	1.1309	1.0404
Total		**2.9012**	**27.9429**	**26.3311**	**0.0621**	**4.8397**	**2.5781**
Offsite							
Hauling		0.0124	0.3751	0.1423	0.0017	0.039	0.0112
Vendor		0.00413	0.1371	0.0437	0.00048	0.0122	0.00364
Worker		0.073	0.0409	0.5542	0.00191	0.2077	0.0565
Total		**0.0896**	**0.5525**	**0.7311**	**0.00409**	**0.2588**	**0.0713**
TOTAL		***2.9908***	***28.4954***	***27.0622***	***0.0662***	***5.0985***	***2.6494***

P3 Building Construction		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2026**						
Off-Road		1.3674	12.4697	16.0847	0.027	0.5276	0.4963
Total		**1.3674**	**12.4697**	**16.0847**	**0.027**	**0.5276**	**0.4963**
Offsite							
Hauling		0	0	0	0	0	0
Vendor		0.1426	4.7303	1.5086	0.0167	0.419	0.1255
Worker		0.555	0.3111	4.2115	0.0145	1.5781	0.429
Total		**0.6976**	**5.021**	**5.5967**	**0.0312**	**1.9971**	**0.5546**
TOTAL		***2.0650***	***17.4907***	***21.6814***	***0.0582***	***2.5247***	***1.0509***

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2027**						
	Off-Road		1.3674	12.4697	16.0847	0.027	0.5276	0.4963
	Total		**1.3674**	**12.4697**	**16.0847**	**0.027**	**0.5276**	**0.4963**
Offsite								
	Hauling		0	0	0	0	0	0
	Vendor		0.1398	4.6877	1.4836	0.0166	0.4189	0.1254
	Worker		0.5306	0.287	3.9497	0.014	1.5775	0.4284
	Total		**0.6704**	**4.9543**	**5.3119**	**0.0307**	**1.9963**	**0.5539**
TOTAL			***2.0378***	***17.4240***	***21.3966***	***0.0577***	***2.5239***	***1.0502***

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2028**						
	Off-Road		1.3674	12.4697	16.0847	0.027	0.5276	0.4963
	Total		**1.3674**	**12.4697**	**16.0847**	**0.027**	**0.5276**	**0.4963**
Offsite								
	Hauling		0	0	0	0	0	0
	Vendor		0.1374	4.652	1.4635	0.0166	0.4188	0.1253
	Worker		0.505	0.2652	3.7206	0.0136	1.5766	0.4277
	Total		**0.6423**	**4.897**	**5.0643**	**0.0302**	**1.9954**	**0.553**
TOTAL			***2.0097***	***17.3667***	***21.1490***	***0.0572***	***2.5230***	***1.0493***

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2029**						
	Off-Road		1.3674	12.4697	16.0847	0.027	0.5276	0.4963
	Total		**1.3674**	**12.4697**	**16.0847**	**0.027**	**0.5276**	**0.4963**
Offsite								
	Hauling		0	0	0	0	0	0
	Vendor		0.1351	4.6162	1.4446	0.0165	0.4187	0.1252
	Worker		0.4753	0.2437	3.4904	0.0133	1.5759	0.427
	Total		**0.6104**	**4.8397**	**4.8169**	**0.0297**	**1.9946**	**0.5522**
TOTAL			***1.9778***	***17.3094***	***20.9016***	***0.0567***	***2.5222***	***1.0485***

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2030**						
	Off-Road		1.3091	7.9346	16.157	0.031	0.1481	0.1481
	Total		**1.3091**	**7.9346**	**16.157**	**0.031**	**0.1481**	**0.1481**
Offsite								
	Hauling		0	0	0	0	0	0
	Vendor		0.1332	4.5816	1.4305	0.0164	0.4186	0.1251
	Worker		0.4448	0.2232	3.2772	0.0129	1.5752	0.4264
	Total		**0.578**	**4.7845**	**4.5907**	**0.0294**	**1.9938**	**0.5515**
TOTAL			***1.8871***	***12.7191***	***20.7477***	***0.0604***	***2.1419***	***0.6996***

P3 Architectural Coating

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2027**						
	Archit. Coating		3.8629	0	0	0	0	0
	Off-Road		0.1709	1.1455	1.8091	0.00297	0.0515	0.0515
	Total		**4.0337**	**1.1455**	**1.8091**	**0.00297**	**0.0515**	**0.0515**
Offsite								
	Hauling		0	0	0	0	0	0
	Vendor		0	0	0	0	0	0
	Worker		0.1047	0.0566	0.7796	0.00277	0.3113	0.0846
	Total		**0.1047**	**0.0566**	**0.7796**	**0.00277**	**0.3113**	**0.0846**
TOTAL			***4.1384***	***1.2021***	***2.5887***	***0.0057***	***0.3628***	***0.1361***
	P3 Building Construction and Coating (2027)		***6.1762***	***18.6261***	***23.9853***	***0.0634***	***2.8867***	***1.1863***

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2028**						
	Archit. Coating		3.8629	0	0	0	0	0
	Off-Road		0.1709	1.1455	1.8091	0.00297	0.0515	0.0515
	Total		**4.0337**	**1.1455**	**1.8091**	**0.00297**	**0.0515**	**0.0515**
Offsite								
	Hauling		0	0	0	0	0	0
	Vendor		0	0	0	0	0	0
	Worker		0.0997	0.0523	0.7343	0.00269	0.3112	0.0844
	Total		**0.0997**	**0.0523**	**0.7343**	**0.00269**	**0.3112**	**0.0844**
TOTAL			***4.1334***	***1.1978***	***2.5434***	***0.0057***	***0.3627***	***0.1359***
	P3 Building Construction and Coating (2028)		***6.1431***	***18.5645***	***23.6924***	***0.0629***	***2.8857***	***1.1852***

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2029**						
	Archit. Coating		3.8629	0	0	0	0	0
	Off-Road		0.1709	1.1455	1.8091	0.00297	0.0515	0.0515
	Total		**4.0337**	**1.1455**	**1.8091**	**0.00297**	**0.0515**	**0.0515**
Offsite								
	Hauling		0	0	0	0	0	0
	Vendor		0	0	0	0	0	0
	Worker		0.0938	0.0481	0.6889	0.00262	0.311	0.0843
	Total		**0.0938**	**0.0481**	**0.6889**	**0.00262**	**0.311**	**0.0843**
TOTAL			***4.1275***	***1.1936***	***2.4980***	***0.0056***	***0.3625***	***0.1358***
	P3 Building Construction and Coating (2029)		***6.1053***	***18.5030***	***23.3996***	***0.0623***	***2.8847***	***1.1843***

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2030**						
Archit. Coating		3.8629	0	0	0	0	0
Off-Road		0.1308	0.8563	1.7977	0.00297	0.0203	0.0203
Total		**3.9936**	**0.8563**	**1.7977**	**0.00297**	**0.0203**	**0.0203**
Offsite							
Hauling		0	0	0	0	0	0
Vendor		0	0	0	0	0	0
Worker		0.0878	0.0441	0.6468	0.00255	0.3109	0.0842
Total		**0.0878**	**0.0441**	**0.6468**	**0.00255**	**0.3109**	**0.0842**
TOTAL		***4.0814***	***0.9004***	***2.4445***	***0.0055***	***0.3312***	***0.1045***
P3 Building Construction and Coating (2030)		***5.9685***	***13.6195***	***23.1922***	***0.0659***	***2.4731***	***0.8041***

P3 Paving

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2030**						
Off-Road		1.3845	7.1202	15.8495	0.0281	0.3306	0.3306
Paving		0.0568	0	0	0	0	0
Total		**1.4413**	**7.1202**	**15.8495**	**0.0281**	**0.3306**	**0.3306**
Offsite							
Hauling		0	0	0	0	0	0
Vendor		0	0	0	0	0	0
Worker		0.0439	0.022	0.3234	0.00128	0.1555	0.0421
Total		**0.0439**	**0.022**	**0.3234**	**0.00128**	**0.1555**	**0.0421**
TOTAL		***1.4852***	***7.1422***	***16.1729***	***0.0294***	***0.4861***	***0.3727***
P3 Coating and Paving (2030)		***5.5666***	***8.0426***	***18.6174***	***0.0349***	***0.8173***	***0.4772***
MAX DAILY		**6.18**	**28.50**	**27.06**	**0.07**	**9.01**	**5.30**
Regional Thresholds		**75**	**100**	**550**	**150**	**150**	**55**
Exceeds Thresholds?		No	No	No	No	No	No

Localized Construction Emissions Worksheet: Phase 3

P3 Demolition		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2026**				
	Fugitive Dust	0	0	1.2098	0.1832
	Off-Road	19.1966	19.4184	0.8528	0.792
	Total	**19.1966**	**19.4184**	**2.0626**	**0.9752**
TOTAL		***19.1966***	***19.4184***	***2.0626***	***0.9752***
	1.00-Acre LSTs	***89***	***623***	***5.00***	***3.00***
	Exceeds LSTs?	***No***	***No***	***No***	***No***

P3 Site Preparation		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2026**				
	Fugitive Dust	0	0	7.7233	4.2454
	Off-Road	25.2339	17.9118	1.0868	0.9999
	Total	**25.2339**	**17.9118**	**8.8101**	**5.2452**
TOTAL		***25.2339***	***17.9118***	***8.8101***	***5.2452***
	3.50-Acre LSTs	***165***	***1,343***	***10***	***6***
	Exceeds LSTs?	***No***	***No***	***No***	***No***

Rough Grading		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2026**				
	Fugitive Dust	0	0	3.7088	1.5376
	Off-Road	27.9429	26.3311	1.1309	1.0404
	Total	**27.9429**	**26.3311**	**4.8397**	**2.5781**
TOTAL		***27.9429***	***26.3311***	***4.8397***	***2.5781***
	4.00-Acre LSTs	***178***	***1,473***	***12***	***7***
	Exceeds LSTs?	***No***	***No***	***No***	***No***

Building Construction		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2026**				
	Off-Road	12.4697	16.0847	0.5276	0.4963
	Total	**12.4697**	**16.0847**	**0.5276**	**0.4963**
TOTAL		***12.4697***	***16.0847***	***0.5276***	***0.4963***
	1.31-Acre LSTs	***101***	***726***	***6***	***4***
	Exceeds LSTs?	***No***	***No***	***No***	***No***

			NOx	CO	PM10 Total	PM2.5 Total
Onsite		**2027**				
	Off-Road		12.4697	16.0847	0.5276	0.4963
	Total		**12.4697**	**16.0847**	**0.5276**	**0.4963**
TOTAL			***12.4697***	***16.0847***	***0.5276***	***0.4963***
	1.31-Acre LSTs		***101***	***726***	***6***	***4***
	Exceeds LSTs?		***No***	***No***	***No***	***No***

			NOx	CO	PM10 Total	PM2.5 Total
Onsite		**2028**				
	Off-Road		12.4697	16.0847	0.5276	0.4963
	Total		**12.4697**	**16.0847**	**0.5276**	**0.4963**
TOTAL			***12.4697***	***16.0847***	***0.5276***	***0.4963***
Onsite		**2029**				
	Off-Road		12.4697	16.0847	0.5276	0.4963
	Total		**12.4697**	**16.0847**	**0.5276**	**0.4963**
TOTAL			***12.4697***	***16.0847***	***0.5276***	***0.4963***
Onsite		**2030**				
	Off-Road		7.9346	16.157	0.1481	0.1481
	Total		**7.9346**	**16.157**	**0.1481**	**0.1481**
TOTAL			***7.9346***	***16.1570***	***0.1481***	***0.1481***

Architectural Coating

			NOx	CO	PM10 Total	PM2.5 Total
Onsite		**2027**				
	Archit. Coating		0	0	0	0
	Off-Road		1.1455	1.8091	0.0515	0.0515
	Total		**1.1455**	**1.8091**	**0.0515**	**0.0515**
TOTAL			***1.1455***	***1.8091***	***0.0515***	***0.0515***
P3 Building Construction and Coating (2027)			***13.6152***	***17.8938***	***0.5791***	***0.5478***
	1.31-Acre LSTs		***101***	***726***	***6***	***4***
	Exceeds LSTs?		***No***	***No***	***No***	***No***
Onsite		**2028**				
	Archit. Coating		0	0	0	0
	Off-Road		1.1455	1.8091	0.0515	0.0515
	Total		**1.1455**	**1.8091**	**0.0515**	**0.0515**
TOTAL			***1.1455***	***1.8091***	***0.0515***	***0.0515***

P3 Building Construction and Coating (2028)		***13.6152***	***17.8938***	***0.5791***	***0.5478***
	1.31-Acre LSTs	***101***	***726***	***6***	***4***
	Exceeds LSTs?	***No***	***No***	***No***	***No***
Onsite	**2029**				
	Archit. Coating	0	0	0	0
	Off-Road	1.1455	1.8091	0.0515	0.0515
	Total	**1.1455**	**1.8091**	**0.0515**	**0.0515**
TOTAL		***1.1455***	***1.8091***	***0.0515***	***0.0515***
P3 Building Construction and Coating (2029)		***13.6152***	***17.8938***	***0.5791***	***0.5478***
	1.31-Acre LSTs	***101***	***726***	***6***	***4***
	Exceeds LSTs?	***No***	***No***	***No***	***No***
Onsite	**2030**				
	Archit. Coating	0	0	0	0
	Off-Road	0.8563	1.7977	0.0203	0.0203
	Total	**0.8563**	**1.7977**	**0.0203**	**0.0203**
TOTAL		***0.8563***	***1.7977***	***0.0203***	***0.0203***
P3 Building Construction and Coating (2030)		***8.7909***	***17.9547***	***0.1684***	***0.1684***
	1.31-Acre LSTs	***101***	***726***	***6***	***4***
	Exceeds LSTs?	***No***	***No***	***No***	***No***

Paving

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2030**				
	Off-Road	7.1202	15.8495	0.3306	0.3306
	Paving	0	0	0	0
	Total	**7.1202**	**15.8495**	**0.3306**	**0.3306**
TOTAL		***7.1202***	***15.8495***	***0.3306***	***0.3306***
P3 Coating and Paving (2030)		***7.9765***	***17.6472***	***0.3509***	***0.3509***
	<1.00-Acre LSTs	***89***	***623***	***5***	***3***
	Exceeds LSTs?	***No***	***No***	***No***	***No***

Regional Construction Emissions Worksheet: Phase 4

P4 Demolition		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2031**						
Fugitive Dust		0	0	0	0	0.933	0.1413
Off-Road		2.0746	9.777	18.9168	0.0462	0.3511	0.3511
Total		**2.0746**	**9.777**	**18.9168**	**0.0462**	**1.284**	**0.4923**
Offsite							
Hauling		0.0518	1.5138	0.6205	0.00713	0.1671	0.048
Vendor		0.00383	0.1321	0.0413	0.00047	0.0121	0.00362
Worker		0.0406	0.02	0.303	0.00125	0.1554	0.042
Total		**0.0962**	**1.6653**	**0.939**	**0.00885**	**0.3346**	**0.0936**
TOTAL		***2.1708***	***11.4423***	***19.8558***	***0.0551***	***1.6186***	***0.5859***

P4 Site Preparation		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2031**						
Fugitive Dust		0	0	0	0	7.7233	4.2454
Off-Road		2.4399	13.668	16.2918	0.0466	0.4367	0.4367
Total		**2.4399**	**13.668**	**16.2918**	**0.0466**	**8.16**	**4.682**
Offsite							
Hauling		0	0	0	0	0	0
Vendor		0.00383	0.1321	0.0413	0.00047	0.0121	0.00362
Worker		0.0487	0.024	0.3636	0.0015	0.1865	0.0504
Total		**0.0525**	**0.1555**	**0.4015**	**0.00197**	**0.1986**	**0.0541**
TOTAL		***2.4924***	***13.8235***	***16.6933***	***0.0486***	***8.3586***	***4.7361***

P4 Grading		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2031**						
Fugitive Dust		0	0	0	0	3.7086	1.5376
Off-Road		3.2807	13.8462	23.0239	0.0699	0.4879	0.4879
Total		**3.2807**	**13.8462**	**23.0239**	**0.0699**	**4.1965**	**2.0255**
Offsite							
Hauling		0.00967	0.2827	0.1159	0.00133	0.0312	0.00896
Vendor		0.00383	0.1321	0.0413	0.00047	0.0121	0.00362
Worker		0.0541	0.0267	0.4041	0.00167	0.2072	0.056
Total		**0.0676**	**0.4409**	**0.5537**	**0.00347**	**0.2505**	**0.0686**
TOTAL		***3.3483***	***14.2871***	***23.5776***	***0.0734***	***4.4470***	***2.0941***

P4 Building Construction		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2031**						
Off-Road		1.3091	7.9346	16.157	0.031	0.1481	0.1481
Total		**1.3091**	**7.9346**	**16.157**	**0.031**	**0.1481**	**0.1481**
Offsite							
Hauling		0	0	0	0	0	0
Vendor		0.0995	3.4338	1.0729	0.0124	0.3154	0.0942
Worker		0.2923	0.144	2.1819	0.009	1.1188	0.3026
Total		**0.3918**	**3.5643**	**3.1672**	**0.0214**	**1.4342**	**0.3968**
TOTAL		***1.7009***	***11.4989***	***19.3242***	***0.0524***	***1.5823***	***0.5449***

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2032**						
	Off-Road		1.3091	7.9346	16.157	0.031	0.1481	0.1481
	Total		**1.3091**	**7.9346**	**16.157**	**0.031**	**0.1481**	**0.1481**
Offsite								
	Hauling		0	0	0	0	0	0
	Vendor		0.0986	3.4113	1.0679	0.0123	0.3153	0.0942
	Worker		0.2709	0.1312	2.0483	0.00882	1.1184	0.3022
	Total		**0.3696**	**3.5303**	**3.029**	**0.0211**	**1.4338**	**0.3964**
TOTAL			***1.6787***	***11.4649***	***19.1860***	***0.0521***	***1.5819***	***0.5445***
Onsite		**2033**						
	Off-Road		1.3091	7.9346	16.157	0.031	0.1481	0.1481
	Total		**1.3091**	**7.9346**	**16.157**	**0.031**	**0.1481**	**0.1481**
Offsite								
	Hauling		0	0	0	0	0	0
	Vendor		0.098	3.3915	1.0644	0.0123	0.3153	0.0941
	Worker		0.2528	0.1204	1.9344	0.00865	1.1181	0.3019
	Total		**0.3508**	**3.5008**	**2.9117**	**0.021**	**1.4333**	**0.396**
TOTAL			***1.6599***	***11.4354***	***19.0687***	***0.0520***	***1.5814***	***0.5441***

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2034**						
	Off-Road		1.3091	7.9346	16.157	0.031	0.1481	0.1481
	Total		**1.3091**	**7.9346**	**16.157**	**0.031**	**0.1481**	**0.1481**
Offsite								
	Hauling		0	0	0	0	0	0
	Vendor		0.0974	3.3739	1.0606	0.0123	0.3153	0.0941
	Worker		0.2375	0.1114	1.8228	0.00851	1.1177	0.3015
	Total		**0.335**	**3.475**	**2.7965**	**0.0208**	**1.433**	**0.3956**
TOTAL			***1.6441***	***11.4096***	***18.9535***	***0.0518***	***1.5811***	***0.5437***

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		**2035**						
	Off-Road		1.2168	7.1613	16.1178	0.031	0.0904	0.0904
	Total		**1.2168**	**7.1613**	**16.1178**	**0.031**	**0.0904**	**0.0904**
Offsite								
	Hauling		0	0	0	0	0	0
	Vendor		0.0969	3.3603	1.0568	0.0123	0.3152	0.0941
	Worker		0.2249	0.1048	1.7311	0.00839	1.1174	0.3012
	Total		**0.3219**	**3.4555**	**2.7012**	**0.0207**	**1.4326**	**0.3953**
TOTAL			***1.5387***	***10.6168***	***18.8190***	***0.0517***	***1.5230***	***0.4857***

P4 Architectural Coating							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2032**						
Archit. Coating		2.6545	0	0	0	0	0
Off-Road		0.1308	0.8563	1.7977	0.00297	0.0203	0.0203
Total		**2.7852**	**0.8563**	**1.7977**	**0.00297**	**0.0203**	**0.0203**
Offsite							
Hauling		0	0	0	0	0	0
Vendor		0	0	0	0	0	0
Worker		0.0552	0.0267	0.4172	0.0018	0.2278	0.0616
Total		**0.0552**	**0.0267**	**0.4172**	**0.0018**	**0.2278**	**0.0616**
TOTAL		***2.8404***	***0.8830***	***2.2149***	***0.0048***	***0.2481***	***0.0819***
P4 Building Construction and Coating (2032)		***4.5191***	***12.3479***	***21.4009***	***0.0569***	***1.8300***	***0.6264***

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2033**						
Archit. Coating		2.6545	0	0	0	0	0
Off-Road		0.1308	0.8563	1.7977	0.00297	0.0203	0.0203
Total		**2.7852**	**0.8563**	**1.7977**	**0.00297**	**0.0203**	**0.0203**
Offsite							
Hauling		0	0	0	0	0	0
Vendor		0	0	0	0	0	0
Worker		0.0515	0.0245	0.394	0.00176	0.2278	0.0615
Total		**0.0515**	**0.0245**	**0.394**	**0.00176**	**0.2278**	**0.0615**
TOTAL		***2.8367***	***0.8808***	***2.1917***	***0.0047***	***0.2481***	***0.0818***
P4 Building Construction and Coating (2033)		***4.4966***	***12.3162***	***21.2604***	***0.0567***	***1.8295***	***0.6259***

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2034**						
Archit. Coating		2.6545	0	0	0	0	0
Off-Road		0.1308	0.8563	1.7977	0.00297	0.0203	0.0203
Total		**2.7852**	**0.8563**	**1.7977**	**0.00297**	**0.0203**	**0.0203**
Offsite							
Hauling		0	0	0	0	0	0
Vendor		0	0	0	0	0	0
Worker		0.0484	0.0227	0.3713	0.00173	0.2277	0.0614
Total		**0.0484**	**0.0227**	**0.3713**	**0.00173**	**0.2277**	**0.0614**
TOTAL		***2.8336***	***0.8790***	***2.1690***	***0.0047***	***0.2480***	***0.0817***
P4 Building Construction and Coating (2034)		***4.4777***	***12.2886***	***21.1225***	***0.0565***	***1.8291***	***0.6254***

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2035**						
Archit. Coating		2.6545	0	0	0	0	0
Off-Road		0.1179	0.7577	1.7943	0.00297	0.0099	0.0099
Total		**2.7724**	**0.7577**	**1.7943**	**0.00297**	**0.0099**	**0.0099**
Offsite							
Hauling		0	0	0	0	0	0
Vendor		0	0	0	0	0	0
Worker		0.0458	0.0214	0.3526	0.00171	0.2276	0.0614
Total		**0.0458**	**0.0214**	**0.3526**	**0.00171**	**0.2276**	**0.0614**
TOTAL		***2.8182***	***0.7791***	***2.1469***	***0.0047***	***0.2375***	***0.0713***
P4 Building Construction and Coating (2035)		***4.3569***	***11.3959***	***20.9659***	***0.0564***	***1.7605***	***0.5570***

P4 Paving							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	**2035**						
	Off-Road	1.1405	4.8761	15.8203	0.0281	0.1874	0.1874
	Paving	0.0687	0	0	0	0	0
	Total	**1.2092**	**4.8761**	**15.8203**	**0.0281**	**0.1874**	**0.1874**
Offsite							
	Hauling	0	0	0	0	0	0
	Vendor	0	0	0	0	0	0
	Worker	0.0312	0.0146	0.2404	0.00117	0.1552	0.0418
	Total	**0.0312**	**0.0146**	**0.2404**	**0.00117**	**0.1552**	**0.0418**
TOTAL		***1.2404***	***4.8907***	***16.0607***	***0.0293***	***0.3426***	***0.2292***
	P4 Coating and Paving (2030)	***4.0586***	***5.6698***	***18.2076***	***0.0340***	***0.5801***	***0.3005***
MAX DAILY		**4.52**	**14.29**	**23.58**	**0.07**	**8.36**	**4.74**
Regional Thresholds		**75**	**100**	**550**	**150**	**150**	**55**
Exceeds Thresholds?		No	No	No	No	No	No

Localized Construction Emissions Worksheet: Phase 4

P4 Demolition		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2031**				
	Fugitive Dust	0	0	0.933	0.1413
	Off-Road	9.777	18.9168	0.3511	0.3511
	Total	**9.777**	**18.9168**	**1.284**	**0.4923**
TOTAL		***9.7770***	***18.9168***	***1.2840***	***0.4923***
	1.00-Acre LSTs	***89***	***623***	***5.00***	***3.00***
	Exceeds LSTs?	***No***	***No***	***No***	***No***

P4 Site Preparation		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2031**				
	Fugitive Dust	0	0	7.7233	4.2454
	Off-Road	13.668	16.2918	0.4367	0.4367
	Total	**13.668**	**16.2918**	**8.16**	**4.682**
TOTAL		***13.6680***	***16.2918***	***8.1600***	***4.6820***
	3.50-Acre LSTs	***165***	***1,343***	***10***	***6***
	Exceeds LSTs?	***No***	***No***	***No***	***No***

P4 Rough Grading		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2031**				
	Fugitive Dust	0	0	3.7086	1.5376
	Off-Road	13.8462	23.0239	0.4879	0.4879
	Total	**13.8462**	**23.0239**	**4.1965**	**2.0255**
TOTAL		***13.8462***	***23.0239***	***4.1965***	***2.0255***
	4.00-Acre LSTs	***178***	***1,473***	***12***	***7***
	Exceeds LSTs?	***No***	***No***	***No***	***No***

P4 Building Construction		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2031**				
	Off-Road	7.9346	16.157	0.1481	0.1481
	Total	**7.9346**	**16.157**	**0.1481**	**0.1481**
TOTAL		***7.9346***	***16.1570***	***0.1481***	***0.1481***
	1.31-Acre LSTs	***101***	***726***	***6***	***4***
	Exceeds LSTs?	***No***	***No***	***No***	***No***

			NOx	CO	PM10 Total	PM2.5 Total
Onsite		**2032**				
	Off-Road		7.9346	16.157	0.1481	0.1481
	Total		**7.9346**	**16.157**	**0.1481**	**0.1481**
TOTAL			***7.9346***	***16.1570***	***0.1481***	***0.1481***
	1.31-Acre LSTs		***101***	***726***	***6***	***4***
	Exceeds LSTs?		***No***	***No***	***No***	***No***

			NOx	CO	PM10 Total	PM2.5 Total
Onsite		**2033**				
	Off-Road		7.9346	16.157	0.1481	0.1481
	Total		**7.9346**	**16.157**	**0.1481**	**0.1481**
TOTAL			***7.9346***	***16.1570***	***0.1481***	***0.1481***
Onsite		**2034**				
	Off-Road		7.9346	16.157	0.1481	0.1481
	Total		**7.9346**	**16.157**	**0.1481**	**0.1481**
TOTAL			***7.9346***	***16.1570***	***0.1481***	***0.1481***
Onsite		**2035**				
	Off-Road		7.1613	16.1178	0.0904	0.0904
	Total		**7.1613**	**16.1178**	**0.0904**	**0.0904**
TOTAL			***7.1613***	***16.1178***	***0.0904***	***0.0904***

Architectural Coating

			NOx	CO	PM10 Total	PM2.5 Total
Onsite		**2032**				
	Archit. Coating		0	0	0	0
	Off-Road		0.8563	1.7977	0.0203	0.0203
	Total		**0.8563**	**1.7977**	**0.0203**	**0.0203**
TOTAL			***0.8563***	***1.7977***	***0.0203***	***0.0203***
P4 Building Construction and Coating (2032)			***8.7909***	***17.9547***	***0.1684***	***0.1684***
	1.31-Acre LSTs		***101***	***726***	***6***	***4***
	Exceeds LSTs?		***No***	***No***	***No***	***No***

			NOx	CO	PM10 Total	PM2.5 Total
Onsite		**2033**				
	Archit. Coating		0	0	0	0
	Off-Road		0.8563	1.7977	0.0203	0.0203
	Total		**0.8563**	**1.7977**	**0.0203**	**0.0203**
TOTAL			***0.8563***	***1.7977***	***0.0203***	***0.0203***

P4 Building Construction and Coating (2033)		***8.7909***	***17.9547***	***0.1684***	***0.1684***
	1.31-Acre LSTs	***101***	***726***	***6***	***4***
	Exceeds LSTs?	***No***	***No***	***No***	***No***
Onsite	**2034**				
	Archit. Coating	0	0	0	0
	Off-Road	0.8563	1.7977	0.0203	0.0203
	Total	**0.8563**	**1.7977**	**0.0203**	**0.0203**
TOTAL		***0.8563***	***1.7977***	***0.0203***	***0.0203***
P4 Building Construction and Coating (2034)		***8.7909***	***17.9547***	***0.1684***	***0.1684***
	1.31-Acre LSTs	***101***	***726***	***6***	***4***
	Exceeds LSTs?	***No***	***No***	***No***	***No***
Onsite	**2035**				
	Archit. Coating	0	0	0	0
	Off-Road	0.7577	1.7943	0.0099	0.0099
	Total	**0.7577**	**1.7943**	**0.0099**	**0.0099**
TOTAL		***0.7577***	***1.7943***	***0.0099***	***0.0099***
P4 Building Construction and Coating (2035)		***7.9190***	***17.9121***	***0.1003***	***0.1003***
	1.31-Acre LSTs	***101***	***726***	***6***	***4***
	Exceeds LSTs?	***No***	***No***	***No***	***No***
Paving					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	**2035**				
	Off-Road	4.8761	15.8203	0.1874	0.1874
	Paving	0	0	0	0
	Total	**4.8761**	**15.8203**	**0.1874**	**0.1874**
TOTAL		***4.8761***	***15.8203***	***0.1874***	***0.1874***
P4 Coating and Paving (2035)		***5.6338***	***17.6146***	***0.1973***	***0.1973***
	<1.00-Acre LSTs	***89***	***623***	***5***	***3***
	Exceeds LSTs?	***No***	***No***	***No***	***No***

Regional Operation Emissions Worksheet: Existing (2016)

Criteria Air Pollutants

Summer

Source	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	36.563	0.131	2.1847	5.47E-03	0.2513	0.2513
Energy	1.964	17.8529	14.9869	0.1071	1.3569	1.3569
Mobile	44.7615	211.7886	698.3002	1.7734	133.3746	37.0356
Total	**83.2885**	**229.7725**	**715.4718**	**1.886**	**134.9828**	**38.6438**

Winter

Source	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	36.563	0.131	2.1847	5.47E-03	0.2513	0.2513
Energy	1.964	17.8529	14.9869	0.1071	1.3569	1.3569
Mobile	44.0452	219.2434	657.1154	1.683	133.3928	37.053
Total	**82.5722**	**237.2273**	**674.2871**	**1.7956**	**135.001**	**38.6612**

Max Daily

Source	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	37	0	2	0	0	0
Energy	2	18	15	0	1	1
Mobile	45	219	698	2	133	37
Total	**83**	**237**	**715**	**2**	**135**	**39**

Stationary Equipment*

Source	ROG	NOx	CO	SO2	PM10 Total**	PM2.5 Total**
Central Utilities Plant	2.877	46.225	34.395	0.236	3.479	3.445

*Emissions are from SCAQMD reporting system, City of Hope Medical Center (Facility ID 23194). Website: http://www3.aqmd.gov/webappl/aersearch/facdetail.aspx?fac_id=23194&year=2016

**PM emissions are shown as PM10. PM2.5 fraction of PM10 is assumed at 99 percent (South Coast Air Quality Management District. 2006, October. Final – Methodology to Calculate Particulate Matter (PM) 2.5 and PM 2.5 Significance Thresholds.

GHG Emissions

Source	Buildout MTons/Year	Percent of Project Total
Area	2	0%
Energy	13,276	28%
Mobile	28,524	59%
Waste	5,499	11%
Water	778	2%
Total All Sectors	48,080	100%

Regional Operation Emissions Worksheet: Phase 1

Existing - 2021

Maximum Emissions

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	36.561	0.131	2.175	0.005	0.251	0.251
Energy	1.964	17.853	14.987	0.107	1.357	1.357
Mobile	27.150	144.914	427.855	1.540	131.683	35.847
Total	**65.675**	**162.897**	**445.017**	**1.652**	**133.291**	**37.455**
Regional Thresholds	**55**	**55**	**550**	**150**	**150**	**55**
Exceeds Thresholds?	Yes	Yes	No	No	No	No

Phase 1 Buildout - Year 2021

Remaining Existing Buildings

Max Daily

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	34.087	0.107	0.694	0.001	0.011	0.011
Energy	1.871	17.006	14.275	0.102	1.293	1.293
Mobile	17.936	95.737	282.661	1.017	86.996	23.682
Total	**53.894**	**112.849**	**297.630**	**1.120**	**88.300**	**24.986**

New Buildings

Max Daily

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	12.050	0.001	0.126	0.000	0.000	0.000
Energy	0.626	5.689	4.779	0.034	0.432	0.432
Mobile	7.174	38.292	113.058	0.407	34.796	9.472
Total	**19.850**	**43.983**	**117.962**	**0.441**	**35.229**	**9.905**

Combined

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	46.137	0.108	0.820	0.001	0.012	0.012
Energy	2.497	22.695	19.054	0.136	1.725	1.725
Mobile	25.111	134.029	395.718	1.424	121.792	33.154
Total	**73.744**	**156.832**	**415.592**	**1.561**	**123.529**	**34.891**

Net Difference

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	9.576	-0.023	-1.356	-0.005	-0.240	-0.240
Energy	0.533	4.842	4.067	0.029	0.368	0.368
Mobile	-2.039	-10.885	-32.137	-0.116	-9.891	-2.693
Total	**8.069**	**-6.066**	**-29.425**	**-0.091**	**-9.762**	**-2.564**
SCAQMD Significance Thresholds	55	55	550	150	150	55
Exceeds Thresholds?	**No**	**No**	**No**	**No**	**No**	**No**

Regional Operation Emissions Worksheet: Phase 2

Existing - 2025

Maximum Emissions

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	36.561	0.131	2.173	0.005	0.251	0.251
Energy	1.964	17.853	14.987	0.107	1.357	1.357
Mobile	21.220	93.436	334.355	1.350	131.407	35.590
Total	**59.745**	**111.420**	**351.515**	**1.463**	**133.015**	**37.198**
Regional Thresholds	**55**	**55**	**550**	**150**	**150**	**55**
Exceeds Thresholds?	Yes	Yes	No	No	No	No

Phase 2 Buildout - Year 2025

Remaining Existing Buildings

Max Daily

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	31.548	0.107	0.680	0.001	0.011	0.011
Energy	1.833	16.661	13.986	0.100	1.266	1.266
Mobile	13.182	58.045	207.712	0.839	81.634	22.110
Total	**46.563**	**74.812**	**222.377**	**0.939**	**82.912**	**23.387**

New Buildings

Max Daily

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	18.848	0.002	0.206	0.000	0.001	0.001
Energy	1.054	9.582	8.049	0.058	0.728	0.728
Mobile	9.227	40.629	145.390	0.587	57.141	15.476
Total	**29.129**	**50.214**	**153.645**	**0.645**	**57.870**	**16.205**

Combined

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	50.395	0.108	0.886	0.001	0.012	0.012
Energy	2.887	26.243	22.035	0.158	1.995	1.995
Mobile	22.410	98.675	353.102	1.426	138.775	37.586
Total	**75.692**	**125.026**	**376.022**	**1.584**	**140.781**	**39.592**

Net Difference

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	13.835	-0.022	-1.287	-0.005	-0.239	-0.239
Energy	0.923	8.390	7.048	0.050	0.638	0.638
Mobile	1.190	5.239	18.746	0.076	7.367	1.996
Total	**15.947**	**13.606**	**24.507**	**0.121**	**7.766**	**2.394**
SCAQMD Significance Thresholds	55	55	550	150	150	55
Exceeds Thresholds?	**No**	**No**	**No**	**No**	**No**	**No**

Stationary Equipment - Boiler

Max Daily

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	0.00001	0.00000	0.00010	0.00000	0.00000	0.00000
Energy	0.000	0.000	0.000	0.000	0.000	0.000
Mobile	0.000	0.000	0.000	0.000	0.000	0.000
Stationary	0.711	1.450	12.662	0.078	0.982	0.982
Total	**0.711**	**1.450**	**12.663**	**0.078**	**0.982**	**0.982**

Regional Operation Emissions Worksheet: Phase 3

Existing - 2030

Maximum Emissions

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	36.561	0.131	2.171	0.005	0.251	0.251
Energy	1.964	17.853	14.987	0.107	1.357	1.357
Mobile	17.587	81.996	269.131	1.195	131.161	35.368
Total	**56.111**	**99.980**	**286.290**	**1.307**	**132.770**	**36.976**
Regional Thresholds	**55**	**55**	**550**	**150**	**150**	**55**
Exceeds Thresholds?	Yes	Yes	No	No	No	No

Phase 3 Buildout - Year 2030

Remaining Existing Buildings

Max Daily

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	28.090	0.106	0.663	0.001	0.011	0.011
Energy	1.657	15.059	12.640	0.090	1.145	1.145
Mobile	10.383	48.411	158.898	0.705	77.439	20.881
Total	**40.130**	**63.576**	**172.201**	**0.796**	**78.595**	**22.037**

New Buildings

Max Daily

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	27.029	0.002	0.240	0.000	0.001	0.001
Energy	1.478	13.433	11.284	0.081	1.021	1.021
Mobile	11.051	51.523	169.110	0.751	82.416	22.223
Total	**39.558**	**64.958**	**180.634**	**0.831**	**83.438**	**23.245**

Combined

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	55.120	0.109	0.904	0.001	0.012	0.012
Energy	3.134	28.492	23.924	0.171	2.166	2.166
Mobile	21.434	99.934	328.007	1.456	159.855	43.105
Total	**79.688**	**128.534**	**352.835**	**1.628**	**162.032**	**45.282**

Net Difference

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	18.559	-0.022	-1.268	-0.005	-0.239	-0.239
Energy	1.170	10.639	8.937	0.064	0.809	0.809
Mobile	3.847	17.938	58.876	0.261	28.693	7.737
Total	**23.577**	**28.555**	**66.545**	**0.320**	**29.263**	**8.307**
SCAQMD Significance Thresholds	55	55	550	150	150	55
Exceeds Thresholds?	**No**	**No**	**No**	**No**	**No**	**No**

Regional Operation Emissions Worksheet: Phase 4/Full Buildout

Existing - 2035

Maximum Emissions

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	36.561	0.131	2.171	0.005	0.251	0.251
Energy	1.964	17.853	14.987	0.107	1.357	1.357
Mobile	15.036	75.438	227.414	1.114	130.979	35.202
Total	**53.560**	**93.422**	**244.572**	**1.227**	**132.587**	**36.810**
Regional Thresholds	**55**	**55**	**550**	**150**	**150**	**55**
Exceeds Thresholds?	No	Yes	No	No	No	No

Buildout - Year 2035

Remaining Existing Buildings

Max Daily

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	27.272	0.106	0.659	0.001	0.011	0.011
Energy	1.640	14.905	12.511	0.089	1.133	1.133
Mobile	10.214	51.245	154.481	0.757	88.973	23.912
Total	**39.125**	**66.256**	**167.650**	**0.847**	**90.117**	**25.056**

New Buildings

Max Daily

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	32.645	0.002	0.266	0.000	0.001	0.001
Energy	1.580	14.364	12.066	0.086	1.092	1.092
Mobile	10.870	54.538	164.408	0.806	94.691	25.449
Total	**45.095**	**68.905**	**176.740**	**0.892**	**95.783**	**26.542**

Combined

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	59.917	0.109	0.925	0.001	0.012	0.012
Energy	3.220	29.269	24.577	0.176	2.225	2.225
Mobile	21.083	105.783	318.888	1.563	183.664	49.361
Total	**84.220**	**135.160**	**344.390**	**1.739**	**185.901**	**51.598**

Net Difference

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	23.356	-0.022	-1.246	-0.005	-0.239	-0.239
Energy	1.256	11.416	9.590	0.069	0.868	0.868
Mobile	6.048	30.344	91.475	0.448	52.685	14.159
Total	**30.660**	**41.738**	**99.818**	**0.512**	**53.313**	**14.788**
SCAQMD Significance Thresholds	55	55	550	150	150	55
Exceeds Thresholds?	**No**	**No**	**No**	**No**	**No**	**No**

Stationary Equipment - Boiler

Max Daily

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	0.00001	0.00000	0.00010	0.00000	0.00000	0.00000
Energy	0.000	0.000	0.000	0.000	0.000	0.000
Mobile	0.000	0.000	0.000	0.000	0.000	0.000
Stationary	1.421	2.899	25.325	0.155	1.964	1.964
Total	**1.421**	**2.899**	**25.325**	**0.155**	**1.964**	**1.964**

Localized Operation Emissions Worksheet

Existing - 2035

Maximum Emissions

	NOx	CO	PM10 Total	PM2.5 Total
Area	0.131	2.171	0.251	0.251
Energy	17.853	14.987	1.357	1.357
Total	**17.984**	**17.158**	**1.608**	**1.608**
Regional Thresholds	**55**	**550**	**150**	**55**
Exceeds Thresholds?	No	No	No	No

Buildout - Year 2035

Remaining Existing Buildings

Max Daily

	NOx	CO	PM10 Total	PM2.5 Total
Area	0.130	2.130	0.251	0.251
Energy	14.904	12.510	1.133	1.133

Total	**15.035**	**14.640**	**1.384**	**1.384**

New Buildings

Max Daily

	NOx	CO	PM10 Total	PM2.5 Total
Area	0.002	0.266	0.001	0.001
Energy	14.364	12.066	1.092	1.092
Mobile	0.000	0.000	0.000	0.000
Total	**14.367**	**12.332**	**1.093**	**1.093**

Combined

	NOx	CO	PM10 Total	PM2.5 Total
Area	0.133	2.395	0.252	0.252
Energy	29.269	24.576	2.225	2.225
Mobile	0.000	0.000	0.000	0.000
Total	**29.401**	**26.972**	**2.477**	**2.477**

Net Difference

	NOx	CO	PM10 Total	PM2.5 Total
Area	0.002	0.224	0.001	0.001
Energy	11.416	9.589	0.868	0.868
Mobile	0.000	0.000	0.000	0.000
Total	**11.418**	**9.814**	**0.868**	**0.868**
LSTs	203	1,733	4.00	2.00
Exceeds Thresholds?	**No**	**No**	**No**	**No**

GHG Emissions Inventory: Phase 1

Existing - 2016

Source	Buildout MTons/Year	Percent of Project Total
Area	2	0%
Energy	13,276	28%
Mobile	28,524	59%
Waste	5,499	11%
Water	778	2%
Total All Sectors	48,080	100%
Service Population (Visitors, Patients, & Employees)*	6,448	
Per Capita	7.46	N/A

*Fehr & Peers. 2016, October. Administrative Draft Transportation Impact Study for the City of Hope.

Proposed Project Buildout

	MTons Total
Phase 1	5,727
Total Construction	**5,727**

Proposed Project

Remaining Existing Land Uses

Source	Buildout MTons/Year	Percent of Project Total
Area	2	0%
Energy	12,723	37%
Mobile	16,436	48%
Waste	4,672	14%
Water	724	2%
Total All Sectors	34,556	100%

New Land Uses

Source	Buildout MTons/Year	Percent of Project Total
Area	0	0%
Energy	5,627	44%
Mobile	6,574	52%
Waste	249	2%
Water	229	2%
Total All Sectors	12,680	100%

Combined Source	Buildout MTons/Year	Percent of Project Total
Area	2	0%
Energy	18,349	39%
Mobile	23,010	49%
Waste	4,921	10%
Water	953	2%
Amortized Construction Emissions*	191	0%
Total All Sectors	47,427	100%
Service Population (Patients & Employees)**	9,393	persons
Per Capita	5.05	N/A
Forecasted Year 2035 Emission Rate	2.3	MTCO2e/SP/year
Exceeds Per Capita Emission Rate?	**Yes**	

*Total construction emissions are amortized over 30 years per SCAQMD methodology; SCAQMD. 2010, September 28. Greenhouse Gases (GHG) CEQA Significance Thresholds Working Group Meeting 15.
http://www.aqmd.gov/ceqa/handbook/GHG/2010/sept28mtg/sept29.html.

**Fehr & Peers. 2016, October. Administrative Draft Transportation Impact Study for the City of Hope.

Net Difference

Source	Buildout MTons/Year	Percent Change
Area	-0.4	-20%
Energy	5,073	38%
Mobile	-5,514	-19%
Waste	-578	-11%
Water	175	23%
Amortized Construction Emissions	191	n/a
Total All Sectors	-653	-1%
SCAQMD Bright-Line Screening Threshold	3,000	
Exceed Threshold?	**No**	

GHG Emissions Inventory: Phase 2

Existing - 2016

Source	Buildout MTons/Year	Percent of Project Total
Area	2	0%
Energy	13,276	28%
Mobile	28,524	59%
Waste	5,499	11%
Water	778	2%
Total All Sectors	48,080	100%
Service Population (Visitors, Patients, & Employees)*	6,448	
Per Capita	7.46	N/A

*Fehr & Peers. 2016, October. Administrative Draft Transportation Impact Study for the City of Hope.

Proposed Project Buildout

	MTons Total
Phase 1	5,727
Phase 2	5,255
Total Construction	**10,982**

Proposed Project

Remaining Existing Land Uses

Source	Buildout MTons/Year	Percent of Project Total
Area	2	0%
Energy	12,045	39%
Mobile	13,603	44%
Waste	4,579	15%
Water	689	2%
Total All Sectors	30,918	100%

New Land Uses

Source	Buildout MTons/Year	Percent of Project Total
Area	0	0%
Energy	9,328	42%
Mobile	9,522	43%
Waste	2,998	14%
Water	354	2%
Total All Sectors	22,202	100%

Combined

Source	Buildout MTons/Year	Percent of Project Total
Area	2	0%
Energy	21,373	40%
Mobile	23,125	43%
Waste	7,577	14%
Water	1,043	2%
Amortized Construction Emissions*	366	1%
Total All Sectors	53,487	100%
Service Population (Patients & Employees)**	9,393	persons
Per Capita	5.69	N/A
Forecasted Year 2035 Emission Rate	2.3	MTCO2e/SP/year
Exceeds Per Capita Emission Rate?	**Yes**	

*Total construction emissions are amortized over 30 years per SCAQMD methodology; SCAQMD. 2010, September 28. Greenhouse Gases (GHG) CEQA Significance Thresholds Working Group Meeting 15.
http://www.aqmd.gov/ceqa/handbook/GHG/2010/sept28mtg/sept29.html.

**Fehr & Peers. 2016, October. Administrative Draft Transportation Impact Study for the City of Hope.

Net Difference

Source	Buildout MTons/Year	Percent Change
Area	-0.4	-20%
Energy	8,097	61%
Mobile	-5,399	-19%
Waste	2,078	38%
Water	265	34%
Amortized Construction Emissions	366	n/a
Total All Sectors	5,407	11%
SCAQMD Bright-Line Screening Threshold	3,000	
Exceed Threshold?	**Yes**	

Stationary Equipment - Boiler

Source	MTons/Year
Area	0.00003
Energy	0
Mobile	0
Stationary	2,616
Waste	0
Water	0
Total	2,616

GHG Emissions Inventory: Phase 3

Existing - 2016

Source	Buildout MTons/Year	Percent of Project Total
Area	2	0%
Energy	13,276	28%
Mobile	28,524	59%
Waste	5,499	11%
Water	778	2%
Total All Sectors	48,080	100%
Service Population (Visitors, Patients, & Employees)*	6,448	
Per Capita	7.46	N/A

*Fehr & Peers. 2016, October. Administrative Draft Transportation Impact Study for the City of Hope.

Proposed Project Buildout

	MTons Total
Phase 1	5,727
Phase 2	5,255
Phase 3	2,979
Total Construction	**13,961**

Proposed Project

Remaining Existing Land Uses

Source	Buildout MTons/Year	Percent of Project Total
Area	2	0%
Energy	10,753	40%
Mobile	11,483	43%
Waste	4,097	15%
Water	634	2%
Total All Sectors	26,969	100%

New Land Uses

Source	Buildout MTons/Year	Percent of Project Total
Area	0	0%
Energy	19,670	54%
Mobile	12,221	33%
Waste	4,183	11%
Water	470	1%
Total All Sectors	36,544	100%

Combined Source	Buildout MTons/Year	Percent of Project Total
Area	2	0%
Energy	30,423	48%
Mobile	23,703	37%
Waste	8,280	13%
Water	1,104	2%
Amortized Construction Emissions*	465	1%
Total All Sectors	63,978	100%
Service Population (Patients & Employees)**	9,393	persons
Per Capita	6.81	N/A
Forecasted Year 2035 Emission Rate	2.3	MTCO2e/SP/year
Exceeds Per Capita Emission Rate?	**Yes**	

*Total construction emissions are amortized over 30 years per SCAQMD methodology; SCAQMD. 2010, September 28. Greenhouse Gases (GHG) CEQA Significance Thresholds Working Group Meeting 15.
http://www.aqmd.gov/ceqa/handbook/GHG/2010/sept28mtg/sept29.html.

**Fehr & Peers. 2016, October. Administrative Draft Transportation Impact Study for the City of Hope.

Net Difference

Source	Buildout MTons/Year	Percent Change
Area	-0.4	-19%
Energy	17,148	129%
Mobile	-4,821	-17%
Waste	2,781	51%
Water	326	42%
Amortized Construction Emissions	465	n/a
Total All Sectors	15,898	33%
SCAQMD Bright-Line Screening Threshold	3,000	
Exceed Threshold?	**Yes**	

GHG Emissions Inventory: Phase 4/Full Buildout

Existing - 2016

Source	Buildout MTons/Year	Percent of Project Total
Area	2	0%
Energy	13,276	28%
Mobile	28,524	59%
Waste	5,499	11%
Water	778	2%
Total All Sectors	48,080	100%
Service Population (Visitors, Patients, & Employees)*	6,448	
Per Capita	7.5	N/A

*Fehr & Peers. 2016, October. Administrative Draft Transportation Impact Study for the City of Hope.

Proposed Project Buildout

	MTons Total
Phase 1	5,727
Phase 2	5,255
Phase 3	2,979
Phase 4	2,745
Total Construction	**16,707**

Proposed Project

Remaining Existing Land Uses

Source	Buildout MTons/Year	Percent of Project Total
Area	2	0%
Energy	10,495	38%
Mobile	12,351	45%
Waste	4,062	15%
Water	778	3%
Total All Sectors	27,687	100%

New Land Uses

Source	Buildout MTons/Year	Percent of Project Total
Area	0	0%
Energy	20,842	54%
Mobile	13,145	34%
Waste	4,404	11%
Water	442	1%
Total All Sectors	38,834	100%

Combined

Source	Buildout MTons/Year	Percent of Project Total
Area	2	0%
Energy	31,336	47%
Mobile	25,496	38%
Waste	8,466	13%
Water	1,220	2%
Amortized Construction Emissions*	557	1%
Total All Sectors	67,078	100%
Service Population (Patients & Employees)**	9,393	persons
Per Capita	7.14	N/A
Forecasted Year 2035 Emission Rate	2.3	MTCO2e/SP/year
Exceeds Per Capita Emission Rate?	**Yes**	

*Total construction emissions are amortized over 30 years per SCAQMD methodology; SCAQMD. 2010, September 28. Greenhouse Gases (GHG) CEQA Significance Thresholds Working Group Meeting 15.
http://www.aqmd.gov/ceqa/handbook/GHG/2010/sept28mtg/sept29.html.

**Fehr & Peers. 2016, October. Administrative Draft Transportation Impact Study for the City of Hope.

Net Difference

Source	Buildout MTons/Year	Percent Change
Area	-0.4	-19%
Energy	18,061	136%
Mobile	-3,028	-11%
Waste	2,967	54%
Water	442	57%
Amortized Construction Emissions	557	n/a
Total All Sectors	18,998	40%
SCAQMD Bright-Line Screening Threshold	3,000	
Exceed Threshold?	**Yes**	

Stationary Equipment - Boiler

Source	MTons/Year
Area	0.00003
Energy	0
Mobile	0
Stationary	5,233
Waste	0
Water	0
Total	5,233

STATEWIDE TRAJECTORY FOR INTERIM GHG TARGET

2035 CALIFORNIA SERVICE POPULATION (ESTIMATE)

Employment	
	Total Employment
2020	17,511,810
2030	19,210,760
2035	20,027,660
2038	20,515,420
2040	20,848,900
2050	22,595,640

California Department of Transportation. Long-Term Socio-Economic Forecasts by County. http://www.dot.ca.gov/hq/tpp/offices/eab/index_files/2016/CaliforniaForecastData2016.xls

Population	
2020	40,619,346
2030	44,085,600
2035	44,085,600
2038	46,657,547
2040	47,233,240
2050	49,779,362

California Department of Finance. 2016. Report P-2: State and County Population Projections by Race/Ethnicity and Age (5-year groups).
http://www.dof.ca.gov/Forecasting/Demographics/projections/documents/P-2_Age5yr_CAProj_2010-2060.xls

Service Population (SP)	
2020 SP	58,131,156
2030 SP	63,296,360
2035 SP	64,113,260
2038 SP	67,172,967
2040 SP	68,082,140
2050 SP	72,375,002

FORECASTING THE POST-2020 GHG REDUCTION TARGETS - EFFICIENCY METRIC

	Source	MTCO2e (SAR)	MTCO2e/SP	
	BAAQMD & SCAQMD: Land Use Sector Inventory			
2020	2008 Scoping Plan	295,530,000	5.1	
2030	40% Below 1990 Levels	177,318,000	2.8	
2050	80% Below 1990 Levels	59,106,000	0.8	
2035	Forecast (2030-2050)	147,765,000	2.3	50%
2038	Forecast (2030-2050)	130,033,200	1.9	56%
2040	Forecast (2030-2050)	118,212,000	1.7	60%

1990 Inventory - Land Use Only (IPCC Fourth Assessment Report GWPs)

Sector	Notes	MTCOe2
Electricity	Removed Industrial	95,964,000
Transportation	On-Road Only	140,906,000
Landfills	Landfill Extracted from Industrial	7,448,000
Wastewater	Wastewater Treatment Extracted from Industrial	3,581,000
Commercial	Removed National Security	13,873,000
Residential	Includes all	29,740,000
Other	Not Specified	1,269,000
Construction		673,000
TOTAL LAND USE		**293,454,000**

	Source	MTCO2e (SAR)	MTCO2e/SP
2020	1990 Land Use Sector Inventory	293,454,000	5.0
2030	40% Below 1990 Levels	176,072,400	2.8
2050	80% Below 1990 Levels	58,690,800	0.8
2035	Forecast (2030-2050)	146,727,000	2.3
2038	Forecast (2030-2050)	129,119,760	1.9
2040	Forecast (2030-2050)	117,381,600	1.7

California Air Resources Board. 2016. Greenhouse Gas Emission Inventory - Query Tool for years 1990 (1st Edition)

Criteria Air Pollutant and GHG Modeling Inputs and Assumptions

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CalEEMod Land Use Inputs: Existing

Type	Land Use Type	Land Use Unit Amount	Land Use Size Metric	Lot Acreage	Land Use Square Feet
Hospital/Clinic	Hospital	730.044	1000bsf	16.17	730,044
Medical Office	Medical Office	186.296	1000bsf	16.17	186,296
Research and Development	Research and Development	457.936	1000bsf	16.17	457,936
Hospitality	Hotel	13	room	16.17	18,168
Industrial	General Light Industrial	73.909	1000bsf	1.70	73,909
Warehouse	Warehouse no rail	59.244	1000bsf	1.36	59,244
Housing	Low-rise Apartment	6	DU	0.14	5,958
Assembly	General Office	69.295	1000bsf	16.17	69,295
Surface Parking	Parking Lot	31.97	acre	31.97	1,392,800
				116.00	

Project Location:	Los Angeles County SC
Climate Zone:	9
Operation Year	2016/2035
Land Use Setting	Urban
Utility Company	SCE
Source Receptor Area:	9 - East San Gabriel Valley

Land Uses/Development

Buildings

Land Use	Existing (SF)
Hospital/Clinic	730,044
Medical Office	186,296
Research and Development	457,936
Hospitality	18,168
Industrial	73,909
Warehouse	59,244
Housing	5,958
Assembly	69,295
Total	**1,600,850**

Surface Parking

Parking Lots	# of Stalls	Area/Stall (sf)	Total Area (sf)
Lot A	647	400	258,800
Lot A Ancillary	290	400	116,000
Lot B	117	400	46,800
Lot C	593	400	237,200
Lot D	409	400	163,600
Lot D Ancillary	188	400	75,200
Lot E	374	400	149,600
Lot F	114	400	45,600
Lot G	250	400	100,000
2240 Buena Vista	118	400	47,200
2144 Buena Vista	152	400	60,800
Population Sciences	85	400	34,000
Utah	14	400	5,600
CBG	33	400	13,200
Hope Village	9	400	3,600
Hospital Zone - Valet East	6	400	2,400
Hospital Zone - Valet West	20	400	8,000
Hospital Zone - Personnel Road	18	400	7,200
Hospital Zone - Tree Ln	25	400	10,000
Hospital Zone - Tree Ln Lot	20	400	8,000
Total	**3,482**		**1,392,800**

Trip Generation

*Average Daily Trips:**	11,929	ADTs		
*Trip Generation Rate:***	16.34	trips/1000bsf		
			people	***miles/Person***
*Daily Vehicle Miles Traveled:**	170,585	miles	***6,448***	***26.46***
Average Trip Length:	14.30	miles/trip		

**Fehr & Peers. 2016, October. Administrative Draft Transportation Impact Study for the City of Hope.*
***For purposes of this analysis, all trips are assigned to the Hospital/Clinic land use.*

Water Use*

Water Demand		
Average Use Per Day:	457,947	gallons per day (gpd)[1]
Average Use Per Year:	167,150,655	gallons per year (gpy)[2]
Wastewater Generation		
Average Use Per Day:	412,152	gpd[3]
Average Use Per Year:	150,435,480	gpy[2]
Total Outdoor:	16,715,175.0	gpy
Total Indoor:	150,435,480	gpy
TOTAL	167,150,655	gpy

CalEEMod Inputs[4]

Land Use	Indoor	Outdoor
Hospital/Clinic	18,804,435	2,089,397
Medical Office	18,804,435	2,089,397
Research and Development	18,804,435	2,089,397
Hospitality	18,804,435	2,089,397
Industrial	18,804,435	2,089,397
Warehouse	18,804,435	2,089,397
Housing	18,804,435	2,089,397
Assembly	18,804,435	2,089,397
Total	**150,435,480**	**16,715,175**

[1] *KPFF. 2016, August 16. City of Hope Campus Plan: Revised Water Infrastructure and Demand Analysis.*

[2] *Based on 365 days per year.*

[3] *KPFF. 2016, August 16. City of Hope Campus Plan: Revised Wastewater Analysis.*

[4] *For purposes of this analysis, indoor and outdoor water demand are proportioned equally for the different types of land uses.*

Solid Waste*

*Total Solid Waste Generated Per Day:**	53,239	pounds per day
Total Solid Waste Generated Per Day:	27	tons per day (tpd)
Total Solid Waste Generated Per Year:	9,716	tons per year (tpy)

CalEEMod Inputs

Land Use	Solid Waste (tpy)**
Hospital/Clinic	1,215
Medical Office	1,215
Research and Development	1,215
Hospitality	1,215
Industrial	1,215
Warehouse	1,215
Housing	1,215
Assembly	1,215
Total	**9,716**

**See Chapter 5.16, Utilities and Service Systems.*

***For purposes of this analysis, solid waste generated is proportioned equally for the different types of land uses.*

Electricity (Buildings)

Assumes existing buildings are built to meet the 2005 Building Energy Efficiency Standards.

Solar Generation

Amini Building	372	kWh/yr
Gonda Building	451	kWh/yr
Flash Building	372	kWh/yr
Total	**1,195**	**kWh/yr**

Architectural Coating

Land Use	Land Use Amount (BSF)	CalEEMod Paintable Surface Area Multiplier*	Total Paintable Surface Area (BSF)	Total Paintable Interior Surface Area (BSF)*	Total Paintable Exterior Surface Area (BSF)*
Hospital/Clinic	730,044	2.0	1,460,088	1,095,066	365,022
Medical Office	186,296	2.0	372,592	279,444	93,148
Research and Development	457,936	2.0	915,872	686,904	228,968
Hospitality	18,168	2.0	36,336	27,252	9,084
Industrial	73,909	2.0	147,818	110,864	36,955
Warehouse	59,244	2.0	118,488	88,866	29,622
Assembly	69,295	2.0	138,590	103,943	34,648
			Non-Residential Sub-Total	***2,392,338***	***797,446***
Housing	5,958	2.7	16,087	12,065	4,022
Parking Lot	1,392,800	0.06	83,568	0	83,568

*Based on CalEEMod methodology in calculating the paintable surface areas for a residential and nonresidential building.

Changes to the CalEEMod Defaults - Fleet Mix 2016

Fleet mix is tailored to the proposed development project based on the Annual Average Daily Trips (AADT) identified by CalTrans on Interstate 210 west of Interstate 605.

Commercial Default	LDA		LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH	
FleetMix (Model Default)	0.546581	0.047315	0.196959	0.128768	0.019038	0.005774	0.017712	0.026513	0.002264	0.002897	0.004538	0.000646	0.000994	100%
Trips	6,520	564	2,350	1,536	227	69	211	316	27	35	54	8	12	11,929
Percent	80%			13%	5%			3%						100%
Proportion	0.687184	0.059486	0.247625	1.000000	0.385971	0.117060	0.359088	1.000000	0.045900	0.058733	0.005705	0.013097	0.020152	
Assumed Mix	92.20%			2.60%	1.15%			4.05%						100.00%
Adjusted with Assumed	0.633583	0.054846	0.228310	0.026012	0.004441	0.001347	0.004132	0.040482	0.000528	0.000676	0.005260	0.000151	0.000232	100%
Trips	7,558	654	2,724	310	53	16	49	483	6	8	63	2	3	11,929

Source: California Department of Transportation. Traffic Census Program: Traffic Counts, Year 2014.Annual Average Daily Traffic. http://traffic-counts.dot.ca.gov/

Total ADT	Total Truck	% Trucks	2	3	4		5+
251000	19578	7.8%	6529	1586	1302	2888	10161
			33%	8%	7%	1%	52%
92.20%			2.60%				4.05%

CalEEMod Land Use Inputs: Phase 1 Existing Remaining

Type	Land Use Type	Land Use Unit Amount	Land Use Size Metric	Lot Acreage	Land Use Square Feet
Hospital/Clinic	Hospital	700.044	1000bsf	18.05	700,044
Medical Office	Medical Office	141.796	1000bsf	18.05	141,796
Research and Development	R&D	434.436	1000bsf	18.05	434,436
Hospitality	Hotel	13	room	18.05	18,168
Industrial	General Light Industrial	73.909	1000bsf	1.70	73,909
Warehouse	Unrefrigerated Warehouse-No Rail	59.244	1000bsf	1.36	59,244
Housing	Apt-Low Rise	6	DU	0.14	5,958
Assembly	General Office	69.295	1000bsf	1.59	69,295
Surface Parking Lot	Parking Lot	25.45	acre	25.45	1,108,400
				102.43	**2,611,250**

Project Location:	Los Angeles County SC
Climate Zone:	9
Operation Year	2021
Land Use Setting	Urban
Utility Company	SCE
Source Receptor Area:	9 - East San Gabriel Valley

Land Uses/Development

Buildings

Land Use	Existing (SF)	Phase 1	Total Remaining
Hospital/Clinic	730,044	30,000	700,044
Medical Office	186,296	44,500	141,796
Research and Development	457,936	23,500	434,436
Hospitality	18,168		18,168
Industrial	73,909		73,909
Warehouse	59,244		59,244
Housing	5,958		5,958
Assembly	69,295		69,295
Total	**1,600,850**	**98,000**	**1,502,850**

Surface Parking

Parking Lots

	# of Stalls	Removed Phase 1	Net Remaining	Area/Stall (sf)	Total Parking Remaining (sf)
Lot A	647	494	153	400	61,200
Lot A Ancillary	290		290	400	116,000
Lot B	117	45	72	400	28,800
Lot C	593		593	400	237,200
Lot D	409		409	400	163,600
Lot D Ancillary	188		188	400	75,200
Lot E	374		374	400	149,600
Lot F	114		114	400	45,600
Lot G	250		250	400	100,000
2240 Buena Vista	118		118	400	47,200
2144 Buena Vista	152	152	0	400	0
Population Sciences	85		85	400	34,000
Utah	14		14	400	5,600
CBG	33		33	400	13,200
Hope Village	9		9	400	3,600
Hospital Zone - Valet East	6		6	400	2,400
Hospital Zone - Valet West	20	20	0	400	0
Hospital Zone - Personnel Road	18		18	400	7,200
Hospital Zone - Tree Ln	25		25	400	10,000
Hospital Zone - Tree Ln Lot	20		20	400	8,000
Total	**3,482**	**711**	**2,771**		**1,108,400**

Other

Surface Parking:	acre
Other Asphalt Surface:	acres
Hardscape:	acre
Landscaping:	acres

Trip Generation

*Average Daily Trips:**	7,864	ADTs
*Trip Generation Rate:***	11.23	trips/1000bsf
*Daily Vehicle Miles Traveled:**	112,451	miles
Average Trip Length:	14.30	miles/trip

**Fehr & Peers. 2016, October. Administrative Draft Transportation Impact Study for the City of Hope.*
***For purposes of this analysis, all trips are assigned to the Hospital/Clinic land use.*

Water Use

Land Use	Wastewater (GPD/1000BSF/DU)	Total Wastewater (GPD)	Water Demand (GPD/1000BSF/DU)	Total Water Demand (GPD)
Hospital/Clinic	300	210,013	333	233,115
Medical Office	200	28,359	222	31,479
Research and Development	300	130,331	333	144,667
Hospitality	125	1,564	139	1,739
Industrial	25	1,848	28	2,069
Warehouse	25	1,481	28	1,659
Housing	253	1,508	281	1,675
Assembly	125	8,662	139	9,632
	Total	**383,766**	**Total**	**426,035**

Water Demand		
Average Use Per Day:	426,035	gallons per day (gpd)[1]
Average Use Per Year:	155,502,798	gallons per year (gpy)[2]
Wastewater Generation		
Average Use Per Day:	383,766	gpd[3]
Average Use Per Year:	140,074,572	gpy[2]
Total Outdoor:	15,428,226.8	gpy
Total Indoor:	140,074,572	gpy
TOTAL	155,502,798	gpy

CalEEMod Inputs[4]

Land Use	Indoor	Outdoor
Hospital/Clinic	17,509,321	1,928,528
Medical Office	17,509,321	1,928,528
Research and Development	17,509,321	1,928,528
Hospitality	17,509,321	1,928,528
Industrial	17,509,321	1,928,528
Warehouse	17,509,321	1,928,528
Housing	17,509,321	1,928,528
Assembly	17,509,321	1,928,528
Surface Parking Lot	0	0
Total	**140,074,572**	**15,428,227**

[1] *KPFF. 2016, August 16. City of Hope Campus Plan: Revised Water Infrastructure and Demand Analysis.*

[2] *Based on 365 days per year.*

[3] *KPFF. 2016, August 16. City of Hope Campus Plan: Revised Wastewater Analysis.*

[4] *For purposes of this analysis, indoor and outdoor water demand are proportioned equally for the different types of land uses.*

Solid Waste*

Land Use	Solid Waste Generation Rate (lbs/day/sf)*	Solid Waste Generated Per Day (lbs/day)	Solid Waste Generated Per Day (tpd)	Annual Solid Waste Generated (tpy)
Hospital/Clinic	0.059	41,302.60	20.65	7,538
Medical Office	0.006	850.78	0.43	155
Research and Development	0.013	5,647.67	2.82	1,031
Hospitality	0.018	327.02	0.16	60
Industrial	0.0132	975.60	0.49	178
Warehouse	0.0142	841.26	0.42	154
Housing	0.006	37.17	0.02	7
Assembly	0.0132	914.69	0.46	167
		50,897	**25**	**9,289**

**See Chapter 5.16, Utilities and Service Systems.*

Electricity (Buildings)

Assumes existing buildings are built to meet the 2005 Building Energy Efficiency Standards.

Solar Generation

Amini Building	372	kWh/yr
Gonda Building	451	kWh/yr
Flash Building	372	kWh/yr
Total	**1,195**	**kWh/yr**

Architectural Coating

Land Use	Land Use Amount (BSF)	CalEEMod Paintable Surface Area Multiplier*	Total Paintable Surface Area (BSF)	Total Paintable Interior Surface Area (BSF)*	Total Paintable Exterior Surface Area (BSF)*
Hospital/Clinic	700,044	2.0	1,400,088	1,050,066	350,022
Medical Office	141,796	2.0	283,592	212,694	70,898
Research and Development	434,436	2.0	868,872	651,654	217,218
Hospitality	18,168	2.0	36,336	27,252	9,084
Industrial	73,909	2.0	147,818	110,864	36,955
Warehouse	59,244	2.0	118,488	88,866	29,622
Assembly	69,295	2.0	138,590	103,943	34,648
			Non-Residential Sub-Total	***2,245,338***	***748,446***
Housing	5,958	2.7	16,087	12,065	4,022
Surface Parking Lot	1,108,400	0.1	66,504	0	66,504

*Based on CalEEMod methodology in calculating the paintable surface areas for a residential and nonresidential building.

CalEEMod Land Use Inputs: Phase 1 Proposed (New Buildings Only)

Type	Land Use Type	Land Use Unit Amount	Land Use Size Metric	Lot Acreage	Land Use Square Feet
Hospital/Clinics	Hospital	280.00	1000bsf	1.855	280,000
Medical Office	Medical Office	60.00	1000bsf	0.776	60,000
Research and Development	Research and Development	180.00	1000bsf	1.462	180,000
Parking Structure	Enclosed Parking Structure W/El	700.00	1000bsf	3.051	700,000
Surface Parking ot	Parking Lot	6.43	acre	6.426	279,900
				13.57	**1,499,900**

Project Location:	Los Angeles County SC
Climate Zone:	9
Operation Year	2021
Land Use Setting	Urban
Utility Company	SCE
Source Receptor Area:	9 - East San Gabriel Valley

Land Uses/Development

Buildings

Land Uses	Phase 1
Hospital/Clinics	280,000
Medical Office	60,000
Research and Development	180,000
Parking Structure	700,000
Totals	**1,220,000**

(387,500)

Surface Parking

	Phase 1
Parking Lot Area	279,900

Trip Generation

			Check (Existing Remaining + New)
*Average Daily Trips:**	3,145	ADTs	11,009
*Trip Generation Rate:***	11.23	trips/1000bsf	
			Check (Existing Remaining + New)
*Daily Vehicle Miles Traveled:**	44,978	miles	157,429
Average Trip Length:	14.30	miles/trip	

**Fehr & Peers. 2016, October. Administrative Draft Transportation Impact Study for the City of Hope. Based on the "people" associated with the proposed buildings (existing and buildout)*

***For purposes of this analysis, all trips are assigned to the Hospital/Clinic land use.*

Water Use

Land Use	Wastewater (GPD/1000BSF/DU)	Total Wastewater (GPD)	Water Demand (GPD/1000BSF/DU)	Total Water Demand (GPD)
Hospital/Clinics	300	84,000	333	93,240
Medical Office	200	12,000	222	13,320
Research and Development	300	54,000	333	59,940
	Total	**150,000**	**Total**	**166,500**

Water Demand			
Average Use Per Day:	166,500	gallons per day (gpd)[1]	592,535
Average Use Per Year:	60,772,500	gallons per year (gpy)[2]	
Wastewater Generation			
Average Use Per Day:	150,000	gpd[3]	533,766
Average Use Per Year:	54,750,000	gpy[2]	
Total Outdoor:	6,022,500	gpy	
Total Indoor:	54,750,000	gpy	
TOTAL	60,772,500	gpy	

CalEEMod Inputs[4]

Land Use		Indoor	Outdoor
Hospital/Clinics		18,250,000	2,007,500
Medical Office		18,250,000	2,007,500
Research and Development		18,250,000	2,007,500
Parking Structure		0	0
Surface Parking ot			
	Total	**54,750,000**	**6,022,500**

[1] *KPFF. 2016, August 16. City of Hope Campus Plan: Revised Water Infrastructure and Demand Analysis.*

[2] *Based on 365 days per year.*

[3] *KPFF. 2016, August 16. City of Hope Campus Plan: Revised Wastewater Analysis.*

[4] *For purposes of this analysis, indoor and outdoor water demand are proportioned equally for the different types of land uses.*

Solid Waste*

Land Use	Solid Waste Generation Rate (lbs/day/sf)*	Solid Waste Generated Per Day (lbs/day)	Solid Waste Generated Per Day (tpd)	Annual Solid Waste Generated (tpy)	
Hospital/Clinics	0.059	16,520	8.26	3,015	
Medical Office	0.006	360	0.18	66	
Research and Development	0.013	2,340	1.17	427	
	Total	**19,220**	**10**	**3,508**	12,796

**See Chapter 5.16, Utilities and Service Systems.*

Electricity (Buildings)

Buildings constructed after January 1, 2017 are required to meet the 2016 Building Energy Efficiency Standards. The 2016 Standards are 5% more energy efficient for non-residential buildings than the 2013 Building Energy Efficiency Standards.

Architectural Coating

Land Use	Land Use Amount (BSF)	CalEEMod Paintable Surface Area Multiplier*	Total Paintable Surface Area (BSF)	Total Paintable Interior Surface Area (BSF)*	Total Paintable Exterior Surface Area (BSF)*
Hospital/Clinics	280,000	2.0	560,000	420,000	140,000
Medical Office	60,000	2.0	120,000	90,000	30,000
Research and Development	180,000	2.0	360,000	270,000	90,000
			Non-Residential Sub-Total	***780,000***	***260,000***
Parking Structure	700,000	0.06	42,000	0	42,000
Surface Parking ot	279,900	0.06	16,794	0	16,794
			Parking Sub-Total	***0***	***58,794***

*Based on CalEEMod methodology in calculating the paintable surface areas for a residential and nonresidential building.

CalEEMod Land Use Inputs: Full Buildout

Type	Land Use Type	Land Use Unit Amount	Land Use Size Metric	Lot Acreage	Land Use Square Feet
Hospital/Clinics	Hospital	980.04	1000bsf	13.49	980,044
Medical Office	Medical Office	201.80	1000bsf	13.49	201,796
Research and Development	Research and Development	614.44	1000bsf	13.49	614,436
Hospitality	Hotel	13	Room	13.49	18,168
Industrial	General Light Industrial	73.91	1000bsf	1.70	73,909
Warehouse	Unrefrigerated Warehouse-NR	59.24	1000bsf	1.36	59,244
Housing	Apt - Low Rise	6	1000bsf	0.14	5,958
Assembly	General Office	69.30	1000bsf	13.49	69,295
Parking Structure	Parking Structure	700.00	1000bsf	13.49	700,000
Surface Parking Lot	Parking Lot	31.87	acre	31.87	1,388,300
				116.00	**4,111,150**

Project Location:	Los Angeles County SC
Climate Zone:	9
Operation Year	2021
Land Use Setting	Urban
Utility Company	SCE
Source Receptor Area:	9 - East San Gabriel Valley

Land Uses/Development

Buildings

Land Use	Existing (SF)	Demolition Per Phase: Phase 1	Total Remaining
Hospital/Clinic	730,044	30,000	700,044
Medical Office	186,296	44,500	141,796
Research and Development	457,936	23,500	434,436
Hospitality	18,168		18,168
Industrial	73,909		73,909
Warehouse	59,244		59,244
Housing	5,958		5,958
Assembly	69,295		69,295
Total	**1,600,850**	**98,000**	**1,502,850**
People	6,448		

Land Uses	Total Remaining	New Construction Per Phase: Phase 1	Total New	Total Overall
Hospital/Clinics	700,044	280,000	280,000	980,044
Medical Office	141,796	60,000	60,000	201,796
Research and Development	434,436	180,000	180,000	614,436
Hospitality	18,168	0	0	18,168
Industrial	73,909	0	0	73,909
Warehouse	59,244		0	59,244
Housing	5,958		0	5,958
Assembly	69,295	0	0	69,295
Parking Structure	0	700,000	700,000	700,000
Totals	**1,502,850**	**1,220,000**	**1,220,000**	**2,722,850**
			Total People	*6,199*
		Net Increase in Building SQFT (excluding Parking Garages)		1,122,000
			Net People	*(249)*

Surface Parking

	Phase 1	New Parking Sub-Total	Remaining Parking	Total Parking
Surface Parking Lot	279,900	***279,900***	***1,108,400***	**1,388,300**

Trip Generation

*Average Daily Trips:**	11,009	ADTs		
*Trip Generation Rate:***	11.23	trips/1000bsf		
			people	**Miles/Person**
*Daily Vehicle Miles Traveled:**	157,429	miles	**6,199**	**25.40**
Average Trip Length:	14.30	miles/trip		

**Fehr & Peers. 2016, October. Administrative Draft Transportation Impact Study for the City of Hope. Based on the "people" associated with the proposed buildings (existing and buildout)*
***For purposes of this analysis, all trips are assigned to the Hospital/Clinic land use.*

Water Use

Land Use	Wastewater (GPD/1000BSF/DU)	Total Wastewater (GPD)	Water Demand (GPD/1000BSF/DU)	Total Water Demand (GPD)
Hospital/Clinics	300	294,013	333	326,355
Medical Office	200	40,359	222	44,799
Research and Development	300	184,331	333	204,607
Hospitality	125	1,564	139	1,739
Industrial	25	1,848	28	2,069
Warehouse	25	1,481	28	1,659
Housing	253	1,508	281	1,675
Assembly	125	8,662	139	9,632
	Total	**533,766**	**Total**	**592,535**

Water Demand		
Average Use Per Day:	592,535	gallons per day (gpd)[1]
Average Use Per Year:	216,275,298	gallons per year (gpy)[2]
Wastewater Generation		
Average Use Per Day:	533,766	gpd[3]
Average Use Per Year:	194,824,572	gpy[2]

Total Outdoor:	21,450,726.8	gpy
Total Indoor:	194,824,572	gpy
TOTAL	216,275,298	gpy

CalEEMod Inputs[4]

Land Use	Indoor	Outdoor
Hospital/Clinics	24,353,071	2,681,341
Medical Office	24,353,071	2,681,341
Research and Development	24,353,071	2,681,341
Hospitality	24,353,071	2,681,341
Industrial	24,353,071	2,681,341
Warehouse	24,353,071	2,681,341
Housing	24,353,071	2,681,341
Assembly	24,353,071	2,681,341
Parking Structure		
Surface Parking Lot		
Total	**194,824,572**	**21,450,727**

[1] *KPFF. 2016, August 16. City of Hope Campus Plan: Revised Water Infrastructure and Demand Analysis.*

[2] *Based on 365 days per year.*

[3] *KPFF. 2016, August 16. City of Hope Campus Plan: Revised Wastewater Analysis.*

[4] *For purposes of this analysis, indoor and outdoor water demand are proportioned equally for the different types of land uses.*

Solid Waste*

Land Use	Solid Waste Generation Rate (lbs/day/sf)*	Solid Waste Generated Per Day (lbs/day)	Solid Waste Generated Per Day (tpd)	Annual Solid Waste Generated (tpy)
Hospital/Clinics	0.059	57,822.60	28.91	10,553
Medical Office	0.006	1,210.78	0.61	221
Research and Development	0.013	7,987.67	3.99	1,458
Hospitality	0.018	327.02	0.16	60
Industrial	0.0132	975.60	0.49	178
Warehouse	0.0142	841.26	0.42	154
Housing	0.006	37.17	0.02	7
Assembly	0.0132	914.69	0.46	167
Parking Structure	0	0	0	0
Surface Parking Lot	0	0	0	0
		70,117	**35**	**12,796**

**See Chapter 5.16, Utilities and Service Systems.*

Electricity (Buildings)

Buildings constructed after January 1, 2017 are required to meet the 2016 Building Energy Efficiency Standards. The 2016 Standards are 5% more energy efficient for non-residential buildings than the 2013 Building Energy Efficiency Standards. The 2013 Standards are 30% more efficient for non-residential buildings than the 2008 Standards. Existing buildings are assumed to meet the 2005 Building Energy Efficiency Standards.

Solar Generation

Amini Building	372	kWh/yr
Gonda Building	451	kWh/yr
Flash Building	372	kWh/yr
Total	**1,195**	**kWh/yr**

Architectural Coating

Land Use	Land Use Amount (BSF)	CalEEMod Paintable Surface Area Multiplier*	Total Paintable Surface Area (BSF)	Total Paintable Interior Surface Area (BSF)*	Total Paintable Exterior Surface Area (BSF)*
Hospital/Clinics	980,044	2.0	1,960,088	1,470,066	490,022
Medical Office	201,796	2.0	403,592	302,694	100,898
Research and Development	614,436	2.0	1,228,872	921,654	307,218
Hospitality	18,168	2.0	36,336	27,252	9,084
Industrial	73,909	2.0	147,818	110,864	36,955
Warehouse	59,244	2.0	118,488	88,866	29,622
Assembly	69,295	2.0	138,590	103,943	34,648
			Non-Residential Sub-Total	***3,025,338***	***1,008,446***
Housing	5,958	2.7	16,087	12,065	4,022
Parking Structure	700,000	0.06	42,000	0	42,000
Surface Parking Lot	1,388,300	0.06	83,298	0	83,298
			Parking Sub-Total	***0***	***125,298***

*Based on CalEEMod methodology in calculating the paintable surface areas for a residential and nonresidential building.

Changes to the CalEEMod Defaults - Fleet Mix 2021

Fleet mix is tailored to the proposed development project based on the Annual Average Daily Trips (AADT) identified by CalTrans on Interstate 210 west of Interstate 605.

Commercial Default	LDA		LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH	
FleetMix (Model Default)	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891	100%
Trips	6,024	497	2,232	1,338	178	68	217	330	27	25	56	8	10	11,009
Percent	80%			12%	5%			3%						100%
Proportion	0.683828	0.056458	0.253369	1.000000	0.333926	0.127040	0.408293	1.000000	0.051267	0.046944	0.006346	0.014104	0.018426	
Assumed Mix	92.20%			2.60%	1.15%			4.05%						100.00%
Adjusted with Assumed	0.630489	0.052054	0.233606	0.026012	0.003842	0.001462	0.004698	0.040482	0.000590	0.000540	0.005851	0.000162	0.000212	100%
Trips	6,941	573	2,572	286	42	16	52	446	6	6	64	2	2	11,009

Source: California Department of Transportation. Traffic Census Program: Traffic Counts, Year 2014.Annual Average Daily Traffic. http://traffic-counts.dot.ca.gov/

Total ADT	Total Truck	% Trucks	2	3	4		5+
251000	19578	7.8%	6529	1586	1302	2888	10161
			33%	8%	7%	1%	52%
92.20%			2.60%				4.05%

CalEEMod Land Use Inputs: Phase 2 Existing Remaining

Type	Land Use Type	Land Use Unit Amount	Land Use Size Metric	Lot Acreage	Land Use Square Feet
Hospital/Clinic	Hospital	700.044	1000bsf	13.58	700,044
Medical Office	Medical Office	81.296	1000bsf	13.58	81,296
Research and Development	R&D	416.936	1000bsf	13.58	416,936
Hospitality	Hotel	10	room	13.58	14,668
Industrial	General Light Industrial	70.409	1000bsf	1.62	70,409
Warehouse	Unrefrigerated Warehouse-No Rail	37.244	1000bsf	0.86	37,244
Housing	Apt-Low Rise	6	DU	0.14	5,958
Assembly	General Office	69.295	1000bsf	1.59	69,295
Surface Parking Lot	Parking Lot	17.59	acre	17.59	766,400
				76.10	**2,162,250**

Project Location:	Los Angeles County SC
Climate Zone:	9
Operation Year	2025
Land Use Setting	Urban
Utility Company	SCE
Source Receptor Area:	9 - East San Gabriel Valley

Land Uses/Development

Buildings

Land Use	Existing (SF)	Phase 1	Phase 2	Total Remaining
Hospital/Clinic	730,044	30,000		700,044
Medical Office	186,296	44,500	60,500	81,296
Research and Development	457,936	23,500	17,500	416,936
Hospitality	18,168		3,500	14,668
Industrial	73,909		3,500	70,409
Warehouse	59,244		22,000	37,244
Housing	5,958			5,958
Assembly	69,295			69,295
Total	**1,600,850**	**98,000**	**107,000**	**1,395,850**

Surface Parking

Parking Lots	# of Stalls	Removed Phase 2	Net Remaining	Area/Stall (sf)	Total Parking Remaining (sf)
Lot A	153		153	400	61,200
Lot A Ancillary	290		290	400	116,000
Lot B	72	72	0	400	0
Lot C	593	451	142	400	56,800
Lot D	409	20	389	400	155,600
Lot D Ancillary	188		188	400	75,200
Lot E	374	174	200	400	80,000
Lot F	114		114	400	45,600
Lot G	250	38	212	400	84,800
2240 Buena Vista	118		118	400	47,200
2144 Buena Vista	0		0	400	0
Population Sciences	85	23	62	400	24,800
Utah	14	14	0	400	0
CBG	33		33	400	13,200
Hope Village	9		9	400	3,600
Hospital Zone - Valet East	6		6	400	2,400
Hospital Zone - Valet West	0		0	400	0
Hospital Zone - Personnel Road	18	18	0	400	0
Hospital Zone - Tree Ln	25	25	0	400	0
Hospital Zone - Tree Ln Lot	20	20	0	400	0
Total	**2,771**	**855**	**1,916**		**766,400**

Other

Surface Parking:	acre
Other Asphalt Surface:	acres
Hardscape:	acre
Landscaping:	acres

Trip Generation

*Average Daily Trips:**	7,394	ADTs
*Trip Generation Rate:***	10.56	trips/1000bsf
*Daily Vehicle Miles Traveled:**	105,739	miles
Average Trip Length:	14.30	miles/trip

**Fehr & Peers. 2016, October. Administrative Draft Transportation Impact Study for the City of Hope.*
***For purposes of this analysis, all trips are assigned to the Hospital/Clinic land use.*

Water Use

Land Use	Wastewater (GPD/1000BSF/DU)	Total Wastewater (GPD)	Water Demand (GPD/1000BSF/DU)	Total Water Demand (GPD)
Hospital/Clinic	300	210,013	333	233,115
Medical Office	200	16,259	222	18,048
Research and Development	300	125,081	333	138,840
Hospitality	125	1,263	139	1,404
Industrial	25	1,760	28	1,971
Warehouse	25	931	28	1,043
Housing	215	1,284	239	1,426
Assembly	125	8,662	139	9,632
	Total	**365,253**	**Total**	**405,478**

Water Demand		
Average Use Per Day:	405,478	gallons per day (gpd)[1]
Average Use Per Year:	147,999,533	gallons per year (gpy)[2]

Wastewater Generation

Average Use Per Day:	365,253	gpd[3]
Average Use Per Year:	133,317,223	gpy[2]
Total Outdoor:	14,682,310.7	gpy
Total Indoor:	133,317,223	gpy
TOTAL	147,999,533	gpy

CalEEMod Inputs[4]

Land Use	Indoor	Outdoor
Hospital/Clinic	16,664,653	1,835,289
Medical Office	16,664,653	1,835,289
Research and Development	16,664,653	1,835,289
Hospitality	16,664,653	1,835,289
Industrial	16,664,653	1,835,289
Warehouse	16,664,653	1,835,289
Housing	16,664,653	1,835,289
Assembly	16,664,653	1,835,289
Surface Parking Lot	0	0
Total	**133,317,223**	**14,682,311**

[1] *KPFF. 2016, August 16. City of Hope Campus Plan: Revised Water Infrastructure and Demand Analysis.*

[2] *Based on 365 days per year.*

[3] *KPFF. 2016, August 16. City of Hope Campus Plan: Revised Wastewater Analysis.*

[4] *For purposes of this analysis, indoor and outdoor water demand are proportioned equally for the different types of land uses.*

Solid Waste*

Land Use	Solid Waste Generation Rate (lbs/day/sf)*	Solid Waste Generated Per Day (lbs/day)	Solid Waste Generated Per Day (tpd)	Annual Solid Waste Generated (tpy)
Hospital/Clinic	0.059	41,302.60	20.65	7,538
Medical Office	0.006	487.78	0.24	89
Research and Development	0.0130	5,420.17	2.71	989
Hospitality	0.018	264.02	0.13	48
Industrial	0.0132	929.40	0.46	170
Warehouse	0.0142	528.86	0.26	97
Housing	0.006	37.17	0.02	7
Assembly	0.0132	914.69	0.46	167
Surface Parking Lot	0	0.00	0	0
		49,885	**25**	**9,104**

**See Chapter 5.16, Utilities and Service Systems.*

Electricity (Buildings)

Assumes existing buildings are built to meet the 2005 Building Energy Efficiency Standards.

Solar Generation

Amini Building	372	kWh/yr
Gonda Building	451	kWh/yr
Flash Building	372	kWh/yr
Total	**1,195**	**kWh/yr**

Architectural Coating

Land Use	Land Use Amount (BSF)	CalEEMod Paintable Surface Area Multiplier*	Total Paintable Surface Area (BSF)	Total Paintable Interior Surface Area (BSF)*	Total Paintable Exterior Surface Area (BSF)*
Hospital/Clinic	700,044	2.0	1,400,088	1,050,066	350,022
Medical Office	81,296	2.0	162,592	121,944	40,648
Research and Development	416,936	2.0	833,872	625,404	208,468
Hospitality	14,668	2.0	29,336	22,002	7,334
Industrial	70,409	2.0	140,818	105,614	35,205
Warehouse	37,244	2.0	74,488	55,866	18,622
Assembly	69,295	2.0	138,590	103,943	34,648
			Non-Residential Sub-Total	***2,084,838***	***694,946***
Housing	5,958	2.7	16,087	12,065	4,022
Surface Parking Lot	766,400	0.1	45,984	0	45,984

*Based on CalEEMod methodology in calculating the paintable surface areas for a residential and nonresidential building.

CalEEMod Land Use Inputs: Phase 2 Proposed (New Buildings Only)

Type	Land Use Type	Land Use Unit Amount	Land Use Size Metric	Lot Acreage	Land Use Square Feet
Hospital/Clinics	Hospital	490.00	1000bsf	18.87	490,000
Medical Office	Medical Office	60.00	1000bsf	0.78	60,000
Research and Development	Research and Development	241.00	1000bsf	2.17	241,000
Parking Structure	Enclosed Parking Structure w/El	1,200.00	1000bsf	6.76	1,200,000
Industrial	General Light Industrial	20.00	1000bsf	0.93	20,000
Surface Parking Lot	Parking Lot	10.39	acre	10.39	452,800
				39.90	**2,011,000**

Project Location:	Los Angeles County SC
Climate Zone:	9
Operation Year	2025
Land Use Setting	Urban
Utility Company	SCE
Source Receptor Area:	9 - East San Gabriel Valley

Land Uses/Development

Buildings

Land Uses	Phase 1	Phase 2	Total New
Hospital/Clinics	280,000	210,000	490,000
Medical Office	60,000		60,000
Research and Development	180,000	61,000	241,000
Parking Structure	700,000	500,000	1,200,000
Hospitality			0
Industrial		20,000	20,000
Data Center			0
Totals	**1,220,000**	**791,000**	**2,011,000**
			1,623,500

Surface Parking

	Phase 1	Phase 2	Total
Parking Lot Area	279,900	172,900	452,800

Trip Generation

			Check (Existing Remaining + New)
*Average Daily Trips:**	5,176	ADTs	12,570
*Trip Generation Rate:***	10.56	trips/1000bsf	
			Check (Existing Remaining + New)
*Daily Vehicle Miles Traveled:**	74,012	miles	179,751
Average Trip Length:	14.30	miles/trip	

**Fehr & Peers. 2016, October. Administrative Draft Transportation Impact Study for the City of Hope. Based on the "people" associated with the proposed buildings (existing and buildout)*

***For purposes of this analysis, all trips are assigned to the Hospital/Clinic land use.*

Water Use

Land Use	Wastewater (GPD/1000BSF/DU)	Total Wastewater (GPD)	Water Demand (GPD/1000BSF/DU)	Total Water Demand (GPD)
Hospital/Clinics	300	147,000	333	163,170
Medical Office	200	12,000	222	13,320
Research and Development	300	72,300	333	80,253
Industrial	25	500	28	560
	Total	**231,800**	**Total**	**257,303**

Water Demand			
Average Use Per Day:	257,303	gallons per day (gpd)[1]	662,781
Average Use Per Year:	93,915,595	gallons per year (gpy)[2]	
Wastewater Generation			
Average Use Per Day:	231,800	gpd[3]	597,053
Average Use Per Year:	84,607,000	gpy[2]	

Total Outdoor:	9,308,595.0	gpy
Total Indoor:	84,607,000	gpy
TOTAL	93,915,595	gpy

CalEEMod Inputs[4]

Land Use	Indoor	Outdoor
Hospital/Clinics	21,151,750	2,327,149
Medical Office	21,151,750	2,327,149
Research and Development	21,151,750	2,327,149
Parking Structure	0	0
Industrial	21,151,750	2,327,149
Surface Parking Lot	0	0
Total	**84,607,000**	**9,308,595**

[1] *KPFF. 2016, August 16. City of Hope Campus Plan: Revised Water Infrastructure and Demand Analysis.*

[2] *Based on 365 days per year.*

[3] *KPFF. 2016, August 16. City of Hope Campus Plan: Revised Wastewater Analysis.*

[4] *For purposes of this analysis, indoor and outdoor water demand are proportioned equally for the different types of land uses.*

Solid Waste*

Land Use	Solid Waste Generation Rate (lbs/day/sf)*	Solid Waste Generated Per Day (lbs/day)	Solid Waste Generated Per Day (tpd)	Annual Solid Waste Generated (tpy)	
Hospital/Clinics	0.059	28,910	14.46	5,276	
Medical Office	0.006	360	0.18	66	
Research and Development	0.0130	3,133	1.57	572	
Industrial	0.0132	264	0.13	48	
	Total	**32,667**	**16**	**5,962**	15,066

**See Chapter 5.16, Utilities and Service Systems.*

Electricity (Buildings)

Buildings constructed after January 1, 2017 are required to meet the 2016 Building Energy Efficiency Standards. The 2016 Standards are 5% more energy efficient for non-residential buildings than the 2013 Building Energy Efficiency Standards.

Architectural Coating

Land Use	Land Use Amount (BSF)	CalEEMod Paintable Surface Area Multiplier*	Total Paintable Surface Area (BSF)	Total Paintable Interior Surface Area (BSF)*	Total Paintable Exterior Surface Area (BSF)*
Hospital/Clinics	490,000	2.0	980,000	735,000	245,000
Medical Office	60,000	2.0	120,000	90,000	30,000
Research and Development	241,000	2.0	482,000	361,500	120,500
Industrial	20,000	2.0	40,000	30,000	10,000
			Non-Residential Sub-Total	***1,216,500***	***405,500***
Surface Parking Lot	452,800	0.06	27,168	0	27,168
Parking Structure	1,200,000	0.06	72,000	0	72,000
			Parking Sub-Total	***0***	***99,168***

*Based on CalEEMod methodology in calculating the paintable surface areas for a residential and nonresidential building.

CalEEMod Land Use Inputs: Phase 2 Buildout

Type	Land Use Type	Land Use Unit Amount	Land Use Size Metric	Lot Acreage	Land Use Square Feet
Hospital/Clinics	Hospital	1,190.04	1000bsf	14.16	1,190,044
Medical Office	Medical Office	141.30	1000bsf	14.16	141,296
Research and Development	Research and Development	657.94	1000bsf	14.16	657,936
Hospitality	Apt - Low Rise	10	room	14.16	14,668
Industrial	General Light Industrial	90.41	1000bsf	2.08	90,409
Warehouse	Unrefrigerated Warehouse-NR	37.24	1000bsf	0.86	37,244
Housing	Apt - Low Rise	7	DU	0.14	5,958
Assembly	General Office	69.30	1000bsf	14.16	69,295
Parking Structure	Unenclosed Parking Structure w/Elev	1,200.00	1000bsf	14.16	1,200,000
Surface Parking Lot	Parking Lot	27.99	acre	27.99	1,219,200
				116.00	**4,626,050**

Project Location:	Los Angeles County SC
Climate Zone:	9
Operation Year	2025
Land Use Setting	Urban
Utility Company	SCE
Source Receptor Area:	9 - East San Gabriel Valley

Land Uses/Development

Buildings

		Demolition Per Phase		
Land Use	Existing (SF)	Phase 1	Phase 2	Total Remaining
Hospital/Clinic	730,044	30,000		700,044
Medical Office	186,296	44,500	60,500	81,296
Research and Development	457,936	23,500	17,500	416,936
Hospitality	18,168		3,500	14,668
Industrial	73,909		3,500	70,409
Warehouse	59,244		22,000	37,244
Housing	5,958			5,958
Assembly	69,295			69,295
Parking Structure				0
Total	**1,600,850**	**98,000**	**107,000**	**1,395,850**
People	6,448			

		New Construction Per Phase			
Land Uses	Total Remaining	Phase 1	Phase 2	Total New	Total Overall
Hospital/Clinics	700,044	280,000	210,000	490,000	1,190,044
Medical Office	81,296	60,000		60,000	141,296
Research and Development	416,936	180,000	61,000	241,000	657,936
Hospitality	14,668	0	0	0	14,668
Industrial	70,409	0	20,000	20,000	90,409
Warehouse	37,244			0	37,244
Housing	5,958			0	5,958
Assembly	69,295	0	0	0	69,295
Parking Structure	0	700,000	500,000	1,200,000	1,200,000
Data Center	0	0	0	0	0
Totals	**1,395,850**	**1,220,000**	**791,000**	**2,011,000**	**3,406,850**
				Total People	*7,078*
			Net Increase in Building SQFT (excluding Parking Garages)		1,806,000
				Net People	*630*

Surface Parking

	Phase 1	Phase 2	New Parking Sub-Total	Remaining Parking	Total Parking
Surface Parking Lot	279,900	172,900	***452,800***	***766,400***	**1,219,200**

Trip Generation

*Average Daily Trips:**	12,570	ADTs		
*Trip Generation Rate:***	10.56	trips/1000bsf		
			people	**Miles/Person**
*Daily Vehicle Miles Traveled:**	179,751	miles	**7,078**	**25.40**
Average Trip Length:	14.30	miles/trip		

**Fehr & Peers. 2016, October. Administrative Draft Transportation Impact Study for the City of Hope. Based on the "people" associated with the proposed buildings (existing and buildout)*
***For purposes of this analysis, all trips are assigned to the Hospital/Clinic land use.*

Water Use

Land Use	Wastewater (GPD/1000BSF/DU)	Total Wastewater (GPD)	Water Demand (GPD/1000BSF/DU)	Total Water Demand (GPD)
Hospital/Clinics	300	357,013	333	396,285
Medical Office	200	28,259	222	31,368
Research and Development	300	197,381	333	219,093
Hospitality	125	1,250	139	1,390
Industrial	25	2,260	28	2,531
Warehouse	25	931	28	1,043
Housing	215	1,508	239.29	1,675
Assembly	125	8,662	139	9,632
	Total	**597,264**	**Total**	**663,016**

Water Demand		
Average Use Per Day:	663,016	gallons per day (gpd)[1]
Average Use Per Year:	242,000,964	gallons per year (gpy)[2]
Wastewater Generation		
Average Use Per Day:	597,264	gpd[3]
Average Use Per Year:	218,001,506	gpy[2]

Total Outdoor:	23,999,458.5	gpy
Total Indoor:	218,001,506	gpy
TOTAL	242,000,964	gpy

CalEEMod Inputs[4]

Land Use	Indoor	Outdoor
Hospital/Clinics	27,250,188	2,999,932
Medical Office	27,250,188	2,999,932
Research and Development	27,250,188	2,999,932
Hospitality	27,250,188	2,999,932
Industrial	27,250,188	2,999,932
Warehouse	27,250,188	2,999,932
Housing	27,250,188	2,999,932
Assembly	27,250,188	2,999,932
Parking Structure	0	0
Surface Parking Lot	0	0
Total	**218,001,506**	**23,999,458**

[1] KPFF. 2016, August 16. City of Hope Campus Plan: Revised Water Infrastructure and Demand Analysis.

[2] Based on 365 days per year.

[3] KPFF. 2016, August 16. City of Hope Campus Plan: Revised Wastewater Analysis.

[4] For purposes of this analysis, indoor and outdoor water demand are proportioned equally for the different types of land uses.

Solid Waste*

Land Use	Solid Waste Generation Rate (lbs/day/sf)*	Solid Waste Generated Per Day (lbs/day)	Solid Waste Generated Per Day (tpd)	Annual Solid Waste Generated (tpy)
Hospital/Clinics	0.059	70,212.60	35.11	12,814
Medical Office	0.006	847.78	0.42	155
Research and Development	0.0130	8,553.17	4.28	1,561
Hospitality	0.018	264.02	0.13	48
Industrial	0.0132	1,193.40	0.60	218
Warehouse	0.0142	528.86	0.26	97
Housing	0.006	37.17	0.02	7
Assembly	0.0132	914.69	0.46	167
Parking Structure	0	0.00	0	0
Surface Parking Lot	0	0.00	0	0
		82,552	**41**	**15,066**

**See Chapter 5.16, Utilities and Service Systems.*

Electricity (Buildings)

Buildings constructed after January 1, 2017 are required to meet the 2016 Building Energy Efficiency Standards. The 2016 Standards are 5% more energy efficient for non-residential buildings than the 2013 Building Energy Efficiency Standards. The 2013 Standards are 30% more efficient for non-residential buildings than the 2008 Standards. Existing buildings are assumed to meet the 2005 Building Energy Efficiency Standards.

Solar Generation

Amini Building	372	kWh/yr
Gonda Building	451	kWh/yr
Flash Building	372	kWh/yr
Total	**1,195**	**kWh/yr**

Architectural Coating

Land Use	Land Use Amount (BSF)	CalEEMod Paintable Surface Area Multiplier*	Total Paintable Surface Area (BSF)	Total Paintable Interior Surface Area (BSF)*	Total Paintable Exterior Surface Area (BSF)*
Hospital/Clinics	1,190,044	2.0	2,380,088	1,785,066	595,022
Medical Office	141,296	2.0	282,592	211,944	70,648
Research and Development	657,936	2.0	1,315,872	986,904	328,968
Hospitality	14,668	2.0	29,336	22,002	7,334
Industrial	90,409	2.0	180,818	135,614	45,205
Warehouse	37,244	2.0	74,488	55,866	18,622
Assembly	69,295	2.0	138,590	103,943	34,648
			Non-Residential Sub-Total	***3,301,338***	***1,100,446***
Housing	5,958	2.7	16,087	12,065	4,022
Parking Structure	1,200,000	0.06	72,000	0	72,000
Surface Parking Lot	1,219,200	0.06	73,152	0	73,152
			Parking Sub-Total	***0***	***145,152***

*Based on CalEEMod methodology in calculating the paintable surface areas for a residential and nonresidential building.

Stationary Equipment

*Number of Boilers:**	1	
*Fuel Type:**	*Compressed Natural Gas*	
*Boiler Rating:**	4	MMBtu/hr
*Daily Heat Input:***	131.79	MMBtu/day
*Annual Heat Input:***	49,003	MMBtu/year

** Based on information provided by by LSA.*

*** Based on information provided by by LSA. The daily and annual heat input are based on data provided for the three existing boilers currently in operation at the City of Hope central utilities plant.*

Changes to the CalEEMod Defaults - Fleet Mix 2025

Fleet mix is tailored to the proposed development project based on the Annual Average Daily Trips (AADT) identified by CalTrans on Interstate 210 west of Interstate 605.

Commercial Default	LDA		LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH	
FleetMix (Model Default)	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841	100%
Trips	6,849	559	2,611	1,480	185	79	261	404	32	25	66	9	11	12,570
Percent	80%			12%	5%			3%						100%
Proportion	0.679136	0.055453	0.258881	1.000000	0.307424	0.131230	0.433778	1.000000	0.053814	0.041511	0.006530	0.014646	0.017596	
Assumed Mix	92.20%			2.60%	1.15%			4.05%						100.00%
Adjusted with Assumed	0.626163	0.051128	0.238688	0.026012	0.003537	0.001510	0.004991	0.040482	0.000619	0.000478	0.006021	0.000169	0.000202	100%
Trips	7,871	643	3,000	327	44	19	63	509	8	6	76	2	3	12,570

Source: California Department of Transportation. Traffic Census Program: Traffic Counts, Year 2014.Annual Average Daily Traffic. http://traffic-counts.dot.ca.gov/

Total ADT	Total Truck	% Trucks	2	3	4		5+
251000	19578	7.8%	6529	1586	1302	2888	10161
			33%	8%	7%	1%	52%
92.20%			2.60%				4.05%

CalEEMod Land Use Inputs: Existing Remaining

Type	Land Use Type	Land Use Unit Amount	Land Use Size Metric	Lot Acreage	Land Use Square Feet
Hospital/Clinic	Hospital	629.544	1000bsf	11.73	629,544
Medical Office	Medical Office	68.296	1000bsf	11.73	68,296
Research and Development	R&D	416.936	1000bsf	11.73	416,936
Hospitality	Hotel	1	room	11.73	168
Industrial	General Light Industrial	70.409	1000bsf	1.62	70,409
Warehouse	Unrefrigerated Warehouse-No Rail	10.744	1000bsf	0.25	10,744
Housing	Apt-Low Rise	6	DU	0.14	5,958
Assembly	General Office	40.295	1000bsf	0.93	40,295
Surface Parking Lot	Parking Lot	16.19	acre	16.19	705,200
				66.02	**1,947,550**

Project Location:	Los Angeles County SC
Climate Zone:	9
Operation Year	2030
Land Use Setting	Urban
Utility Company	SCE
Source Receptor Area:	9 - East San Gabriel Valley

Land Uses/Development

Buildings

Land Use	Existing (SF)	Phase 1	Phase 2	Phase 3	Total Remaining
Hospital/Clinic	730,044	30,000		70,500	629,544
Medical Office	186,296	44,500	60,500	13,000	68,296
Research and Development	457,936	23,500	17,500		416,936
Hospitality	18,168		3,500	14,500	168
Industrial	73,909		3,500		70,409
Warehouse	59,244		22,000	26,500	10,744
Housing	5,958				5,958
Assembly	69,295			29,000	40,295
Total	**1,600,850**	**98,000**	**107,000**	**153,500**	**1,242,350**
					#REF!

Surface Parking

Parking Lots	# of Stalls	Removed Phase 3	Net Remaining	Area/Stall (sf)	Total Parking Remaining (sf)
Lot A	153	153	0	400	0
Lot A Ancillary	290		290	400	116,000
Lot B	0		0	400	0
Lot C	142		142	400	56,800
Lot D	389		389	400	155,600
Lot D Ancillary	188		188	400	75,200
Lot E	200		200	400	80,000
Lot F	114		114	400	45,600
Lot G	212		212	400	84,800
2240 Buena Vista	118		118	400	47,200
2144 Buena Vista	0		0	400	0
Population Sciences	62		62	400	24,800
Utah	0		0	400	0
CBG	33		33	400	13,200
Hope Village	9		9	400	3,600
Hospital Zone - Valet East	6		6	400	2,400
Hospital Zone - Valet West	0		0	400	0
Hospital Zone - Personnel Road	0		0	400	0
Hospital Zone - Tree Ln	0		0	400	0
Hospital Zone - Tree Ln Lot	0		0	400	0
Total	**1,916**	**153**	**1,763**		**705,200**

Other

Surface Parking:		acre
Other Asphalt Surface:		acres
Hardscape:		acre
Landscaping:		acres

Trip Generation

*Average Daily Trips:**	7,025	ADTs
*Trip Generation Rate:***	11.16	trips/1000bsf
*Daily Vehicle Miles Traveled:**	100,454	miles
Average Trip Length:	14.30	miles/trip

**Fehr & Peers. 2016, October. Administrative Draft Transportation Impact Study for the City of Hope.*
***For purposes of this analysis, all trips are assigned to the Hospital/Clinic land use.*

Water Use

Land Use	Wastewater (GPD/1000BSF/DU)	Total Wastewater (GPD)	Water Demand (GPD/1000BSF/DU)	Total Water Demand (GPD)
Hospital/Clinic	300	188,863	333	209,638
Medical Office	200	13,659	222	15,162
Research and Development	300	125,081	333	138,840
Hospitality	125	125	139	139
Industrial	25	1,760	28	1,971
Warehouse	25	269	28	301
Housing	253	1,508	281	1,675
Assembly	125	5,037	139	5,601
	Total	**336,302**	**Total**	**373,327**

Water Demand

Average Use Per Day:	373,327	gallons per day (gpd)[1]
Average Use Per Year:	136,264,297	gallons per year (gpy)[2]

Wastewater Generation

Average Use Per Day:	336,302	gpd[3]
Average Use Per Year:	122,750,194	gpy[2]
Total Outdoor:	13,514,103.5	gpy
Total Indoor:	122,750,194	gpy
TOTAL	136,264,297	gpy

CalEEMod Inputs[4]

Land Use	Indoor	Outdoor
Hospital/Clinic	15,343,774	1,689,263
Medical Office	15,343,774	1,689,263
Research and Development	15,343,774	1,689,263
Hospitality	15,343,774	1,689,263
Industrial	15,343,774	1,689,263
Warehouse	15,343,774	1,689,263
Housing	15,343,774	1,689,263
Assembly	15,343,774	1,689,263
Surface Parking Lot	0	0
Total	**122,750,194**	**13,514,103**

[1] KPFF. 2016, August 16. City of Hope Campus Plan: Revised Water Infrastructure and Demand Analysis.

[2] Based on 365 days per year.

[3] KPFF. 2016, August 16. City of Hope Campus Plan: Revised Wastewater Analysis.

[4] For purposes of this analysis, indoor and outdoor water demand are proportioned equally for the different types of land uses.

Solid Waste*

Land Use	Solid Waste Generation Rate (lbs/day/sf)*	Solid Waste Generated Per Day (lbs/day)	Solid Waste Generated Per Day (tpd)	Annual Solid Waste Generated (tpy)
Hospital/Clinic	0.059	37,143.10	18.57	6,779
Medical Office	0.006	409.78	0.20	75
Research and Development	0.013	5,420.17	2.71	989
Hospitality	0.018	3.02	0.00	1
Industrial	0.0132	929.40	0.46	170
Warehouse	0.0142	152.56	0.08	28
Housing	0.006	37.17	0.02	7
Assembly	0.0132	531.89	0.27	97
		44,627	**22**	**8,144**

**See Chapter 5.16, Utilities and Service Systems.*

Electricity (Buildings)

Assumes existing buildings are built to meet the 2005 Building Energy Efficiency Standards.

Solar Generation

Amini Building	372	kWh/yr
Gonda Building	451	kWh/yr
Flash Building	372	kWh/yr
Total	**1,195**	**kWh/yr**

Architectural Coating

Land Use	Land Use Amount (BSF)	CalEEMod Paintable Surface Area Multiplier*	Total Paintable Surface Area (BSF)	Total Paintable Interior Surface Area (BSF)*	Total Paintable Exterior Surface Area (BSF)*
Hospital/Clinic	629,544	2.0	1,259,088	944,316	314,772
Medical Office	68,296	2.0	136,592	102,444	34,148
Research and Development	416,936	2.0	833,872	625,404	208,468
Hospitality	168	2.0	336	252	84
Industrial	70,409	2.0	140,818	105,614	35,205
Warehouse	10,744	2.0	21,488	16,116	5,372
Assembly	40,295	2.0	80,590	60,443	20,148
			Non-Residential Sub-Total	***1,854,588***	***618,196***
Housing	5,958	2.7	16,087	12,065	4,022
Surface Parking Lot	705,200	0.1	42,312	0	42,312

*Based on CalEEMod methodology in calculating the paintable surface areas for a residential and nonresidential building.

CalEEMod Land Use Inputs: Proposed (New Buildings Only)

Type	Land Use Type	Land Use Unit Amount	Land Use Size Metric	Lot Acreage	Land Use Square Feet
Hospital/Clinics	Hospital	670.00	1000bsf	23.40	670,000
Medical Office	Medical Office	130.00	1000bsf	2.38	130,000
Research and Development	Research and Development	241.00	1000bsf	2.17	241,000
Parking Structure	Enclosed Parking Structure w/El	1,200.00	1000bsf	6.76	1,200,000
Hospitality	Hotel	52	room	1.72	75,000
Industrial	General Light Industrial	30.00	1000bsf	1.16	30,000
Data Center	General Industrial	30.00	1000bsf	0.69	30,000
Surface Parking Lot	Parking Lot	11.70	acre	11.70	509,500
				49.98	**2,376,000**

Project Location:	Los Angeles County SC
Climate Zone:	9
Operation Year	2030
Land Use Setting	Urban
Utility Company	SCE
Source Receptor Area:	9 - East San Gabriel Valley

Land Uses/Development

Buildings

Land Uses	Phase 1	Phase 2	Phase 3	Total New
Hospital/Clinics	280,000	210,000	180,000	670,000
Medical Office	60,000		70,000	130,000
Research and Development	180,000	61,000		241,000
Parking Structure	700,000	500,000		1,200,000
Hospitality			75,000	75,000
Industrial		20,000	10,000	30,000
Data Center			30,000	30,000
Totals	**1,220,000**	**791,000**	**365,000**	**2,376,000**

1,988,500

Surface Parking

	Phase 1	Phase 2	Phase 3	Total
Parking Lot Area	279,900	172,900	56,700	509,500

Trip Generation

			Check (Existing Remaining + New)
*Average Daily Trips:**	7,476	ADTs	14,501
*Trip Generation Rate:***	11.16	trips/1000bsf	
			Check (Existing Remaining + New)
*Daily Vehicle Miles Traveled:**	106,910	miles	207,364
Average Trip Length:	14.30	miles/trip	

**Fehr & Peers. 2016, October. Administrative Draft Transportation Impact Study for the City of Hope. Based on the "people" associated with the proposed buildings (existing and buildout)*

***For purposes of this analysis, all trips are assigned to the Hospital/Clinic land use.*

Water Use

Land Use	Wastewater (GPD/1000BSF/DU)	Total Wastewater (GPD)	Water Demand (GPD/1000BSF/DU)	Total Water Demand (GPD)
Hospital/Clinics	300	201,000	333	223,110
Medical Office	200	26,000	222	28,860
Research and Development	300	72,300	333	80,253
Hospitality	125	6,457	139	7,180
Industrial	25	750	28	840
Data Center	25	750	28.00	840
	Total	**307,257**	**Total**	**341,083**

Water Demand			
Average Use Per Day:	341,083	gallons per day (gpd)[1]	714,410
Average Use Per Year:	124,495,205	gallons per year (gpy)[2]	

Wastewater Generation

Average Use Per Day:	307,257	gpd[3]	643,559
Average Use Per Year:	112,148,663	gpy[2]	
Total Outdoor:	12,346,541.3	gpy	
Total Indoor:	112,148,663	gpy	
TOTAL	124,495,205	gpy	

CalEEMod Inputs[4]

Land Use	Indoor	Outdoor
Hospital/Clinics	18,691,444	2,057,757
Medical Office	18,691,444	2,057,757
Research and Development	18,691,444	2,057,757
Hospitality	18,691,444	2,057,757
Industrial	18,691,444	2,057,757
Data Center	18,691,444	2,057,757
Total	**112,148,663**	**12,346,541**

[1] *KPFF. 2016, August 16. City of Hope Campus Plan: Revised Water Infrastructure and Demand Analysis.*

[2] *Based on 365 days per year.*

[3] *KPFF. 2016, August 16. City of Hope Campus Plan: Revised Wastewater Analysis.*

[4] *For purposes of this analysis, indoor and outdoor water demand are proportioned equally for the different types of land uses.*

Solid Waste*

Land Use	Solid Waste Generation Rate (lbs/day/sf)*	Solid Waste Generated Per Day (lbs/day)	Solid Waste Generated Per Day (tpd)	Annual Solid Waste Generated (tpy)	
Hospital/Clinics	0.059	39,530	19.77	7,214	
Medical Office	0.006	780	0.39	142	
Research and Development	0.013	3,133	1.57	572	
Parking Structure	0	0	0.00	0	
Hospitality	0.018	1,350	0.68	246	
Industrial	0.0132	396	0.20	72	
Data Center	0.0132	396	0.20	72	
Surface Parking Lot	0	0	0.00	0	
	Total	**45,585**	**23**	**8,319**	16,464

**See Chapter 5.16, Utilities and Service Systems.*

Electricity (Buildings)

Buildings constructed after January 1, 2017 are required to meet the 2016 Building Energy Efficiency Standards. The 2016 Standards are 5% more energy efficient for non-residential buildings than the 2013 Building Energy Efficiency Standards. For purposes of this analysis, per the City of Hope, the proposed data center assumes a non-Title 24 electricity rate of 800 kWh per square foot per year.

Architectural Coating

Land Use	Land Use Amount (BSF)	CalEEMod Paintable Surface Area Multiplier*	Total Paintable Surface Area (BSF)	Total Paintable Interior Surface Area (BSF)*	Total Paintable Exterior Surface Area (BSF)*
Hospital/Clinics	670,000	2.0	1,340,000	1,005,000	335,000
Medical Office	130,000	2.0	260,000	195,000	65,000
Research and Development	241,000	2.0	482,000	361,500	120,500
Hospitality	75,000	2.0	150,000	112,500	37,500
Industrial	30,000	2.0	60,000	45,000	15,000
Data Center	30,000	2.0	60,000	45,000	15,000
			Non-Residential Sub-Total	***1,764,000***	***588,000***
Surface Parking Lot	509,500	0.06	30,570	0	30,570
Parking Structure	1,200,000	0.06	72,000	0	72,000
			Parking Sub-Total	***0***	***102,570***

*Based on CalEEMod methodology in calculating the paintable surface areas for a residential and nonresidential building.

CalEEMod Land Use Inputs: Full Buildout

Type	Land Use Type	Land Use Unit Amount	Land Use Size Metric	Lot Acreage	Land Use Square Feet
Hospital/Clinics	Hospital	1,299.54	1000bsf	14.12	1,299,544
Medical Office	Medical Office	198.30	1000bsf	14.12	198,296
Research and Development	Research and Development	657.94	1000bsf	14.12	657,936
Hospitality	Hotel	53	room	14.12	75,168
Industrial	General Light Industrial	100.41	1000bsf	2.31	100,409
Warehouse	Unrefrigerated Warehouse-NR	10.74	1000bsf	0.25	10,744
Housing	Apt - Low Rise	7	DU	0.14	5,958
Assembly	General Office	40.30	1000bsf	14.12	40,295
Data Center	General Industrial	30.00	1000bsf	0.69	30,000
Parking Structure	Unenclosed Parking Structure w/Elev	1,200.00	1000bsf	14.12	1,200,000
Surface Parking Lot	Parking Lot	27.89	acre	27.89	1,214,700
				116.00	**4,833,050**

Project Location:	Los Angeles County SC
Climate Zone:	9
Operation Year	2030
Land Use Setting	Urban
Utility Company	SCE
Source Receptor Area:	9 - East San Gabriel Valley

Land Uses/Development

Buildings

Land Use	Existing (SF)	Demolition Per Phase: Phase 1	Phase 2	Phase 3	Total Remaining
Hospital/Clinic	730,044	30,000		70,500	629,544
Medical Office	186,296	44,500	60,500	13,000	68,296
Research and Development	457,936	23,500	17,500		416,936
Hospitality	18,168		3,500	14,500	168
Industrial	73,909		3,500		70,409
Warehouse	59,244		22,000	26,500	10,744
Housing	5,958				5,958
Assembly	69,295			29,000	40,295
Total	**1,600,850**	**98,000**	**107,000**	**153,500**	**1,242,350**
People	6,448				

Land Uses	Total Remaining	New Construction Per Phase: Phase 1	Phase 2	Phase 3	Total New	Total Overall
Hospital/Clinics	629,544	280,000	210,000	180,000	670,000	1,299,544
Medical Office	68,296	60,000		70,000	130,000	198,296
Research and Development	416,936	180,000	61,000	0	241,000	657,936
Hospitality	168	0	0	75,000	75,000	75,168
Industrial	70,409	0	20,000	10,000	30,000	100,409
Warehouse	10,744				0	10,744
Housing	5,958				0	5,958
Assembly	40,295	0	0	0	0	40,295
Parking Structure	0	700,000	500,000	0	1,200,000	1,200,000
Data Center	0	0	0	30,000	30,000	30,000
Totals	**1,242,350**	**1,220,000**	**791,000**	**365,000**	**2,376,000**	**3,618,350**
					Total People	*8,165*
				Net Increase in Building SQFT (excluding Parking Garages)		2,017,500
					Net People	*1,717*

Surface Parking

	Phase 1	Phase 2	Phase 3	New Parking Sub-Total	Remaining Parking	Total Parking
Surface Parking Lot	279,900	172,900	56,700	***509,500***	***705,200***	**1,214,700**

Trip Generation

*Average Daily Trips:**	14,501	ADTs		
*Trip Generation Rate:***	11.16	trips/1000bsf		
			people	**Miles/Person**
*Daily Vehicle Miles Traveled:**	207,364	miles	**8,165**	**25.40**
Average Trip Length:	14.30	miles/trip		

**Fehr & Peers. 2016, October. Administrative Draft Transportation Impact Study for the City of Hope. Based on the "people" associated with the proposed buildings (existing and buildout)*
***For purposes of this analysis, all trips are assigned to the Hospital/Clinic land use.*

Water Use

Land Use	Wastewater (GPD/1000BSF/DU)	Total Wastewater (GPD)	Water Demand (GPD/1000BSF/DU)	Total Water Demand (GPD)
Hospital/Clinics	300	389,863	333	432,748
Medical Office	200	39,659	222	44,022
Research and Development	300	197,381	333	219,093
Hospitality	125	6,582	139	7,319
Industrial	25	2,510	28	2,811
Warehouse	25	269	28	301
Housing	215	1,508	239.29	1,675
Assembly	125	5,037	139	5,601
Data Center	25	750	28	840
	Total	**643,559**	**Total**	**714,410**

Water Demand		
Average Use Per Day:	714,410	gallons per day (gpd)[1]
Average Use Per Year:	260,759,501	gallons per year (gpy)[2]
Wastewater Generation		
Average Use Per Day:	643,559	gpd[3]
Average Use Per Year:	234,898,857	gpy[2]

Total Outdoor:	25,860,644.7	gpy
Total Indoor:	234,898,857	gpy
TOTAL	260,759,501	gpy

CalEEMod Inputs[4]

Land Use	Indoor	Outdoor
Hospital/Clinics	26,099,873	2,873,405
Medical Office	26,099,873	2,873,405
Research and Development	26,099,873	2,873,405
Hospitality	26,099,873	2,873,405
Industrial	26,099,873	2,873,405
Warehouse	26,099,873	2,873,405
Housing	26,099,873	2,873,405
Assembly	26,099,873	2,873,405
Parking Structure		
Data Center	26,099,873	2,873,405
Surface Parking Lot		
Total	**234,898,857**	**25,860,645**

[1] KPFF. 2016, August 16. City of Hope Campus Plan: Revised Water Infrastructure and Demand Analysis.

[2] Based on 365 days per year.

[3] KPFF. 2016, August 16. City of Hope Campus Plan: Revised Wastewater Analysis.

[4] For purposes of this analysis, indoor and outdoor water demand are proportioned equally for the different types of land uses.

Solid Waste*

Land Use	Solid Waste Generation Rate (lbs/day/sf)*	Solid Waste Generated Per Day (lbs/day)	Solid Waste Generated Per Day (tpd)	Annual Solid Waste Generated (tpy)
Hospital/Clinics	0.059	76,673.10	38.34	13,993
Medical Office	0.006	1,189.78	0.59	217
Research and Development	0.013	8,553.17	4.28	1,561
Hospitality	0.018	1,353.02	0.68	247
Industrial	0.0132	1,325.40	0.66	242
Warehouse	0.0142	152.56	0.08	28
Housing	0.006	37.17	0.02	7
Assembly	0.0132	531.89	0.27	97
Data Center	0.0132	396.00	0	72
		90,212	**45**	**16,464**

**See Chapter 5.16, Utilities and Service Systems.*

Electricity (Buildings)

Buildings constructed after January 1, 2017 are required to meet the 2016 Building Energy Efficiency Standards. The 2016 Standards are 5% more energy efficient for non-residential buildings than the 2013 Building Energy Efficiency Standards. The 2013 Standards are 30% more efficient for non-residential buildings than the 2008 Standards. Existing buildings are assumed to meet the 2005 Building Energy Efficiency Standards. For purposes of this analysis, per the City of Hope, the proposed data center assumes a non-Title 24 electricity rate of 800 kWh per square foot per year.

Solar Generation

Amini Building	372	kWh/yr
Gonda Building	451	kWh/yr
Flash Building	372	kWh/yr
Total	**1,195**	**kWh/yr**

Architectural Coating

Land Use	Land Use Amount (BSF)	CalEEMod Paintable Surface Area Multiplier*	Total Paintable Surface Area (BSF)	Total Paintable Interior Surface Area (BSF)*	Total Paintable Exterior Surface Area (BSF)*
Hospital/Clinics	1,299,544	2.0	2,599,088	1,949,316	649,772
Medical Office	198,296	2.0	396,592	297,444	99,148
Research and Development	657,936	2.0	1,315,872	986,904	328,968
Hospitality	75,168	2.0	150,336	112,752	37,584
Industrial	100,409	2.0	200,818	150,614	50,205
Warehouse	10,744	2.0	21,488	16,116	5,372
Assembly	40,295	2.0	80,590	60,443	20,148
Data Center	30,000	2.0	60,000	45,000	15,000
			Non-Residential Sub-Total	***3,618,588***	***1,206,196***
Housing	5,958	2.7	16,087	12,065	4,022
Parking Structure	1,200,000	0.06	72,000	0	72,000
Surface Parking Lot	1,214,700	0.06	72,882	0	72,882
			Parking Sub-Total	***0***	***144,882***

*Based on CalEEMod methodology in calculating the paintable surface areas for a residential and nonresidential building.

Changes to the CalEEMod Defaults - Fleet Mix 2030

Fleet mix is tailored to the proposed development project based on the Annual Average Daily Trips (AADT) identified by CalTrans on Interstate 210 west of Interstate 605.

Commercial Default	LDA		LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH	
FleetMix (Model Default)	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812	100%
Trips	7,860	639	3,055	1,682	199	92	311	500	38	25	77	10	12	14,501
Percent	80%			12%	5%			3%						100%
Proportion	0.675798	0.054927	0.262671	1.000000	0.289618	0.134246	0.451695	1.000000	0.055600	0.036561	0.006604	0.015160	0.017121	
Assumed Mix	92.20%			2.60%	1.15%			4.05%						100.00%
Adjusted with Assumed	0.623085	0.050643	0.242183	0.026012	0.003332	0.001545	0.005197	0.040482	0.000640	0.000421	0.006089	0.000174	0.000197	100%
Trips	9,035	734	3,512	377	48	22	75	587	9	6	88	3	3	14,501

Source: California Department of Transportation. Traffic Census Program: Traffic Counts, Year 2014.Annual Average Daily Traffic. http://traffic-counts.dot.ca.gov/

Total ADT	Total Truck	% Trucks	2	3	4		5+
251000	19578	7.8%	6529	1586	1302	2888	10161
			33%	8%	7%	1%	52%
92.20%			2.60%				4.05%

CalEEMod Land Use Inputs: Existing Remaining

Type	Land Use Type	Land Use Unit Amount	Land Use Size Metric	Lot Acreage	Land Use Square Feet
Hospital/Clinic	Hospital	629.544	1000bsf	9.78	629,544
Medical Office	Medical Office	68.296	1000bsf	9.78	68,296
Research and Development	R&D	387.936	1000bsf	9.78	387,936
Hospitality	Apt-Low Rise	1	room	9.78	168
Industrial	General Light Industrial	70.409	1000bsf	1.62	70,409
Warehouse	Unrefrigerated Warehouse-No Rail	10.744	1000bsf	0.25	10,744
Housing	Apt-Low Rise	6	DU	0.14	5,958
Assembly	General Office	40.295	1000bsf	0.93	40,295
Surface Parking Lot	Parking Lot	7.11	acre	7.11	309,600
				49.14	**1,522,950**

Project Location:	Los Angeles County SC
Climate Zone:	9
Operation Year	2035
Land Use Setting	Urban
Utility Company	SCE
Source Receptor Area:	9 - East San Gabriel Valley

Land Uses/Development

Buildings

Land Use	Existing (SF)	Phase 1	Phase 2	Phase 3	Phase 4	Total Remaining
Hospital/Clinic	730,044	30,000		70,500		629,544
Medical Office	186,296	44,500	60,500	13,000		68,296
Research and Development	457,936	23,500	17,500		29,000	387,936
Hospitality	18,168		3,500	14,500		168
Industrial	73,909		3,500			70,409
Warehouse	59,244		22,000	26,500		10,744
Housing	5,958					5,958
Assembly	69,295			29,000		40,295
Total	**1,600,850**	**98,000**	**107,000**	**153,500**	**29,000**	**1,213,350**

387,500

Surface Parking

Parking Lots	# of Stalls	Removed Phase 4	Net Remaining	Area/Stall (sf)	Total Parking Remaining (sf)
Lot A	0		0	400	0
Lot A Ancillary	290		290	400	116,000
Lot B	0		0	400	0
Lot C	142		142	400	56,800
Lot D	389	389	0	400	0
Lot D Ancillary	188	188	0	400	0
Lot E	200	200	0	400	0
Lot F	114		114	400	45,600
Lot G	212	212	0	400	0
2240 Buena Vista	118		118	400	47,200
2144 Buena Vista	0		0	400	0
Population Sciences	62		62	400	24,800
Utah	0		0	400	0
CBG	33		33	400	13,200
Hope Village	9		9	400	3,600
Hospital Zone - Valet East	6		6	400	2,400
Hospital Zone - Valet West	0		0	400	0
Hospital Zone - Personnel Road	0		0	400	0
Hospital Zone - Tree Ln	0		0	400	0
Hospital Zone - Tree Ln Lot	0		0	400	0
Total	**1,763**	**989**	**774**		**309,600**

Other

Surface Parking:		acre
Other Asphalt Surface:		acres
Hardscape:		acre
Landscaping:		acres

Trip Generation

*Average Daily Trips:**	8,081	ADTs
*Trip Generation Rate:***	12.84	trips/1000bsf
*Daily Vehicle Miles Traveled:**	115,563	miles
Average Trip Length:	14.30	miles/trip

**Fehr & Peers. 2016, October. Administrative Draft Transportation Impact Study for the City of Hope.*
***For purposes of this analysis, all trips are assigned to the Hospital/Clinic land use.*

Water Use

Water Demand		
Average Use Per Day:	457,947	gallons per day (gpd)[1]
Average Use Per Year:	167,150,655	gallons per year (gpy)[2]
Wastewater Generation		
Average Use Per Day:	412,152	gpd[3]
Average Use Per Year:	150,435,480	gpy[2]
Total Outdoor:	16,715,175.0	gpy
Total Indoor:	150,435,480	gpy
TOTAL	167,150,655	gpy

CalEEMod Inputs[4]

Land Use	Indoor	Outdoor
Hospital/Clinic	18,804,435	2,089,397
Medical Office	18,804,435	2,089,397
Research and Development	18,804,435	2,089,397
Hospitality	18,804,435	2,089,397
Industrial	18,804,435	2,089,397
Warehouse	18,804,435	2,089,397
Housing	18,804,435	2,089,397
Assembly	18,804,435	2,089,397
Surface Parking Lot	0	0
Total	**150,435,480**	**16,715,175**

[1] *KPFF. 2016, August 16. City of Hope Campus Plan: Revised Water Infrastructure and Demand Analysis.*

[2] *Based on 365 days per year.*

[3] *KPFF. 2016, August 16. City of Hope Campus Plan: Revised Wastewater Analysis.*

[4] *For purposes of this analysis, indoor and outdoor water demand are proportioned equally for the different types of land uses.*

Solid Waste*

Land Use	Solid Waste Generated Per Day (lbs/day)	Solid Waste Generated Per Day (tpd)	Annual Solid Waste Generated (tpy)
Hospital/Clinic	37,143	18.57	6,779
Medical Office	410	0.21	75
Research and Development	5,043	2.52	920
Hospitality	3	0.00	1
Industrial	929	0.46	170
Warehouse	153	0.08	28
Housing	37	0.02	7
Assembly	532	0.27	97
Surface Parking Lot	0	0	0
	44,251	**22**	**8,076**

**See Chapter 5.16, Utilities and Service Systems.*

Electricity (Buildings)

Assumes existing buildings are built to meet the 2005 Building Energy Efficiency Standards.

Solar Generation

Amini Building	372	kWh/yr
Gonda Building	451	kWh/yr
Flash Building	372	kWh/yr
Total	**1,195**	**kWh/yr**

Architectural Coating

Land Use	Land Use Amount (BSF)	CalEEMod Paintable Surface Area Multiplier*	Total Paintable Surface Area (BSF)	Total Paintable Interior Surface Area (BSF)*	Total Paintable Exterior Surface Area (BSF)*
Hospital/Clinic	629,544	2.0	1,259,088	944,316	314,772
Medical Office	68,296	2.0	136,592	102,444	34,148
Research and Development	387,936	2.0	775,872	581,904	193,968
Hospitality	168	2.0	336	252	84
Industrial	70,409	2.0	140,818	105,614	35,205
Warehouse	10,744	2.0	21,488	16,116	5,372
Assembly	40,295	2.0	80,590	60,443	20,148
			Non-Residential Sub-Total	***1,811,088***	***603,696***
Housing	5,958	2.7	16,087	12,065	4,022
Surface Parking Lot	309,600	0.1	18,576	0	18,576

*Based on CalEEMod methodology in calculating the paintable surface areas for a residential and nonresidential building.

CalEEMod Land Use Inputs: Proposed (New Buildings Only)

Type	Land Use Type	Land Use Unit Amount	Land Use Size Metric	Lot Acreage	Land Use Square Feet
Hospital/Clinics	Hospital	670.00	1000bsf	23.40	670,000
Medical Office	Medical Office	250.00	1000bsf	10.06	250,000
Research and Development	Research and Development	371.00	1000bsf	9.85	371,000
Parking Structure	Enclosed Parking Structure w/El	1,200.00	1000bsf	6.76	1,200,000
Hospitality	Hotel	52	room	1.72	75,000
Industrial	General Light Industrial	30.00	1000bsf	1.16	30,000
Data Center	General Industrial	30.00	1000bsf	0.69	30,000
Surface Parking Lot	Parking Lot	13.22	acre	13.22	575,800
				66.86	**2,626,000**

Project Location:	Los Angeles County SC
Climate Zone:	9
Operation Year	2035
Land Use Setting	Urban
Utility Company	SCE
Source Receptor Area:	9 - East San Gabriel Valley

Land Uses/Development

Buildings

Land Uses	Phase 1	Phase 2	Phase 3	Phase 4	Total New
Hospital/Clinics	280,000	210,000	180,000		670,000
Medical Office	60,000		70,000	120,000	250,000
Research and Development	180,000	61,000		130,000	371,000
Parking Structure	700,000	500,000			1,200,000
Hospitality			75,000		75,000
Industrial		20,000	10,000		30,000
Data Center			30,000		30,000
Totals	**1,220,000**	**791,000**	**365,000**	**250,000**	**2,626,000**

2,238,500

Surface Parking

	Phase 1	Phase 2	Phase 3	Phase 4	Total
Parking Lot Area	279,900	172,900	56,700	66,300	575,800

Trip Generation

			Check (Existing Remaining + New)
*Average Daily Trips:**	8,601	ADTs	16,682
*Trip Generation Rate:***	12.84	trips/1000bsf	
			Check (Existing Remaining + New)
*Daily Vehicle Miles Traveled:**	122,990	miles	238,553
Average Trip Length:	14.30	miles/trip	

**Fehr & Peers. 2016, October. Administrative Draft Transportation Impact Study for the City of Hope. Based on the "people" associated with the proposed buildings (existing and buildout)*

***For purposes of this analysis, all trips are assigned to the Hospital/Clinic land use.*

Water Use

Water Demand		
Average Use Per Day:	321,250	gallons per day (gpd)[1]
Average Use Per Year:	117,256,250	gallons per year (gpy)[2]
Wastewater Generation		
Average Use Per Day:	289,125	gpd[3]
Average Use Per Year:	105,530,625	gpy[2]
Total Outdoor:	11,725,625.0	gpy
Total Indoor:	105,530,625	gpy
TOTAL	117,256,250	gpy

CalEEMod Inputs[4]

Land Use		Indoor	Outdoor
Hospital/Clinics		17,588,438	1,954,271
Medical Office		17,588,438	1,954,271
Research and Development		17,588,438	1,954,271
Parking Structure		0	0
Hospitality		17,588,438	1,954,271
Industrial		17,588,438	1,954,271
Data Center		17,588,438	1,954,271
Surface Parking Lot		0	0
	Total	**105,530,625**	**11,725,625**

[1] *KPFF. 2016, August 16. City of Hope Campus Plan: Revised Water Infrastructure and Demand Analysis.*

[2] *Based on 365 days per year.*

[3] *KPFF. 2016, August 16. City of Hope Campus Plan: Revised Wastewater Analysis.*

[4] *For purposes of this analysis, indoor and outdoor water demand are proportioned equally for the different types of land uses.*

Solid Waste*

Land Use	Solid Waste Generation Rate (lbs/day/sf)*	Solid Waste Generated Per Day (lbs/day)	Solid Waste Generated Per Day (tpd)	Annual Solid Waste Generated (tpy)
Hospital/Clinics	0.059	39,530	19.77	7,214
Medical Office	0.006	1,500	0.75	274
Research and Development	0.013	4,823	2.41	880
Parking Structure	0	0	0.00	0
Hospitality	0.018	1,350	0.68	246
Industrial	0.0132	396	0.20	72
Data Center	0.0132	396	0.20	72
Surface Parking Lot	0	0	0.00	0
	Total	**47,995**	**24**	**8,759**

**See Chapter 5.16, Utilities and Service Systems.*

Electricity (Buildings)

Buildings constructed after January 1, 2017 are required to meet the 2016 Building Energy Efficiency Standards. The 2016 Standards are 5% more energy efficient for non-residential buildings than the 2013 Building Energy Efficiency Standards. For purposes of this analysis, per the City of Hope, the proposed data center assumes a non-Title 24 electricity rate of 800 kWh per square foot per year.

Architectural Coating

Land Use	Land Use Amount (BSF)	CalEEMod Paintable Surface Area Multiplier*	Total Paintable Surface Area (BSF)	Total Paintable Interior Surface Area (BSF)*	Total Paintable Exterior Surface Area (BSF)*
Hospital/Clinics	670,000	2.0	1,340,000	1,005,000	335,000
Medical Office	250,000	2.0	500,000	375,000	125,000
Research and Development	371,000	2.0	742,000	556,500	185,500
Hospitality	75,000	2.0	150,000	112,500	37,500
Industrial	30,000	2.0	60,000	45,000	15,000
Data Center	30,000	2.0	60,000	45,000	15,000
			Non-Residential Sub-Total	***2,139,000***	***713,000***
Surface Parking Lot	575,800	0.06	34,548	0	34,548
Parking Structure	1,200,000	0.06	72,000	0	72,000
			Parking Sub-Total	***0***	***106,548***

*Based on CalEEMod methodology in calculating the paintable surface areas for a residential and nonresidential building.

CalEEMod Land Use Inputs: Full Buildout

Type	Land Use Type	Land Use Unit Amount	Land Use Size Metric	Lot Acreage	Land Use Square Feet	
Hospital/Clinics	Hospital	1,299.54	1000bsf	15.38	1,299,544	
Medical Office	Medical Office	318.30	1000bsf	15.38	318,296	
Research and Development	Research and Development	758.94	1000bsf	15.38	758,936	
Hospitality	Apt - Low Rise	53	room	15.38	75,168	939.6
Industrial	General Light Industrial	100.41	1000bsf	2.31	100,409	
Warehouse	Unrefrigerated Warehouse-NR	10.74	1000bsf	0.25	10,744	
Housing	Apt - Low Rise	7.00	DU	0.14	5,958	
Assembly	General Office	40.30	1000bsf	15.38	40,295	
Data Center	General Industrial	30.00	1000bsf	0.69	30,000	
Parking Structure	Unenclosed Parking Structure w/Elev	0.00	1000bsf	15.38	0	
Surface Parking Lot	Parking Lot	20.33	acre	20.33	885,400	
				116.00	**3,524,750**	

Project Location:	Los Angeles County SC
Climate Zone:	9
Operation Year	2035
Land Use Setting	Urban
Utility Company	SCE
Source Receptor Area:	9 - East San Gabriel Valley

Land Uses/Development

Buildings

Land Use	Existing (SF)	Demolition Per Phase: Phase 1	Phase 2	Phase 3	Phase 4	Total Remaining
Hospital/Clinic	730,044	30,000		70,500		629,544
Medical Office	186,296	44,500	60,500	13,000		68,296
Research and Development	457,936	23,500	17,500		29,000	387,936
Hospitality	18,168		3,500	14,500		168
Industrial	73,909		3,500			70,409
Warehouse	59,244		22,000	26,500		10,744
Housing	5,958					5,958
Assembly	69,295			29,000		40,295
Total	**1,600,850**	**98,000**	**107,000**	**153,500**	**29,000**	**1,213,350**
People	6,448					

Land Uses	Total Remaining	New Construction Per Phase: Phase 1	Phase 2	Phase 3	Phase 4	Total New	Total Overall
Hospital/Clinics	629,544	280,000	210,000	180,000	0	670,000	1,299,544
Medical Office	68,296	60,000		70,000	120,000	250,000	318,296
Research and Development	387,936	180,000	61,000	0	130,000	371,000	758,936
Hospitality	168	0	0	75,000	0	75,000	75,168
Industrial	70,409	0	20,000	10,000	0	30,000	100,409
Warehouse	10,744					0	10,744
Housing	5,958					0	5,958
Assembly	40,295	0	0	0	0	0	40,295
Parking Structure	0			0	0	0	0
Data Center	0	0	0	30,000	0	30,000	30,000
Totals	**1,213,350**	**520,000**	**291,000**	**365,000**	**250,000**	**1,426,000**	**2,639,350**
						Total People	*9,393*
						Net Increase in Building SQFT	1,038,500
						Net People	*2,945*

Surface Parking

	Phase 1	Phase 2	Phase 3	Phase 4	New Parking Sub-Total	Remaining Parking	Total Parking
Surface Parking Lot	279,900	172,900	56,700	66,300	***575,800***	***309,600***	**885,400**

Trip Generation

*Average Daily Trips:**	16,682	ADTs		
*Trip Generation Rate:***	12.84	trips/1000bsf		
			people	**Miles/Person**
*Daily Vehicle Miles Traveled:**	238,553	miles	**9,393**	**25.40**
Average Trip Length:	14.30	miles/trip		

**Fehr & Peers. 2016, October. Administrative Draft Transportation Impact Study for the City of Hope. Based on the "people" associated with the proposed buildings (existing and buildout)*
***For purposes of this analysis, all trips are assigned to the Hospital/Clinic land use.*

Water Use

Water Demand		
Average Use Per Day:	779,197	gallons per day (gpd)[1]
Average Use Per Year:	284,406,905	gallons per year (gpy)[2]
Wastewater Generation		
Average Use Per Day:	701,277	gpd[3]
Average Use Per Year:	255,966,105	gpy[2]
Total Outdoor:	28,440,800.0	gpy
Total Indoor:	255,966,105	gpy
TOTAL	284,406,905	gpy

CalEEMod Inputs[4]

Land Use	Indoor	Outdoor
Hospital/Clinics	28,440,678	3,160,089
Medical Office	28,440,678	3,160,089
Research and Development	28,440,678	3,160,089
Hospitality	28,440,678	3,160,089

Industrial		28,440,678	3,160,089
Warehouse		28,440,678	3,160,089
Housing		28,440,678	3,160,089
Assembly		28,440,678	3,160,089
Parking Structure			
Data Center		28,440,678	3,160,089
Surface Parking Lot			
	Total	**255,966,105**	**28,440,800**

[1] *KPFF. 2016, August 16. City of Hope Campus Plan: Revised Water Infrastructure and Demand Analysis.*

[2] *Based on 365 days per year.*

[3] *KPFF. 2016, August 16. City of Hope Campus Plan: Revised Wastewater Analysis.*

[4] *For purposes of this analysis, indoor and outdoor water demand are proportioned equally for the different types of land uses.*

Solid Waste*

Land Use	Solid Waste Generated Per Day (lbs/day)	Solid Waste Generated Per Day (tpd)	Annual Solid Waste Generated (tpy)
Hospital/Clinics	76,673	38.34	13,993
Medical Office	1,910	0.96	349
Research and Development	9,866	4.93	1,801
Hospitality	1,353	0.68	247
Industrial	1,325	0.66	242
Warehouse	153	0.08	28
Housing	37	0.02	7
Assembly	532	0.27	97
Parking Structure	0	0	0
Data Center	396	0.20	72
Surface Parking Lot	0	0	0
	92,246	**46**	**16,835**

**See Chapter 5.16, Utilities and Service Systems.*

Electricity (Buildings)

Buildings constructed after January 1, 2017 are required to meet the 2016 Building Energy Efficiency Standards. The 2016 Standards are 5% more energy efficient for non-residential buildings than the 2013 Building Energy Efficiency Standards. The 2013 Standards are 30% more efficient for non-residential buildings than the 2008 Standards. Existing buildings are assumed to meet the 2005 Building Energy Efficiency Standards. For purposes of this analysis, per the City of Hope, the proposed data center assumes a non-Title 24 electricity rate of 800 kWh per square foot per year.

Solar Generation

Amini Building	372	kWh/yr
Gonda Building	451	kWh/yr
Flash Building	372	kWh/yr
Total	**1,195**	**kWh/yr**

Architectural Coating

Land Use	Land Use Amount (BSF)	CalEEMod Paintable Surface Area Multiplier*	Total Paintable Surface Area (BSF)	Total Paintable Interior Surface Area (BSF)*	Total Paintable Exterior Surface Area (BSF)*
Hospital/Clinics	1,299,544	2.0	2,599,088	1,949,316	649,772
Medical Office	318,296	2.0	636,592	477,444	159,148
Research and Development	758,936	2.0	1,517,872	1,138,404	379,468
Hospitality	75,168	2.0	150,336	112,752	37,584
Industrial	100,409	2.0	200,818	150,614	50,205
Warehouse	10,744	2.0	21,488	16,116	5,372
Assembly	40,295	2.0	80,590	60,443	20,148
Data Center	30,000	2.0	60,000	45,000	15,000
			Non-Residential Sub-Total	***3,950,088***	***1,316,696***
Housing	5,958	2.7	16,087	12,065	4,022
Parking Structure	0	0.06	0	0	0
Surface Parking Lot	885,400	0.06	53,124	0	53,124
			Parking Sub-Total	***0***	***53,124***

*Based on CalEEMod methodology in calculating the paintable surface areas for a residential and nonresidential building.

Stationary Equipment

*Number of Boilers:**	2	
*Fuel Type:**	*Compressed Natural Gas*	
*Boiler Rating:**	4	MMBtu/hr
*Daily Heat Input Per Boiler:***	131.79	MMBtu/day
*Annual Heat Input Per Boiler:***	49,003	MMBtu/year

** Based on information provided by by LSA.*

*** Based on information provided by by LSA. The daily heat input is the weighted average based on data provided for the three existing boilers currently in operation at the City of Hope central utilities plant. The annual heat input is the annual average based on the data provided.*

Changes to the CalEEMod Defaults - Fleet Mix 2035

Fleet mix is tailored to the proposed development project based on the Annual Average Daily Trips (AADT) identified by CalTrans on Interstate 210 west of Interstate 605.

Commercial Default	LDA		LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH	
FleetMix (Model Default)	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807	100%
Trips	9,006	730	3,518	1,935	223	107	367	609	45	27	89	12	13	16,682
Percent	80%			12%	5%			4%						100%
Proportion	0.674983	0.054692	0.263668	1.000000	0.280422	0.135022	0.461464	1.000000	0.056671	0.034154	0.006657	0.015347	0.016920	
Assumed Mix	92.20%			2.60%	1.15%			4.05%						100.00%
Adjusted with Assumed	0.622334	0.050426	0.243102	0.026012	0.003227	0.001554	0.005310	0.040482	0.000652	0.000393	0.006137	0.000177	0.000195	100%
Trips	10,382	841	4,055	434	54	26	89	675	11	7	102	3	3	16,682

Source: California Department of Transportation. Traffic Census Program: Traffic Counts, Year 2014.Annual Average Daily Traffic. http://traffic-counts.dot.ca.gov/

Total ADT	Total Truck	% Trucks	2	3	4		5+
251000	19578	7.8%	6529	1586	1302	2888	10161
			33%	8%	7%	1%	52%
92.20%			2.60%				4.05%

CalEEMod Construction Run Land Use Inputs: Phase 1

Type	Land Use Type	Land Use Unit Amount	Land Use Size Metric	Lot Acreage	Land Use Square Feet
Hospital	Hospital	280.0	1000bsf	1.86	280,000
Medical Office	Medical Office	60.0000	1000bsf	0.78	60,000
Commercial	Research and Development	180.0000	1000bsf	1.46	180,000
Parking Structure	Parking Structure	1,750.00	space	3.05	700,000
Parking Lot	Parking Lot	6.426	acre	6.43	279,900
				13.57	**1,220,000**

Project Location:	Los Angeles County
Climate Zone:	9
Operation Year	
Land Use Setting	Urban
Utility Company	SCE
Source Receptor Area:	9 - East San Gabriel Valley

Buildings

Land Uses	Phase 1	
Hospital/Clinics	280,000	
Medical Office	60,000	
Research and Development	180,000	520,000
*Parking Structure**	700,000	
Totals	**1,220,000**	

**Based on 1,750 parking stalls and CalEEMod assumed area of 400 square per stall.*

Other

Surface Parking Lot	279,900	SF
Other Asphalt	0	SF
Hardscape	67,628	SF
Landscaping	101,442	SF

**Measured using Google Earth Pro.*

Demolition

Asphalt Demolition Debris Volume:	3,446	tons
Building		
Building Amount Demolition Volume:	98,000	building square feet
*Building Demolition Debris Amount:**	4,508	tons (CalEEMod default)
Total Haul Amount	7,954	tons
Total Haul Trips	786	trip ends (CalEEMod Default)
1-way haul distance	20	miles (CalEEMod Default)
Haul truck capacity	20.23	tons (CalEEMod default)

**Based on CalEEMod conversion factor of 0.046 ton per square feet of building material.*

Soil Haul

*Rough Grading Export Volume**	25,042	CY
Total Haul Trips	3,130	trip ends (CalEEMod Default)
1-way haul distance	20	miles (CalEEMod Default)
Haul truck capacity	16	cubic yards (CalEEMod default)

**Based on information provided by Applicant.*

Architectural Coating

Modeling also assumes a VOC of 100 g/L for interior paints used for non-residential buildings pursuant to SCAQMD Rule 1113

Land Use	Land Use Amount (BSF)	CalEEMod Paintable Surface Area Multiplier*	Total Paintable Surface Area (BSF)	Total Paintable Interior Surface Area (BSF)*	Total Paintable Exterior Surface Area (BSF)*
Hospital	280,000	2.0	560,000	420,000	140,000
Medical Office	60,000	2.0	120,000	90,000	30,000
Research and Development	180,000	2.0	360,000	270,000	90,000
			Subtotal:	***780,000***	***260,000***
Parking Structure	700,000	0.06	42,000	0	42,000
Surface Parking Lot	279,900	0.06	16,794	0	16,794
			Subtotal:	***0***	***58,794***

*Based on CalEEMod methodology in calculating the paintable surface areas for a nonresidential building and surface parking lot.

Construction Phasing

5-Day Work Week

Phase Name*	Start Date	End Date	CalEEMod Days	Total Days
Building Demolition	1/1/2018	3/23/2018	60	**81**
Site Preparation	3/24/2018	5/4/2018	30	**41**
Rough Grading	5/7/2018	7/27/2018	60	**81**
Building Construction	7/28/2018	1/22/2021	650	**909**
Architectural Coating	7/28/2019	12/24/2021	630	**880**
Asphalt Paving	1/23/2021	3/19/2021	40	**55**
			Duration	47.8

*Provided by Applicant.

Construction Equipment Mix: Phase 1*

Equipment	Pieces of Equipment	Hrs Op	HP	LF	Total Days	Worker Trips/ Day	CalEEMod Vendor
Building Demolition						**Default**	**Default+2**
Concrete/Industrial Saws	**1**	8	**81**	**0.40**			
Excavators	**3**	8	**158**	**0.37**			
Rubber Tired Dozers	**2**	8	**247**	**0.40**			
Water truck**	**1**						**2**
Site Preparation						**Default**	**Default+2**
Rubber Tired Dozers	**3**	8	**247**	**0.40**			
Tractors/Loaders/Backhoes	**4**	8	**97**	**0.37**			
Water truck**	**1**						**2**
Rough Grading						**Default**	**Default+2**
Excavators	**2**	8	**158**	**0.38**			
Graders	**1**	8	**157**	**0.41**			
Rubber Tired Dozers	**1**	8	**247**	**0.40**			
Scrapers	**2**	8	**367**				
Tractors/Loaders/Backhoes	**2**	8	**97**	**0.37**			
Water truck	**1**						**2**
Building Construction**						**Default**	**Default**
Cranes	**1**	7	**231**	**0.29**			
Forklifts	**3**	8	**89**	**0.20**			
Generator Sets	**1**	8	**84**	**0.74**			
Tractors/Loaders/Backhoes	**3**	7	**97**	**0.37**			
Welders	**1**	8	**46**	**0.45**			
Asphalt Paving						**Default**	**Default+8**
Pavers	**2**	8	**130**	**0.42**			
Paving Equipment	**2**	8	**132**	**0.36**			
Rollers	**2**	8	**80**	**0.38**			
Architectural Coating						**Default**	**Default**
Air Compressors	**1**	6	**78**	**0.48**			

*Information provided by Applicant.

**Assumes water truck and two trips per day for the water truck.

Pavement Volume to Weight Conversion

Location	Total SF of Area[1]	Assumed Thickness (foot)[2]	Pool Debris Volume (cu. ft)	Weight of Crushed Asphalt (lbs/cf)[3]	AC Mass (lbs)	AC Mass (tons)
Phase 1 S2 Asphalt	232,611	0.33	77,537	89	6,892,178	3446.09
					TOTAL	**3446.09**

[1] As measured on Google Earth based on the proposed project site plan.

[2] *Pavements and Surface Materials* . Nonpoint Education for Municipal Officials, Technical Paper Number 8. University of Conneticut Cooperative Extension System, 1999.

[3] Based on 2,400 pounds per cubic yard. http://www.calrecycle.ca.gov/swfacilities/cdi/Tools/Calculations.htm

CalEEMod Construction Run Land Use Inputs: Phase 2

Type	Land Use Type	Land Use Unit Amount	Land Use Size Metric	Lot Acreage	Land Use Square Feet
Commercial	Hospital	210.0	1000bsf	17.01	210,000
Commercial	Research and Development	61.00	1000bsf	0.70	61,000
Commercial	General Light Industrial	20.00	1000bsf	0.93	20,000
Parking Structure	Parking Structure	1,250.00	space	3.71	500,000
Surface Parking Lot	Parking Lot	3.969	acre	3.97	172,900
				26.33	**291,000**

Project Location:	Los Angeles County
Climate Zone:	9
Operation Year	
Land Use Setting	Urban
Utility Company	SCE
Source Receptor Area:	9 - East San Gabriel Valley

Buildings

Land Uses	Phase 2	
Hospital/Clinics	210,000	
Research and Development	61,000	
Industrial	20,000	291,000
*Parking Structure**	500,000	
Totals	**791,000**	

**Based on 1,250 parking stalls and CalEEMod assumed area of 400 square per stall.*

Other

Research Surface Parking Lot	93,500	SF
Inpatient Surface Parking Lot	79,400	SF
Hardscape	75,280	SF
Landscaping	112,920	SF

Demolition

Asphalt Amount Demolition Volume:	4,767	tons
Building		
Building Amount Demolition Volume:	107,000	building square feet
TotaBuilding	4,922	tons (CalEEMod default)
Total Debris Haul Amount	9,689	tons (CalEEMod default)
Total Haul Trips	958	trip ends (CalEEMod Default)
1-way haul distance	20	miles (CalEEMod Default)
Haul truck capacity	20.23	tons (CalEEMod default)

**Based on CalEEMod conversion factor of 0.046 ton per square feet of building material.*

Soil Haul

*Haul Export Amount:**	11,265	CY
Total Haul Trips	1,408	trip ends (CalEEMod Default)
1-way haul distance	20	miles (CalEEMod Default)
Haul truck capacity	16	cubic yards (CalEEMod default)

**Per the applicant.*

Architectural Coating

Modeling also assumes a VOC of 100 g/L for interior paints used for non-residential buildings pursuant to SCAQMD Rule 1113

Land Use	Land Use Amount (BSF)	CalEEMod Paintable Surface Area Multiplier*	Total Paintable Surface Area (BSF)	Total Paintable Interior Surface Area (BSF)*	Total Paintable Exterior Surface Area (BSF)*
Hospital	210,000	2.0	420,000	315,000	105,000
Research and Development	61,000	2.0	122,000	91,500	30,500
General Light Industrial	20,000	2.0	40,000	30,000	10,000
			Subtotal:	***436,500***	***145,500***
Parking Structure	500,000	0.06	30,000	0	30,000
Surface Parking Structure	172,900	0.06	10,374	0	10,374
			Subtotal:	***0***	***40,374***

*Based on CalEEMod methodology in calculating the paintable surface areas for a nonresidential building and surface parking lot.

Construction Phasing

5-Day Work Week

Schedule

Phase Name*	Start Date	End Date	CalEEMod Days	Total Days
Building Demolition	1/1/2021	3/25/2021	60	**83**
Site Preparation	3/26/2021	5/20/2021	40	**55**
Grading	5/21/2021	8/12/2021	60	**83**
Building Construction	8/13/2021	1/23/2025	900	**1259**
Architectural Coating	8/13/2022	12/26/2025	880	**1231**
Paving	1/24/2025	4/17/2025	60	**83**
			Duration	51.5

Construction Equipment Mix: Phase 2*

Equipment	Pieces of Equipment	Hrs Op	HP	LF	Total Days	Worker Trips/ Day	CalEEMod Vendor
Building Demolition						**Default**	**Default+2**
Concrete/Industrial Saws	**1**	8	**81**	**0.40**			
Excavators	**3**	8	**158**	**0.37**			
Rubber Tired Dozers	**2**	8	**247**				
Water truck**	**1**						**2**
Site Preparation						**Default**	**Default+6**
Rubber Tired Dozers	**3**	8	**247**	**0.40**			
Tractors/Loaders/Backhoes	**4**	8	**97**	**0.37**			
Water truck	**1**						**2**
Rough Grading						**Default**	**Default+2**
Excavators	**2**	8	**158**	**0.38**			
Graders	**1**	8	**187**	**0.41**			
Rubber Tired Dozers	**1**	8	**247**	**0.40**			
Scrapers	**2**	8	**367**	**0.37**			
Tractors/Loaders/Backhoes	**2**	8	**97**				
Water Truck	**1**						**2**
Building Construction**						**Default**	**Default**
Cranes	**1**	7	**231**	**0.29**			
Forklifts	**3**	8	**89**	**0.20**			
Generator Sets	**1**	8	**84**	**0.74**			
Tractors/Loaders/Backhoes	**3**	7	**97**	**0.37**			
Welders	**1**	8	**46**	**0.45**			
Architectural Coating						**Default**	**Default**
Air Compressors	**1**	6	**78**	**0.48**			
Asphalt Paving						**Default**	**Default+8**
Pavers	**2**	8	**130**	**0.42**			
Paving Equipment	**2**	8	**132**	**0.36**			
Rollers	**2**	8	**80**	**0.38**			

*Information provided by Applicant.

**Assumes two trips per day for the water truck.

Pavement Volume to Weight Conversion

Location	Total SF of Area[1]	Assumed Thickness (foot)[2]	Pool Debris Volume (cu. ft)	Weight of Crushed Asphalt (lbs/cf)[3]	AC Mass (lbs)	AC Mass (tons)
Phase 2 Asphalt	321,794	0.33	107,265	89	9,534,637	4767.32
					TOTAL	**4767.32**

[1] As measured on Google Earth based on the proposed project site plan.

[2] *Pavements and Surface Materials* . Nonpoint Education for Municipal Officials, Technical Paper Number 8. University of Conneticut Cooperative Extension System, 1999.

[3] Based on 2,400 pounds per cubic yard. http://www.calrecycle.ca.gov/swfacilities/cdi/Tools/Calculations.htm

CalEEMod Construction Run Land Use Inputs: Phase 3

Type	Land Use Type	Land Use Unit Amount	Land Use Size Metric	Lot Acreage	Land Use Square Feet
Hospital/Clinics	Hospital	180.0	1000bsf	4.53	180,000
Medical Office	Medical Office	70.0	1000bsf	1.61	70,000
Hospitality (hotel)*	Hotel	52.0	room	1.72	75,000
Industrial	General Light Industrial	10.0	1000bsf	0.23	10,000
Data Center	General Heavy Industrial	30.0	1000bsf	0.69	30,000
Surface Parking Lot	Parking Lot	1.302	acre	1.30	56,700
				10.08	**421,700**

Project Location:	Los Angeles County
Climate Zone:	9
Operation Year	
Land Use Setting	Urban
Utility Company	SCE
Source Receptor Area:	9 - East San Gabriel Valley

Buildings

Land Uses	Phase 3 (SF)	Rooms
Hospital/Clinics	180,000	na
Medical Office	70,000	na
*Hospitality (hotel)**	75,000	52
Industrial	10,000	na
Data Center	30,000	na
Totals	**365,000**	**52**

**Number of rooms utilized for modeling purposes and are based on CalEEMod assumption of 1,452 SF per hotel room.*

Other

Industrial Surface Parking Lot	56,700	SF
Hardscape	47,150	SF
Landscaping	70,725	SF

Demolition

Asphalt Amount Demolition Volume:	874	tons
Building		
Building Amount Demolition Volume:	153,500	building square feet
*Building Demolition Debris Amount:**	7,061	tons (CalEEMod default)
Total Haul Amount	7,935	tons
Total Haul Trips	784	trip ends (CalEEMod Default)
1-way haul distance	20	miles (CalEEMod Default)
Haul truck capacity	20.23	tons (CalEEMod default)

**Based on CalEEMod conversion factor of 0.046 ton per square feet of building material.*

Soil Haul

*Export Amount**	1,130	CY
Total Haul Trips	141	trip ends (CalEEMod Default)
1-way haul distance	20	miles (CalEEMod Default)
Haul truck capacity	16	cubic yards (CalEEMod default)

**Provided by the Applicant.*

Architectural Coating

Modeling also assumes a VOC of 100 g/L for interior paints used for non-residential buildings pursuant to SCAQMD Rule 1113

Land Use	Land Use Amount (BSF)	CalEEMod Paintable Surface Area Multiplier*	Total Paintable Surface Area (BSF)	Total Paintable Interior Surface Area (BSF)*	Total Paintable Exterior Surface Area (BSF)*
Hospital/Clinics	180,000	2.0	360,000	270,000	90,000
Medical Office	70,000	2.0	140,000	105,000	35,000
Hospitality (hotel)*	75,000	2.0	150,000	112,500	37,500
Industrial	10,000	2.0	20,000	15,000	5,000
Data Center	30,000	2.0	60,000	45,000	15,000
			Subtotal:	***547,500***	***182,500***
Surface Parking Lot	56,700	0.06	3,402	0	3,402
			Subtotal:	***0***	***3,402***

*Based on CalEEMod methodology in calculating the paintable surface areas for a nonresidential building and surface parking lot.

Construction Phasing

5-Day Work Week

Phase 3 Schedule

Phase Name*	Start Date	End Date	Workdays	Total Days
Building Demolition	1/1/2026	3/25/2026	60	83
Site Preparation	3/26/2026	5/20/2026	40	55
Grading	5/21/2026	8/12/2026	60	83
Building Construction	8/13/2026	1/23/2030	900	1259
Architectural Coating	8/13/2027	12/26/2030	880	1231
Paving	1/24/2030	4/17/2030	60	83
			8	48.8

Construction Equipment Mix: Phase 3*

Equipment	Pieces of Equipment	Hrs Op	HP	LF	Total Days	Worker Trips/ Day	CalEEMod Vendor
Building Demolition						**Default**	**Default+2**
Concrete/Industrial Saws	**1**	8	**81**	**0.40**			
Excavators	**3**	8	**158**	**0.37**			
Rubber Tired Dozers	**2**	8	**247**	**0.40**			
Water truck**	**1**						**2**
Site Preparation						**Default**	**Default+6**
Rubber Tired Dozers	**3**	8	**247**	**0.40**			
Tractors/Loaders/Backhoes	**4**	8	**97**	**0.37**			
Water truck	**1**						**2**
Rough Grading						**Default**	**Default+2**
Excavators	**2**	8	**158**	**0.38**			
Graders	**1**	8	**187**	**0.41**			
Rubber Tired Dozers	**1**	8	**247**	**0.40**			
Scrapers	**2**	8	**367**	**0.48**			
Tractors/Loaders/Backhoes	**2**	8	**97**	**0.37**			
Water truck	**1**						**2**
Building Construction**						**Default**	**Default**
Cranes	**1**	7	**231**	**0.29**			
Forklifts	**3**	8	**89**	**0.20**			
Generator Sets	**1**	8	**84**	**0.74**			
Tractors/Loaders/Backhoes	**3**	7	**97**	**0.37**			
Welders	**1**	8	**46**	**0.45**			
Architectural Coating						**Default**	**Default**
Air Compressors	**1**	6	**78**	**0.48**			
Asphalt Paving						**Default**	**Default+8**
Pavers	**2**	8	**130**	**0.42**			
Paving Equipment	**2**	8	**132**	**0.36**			
Rollers	**2**	8	**80**	**0.38**			

*Information provided by Applicant.

**Assumes two trips per day for the water truck.

Pavement Volume to Weight Conversion

Location	Total SF of Area[1]	Assumed Thickness (foot)[2]	Pool Debris Volume (cu. ft)	Weight of Crushed Asphalt (lbs/cf)[3]	AC Mass (lbs)	AC Mass (tons)
Phase 3 Asphalt	58,986	0.33	19,662	89	1,747,733	873.87
					TOTAL	**873.87**

[1] As measured on Google Earth based on the proposed project site plan.

[2] *Pavements and Surface Materials* . Nonpoint Education for Municipal Officials, Technical Paper Number 8. University of Conneticut Cooperative Extension System, 1999.

[3] Based on 2,400 pounds per cubic yard. http://www.calrecycle.ca.gov/swfacilities/cdi/Tools/Calculations.htm

CalEEMod Construction Run Land Use Inputs: Phase 4

Type	Land Use Type	Land Use Unit Amount	Land Use Size Metric	Lot Acreage	Land Use Square Feet
Medical Office	Medical Office	120.0	1000bsf	7.68	120,000
Research and Development	Research and Development	130.000	1000bsf	7.68	130,000
Surface Parking Lot	Parking Lot	1.522	acre	1.52	66,300
				16.88	**316,300**

Project Location:	Los Angeles County
Climate Zone:	9
Operation Year	
Land Use Setting	Urban
Utility Company	SCE
Source Receptor Area:	9 - East San Gabriel Valley

Buildings

Land Uses	Phase 4
Medical Office	120,000
Research and Development	130,000
Totals	**250,000**

Other

Surface Parking Lot - Research:	66,300	SF
Hardscape:	21,928	SF
Landscaping:	32,892	SF

Demolition

Asphalt Amount Demolition Volume:	4,785	tons
Building		
Building Amount Demolition Volume:	29,000	building square feet
*Total Demolition Debris Amount:**	1,334	tons (CalEEMod default)
Total Haul Amount	6,119	tons
Total Haul Trips	606	trip ends (CalEEMod Default)
1-way haul distance	20	miles (CalEEMod Default)
Haul truck capacity	20.23	tons (CalEEMod default)

**Based on CalEEMod conversion factor of 0.046 ton per square feet of building material.*

Soil Haul

*Import Amount**	907	CY
Total Haul Trips	113	trip ends (CalEEMod Default)
1-way haul distance	20	miles (CalEEMod Default)
Haul truck capacity	16	cubic yards (CalEEMod default)

**Provided by the Applicant.*

Architectural Coating

Modeling also assumes a VOC of 100 g/L for interior paints used for non-residential buildings pursuant to SCAQMD Rule 1113

Land Use	Land Use Amount (BSF)	CalEEMod Paintable Surface Area Multiplier*	Total Paintable Surface Area (BSF)	Total Paintable Interior Surface Area (BSF)*	Total Paintable Exterior Surface Area (BSF)*
Medical Office	120,000	2.0	240,000	180,000	60,000
Research and Development	130,000	2.0	260,000	195,000	65,000
			Subtotal:	***375,000***	***125,000***
Surface Parking Lot	66,300	0.06	3,978	0	3,978
			Subtotal:	***0***	***3,978***

*Based on CalEEMod methodology in calculating the paintable surface areas for a nonresidential building and surface parking lot.

Construction Phasing

5-Day Work Week

CalEEMod Default Schedule

Phase Name*	Start Date	End Date	CalEEMod Days	Total Days
Building Demolition	1/1/2031	3/25/2031	60	**83**
Site Preparation	3/26/2031	5/20/2031	40	**55**
Grading	5/21/2031	8/12/2031	60	**83**
Building Construction	8/13/2031	1/23/2035	900	**1259**
Architectural Coating	8/13/2032	12/27/2035	880	**1231**
Paving	1/24/2035	4/14/2035	58	**80**
			Duration	59.9

Construction Equipment Mix: Phase 4*

Equipment	Pieces of Equipment	Hrs Op	HP	LF	Total Days	Worker Trips/ Day	CalEEMod Vendor
Building Demolition						**Default**	**Default+2**
Concrete/Industrial Saws	**1**	8	**81**	**0.40**			
Excavators	**3**	8	**158**	**0.37**			
Rubber Tired Dozers	**2**	8	**247**	**0.40**			
Water truck**	**1**						**2**
Site Preparation						**Default**	**Default+6**
Rubber Tired Dozers	**3**	8	**247**	**0.40**			
Tractors/Loaders/Backhoes	**4**	8	**97**	**0.37**			
Water truck	**1**						**2**
Rough Grading						**Default**	**Default+2**
Excavators	**2**	8	**158**	**0.38**			
Graders	**1**	8	**187**	**0.41**			
Rubber Tired Dozers	**1**	8	**247**	**0.40**			
Scrapers	**2**	8	**367**	**0.48**			
Tractors/Loaders/Backhoes	**2**	8	**97**	**0.37**			
Water truck	**1**						**2**
Building Construction**						**Default**	**Default**
Cranes	**1**	7	**231**	**0.29**			
Forklifts	**3**	8	**89**	**0.20**			
Generator Sets	**1**	8	**84**	**0.74**			
Tractors/Loaders/Backhoes	**3**	7	**97**	**0.37**			
Welders	**1**	8	**46**	**0.45**			
Architectural Coating						**Default**	**Default**
Air Compressors	**1**	6	**78**	**0.48**			
Asphalt Paving						**Default**	**Default+8**
Pavers	**2**	8	**130**	**0.42**			
Paving Equipment	**2**	8	**132**	**0.36**			
Rollers	**2**	8	**80**	**0.38**			

*Information provided by Applicant.

**Assumes two trips per day for the water truck.

Pavement Volume to Weight Conversion

Location	Total SF of Area[1]	Assumed Thickness (foot)[2]	Pool Debris Volume (cu. ft)	Weight of Crushed Asphalt (lbs/cf)[3]	AC Mass (lbs)	AC Mass (tons)
Phase 4 Asphalt	323,017	0.33	107,672	89	9,570,874	4785.44
					TOTAL	**4785.44**

[1] As measured on Google Earth based on the proposed project site plan.

[2] *Pavements and Surface Materials* . Nonpoint Education for Municipal Officials, Technical Paper Number 8. University of Conneticut Cooperative Extension System, 1999.

[3] Based on 2,400 pounds per cubic yard. http://www.calrecycle.ca.gov/swfacilities/cdi/Tools/Calculations.htm

CalEEMod Output: Construction – Phase 1

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Phase 1 Construction

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	280.00	1000sqft	1.86	280,000.00	0
Medical Office Building	60.00	1000sqft	0.78	60,000.00	0
Research & Development	180.00	1000sqft	1.46	180,000.00	0
Enclosed Parking with Elevator	1,750.00	Space	3.05	700,000.00	0
Parking Lot	6.43	Acre	6.43	279,900.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2020
Utility Company	Austin Energy				
CO2 Intensity (lb/MWhr)	1083.07	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on information provided by the Applicant.

Construction Phase - Based on information provided by the applicant.

Trips and VMT - Assumes 1 water truck and 2 trips per day per truck.

Demolition -

Grading -

Construction Off-road Equipment Mitigation - Per SCAQMD Rules 403 and 1186.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstructionPhase	NumDays	20.00	630.00
tblConstructionPhase	NumDays	300.00	650.00
tblConstructionPhase	NumDays	20.00	60.00
tblConstructionPhase	NumDays	30.00	60.00
tblConstructionPhase	NumDays	20.00	40.00
tblConstructionPhase	NumDays	10.00	30.00
tblConstructionPhase	PhaseEndDate	8/18/2023	12/24/2021
tblConstructionPhase	PhaseEndDate	3/26/2018	3/23/2018
tblConstructionPhase	PhaseEndDate	5/7/2018	5/4/2018
tblConstructionPhase	PhaseStartDate	3/20/2021	7/28/2019
tblConstructionPhase	PhaseStartDate	5/8/2018	5/7/2018
tblConstructionPhase	PhaseStartDate	3/27/2018	3/26/2018
tblFleetMix	FleetMixLandUseSubType	Hospital	Enclosed Parking with Elevator
tblFleetMix	FleetMixLandUseSubType	Medical Office Building	Hospital
tblFleetMix	FleetMixLandUseSubType	Research & Development	Medical Office Building
tblFleetMix	FleetMixLandUseSubType	Enclosed Parking with Elevator	Parking Lot
tblFleetMix	FleetMixLandUseSubType	Parking Lot	Research & Development
tblGrading	MaterialExported	0.00	25,042.00
tblLandUse	BuildingSpaceSquareFeet	280,090.80	279,900.00
tblLandUse	LandUseSquareFeet	280,090.80	279,900.00

tblLandUse	LotAcreage	6.43	1.86
tblLandUse	LotAcreage	1.38	0.78
tblLandUse	LotAcreage	4.13	1.46
tblLandUse	LotAcreage	15.75	3.05
tblProjectCharacteristics	OperationalYear	2018	2020
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00

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					
2018	7.0045	76.7035	57.0401	0.1648	18.2803	2.7016	20.8607	9.9877	2.4879	12.3618	0.0000	16,796.5760	16,796.5760	2.2715	0.0000	16,830.8305
2019	15.2008	53.9317	60.0214	0.1787	9.3322	1.6670	10.9992	2.5107	1.5768	4.0875	0.0000	18,149.7608	18,149.7608	1.3838	0.0000	18,184.3554
2020	14.5147	49.3096	55.9225	0.1757	9.3322	1.4160	10.7482	2.5107	1.3388	3.8495	0.0000	17,811.5419	17,811.5419	1.3178	0.0000	17,844.4881
2021	13.9264	44.8877	52.5892	0.1725	9.3322	1.1642	10.4965	2.5107	1.0998	3.6106	0.0000	17,499.9382	17,499.9382	1.2666	0.0000	17,531.6024
Maximum	**15.2008**	**76.7035**	**60.0214**	**0.1787**	**18.2803**	**2.7016**	**20.8607**	**9.9877**	**2.4879**	**12.3618**	**0.0000**	**18,149.7608**	**18,149.7608**	**2.2715**	**0.0000**	**18,184.3554**

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					
2018	7.0045	76.7035	57.0401	0.1648	7.9208	2.7016	10.5012	4.2983	2.4879	6.6724	0.0000	16,796.5760	16,796.5760	2.2715	0.0000	16,830.8305
2019	15.2008	53.9317	60.0214	0.1787	8.6242	1.6670	10.2912	2.3369	1.5768	3.9137	0.0000	18,149.7608	18,149.7608	1.3838	0.0000	18,184.3554
2020	14.5147	49.3096	55.9225	0.1757	8.6242	1.4160	10.0402	2.3369	1.3388	3.6758	0.0000	17,811.5419	17,811.5419	1.3178	0.0000	17,844.4881
2021	13.9264	44.8877	52.5892	0.1725	8.6243	1.1642	9.7885	2.3369	1.0998	3.4368	0.0000	17,499.9382	17,499.9382	1.2666	0.0000	17,531.6023
Maximum	**15.2008**	**76.7035**	**60.0214**	**0.1787**	**8.6243**	**2.7016**	**10.5012**	**4.2983**	**2.4879**	**6.6724**	**0.0000**	**18,149.7608**	**18,149.7608**	**2.2715**	**0.0000**	**18,184.3554**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**26.98**	**0.00**	**23.51**	**35.45**	**0.00**	**25.98**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2018	3/23/2018	5	60	
2	Site Preparation	Site Preparation	3/26/2018	5/4/2018	5	30	
3	Grading	Grading	5/7/2018	7/27/2018	5	60	
4	Building Construction	Building Construction	7/28/2018	1/22/2021	5	650	
5	Architectural Coating	Architectural Coating	7/28/2019	12/24/2021	5	630	
6	Paving	Paving	1/23/2021	3/19/2021	5	40	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 150

Acres of Paving: 9.48

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 780,000; Non-Residential Outdoor: 260,000; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	2.00	786.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	2.00	3,130.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	578.00	246.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	116.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.8368	0.0000	2.8368	0.4295	0.0000	0.4295			0.0000			0.0000
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048		3,871.7665	3,871.7665	1.0667		3,898.4344

Total	**3.7190**	**38.3225**	**22.3040**	**0.0388**	**2.8368**	**1.9386**	**4.7753**	**0.4295**	**1.8048**	**2.2344**		**3,871.7665**	**3,871.7665**	**1.0667**		**3,898.4344**

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	0.1300	4.2321	0.8757	0.0106	0.2290	0.0161	0.2451	0.0628	0.0154	0.0782		1,147.0551	1,147.0551	0.0790		1,149.0292
Vendor	9.2000e-003	0.2451	0.0670	5.3000e-004	0.0128	1.7300e-003	0.0145	3.6900e-003	1.6500e-003	5.3400e-003		56.3359	56.3359	3.7100e-003		56.4286
Worker	0.0829	0.0625	0.8101	1.8900e-003	0.1677	1.4900e-003	0.1692	0.0445	1.3800e-003	0.0458		188.0535	188.0535	7.0500e-003		188.2298
Total	**0.2221**	**4.5398**	**1.7528**	**0.0130**	**0.4095**	**0.0193**	**0.4288**	**0.1109**	**0.0184**	**0.1294**		**1,391.4444**	**1,391.4444**	**0.0897**		**1,393.6876**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.2127	0.0000	1.2127	0.1836	0.0000	0.1836			0.0000			0.0000
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048	0.0000	3,871.7665	3,871.7665	1.0667		3,898.4344
Total	**3.7190**	**38.3225**	**22.3040**	**0.0388**	**1.2127**	**1.9386**	**3.1513**	**0.1836**	**1.8048**	**1.9885**	**0.0000**	**3,871.7665**	**3,871.7665**	**1.0667**		**3,898.4344**

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	0.1300	4.2321	0.8757	0.0106	0.2134	0.0161	0.2295	0.0590	0.0154	0.0744		1,147.0551	1,147.0551	0.0790		1,149.0292
Vendor	9.2000e-003	0.2451	0.0670	5.3000e-004	0.0120	1.7300e-003	0.0137	3.4800e-003	1.6500e-003	5.1400e-003		56.3359	56.3359	3.7100e-003		56.4286
Worker	0.0829	0.0625	0.8101	1.8900e-003	0.1546	1.4900e-003	0.1560	0.0413	1.3800e-003	0.0426		188.0535	188.0535	7.0500e-003		188.2298
Total	**0.2221**	**4.5398**	**1.7528**	**0.0130**	**0.3800**	**0.0193**	**0.3993**	**0.1037**	**0.0184**	**0.1221**		**1,391.4444**	**1,391.4444**	**0.0897**		**1,393.6876**

3.3 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.6239	3,831.6239	1.1928		3,861.4448
Total	**4.5627**	**48.1988**	**22.4763**	**0.0380**	**18.0663**	**2.5769**	**20.6432**	**9.9307**	**2.3708**	**12.3014**		**3,831.6239**	**3,831.6239**	**1.1928**		**3,861.4448**

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	9.2000e-003	0.2451	0.0670	5.3000e-004	0.0128	1.7300e-003	0.0145	3.6900e-003	1.6500e-003	5.3400e-003		56.3359	56.3359	3.7100e-003		56.4286
Worker	0.0995	0.0751	0.9721	2.2700e-003	0.2012	1.7900e-003	0.2030	0.0534	1.6500e-003	0.0550		225.6642	225.6642	8.4600e-003		225.8758
Total	**0.1087**	**0.3202**	**1.0392**	**2.8000e-003**	**0.2140**	**3.5200e-003**	**0.2175**	**0.0571**	**3.3000e-003**	**0.0604**		**282.0001**	**282.0001**	**0.0122**		**282.3044**

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					7.7233	0.0000	7.7233	4.2454	0.0000	4.2454			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448
Total	**4.5627**	**48.1988**	**22.4763**	**0.0380**	**7.7233**	**2.5769**	**10.3002**	**4.2454**	**2.3708**	**6.6161**	**0.0000**	**3,831.6239**	**3,831.6239**	**1.1928**		**3,861.4448**

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	9.2000e-003	0.2451	0.0670	5.3000e-004	0.0120	1.7300e-003	0.0137	3.4800e-003	1.6500e-003	5.1400e-003		56.3359	56.3359	3.7100e-003		56.4286
Worker	0.0995	0.0751	0.9721	2.2700e-003	0.1855	1.7900e-003	0.1873	0.0495	1.6500e-003	0.0512		225.6642	225.6642	8.4600e-003		225.8758
Total	**0.1087**	**0.3202**	**1.0392**	**2.8000e-003**	**0.1974**	**3.5200e-003**	**0.2010**	**0.0530**	**3.3000e-003**	**0.0563**		**282.0001**	**282.0001**	**0.0122**		**282.3044**

3.4 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.7205	0.0000	8.7205	3.6037	0.0000	3.6037			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230		6,244.4284	6,244.4284	1.9440		6,293.0278
Total	**5.0901**	**59.5218**	**35.0894**	**0.0620**	**8.7205**	**2.6337**	**11.3543**	**3.6037**	**2.4230**	**6.0267**		**6,244.4284**	**6,244.4284**	**1.9440**		**6,293.0278**

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	0.5178	16.8532	3.4872	0.0423	0.9120	0.0641	0.9762	0.2500	0.0613	0.3113		4,567.7893	4,567.7893	0.3145		4,575.6507
Vendor	9.2000e-003	0.2451	0.0670	5.3000e-004	0.0128	1.7300e-003	0.0145	3.6900e-003	1.6500e-003	5.3400e-003		56.3359	56.3359	3.7100e-003		56.4286
Worker	0.1105	0.0834	1.0802	2.5200e-003	0.2236	1.9900e-003	0.2256	0.0593	1.8400e-003	0.0611		250.7380	250.7380	9.4000e-003		250.9731
Total	**0.6375**	**17.1817**	**4.6344**	**0.0453**	**1.1484**	**0.0678**	**1.2162**	**0.3130**	**0.0648**	**0.3778**		**4,874.8632**	**4,874.8632**	**0.3276**		**4,883.0524**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.7280	0.0000	3.7280	1.5406	0.0000	1.5406			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230	0.0000	6,244.4284	6,244.4284	1.9440		6,293.0278
Total	**5.0901**	**59.5218**	**35.0894**	**0.0620**	**3.7280**	**2.6337**	**6.3618**	**1.5406**	**2.4230**	**3.9636**	**0.0000**	**6,244.4284**	**6,244.4284**	**1.9440**		**6,293.0278**

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	0.5178	16.8532	3.4872	0.0423	0.8500	0.0641	0.9141	0.2348	0.0613	0.2961		4,567.7893	4,567.7893	0.3145		4,575.6507
Vendor	9.2000e-003	0.2451	0.0670	5.3000e-004	0.0120	1.7300e-003	0.0137	3.4800e-003	1.6500e-003	5.1400e-003		56.3359	56.3359	3.7100e-003		56.4286
Worker	0.1105	0.0834	1.0802	2.5200e-003	0.2061	1.9900e-003	0.2081	0.0550	1.8400e-003	0.0568		250.7380	250.7380	9.4000e-003		250.9731
Total	**0.6375**	**17.1817**	**4.6344**	**0.0453**	**1.0680**	**0.0678**	**1.1358**	**0.2932**	**0.0648**	**0.3581**		**4,874.8632**	**4,874.8632**	**0.3276**		**4,883.0524**

3.5 Building Construction - 2018

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	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883
Total	**2.6795**	**23.3900**	**17.5804**	**0.0269**		**1.4999**	**1.4999**		**1.4099**	**1.4099**		**2,620.9351**	**2,620.9351**	**0.6421**		**2,636.9883**

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	1.1317	30.1498	8.2434	0.0650	1.5748	0.2125	1.7873	0.4534	0.2033	0.6567		6,929.3136	6,929.3136	0.4563		6,940.7204
Worker	3.1933	2.4098	31.2163	0.0728	6.4607	0.0576	6.5183	1.7134	0.0531	1.7665		7,246.3272	7,246.3272	0.2718		7,253.1219
Total	**4.3251**	**32.5596**	**39.4597**	**0.1379**	**8.0355**	**0.2701**	**8.3056**	**2.1668**	**0.2564**	**2.4232**		**14,175.6409**	**14,175.6409**	**0.7281**		**14,193.8423**

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	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883
Total	**2.6795**	**23.3900**	**17.5804**	**0.0269**		**1.4999**	**1.4999**		**1.4099**	**1.4099**	**0.0000**	**2,620.9351**	**2,620.9351**	**0.6421**		**2,636.9883**

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	1.1317	30.1498	8.2434	0.0650	1.4739	0.2125	1.6863	0.4286	0.2033	0.6319		6,929.3136	6,929.3136	0.4563		6,940.7204

Worker	3.1933	2.4098	31.2163	0.0728	5.9552	0.0576	6.0128	1.5893	0.0531	1.6424		7,246.3272	7,246.3272	0.2718		7,253.1219
Total	**4.3251**	**32.5596**	**39.4597**	**0.1379**	**7.4290**	**0.2701**	**7.6991**	**2.0180**	**0.2564**	**2.2743**		**14,175.6409**	**14,175.6409**	**0.7281**		**14,193.8423**

3.5 Building Construction - 2019

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	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	**2.3612**	**21.0788**	**17.1638**	**0.0269**		**1.2899**	**1.2899**		**1.2127**	**1.2127**		**2,591.5802**	**2,591.5802**	**0.6313**		**2,607.3635**

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	1.0222	28.4695	7.5542	0.0643	1.5749	0.1815	1.7564	0.4534	0.1736	0.6271		6,858.8396	6,858.8396	0.4395		6,869.8280
Worker	2.8874	2.1222	27.8691	0.0704	6.4607	0.0557	6.5164	1.7134	0.0513	1.7647		7,010.8677	7,010.8677	0.2408		7,016.8880

Total	**3.9097**	**30.5916**	**35.4232**	**0.1347**	**8.0355**	**0.2372**	**8.2728**	**2.1668**	**0.2250**	**2.3918**		**13,869.7073**	**13,869.7073**	**0.6803**		**13,886.7160**

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	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	**2.3612**	**21.0788**	**17.1638**	**0.0269**		**1.2899**	**1.2899**		**1.2127**	**1.2127**	**0.0000**	**2,591.5802**	**2,591.5802**	**0.6313**		**2,607.3635**

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	1.0222	28.4695	7.5542	0.0643	1.4739	0.1815	1.6554	0.4286	0.1736	0.6023		6,858.8396	6,858.8396	0.4395		6,869.8280
Worker	2.8874	2.1222	27.8691	0.0704	5.9552	0.0557	6.0109	1.5893	0.0513	1.6407		7,010.8677	7,010.8677	0.2408		7,016.8880
Total	**3.9097**	**30.5916**	**35.4232**	**0.1347**	**7.4290**	**0.2372**	**7.6663**	**2.0180**	**0.2250**	**2.2429**		**13,869.7073**	**13,869.7073**	**0.6803**		**13,886.7160**

3.5 Building Construction - 2020

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	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**2.1198**	**19.1860**	**16.8485**	**0.0269**		**1.1171**	**1.1171**		**1.0503**	**1.0503**		**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

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	0.8749	26.1676	6.8562	0.0638	1.5749	0.1232	1.6981	0.4534	0.1178	0.5713		6,814.8075	6,814.8075	0.4159		6,825.2040
Worker	2.6600	1.8923	25.3074	0.0683	6.4607	0.0540	6.5147	1.7134	0.0498	1.7632		6,797.9324	6,797.9324	0.2143		6,803.2905
Total	**3.5349**	**28.0599**	**32.1636**	**0.1321**	**8.0356**	**0.1772**	**8.2127**	**2.1668**	**0.1676**	**2.3344**		**13,612.7399**	**13,612.7399**	**0.6302**		**13,628.4945**

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	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**2.1198**	**19.1860**	**16.8485**	**0.0269**		**1.1171**	**1.1171**		**1.0503**	**1.0503**	**0.0000**	**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

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	0.8749	26.1676	6.8562	0.0638	1.4739	0.1232	1.5971	0.4287	0.1178	0.5465		6,814.8075	6,814.8075	0.4159		6,825.2040
Worker	2.6600	1.8923	25.3074	0.0683	5.9552	0.0540	6.0092	1.5893	0.0498	1.6391		6,797.9324	6,797.9324	0.2143		6,803.2905
Total	**3.5349**	**28.0599**	**32.1636**	**0.1321**	**7.4291**	**0.1772**	**7.6063**	**2.0180**	**0.1676**	**2.1855**		**13,612.7399**	**13,612.7399**	**0.6302**		**13,628.4945**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**		**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

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	0.7477	23.8840	6.2439	0.0633	1.5749	0.0488	1.6238	0.4535	0.0467	0.5002		6,762.0635	6,762.0635	0.3984		6,772.0228
Worker	2.4776	1.7030	23.2803	0.0661	6.4607	0.0522	6.5129	1.7134	0.0481	1.7615		6,582.0898	6,582.0898	0.1939		6,586.9383
Total	**3.2254**	**25.5870**	**29.5242**	**0.1293**	**8.0356**	**0.1010**	**8.1367**	**2.1669**	**0.0948**	**2.2617**		**13,344.1533**	**13,344.1533**	**0.5923**		**13,358.9611**

Mitigated Construction On-Site

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

Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**	**0.0000**	**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

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	0.7477	23.8840	6.2439	0.0633	1.4739	0.0488	1.5228	0.4287	0.0467	0.4754		6,762.0635	6,762.0635	0.3984		6,772.0228
Worker	2.4776	1.7030	23.2803	0.0661	5.9552	0.0522	6.0074	1.5893	0.0481	1.6374		6,582.0898	6,582.0898	0.1939		6,586.9383
Total	**3.2254**	**25.5870**	**29.5242**	**0.1293**	**7.4291**	**0.1010**	**7.5302**	**2.0180**	**0.0948**	**2.1128**		**13,344.1533**	**13,344.1533**	**0.5923**		**13,358.9611**

3.6 Architectural Coating - 2019

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	8.0840					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	**8.3504**	**1.8354**	**1.8413**	**2.9700e-003**		**0.1288**	**0.1288**		**0.1288**	**0.1288**		**281.4481**	**281.4481**	**0.0238**		**282.0423**

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	0.0000	0.0000	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	0.5795	0.4259	5.5931	0.0141	1.2966	0.0112	1.3078	0.3439	0.0103	0.3542		1,407.0253	1,407.0253	0.0483		1,408.2336
Total	**0.5795**	**0.4259**	**5.5931**	**0.0141**	**1.2966**	**0.0112**	**1.3078**	**0.3439**	**0.0103**	**0.3542**		**1,407.0253**	**1,407.0253**	**0.0483**		**1,408.2336**

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	8.0840					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	**8.3504**	**1.8354**	**1.8413**	**2.9700e-003**		**0.1288**	**0.1288**		**0.1288**	**0.1288**	**0.0000**	**281.4481**	**281.4481**	**0.0238**		**282.0423**

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	0.0000	0.0000	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	0.5795	0.4259	5.5931	0.0141	1.1952	0.0112	1.2063	0.3190	0.0103	0.3293		1,407.0253	1,407.0253	0.0483		1,408.2336
Total	**0.5795**	**0.4259**	**5.5931**	**0.0141**	**1.1952**	**0.0112**	**1.2063**	**0.3190**	**0.0103**	**0.3293**		**1,407.0253**	**1,407.0253**	**0.0483**		**1,408.2336**

3.6 Architectural Coating - 2020

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	8.0840					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928

Total	**8.3262**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**		**281.4481**	**281.4481**	**0.0218**		**281.9928**

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	0.0000	0.0000	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	0.5338	0.3798	5.0790	0.0137	1.2966	0.0108	1.3075	0.3439	9.9900e-003	0.3539		1,364.2909	1,364.2909	0.0430		1,365.3663
Total	**0.5338**	**0.3798**	**5.0790**	**0.0137**	**1.2966**	**0.0108**	**1.3075**	**0.3439**	**9.9900e-003**	**0.3539**		**1,364.2909**	**1,364.2909**	**0.0430**		**1,365.3663**

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	8.0840					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
Total	**8.3262**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**	**0.0000**	**281.4481**	**281.4481**	**0.0218**		**281.9928**

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	0.0000	0.0000	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	0.5338	0.3798	5.0790	0.0137	1.1952	0.0108	1.2060	0.3190	9.9900e-003	0.3290		1,364.2909	1,364.2909	0.0430		1,365.3663
Total	**0.5338**	**0.3798**	**5.0790**	**0.0137**	**1.1952**	**0.0108**	**1.2060**	**0.3190**	**9.9900e-003**	**0.3290**		**1,364.2909**	**1,364.2909**	**0.0430**		**1,365.3663**

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.0840					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	**8.3029**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.9309**

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	0.0000	0.0000	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	0.4972	0.3418	4.6722	0.0133	1.2966	0.0105	1.3071	0.3439	9.6500e-003	0.3535		1,320.9730	1,320.9730	0.0389		1,321.9461
Total	**0.4972**	**0.3418**	**4.6722**	**0.0133**	**1.2966**	**0.0105**	**1.3071**	**0.3439**	**9.6500e-003**	**0.3535**		**1,320.9730**	**1,320.9730**	**0.0389**		**1,321.9461**

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	8.0840					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	**8.3029**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.9309**

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	0.0000	0.0000	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	0.4972	0.3418	4.6722	0.0133	1.1952	0.0105	1.2056	0.3190	9.6500e-003	0.3286		1,320.9730	1,320.9730	0.0389		1,321.9461
Total	**0.4972**	**0.3418**	**4.6722**	**0.0133**	**1.1952**	**0.0105**	**1.2056**	**0.3190**	**9.6500e-003**	**0.3286**		**1,320.9730**	**1,320.9730**	**0.0389**		**1,321.9461**

3.7 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.4212					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.6767**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**		**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

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	0.0000	0.0000	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	0.0643	0.0442	0.6042	1.7100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		170.8155	170.8155	5.0300e-003		170.9413
Total	**0.0643**	**0.0442**	**0.6042**	**1.7100e-003**	**0.1677**	**1.3500e-003**	**0.1690**	**0.0445**	**1.2500e-003**	**0.0457**		**170.8155**	**170.8155**	**5.0300e-003**		**170.9413**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.4212					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.6767**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**	**0.0000**	**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

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	0.0000	0.0000	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	0.0643	0.0442	0.6042	1.7100e-003	0.1546	1.3500e-003	0.1559	0.0413	1.2500e-003	0.0425		170.8155	170.8155	5.0300e-003		170.9413
Total	**0.0643**	**0.0442**	**0.6042**	**1.7100e-003**	**0.1546**	**1.3500e-003**	**0.1559**	**0.0413**	**1.2500e-003**	**0.0425**		**170.8155**	**170.8155**	**5.0300e-003**		**170.9413**

Phase 1 Construction

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	280.00	1000sqft	1.86	280,000.00	0
Medical Office Building	60.00	1000sqft	0.78	60,000.00	0
Research & Development	180.00	1000sqft	1.46	180,000.00	0
Enclosed Parking with Elevator	1,750.00	Space	3.05	700,000.00	0
Parking Lot	6.43	Acre	6.43	279,900.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2020
Utility Company	Austin Energy				
CO2 Intensity (lb/MWhr)	1083.07	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on information provided by the Applicant.

Construction Phase - Based on information provided by the applicant.

Trips and VMT - Assumes 1 water truck and 2 trips per day per truck.

Demolition -

Grading -

Construction Off-road Equipment Mitigation - Per SCAQMD Rules 403 and 1186.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstructionPhase	NumDays	20.00	630.00
tblConstructionPhase	NumDays	300.00	650.00
tblConstructionPhase	NumDays	20.00	60.00
tblConstructionPhase	NumDays	30.00	60.00
tblConstructionPhase	NumDays	20.00	40.00
tblConstructionPhase	NumDays	10.00	30.00
tblConstructionPhase	PhaseEndDate	8/18/2023	12/24/2021
tblConstructionPhase	PhaseEndDate	3/26/2018	3/23/2018
tblConstructionPhase	PhaseEndDate	5/7/2018	5/4/2018
tblConstructionPhase	PhaseStartDate	3/20/2021	7/28/2019
tblConstructionPhase	PhaseStartDate	5/8/2018	5/7/2018
tblConstructionPhase	PhaseStartDate	3/27/2018	3/26/2018
tblFleetMix	FleetMixLandUseSubType	Hospital	Enclosed Parking with Elevator
tblFleetMix	FleetMixLandUseSubType	Medical Office Building	Hospital
tblFleetMix	FleetMixLandUseSubType	Research & Development	Medical Office Building
tblFleetMix	FleetMixLandUseSubType	Enclosed Parking with Elevator	Parking Lot
tblFleetMix	FleetMixLandUseSubType	Parking Lot	Research & Development
tblGrading	MaterialExported	0.00	25,042.00
tblLandUse	BuildingSpaceSquareFeet	280,090.80	279,900.00
tblLandUse	LandUseSquareFeet	280,090.80	279,900.00

tblLandUse	LotAcreage	6.43	1.86
tblLandUse	LotAcreage	1.38	0.78
tblLandUse	LotAcreage	4.13	1.46
tblLandUse	LotAcreage	15.75	3.05
tblProjectCharacteristics	OperationalYear	2018	2020
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00

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					
2018	7.3932	76.9438	55.3837	0.1588	18.2803	2.7028	20.8607	9.9877	2.4891	12.3618	0.0000	16,188.7507	16,188.7507	2.2836	0.0000	16,223.3890
2019	15.6209	54.2436	58.0395	0.1721	9.3322	1.6700	11.0022	2.5107	1.5796	4.0903	0.0000	17,472.8330	17,472.8330	1.3966	0.0000	17,507.7476
2020	14.9072	49.5477	54.0717	0.1691	9.3322	1.4180	10.7501	2.5107	1.3407	3.8514	0.0000	17,148.4556	17,148.4556	1.3301	0.0000	17,181.7087
2021	14.2979	45.0570	50.8566	0.1661	9.3322	1.1658	10.4980	2.5107	1.1013	3.6120	0.0000	16,852.9344	16,852.9344	1.2789	0.0000	16,884.9062
Maximum	**15.6209**	**76.9438**	**58.0395**	**0.1721**	**18.2803**	**2.7028**	**20.8607**	**9.9877**	**2.4891**	**12.3618**	**0.0000**	**17,472.8330**	**17,472.8330**	**2.2836**	**0.0000**	**17,507.7476**

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					
2018	7.3932	76.9438	55.3837	0.1588	7.9208	2.7028	10.5012	4.2983	2.4891	6.6724	0.0000	16,188.7507	16,188.7507	2.2836	0.0000	16,223.3889
2019	15.6209	54.2436	58.0395	0.1721	8.6242	1.6700	10.2942	2.3369	1.5796	3.9165	0.0000	17,472.8330	17,472.8330	1.3966	0.0000	17,507.7476
2020	14.9072	49.5477	54.0717	0.1691	8.6242	1.4180	10.0422	2.3369	1.3407	3.6776	0.0000	17,148.4556	17,148.4556	1.3301	0.0000	17,181.7087
2021	14.2979	45.0570	50.8566	0.1661	8.6243	1.1658	9.7901	2.3369	1.1013	3.4383	0.0000	16,852.9344	16,852.9344	1.2789	0.0000	16,884.9062
Maximum	**15.6209**	**76.9438**	**58.0395**	**0.1721**	**8.6243**	**2.7028**	**10.5012**	**4.2983**	**2.4891**	**6.6724**	**0.0000**	**17,472.8330**	**17,472.8330**	**2.2836**	**0.0000**	**17,507.7476**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**26.98**	**0.00**	**23.50**	**35.45**	**0.00**	**25.97**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2018	3/23/2018	5	60	
2	Site Preparation	Site Preparation	3/26/2018	5/4/2018	5	30	
3	Grading	Grading	5/7/2018	7/27/2018	5	60	
4	Building Construction	Building Construction	7/28/2018	1/22/2021	5	650	
5	Architectural Coating	Architectural Coating	7/28/2019	12/24/2021	5	630	
6	Paving	Paving	1/23/2021	3/19/2021	5	40	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 150

Acres of Paving: 9.48

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 780,000; Non-Residential Outdoor: 260,000; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	2.00	786.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	2.00	3,130.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	578.00	246.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	116.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.8368	0.0000	2.8368	0.4295	0.0000	0.4295			0.0000			0.0000
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048		3,871.7665	3,871.7665	1.0667		3,898.4344

Total	**3.7190**	**38.3225**	**22.3040**	**0.0388**	**2.8368**	**1.9386**	**4.7753**	**0.4295**	**1.8048**	**2.2344**		**3,871.7665**	**3,871.7665**	**1.0667**		**3,898.4344**

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	0.1333	4.2901	0.9368	0.0104	0.2290	0.0164	0.2454	0.0628	0.0157	0.0785		1,127.8617	1,127.8617	0.0821		1,129.9129
Vendor	9.5900e-003	0.2457	0.0737	5.1000e-004	0.0128	1.7500e-003	0.0146	3.6900e-003	1.6800e-003	5.3700e-003		54.8300	54.8300	3.9600e-003		54.9289
Worker	0.0917	0.0693	0.7459	1.7800e-003	0.1677	1.4900e-003	0.1692	0.0445	1.3800e-003	0.0458		177.0864	177.0864	6.6600e-003		177.2530
Total	**0.2346**	**4.6050**	**1.7564**	**0.0127**	**0.4095**	**0.0197**	**0.4292**	**0.1109**	**0.0188**	**0.1297**		**1,359.7781**	**1,359.7781**	**0.0927**		**1,362.0948**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.2127	0.0000	1.2127	0.1836	0.0000	0.1836			0.0000			0.0000
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048	0.0000	3,871.7665	3,871.7665	1.0667		3,898.4344
Total	**3.7190**	**38.3225**	**22.3040**	**0.0388**	**1.2127**	**1.9386**	**3.1513**	**0.1836**	**1.8048**	**1.9885**	**0.0000**	**3,871.7665**	**3,871.7665**	**1.0667**		**3,898.4344**

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	0.1333	4.2901	0.9368	0.0104	0.2134	0.0164	0.2299	0.0590	0.0157	0.0747		1,127.8617	1,127.8617	0.0821		1,129.9129
Vendor	9.5900e-003	0.2457	0.0737	5.1000e-004	0.0120	1.7500e-003	0.0137	3.4800e-003	1.6800e-003	5.1600e-003		54.8300	54.8300	3.9600e-003		54.9289
Worker	0.0917	0.0693	0.7459	1.7800e-003	0.1546	1.4900e-003	0.1560	0.0413	1.3800e-003	0.0426		177.0864	177.0864	6.6600e-003		177.2530
Total	**0.2346**	**4.6050**	**1.7564**	**0.0127**	**0.3800**	**0.0197**	**0.3996**	**0.1037**	**0.0188**	**0.1224**		**1,359.7781**	**1,359.7781**	**0.0927**		**1,362.0948**

3.3 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.6239	3,831.6239	1.1928		3,861.4448
Total	**4.5627**	**48.1988**	**22.4763**	**0.0380**	**18.0663**	**2.5769**	**20.6432**	**9.9307**	**2.3708**	**12.3014**		**3,831.6239**	**3,831.6239**	**1.1928**		**3,861.4448**

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	9.5900e-003	0.2457	0.0737	5.1000e-004	0.0128	1.7500e-003	0.0146	3.6900e-003	1.6800e-003	5.3700e-003		54.8300	54.8300	3.9600e-003		54.9289
Worker	0.1101	0.0831	0.8951	2.1400e-003	0.2012	1.7900e-003	0.2030	0.0534	1.6500e-003	0.0550		212.5037	212.5037	8.0000e-003		212.7036
Total	**0.1197**	**0.3288**	**0.9688**	**2.6500e-003**	**0.2140**	**3.5400e-003**	**0.2176**	**0.0571**	**3.3300e-003**	**0.0604**		**267.3336**	**267.3336**	**0.0120**		**267.6325**

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					7.7233	0.0000	7.7233	4.2454	0.0000	4.2454			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448
Total	**4.5627**	**48.1988**	**22.4763**	**0.0380**	**7.7233**	**2.5769**	**10.3002**	**4.2454**	**2.3708**	**6.6161**	**0.0000**	**3,831.6239**	**3,831.6239**	**1.1928**		**3,861.4448**

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	9.5900e-003	0.2457	0.0737	5.1000e-004	0.0120	1.7500e-003	0.0137	3.4800e-003	1.6800e-003	5.1600e-003		54.8300	54.8300	3.9600e-003		54.9289
Worker	0.1101	0.0831	0.8951	2.1400e-003	0.1855	1.7900e-003	0.1873	0.0495	1.6500e-003	0.0512		212.5037	212.5037	8.0000e-003		212.7036
Total	**0.1197**	**0.3288**	**0.9688**	**2.6500e-003**	**0.1974**	**3.5400e-003**	**0.2010**	**0.0530**	**3.3300e-003**	**0.0563**		**267.3336**	**267.3336**	**0.0120**		**267.6325**

3.4 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.7205	0.0000	8.7205	3.6037	0.0000	3.6037			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230		6,244.4284	6,244.4284	1.9440		6,293.0278
Total	**5.0901**	**59.5218**	**35.0894**	**0.0620**	**8.7205**	**2.6337**	**11.3543**	**3.6037**	**2.4230**	**6.0267**		**6,244.4284**	**6,244.4284**	**1.9440**		**6,293.0278**

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	0.5309	17.0840	3.7305	0.0416	0.9120	0.0654	0.9774	0.2500	0.0625	0.3125		4,491.3578	4,491.3578	0.3267		4,499.5259
Vendor	9.5900e-003	0.2457	0.0737	5.1000e-004	0.0128	1.7500e-003	0.0146	3.6900e-003	1.6800e-003	5.3700e-003		54.8300	54.8300	3.9600e-003		54.9289
Worker	0.1223	0.0923	0.9945	2.3700e-003	0.2236	1.9900e-003	0.2256	0.0593	1.8400e-003	0.0611		236.1152	236.1152	8.8900e-003		236.3373
Total	**0.6628**	**17.4220**	**4.7988**	**0.0445**	**1.1484**	**0.0691**	**1.2175**	**0.3130**	**0.0661**	**0.3790**		**4,782.3030**	**4,782.3030**	**0.3396**		**4,790.7921**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.7280	0.0000	3.7280	1.5406	0.0000	1.5406			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230	0.0000	6,244.4284	6,244.4284	1.9440		6,293.0278
Total	**5.0901**	**59.5218**	**35.0894**	**0.0620**	**3.7280**	**2.6337**	**6.3618**	**1.5406**	**2.4230**	**3.9636**	**0.0000**	**6,244.4284**	**6,244.4284**	**1.9440**		**6,293.0278**

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	0.5309	17.0840	3.7305	0.0416	0.8500	0.0654	0.9153	0.2348	0.0625	0.2973		4,491.3578	4,491.3578	0.3267		4,499.5259
Vendor	9.5900e-003	0.2457	0.0737	5.1000e-004	0.0120	1.7500e-003	0.0137	3.4800e-003	1.6800e-003	5.1600e-003		54.8300	54.8300	3.9600e-003		54.9289
Worker	0.1223	0.0923	0.9945	2.3700e-003	0.2061	1.9900e-003	0.2081	0.0550	1.8400e-003	0.0568		236.1152	236.1152	8.8900e-003		236.3373
Total	**0.6628**	**17.4220**	**4.7988**	**0.0445**	**1.0680**	**0.0691**	**1.1371**	**0.2932**	**0.0661**	**0.3593**		**4,782.3030**	**4,782.3030**	**0.3396**		**4,790.7921**

3.5 Building Construction - 2018

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	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883
Total	**2.6795**	**23.3900**	**17.5804**	**0.0269**		**1.4999**	**1.4999**		**1.4099**	**1.4099**		**2,620.9351**	**2,620.9351**	**0.6421**		**2,636.9883**

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	1.1793	30.2175	9.0611	0.0633	1.5748	0.2159	1.7907	0.4534	0.2065	0.6599		6,744.0865	6,744.0865	0.4866		6,756.2515
Worker	3.5344	2.6687	28.7422	0.0686	6.4607	0.0576	6.5183	1.7134	0.0531	1.7665		6,823.7291	6,823.7291	0.2568		6,830.1492
Total	**4.7137**	**32.8862**	**37.8033**	**0.1319**	**8.0355**	**0.2735**	**8.3090**	**2.1668**	**0.2596**	**2.4264**		**13,567.8156**	**13,567.8156**	**0.7434**		**13,586.4007**

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	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883
Total	**2.6795**	**23.3900**	**17.5804**	**0.0269**		**1.4999**	**1.4999**		**1.4099**	**1.4099**	**0.0000**	**2,620.9351**	**2,620.9351**	**0.6421**		**2,636.9883**

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	1.1793	30.2175	9.0611	0.0633	1.4739	0.2159	1.6897	0.4286	0.2065	0.6351		6,744.0865	6,744.0865	0.4866		6,756.2515

Worker	3.5344	2.6687	28.7422	0.0686	5.9552	0.0576	6.0128	1.5893	0.0531	1.6424		6,823.7291	6,823.7291	0.2568		6,830.1492
Total	**4.7137**	**32.8862**	**37.8033**	**0.1319**	**7.4290**	**0.2735**	**7.7025**	**2.0180**	**0.2596**	**2.2776**		**13,567.8156**	**13,567.8156**	**0.7434**		**13,586.4007**

3.5 Building Construction - 2019

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	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	**2.3612**	**21.0788**	**17.1638**	**0.0269**		**1.2899**	**1.2899**		**1.2127**	**1.2127**		**2,591.5802**	**2,591.5802**	**0.6313**		**2,607.3635**

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	1.0661	28.5077	8.3266	0.0626	1.5749	0.1845	1.7593	0.4534	0.1765	0.6299		6,673.4169	6,673.4169	0.4688		6,685.1370
Worker	3.2008	2.3501	25.5751	0.0663	6.4607	0.0557	6.5164	1.7134	0.0513	1.7647		6,601.5161	6,601.5161	0.2271		6,607.1936

Total	**4.2669**	**30.8577**	**33.9017**	**0.1289**	**8.0355**	**0.2402**	**8.2757**	**2.1668**	**0.2278**	**2.3947**		**13,274.9330**	**13,274.9330**	**0.6959**		**13,292.3306**

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	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	**2.3612**	**21.0788**	**17.1638**	**0.0269**		**1.2899**	**1.2899**		**1.2127**	**1.2127**	**0.0000**	**2,591.5802**	**2,591.5802**	**0.6313**		**2,607.3635**

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	1.0661	28.5077	8.3266	0.0626	1.4739	0.1845	1.6584	0.4286	0.1765	0.6051		6,673.4169	6,673.4169	0.4688		6,685.1370
Worker	3.2008	2.3501	25.5751	0.0663	5.9552	0.0557	6.0109	1.5893	0.0513	1.6407		6,601.5161	6,601.5161	0.2271		6,607.1936
Total	**4.2669**	**30.8577**	**33.9017**	**0.1289**	**7.4290**	**0.2402**	**7.6692**	**2.0180**	**0.2278**	**2.2458**		**13,274.9330**	**13,274.9330**	**0.6959**		**13,292.3306**

3.5 Building Construction - 2020

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	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**2.1198**	**19.1860**	**16.8485**	**0.0269**		**1.1171**	**1.1171**		**1.0503**	**1.0503**		**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

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	0.9147	26.1622	7.5617	0.0621	1.5749	0.1251	1.7000	0.4534	0.1197	0.5731		6,628.4470	6,628.4470	0.4432		6,639.5280
Worker	2.9537	2.0951	23.1784	0.0643	6.4607	0.0540	6.5147	1.7134	0.0498	1.7632		6,400.8898	6,400.8898	0.2018		6,405.9336
Total	**3.8684**	**28.2573**	**30.7401**	**0.1264**	**8.0356**	**0.1791**	**8.2147**	**2.1668**	**0.1695**	**2.3363**		**13,029.3368**	**13,029.3368**	**0.6450**		**13,045.4616**

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	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**2.1198**	**19.1860**	**16.8485**	**0.0269**		**1.1171**	**1.1171**		**1.0503**	**1.0503**	**0.0000**	**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

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	0.9147	26.1622	7.5617	0.0621	1.4739	0.1251	1.5990	0.4287	0.1197	0.5483		6,628.4470	6,628.4470	0.4432		6,639.5280
Worker	2.9537	2.0951	23.1784	0.0643	5.9552	0.0540	6.0092	1.5893	0.0498	1.6391		6,400.8898	6,400.8898	0.2018		6,405.9336
Total	**3.8684**	**28.2573**	**30.7401**	**0.1264**	**7.4291**	**0.1791**	**7.6082**	**2.0180**	**0.1695**	**2.1874**		**13,029.3368**	**13,029.3368**	**0.6450**		**13,045.4616**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**		**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

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	0.7850	23.8346	6.9069	0.0616	1.5749	0.0504	1.6253	0.4535	0.0482	0.5017		6,576.6999	6,576.6999	0.4246		6,587.3142
Worker	2.7560	1.8851	21.2852	0.0622	6.4607	0.0522	6.5129	1.7134	0.0481	1.7615		6,197.6113	6,197.6113	0.1824		6,202.1706
Total	**3.5410**	**25.7198**	**28.1921**	**0.1238**	**8.0356**	**0.1026**	**8.1382**	**2.1669**	**0.0963**	**2.2631**		**12,774.3112**	**12,774.3112**	**0.6069**		**12,789.4848**

Mitigated Construction On-Site

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

Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**	**0.0000**	**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

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	0.7850	23.8346	6.9069	0.0616	1.4739	0.0504	1.5243	0.4287	0.0482	0.4769		6,576.6999	6,576.6999	0.4246		6,587.3142
Worker	2.7560	1.8851	21.2852	0.0622	5.9552	0.0522	6.0074	1.5893	0.0481	1.6374		6,197.6113	6,197.6113	0.1824		6,202.1706
Total	**3.5410**	**25.7198**	**28.1921**	**0.1238**	**7.4291**	**0.1026**	**7.5317**	**2.0180**	**0.0963**	**2.1143**		**12,774.3112**	**12,774.3112**	**0.6069**		**12,789.4848**

3.6 Architectural Coating - 2019

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	8.0840					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	**8.3504**	**1.8354**	**1.8413**	**2.9700e-003**		**0.1288**	**0.1288**		**0.1288**	**0.1288**		**281.4481**	**281.4481**	**0.0238**		**282.0423**

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	0.0000	0.0000	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	0.6424	0.4716	5.1327	0.0133	1.2966	0.0112	1.3078	0.3439	0.0103	0.3542		1,324.8717	1,324.8717	0.0456		1,326.0112
Total	**0.6424**	**0.4716**	**5.1327**	**0.0133**	**1.2966**	**0.0112**	**1.3078**	**0.3439**	**0.0103**	**0.3542**		**1,324.8717**	**1,324.8717**	**0.0456**		**1,326.0112**

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	8.0840					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	**8.3504**	**1.8354**	**1.8413**	**2.9700e-003**		**0.1288**	**0.1288**		**0.1288**	**0.1288**	**0.0000**	**281.4481**	**281.4481**	**0.0238**		**282.0423**

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	0.0000	0.0000	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	0.6424	0.4716	5.1327	0.0133	1.1952	0.0112	1.2063	0.3190	0.0103	0.3293		1,324.8717	1,324.8717	0.0456		1,326.0112
Total	**0.6424**	**0.4716**	**5.1327**	**0.0133**	**1.1952**	**0.0112**	**1.2063**	**0.3190**	**0.0103**	**0.3293**		**1,324.8717**	**1,324.8717**	**0.0456**		**1,326.0112**

3.6 Architectural Coating - 2020

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	8.0840					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928

Total	**8.3262**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**		**281.4481**	**281.4481**	**0.0218**		**281.9928**

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	0.0000	0.0000	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	0.5928	0.4205	4.6517	0.0129	1.2966	0.0108	1.3075	0.3439	9.9900e-003	0.3539		1,284.6077	1,284.6077	0.0405		1,285.6199
Total	**0.5928**	**0.4205**	**4.6517**	**0.0129**	**1.2966**	**0.0108**	**1.3075**	**0.3439**	**9.9900e-003**	**0.3539**		**1,284.6077**	**1,284.6077**	**0.0405**		**1,285.6199**

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	8.0840					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
Total	**8.3262**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**	**0.0000**	**281.4481**	**281.4481**	**0.0218**		**281.9928**

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	0.0000	0.0000	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	0.5928	0.4205	4.6517	0.0129	1.1952	0.0108	1.2060	0.3190	9.9900e-003	0.3290		1,284.6077	1,284.6077	0.0405		1,285.6199
Total	**0.5928**	**0.4205**	**4.6517**	**0.0129**	**1.1952**	**0.0108**	**1.2060**	**0.3190**	**9.9900e-003**	**0.3290**		**1,284.6077**	**1,284.6077**	**0.0405**		**1,285.6199**

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.0840					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	**8.3029**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.9309**

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	0.0000	0.0000	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	0.5531	0.3783	4.2718	0.0125	1.2966	0.0105	1.3071	0.3439	9.6500e-003	0.3535		1,243.8113	1,243.8113	0.0366		1,244.7263
Total	**0.5531**	**0.3783**	**4.2718**	**0.0125**	**1.2966**	**0.0105**	**1.3071**	**0.3439**	**9.6500e-003**	**0.3535**		**1,243.8113**	**1,243.8113**	**0.0366**		**1,244.7263**

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	8.0840					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	**8.3029**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.9309**

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	0.0000	0.0000	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	0.5531	0.3783	4.2718	0.0125	1.1952	0.0105	1.2056	0.3190	9.6500e-003	0.3286		1,243.8113	1,243.8113	0.0366		1,244.7263
Total	**0.5531**	**0.3783**	**4.2718**	**0.0125**	**1.1952**	**0.0105**	**1.2056**	**0.3190**	**9.6500e-003**	**0.3286**		**1,243.8113**	**1,243.8113**	**0.0366**		**1,244.7263**

3.7 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.4212					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.6767**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**		**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

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	0.0000	0.0000	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	0.0715	0.0489	0.5524	1.6100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		160.8377	160.8377	4.7300e-003		160.9560
Total	**0.0715**	**0.0489**	**0.5524**	**1.6100e-003**	**0.1677**	**1.3500e-003**	**0.1690**	**0.0445**	**1.2500e-003**	**0.0457**		**160.8377**	**160.8377**	**4.7300e-003**		**160.9560**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.4212					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.6767**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**	**0.0000**	**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

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	0.0000	0.0000	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	0.0715	0.0489	0.5524	1.6100e-003	0.1546	1.3500e-003	0.1559	0.0413	1.2500e-003	0.0425		160.8377	160.8377	4.7300e-003		160.9560
Total	**0.0715**	**0.0489**	**0.5524**	**1.6100e-003**	**0.1546**	**1.3500e-003**	**0.1559**	**0.0413**	**1.2500e-003**	**0.0425**		**160.8377**	**160.8377**	**4.7300e-003**		**160.9560**

Phase 1 Construction

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	280.00	1000sqft	1.86	280,000.00	0
Medical Office Building	60.00	1000sqft	0.78	60,000.00	0
Research & Development	180.00	1000sqft	1.46	180,000.00	0
Enclosed Parking with Elevator	1,750.00	Space	3.05	700,000.00	0
Parking Lot	6.43	Acre	6.43	279,900.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2020
Utility Company	Austin Energy				
CO2 Intensity (lb/MWhr)	1083.07	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on information provided by the Applicant.

Construction Phase - Based on information provided by the applicant.

Trips and VMT - Assumes 1 water truck and 2 trips per day per truck.

Demolition -

Grading -

Construction Off-road Equipment Mitigation - Per SCAQMD Rules 403 and 1186.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstructionPhase	NumDays	20.00	630.00
tblConstructionPhase	NumDays	300.00	650.00
tblConstructionPhase	NumDays	20.00	60.00
tblConstructionPhase	NumDays	30.00	60.00
tblConstructionPhase	NumDays	20.00	40.00
tblConstructionPhase	NumDays	10.00	30.00
tblConstructionPhase	PhaseEndDate	8/18/2023	12/24/2021
tblConstructionPhase	PhaseEndDate	3/26/2018	3/23/2018
tblConstructionPhase	PhaseEndDate	5/7/2018	5/4/2018
tblConstructionPhase	PhaseStartDate	3/20/2021	7/28/2019
tblConstructionPhase	PhaseStartDate	5/8/2018	5/7/2018
tblConstructionPhase	PhaseStartDate	3/27/2018	3/26/2018
tblFleetMix	FleetMixLandUseSubType	Hospital	Enclosed Parking with Elevator
tblFleetMix	FleetMixLandUseSubType	Medical Office Building	Hospital
tblFleetMix	FleetMixLandUseSubType	Research & Development	Medical Office Building
tblFleetMix	FleetMixLandUseSubType	Enclosed Parking with Elevator	Parking Lot
tblFleetMix	FleetMixLandUseSubType	Parking Lot	Research & Development
tblGrading	MaterialExported	0.00	25,042.00
tblLandUse	BuildingSpaceSquareFeet	280,090.80	279,900.00
tblLandUse	LandUseSquareFeet	280,090.80	279,900.00

tblLandUse	LotAcreage	6.43	1.86
tblLandUse	LotAcreage	1.38	0.78
tblLandUse	LotAcreage	4.13	1.46
tblLandUse	LotAcreage	15.75	3.05
tblProjectCharacteristics	OperationalYear	2018	2020
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	0.7508	7.4973	5.3583	0.0143	1.1043	0.2768	1.3811	0.4015	0.2575	0.6590	0.0000	1,326.2600	1,326.2600	0.1790	0.0000	1,330.7346
2019	1.3220	6.9875	7.0994	0.0215	1.0999	0.2073	1.3072	0.2968	0.1956	0.4924	0.0000	1,986.8543	1,986.8543	0.1592	0.0000	1,990.8345
2020	1.9050	6.5645	7.1347	0.0225	1.1992	0.1856	1.3848	0.3232	0.1755	0.4987	0.0000	2,065.9856	2,065.9856	0.1567	0.0000	2,069.9042
2021	1.2027	0.8537	1.4587	3.7200e-003	0.2291	0.0355	0.2645	0.0611	0.0338	0.0949	0.0000	335.2988	335.2988	0.0284	0.0000	336.0087
Maximum	**1.9050**	**7.4973**	**7.1347**	**0.0225**	**1.1992**	**0.2768**	**1.3848**	**0.4015**	**0.2575**	**0.6590**	**0.0000**	**2,065.9856**	**2,065.9856**	**0.1790**	**0.0000**	**2,069.9042**

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					
2018	0.7508	7.4973	5.3583	0.0143	0.7143	0.2768	0.9911	0.2380	0.2575	0.4955	0.0000	1,326.2594	1,326.2594	0.1790	0.0000	1,330.7341
2019	1.3220	6.9875	7.0994	0.0215	1.0170	0.2073	1.2243	0.2765	0.1956	0.4720	0.0000	1,986.8539	1,986.8539	0.1592	0.0000	1,990.8341
2020	1.9050	6.5645	7.1347	0.0225	1.1086	0.1856	1.2942	0.3009	0.1755	0.4764	0.0000	2,065.9852	2,065.9852	0.1567	0.0000	2,069.9038
2021	1.2027	0.8537	1.4587	3.7200e-003	0.2114	0.0355	0.2468	0.0568	0.0338	0.0905	0.0000	335.2987	335.2987	0.0284	0.0000	336.0086
Maximum	**1.9050**	**7.4973**	**7.1347**	**0.0225**	**1.1086**	**0.2768**	**1.2942**	**0.3009**	**0.2575**	**0.4955**	**0.0000**	**2,065.9852**	**2,065.9852**	**0.1790**	**0.0000**	**2,069.9038**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**16.00**	**0.00**	**13.40**	**19.44**	**0.00**	**12.06**	**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	**1-1-2018**	**3-31-2018**	1.4870	1.4870
2	**4-1-2018**	**6-30-2018**	2.2651	2.2651
3	**7-1-2018**	**9-30-2018**	2.2563	2.2563
4	**10-1-2018**	**12-31-2018**	2.0920	2.0920
5	**1-1-2019**	**3-31-2019**	1.8824	1.8824
6	**4-1-2019**	**6-30-2019**	1.8831	1.8831
7	**7-1-2019**	**9-30-2019**	2.1636	2.1636
8	**10-1-2019**	**12-31-2019**	2.2955	2.2955
9	**1-1-2020**	**3-31-2020**	2.0948	2.0948
10	**4-1-2020**	**6-30-2020**	2.0743	2.0743

11	**7-1-2020**	**9-30-2020**	2.0971	2.0971
12	**10-1-2020**	**12-31-2020**	2.1178	2.1178
13	**1-1-2021**	**3-31-2021**	1.0220	1.0220
14	**4-1-2021**	**6-30-2021**	0.3467	0.3467
15	**7-1-2021**	**9-30-2021**	0.3505	0.3505
		Highest	2.2955	2.2955

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2018	3/23/2018	5	60	
2	Site Preparation	Site Preparation	3/26/2018	5/4/2018	5	30	
3	Grading	Grading	5/7/2018	7/27/2018	5	60	
4	Building Construction	Building Construction	7/28/2018	1/22/2021	5	650	
5	Architectural Coating	Architectural Coating	7/28/2019	12/24/2021	5	630	
6	Paving	Paving	1/23/2021	3/19/2021	5	40	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 150

Acres of Paving: 9.48

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 780,000; Non-Residential Outdoor: 260,000; Striped Parking

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38

Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	2.00	786.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	2.00	3,130.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	578.00	246.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	116.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 2018

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					0.0851	0.0000	0.0851	0.0129	0.0000	0.0129	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1116	1.1497	0.6691	1.1600e-003		0.0582	0.0582		0.0541	0.0541	0.0000	105.3722	105.3722	0.0290	0.0000	106.0980
Total	**0.1116**	**1.1497**	**0.6691**	**1.1600e-003**	**0.0851**	**0.0582**	**0.1433**	**0.0129**	**0.0541**	**0.0670**	**0.0000**	**105.3722**	**105.3722**	**0.0290**	**0.0000**	**106.0980**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.9400e-003	0.1313	0.0271	3.2000e-004	6.7500e-003	4.9000e-004	7.2400e-003	1.8500e-003	4.7000e-004	2.3200e-003	0.0000	30.9983	30.9983	2.1900e-003	0.0000	31.0530
Vendor	2.8000e-004	7.5100e-003	2.1100e-003	2.0000e-005	3.8000e-004	5.0000e-005	4.3000e-004	1.1000e-004	5.0000e-005	1.6000e-004	0.0000	1.5160	1.5160	1.0000e-004	0.0000	1.5186
Worker	2.4900e-003	2.1300e-003	0.0229	5.0000e-005	4.9300e-003	4.0000e-005	4.9800e-003	1.3100e-003	4.0000e-005	1.3500e-003	0.0000	4.8996	4.8996	1.8000e-004	0.0000	4.9042
Total	**6.7100e-003**	**0.1409**	**0.0521**	**3.9000e-004**	**0.0121**	**5.8000e-004**	**0.0127**	**3.2700e-003**	**5.6000e-004**	**3.8300e-003**	**0.0000**	**37.4139**	**37.4139**	**2.4700e-003**	**0.0000**	**37.4758**

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					0.0364	0.0000	0.0364	5.5100e-003	0.0000	5.5100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1116	1.1497	0.6691	1.1600e-003		0.0582	0.0582		0.0541	0.0541	0.0000	105.3721	105.3721	0.0290	0.0000	106.0979
Total	**0.1116**	**1.1497**	**0.6691**	**1.1600e-003**	**0.0364**	**0.0582**	**0.0945**	**5.5100e-003**	**0.0541**	**0.0597**	**0.0000**	**105.3721**	**105.3721**	**0.0290**	**0.0000**	**106.0979**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.9400e-003	0.1313	0.0271	3.2000e-004	6.3000e-003	4.9000e-004	6.7800e-003	1.7400e-003	4.7000e-004	2.2100e-003	0.0000	30.9983	30.9983	2.1900e-003	0.0000	31.0530
Vendor	2.8000e-004	7.5100e-003	2.1100e-003	2.0000e-005	3.5000e-004	5.0000e-005	4.1000e-004	1.0000e-004	5.0000e-005	1.5000e-004	0.0000	1.5160	1.5160	1.0000e-004	0.0000	1.5186
Worker	2.4900e-003	2.1300e-003	0.0229	5.0000e-005	4.5500e-003	4.0000e-005	4.5900e-003	1.2200e-003	4.0000e-005	1.2600e-003	0.0000	4.8996	4.8996	1.8000e-004	0.0000	4.9042
Total	**6.7100e-003**	**0.1409**	**0.0521**	**3.9000e-004**	**0.0112**	**5.8000e-004**	**0.0118**	**3.0600e-003**	**5.6000e-004**	**3.6200e-003**	**0.0000**	**37.4139**	**37.4139**	**2.4700e-003**	**0.0000**	**37.4758**

3.3 Site Preparation - 2018

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					0.2710	0.0000	0.2710	0.1490	0.0000	0.1490	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0684	0.7230	0.3371	5.7000e-004		0.0387	0.0387		0.0356	0.0356	0.0000	52.1399	52.1399	0.0162	0.0000	52.5457
Total	**0.0684**	**0.7230**	**0.3371**	**5.7000e-004**	**0.2710**	**0.0387**	**0.3096**	**0.1490**	**0.0356**	**0.1845**	**0.0000**	**52.1399**	**52.1399**	**0.0162**	**0.0000**	**52.5457**

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	1.4000e-004	3.7600e-003	1.0600e-003	1.0000e-005	1.9000e-004	3.0000e-005	2.2000e-004	5.0000e-005	2.0000e-005	8.0000e-005	0.0000	0.7580	0.7580	5.0000e-005	0.0000	0.7593
Worker	1.5000e-003	1.2800e-003	0.0138	3.0000e-005	2.9600e-003	3.0000e-005	2.9900e-003	7.9000e-004	2.0000e-005	8.1000e-004	0.0000	2.9398	2.9398	1.1000e-004	0.0000	2.9425
Total	**1.6400e-003**	**5.0400e-003**	**0.0148**	**4.0000e-005**	**3.1500e-003**	**6.0000e-005**	**3.2100e-003**	**8.4000e-004**	**4.0000e-005**	**8.9000e-004**	**0.0000**	**3.6978**	**3.6978**	**1.6000e-004**	**0.0000**	**3.7018**

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					0.1159	0.0000	0.1159	0.0637	0.0000	0.0637	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0684	0.7230	0.3371	5.7000e-004		0.0387	0.0387		0.0356	0.0356	0.0000	52.1398	52.1398	0.0162	0.0000	52.5456
Total	**0.0684**	**0.7230**	**0.3371**	**5.7000e-004**	**0.1159**	**0.0387**	**0.1545**	**0.0637**	**0.0356**	**0.0992**	**0.0000**	**52.1398**	**52.1398**	**0.0162**	**0.0000**	**52.5456**

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	1.4000e-004	3.7600e-003	1.0600e-003	1.0000e-005	1.8000e-004	3.0000e-005	2.0000e-004	5.0000e-005	2.0000e-005	8.0000e-005	0.0000	0.7580	0.7580	5.0000e-005	0.0000	0.7593
Worker	1.5000e-003	1.2800e-003	0.0138	3.0000e-005	2.7300e-003	3.0000e-005	2.7500e-003	7.3000e-004	2.0000e-005	7.5000e-004	0.0000	2.9398	2.9398	1.1000e-004	0.0000	2.9425
Total	**1.6400e-003**	**5.0400e-003**	**0.0148**	**4.0000e-005**	**2.9100e-003**	**6.0000e-005**	**2.9500e-003**	**7.8000e-004**	**4.0000e-005**	**8.3000e-004**	**0.0000**	**3.6978**	**3.6978**	**1.6000e-004**	**0.0000**	**3.7018**

3.4 Grading - 2018

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					0.2616	0.0000	0.2616	0.1081	0.0000	0.1081	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1527	1.7857	1.0527	1.8600e-003		0.0790	0.0790		0.0727	0.0727	0.0000	169.9455	169.9455	0.0529	0.0000	171.2682
Total	**0.1527**	**1.7857**	**1.0527**	**1.8600e-003**	**0.2616**	**0.0790**	**0.3406**	**0.1081**	**0.0727**	**0.1808**	**0.0000**	**169.9455**	**169.9455**	**0.0529**	**0.0000**	**171.2682**

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	0.0157	0.5227	0.1078	1.2600e-003	0.0269	1.9400e-003	0.0288	7.3900e-003	1.8600e-003	9.2400e-003	0.0000	123.4412	123.4412	8.7100e-003	0.0000	123.6589
Vendor	2.8000e-004	7.5100e-003	2.1100e-003	2.0000e-005	3.8000e-004	5.0000e-005	4.3000e-004	1.1000e-004	5.0000e-005	1.6000e-004	0.0000	1.5160	1.5160	1.0000e-004	0.0000	1.5186
Worker	3.3200e-003	2.8400e-003	0.0306	7.0000e-005	6.5700e-003	6.0000e-005	6.6300e-003	1.7500e-003	6.0000e-005	1.8000e-003	0.0000	6.5328	6.5328	2.5000e-004	0.0000	6.5389
Total	**0.0193**	**0.5330**	**0.1405**	**1.3500e-003**	**0.0338**	**2.0500e-003**	**0.0359**	**9.2500e-003**	**1.9700e-003**	**0.0112**	**0.0000**	**131.4900**	**131.4900**	**9.0600e-003**	**0.0000**	**131.7164**

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					0.1118	0.0000	0.1118	0.0462	0.0000	0.0462	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1527	1.7857	1.0527	1.8600e-003		0.0790	0.0790		0.0727	0.0727	0.0000	169.9453	169.9453	0.0529	0.0000	171.2680
Total	**0.1527**	**1.7857**	**1.0527**	**1.8600e-003**	**0.1118**	**0.0790**	**0.1909**	**0.0462**	**0.0727**	**0.1189**	**0.0000**	**169.9453**	**169.9453**	**0.0529**	**0.0000**	**171.2680**

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	0.0157	0.5227	0.1078	1.2600e-003	0.0251	1.9400e-003	0.0270	6.9400e-003	1.8600e-003	8.7900e-003	0.0000	123.4412	123.4412	8.7100e-003	0.0000	123.6589
Vendor	2.8000e-004	7.5100e-003	2.1100e-003	2.0000e-005	3.5000e-004	5.0000e-005	4.1000e-004	1.0000e-004	5.0000e-005	1.5000e-004	0.0000	1.5160	1.5160	1.0000e-004	0.0000	1.5186
Worker	3.3200e-003	2.8400e-003	0.0306	7.0000e-005	6.0600e-003	6.0000e-005	6.1200e-003	1.6200e-003	6.0000e-005	1.6800e-003	0.0000	6.5328	6.5328	2.5000e-004	0.0000	6.5389
Total	**0.0193**	**0.5330**	**0.1405**	**1.3500e-003**	**0.0315**	**2.0500e-003**	**0.0335**	**8.6600e-003**	**1.9700e-003**	**0.0106**	**0.0000**	**131.4900**	**131.4900**	**9.0600e-003**	**0.0000**	**131.7164**

3.5 Building Construction - 2018

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	0.1487	1.2982	0.9757	1.4900e-003		0.0832	0.0832		0.0783	0.0783	0.0000	131.9608	131.9608	0.0323	0.0000	132.7691
Total	**0.1487**	**1.2982**	**0.9757**	**1.4900e-003**		**0.0832**	**0.0832**		**0.0783**	**0.0783**	**0.0000**	**131.9608**	**131.9608**	**0.0323**	**0.0000**	**132.7691**

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	0.0640	1.7098	0.4807	3.5700e-003	0.0860	0.0119	0.0979	0.0248	0.0114	0.0362	0.0000	344.9655	344.9655	0.0237	0.0000	345.5570
Worker	0.1778	0.1521	1.6355	3.8700e-003	0.3515	3.2000e-003	0.3547	0.0934	2.9500e-003	0.0963	0.0000	349.2745	349.2745	0.0131	0.0000	349.6028
Total	**0.2417**	**1.8619**	**2.1162**	**7.4400e-003**	**0.4375**	**0.0151**	**0.4526**	**0.1182**	**0.0143**	**0.1325**	**0.0000**	**694.2400**	**694.2400**	**0.0368**	**0.0000**	**695.1598**

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	0.1487	1.2981	0.9757	1.4900e-003		0.0832	0.0832		0.0783	0.0783	0.0000	131.9607	131.9607	0.0323	0.0000	132.7689
Total	**0.1487**	**1.2981**	**0.9757**	**1.4900e-003**		**0.0832**	**0.0832**		**0.0783**	**0.0783**	**0.0000**	**131.9607**	**131.9607**	**0.0323**	**0.0000**	**132.7689**

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	0.0640	1.7098	0.4807	3.5700e-003	0.0805	0.0119	0.0924	0.0235	0.0114	0.0348	0.0000	344.9655	344.9655	0.0237	0.0000	345.5570
Worker	0.1778	0.1521	1.6355	3.8700e-003	0.3241	3.2000e-003	0.3273	0.0866	2.9500e-003	0.0896	0.0000	349.2745	349.2745	0.0131	0.0000	349.6028
Total	**0.2417**	**1.8619**	**2.1162**	**7.4400e-003**	**0.4046**	**0.0151**	**0.4197**	**0.1101**	**0.0143**	**0.1244**	**0.0000**	**694.2400**	**694.2400**	**0.0368**	**0.0000**	**695.1598**

3.5 Building Construction - 2019

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	0.3081	2.7508	2.2399	3.5100e-003		0.1683	0.1683		0.1583	0.1583	0.0000	306.8110	306.8110	0.0747	0.0000	308.6795
Total	**0.3081**	**2.7508**	**2.2399**	**3.5100e-003**		**0.1683**	**0.1683**		**0.1583**	**0.1583**	**0.0000**	**306.8110**	**306.8110**	**0.0747**	**0.0000**	**308.6795**

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	0.1359	3.7920	1.0371	8.3000e-003	0.2022	0.0239	0.2261	0.0584	0.0228	0.0812	0.0000	802.7821	802.7821	0.0536	0.0000	804.1217
Worker	0.3778	0.3149	3.4244	8.8000e-003	0.8266	7.2700e-003	0.8338	0.2195	6.7000e-003	0.2262	0.0000	794.5369	794.5369	0.0273	0.0000	795.2199
Total	**0.5137**	**4.1069**	**4.4615**	**0.0171**	**1.0288**	**0.0311**	**1.0599**	**0.2779**	**0.0295**	**0.3074**	**0.0000**	**1,597.3190**	**1,597.3190**	**0.0809**	**0.0000**	**1,599.3417**

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	0.3081	2.7508	2.2399	3.5100e-003		0.1683	0.1683		0.1583	0.1583	0.0000	306.8106	306.8106	0.0747	0.0000	308.6792
Total	**0.3081**	**2.7508**	**2.2399**	**3.5100e-003**		**0.1683**	**0.1683**		**0.1583**	**0.1583**	**0.0000**	**306.8106**	**306.8106**	**0.0747**	**0.0000**	**308.6792**

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	0.1359	3.7920	1.0371	8.3000e-003	0.1893	0.0239	0.2132	0.0552	0.0228	0.0780	0.0000	802.7821	802.7821	0.0536	0.0000	804.1217
Worker	0.3778	0.3149	3.4244	8.8000e-003	0.7621	7.2700e-003	0.7693	0.2037	6.7000e-003	0.2104	0.0000	794.5369	794.5369	0.0273	0.0000	795.2199
Total	**0.5137**	**4.1069**	**4.4615**	**0.0171**	**0.9514**	**0.0311**	**0.9825**	**0.2589**	**0.0295**	**0.2884**	**0.0000**	**1,597.3190**	**1,597.3190**	**0.0809**	**0.0000**	**1,599.3417**

3.5 Building Construction - 2020

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	0.2777	2.5134	2.2072	3.5300e-003		0.1463	0.1463		0.1376	0.1376	0.0000	303.4091	303.4091	0.0740	0.0000	305.2596
Total	**0.2777**	**2.5134**	**2.2072**	**3.5300e-003**		**0.1463**	**0.1463**		**0.1376**	**0.1376**	**0.0000**	**303.4091**	**303.4091**	**0.0740**	**0.0000**	**305.2596**

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	0.1169	3.4922	0.9453	8.2700e-003	0.2030	0.0162	0.2192	0.0586	0.0155	0.0741	0.0000	800.5783	800.5783	0.0509	0.0000	801.8501
Worker	0.3495	0.2819	3.1168	8.5600e-003	0.8297	7.0700e-003	0.8368	0.2204	6.5200e-003	0.2269	0.0000	773.3462	773.3462	0.0244	0.0000	773.9555
Total	**0.4664**	**3.7740**	**4.0621**	**0.0168**	**1.0327**	**0.0233**	**1.0560**	**0.2790**	**0.0221**	**0.3010**	**0.0000**	**1,573.9245**	**1,573.9245**	**0.0752**	**0.0000**	**1,575.8055**

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	0.2777	2.5134	2.2072	3.5300e-003		0.1463	0.1463		0.1376	0.1376	0.0000	303.4087	303.4087	0.0740	0.0000	305.2592
Total	**0.2777**	**2.5134**	**2.2072**	**3.5300e-003**		**0.1463**	**0.1463**		**0.1376**	**0.1376**	**0.0000**	**303.4087**	**303.4087**	**0.0740**	**0.0000**	**305.2592**

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	0.1169	3.4922	0.9453	8.2700e-003	0.1901	0.0162	0.2063	0.0554	0.0155	0.0710	0.0000	800.5783	800.5783	0.0509	0.0000	801.8501
Worker	0.3495	0.2819	3.1168	8.5600e-003	0.7650	7.0700e-003	0.7721	0.2045	6.5200e-003	0.2110	0.0000	773.3462	773.3462	0.0244	0.0000	773.9555
Total	**0.4664**	**3.7740**	**4.0621**	**0.0168**	**0.9551**	**0.0233**	**0.9784**	**0.2599**	**0.0221**	**0.2820**	**0.0000**	**1,573.9245**	**1,573.9245**	**0.0752**	**0.0000**	**1,575.8055**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0152	0.1395	0.1326	2.2000e-004		7.6700e-003	7.6700e-003		7.2100e-003	7.2100e-003	0.0000	18.5310	18.5310	4.4700e-003	0.0000	18.6428
Total	**0.0152**	**0.1395**	**0.1326**	**2.2000e-004**		**7.6700e-003**	**7.6700e-003**		**7.2100e-003**	**7.2100e-003**	**0.0000**	**18.5310**	**18.5310**	**4.4700e-003**	**0.0000**	**18.6428**

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	6.1100e-003	0.1942	0.0527	5.0000e-004	0.0124	4.0000e-004	0.0128	3.5800e-003	3.8000e-004	3.9600e-003	0.0000	48.5105	48.5105	2.9800e-003	0.0000	48.5849
Worker	0.0199	0.0155	0.1749	5.1000e-004	0.0507	4.2000e-004	0.0511	0.0135	3.8000e-004	0.0138	0.0000	45.7275	45.7275	1.3500e-003	0.0000	45.7612
Total	**0.0260**	**0.2097**	**0.2275**	**1.0100e-003**	**0.0631**	**8.2000e-004**	**0.0639**	**0.0170**	**7.6000e-004**	**0.0178**	**0.0000**	**94.2381**	**94.2381**	**4.3300e-003**	**0.0000**	**94.3461**

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	0.0152	0.1395	0.1326	2.2000e-004		7.6700e-003	7.6700e-003		7.2100e-003	7.2100e-003	0.0000	18.5310	18.5310	4.4700e-003	0.0000	18.6427
Total	**0.0152**	**0.1395**	**0.1326**	**2.2000e-004**		**7.6700e-003**	**7.6700e-003**		**7.2100e-003**	**7.2100e-003**	**0.0000**	**18.5310**	**18.5310**	**4.4700e-003**	**0.0000**	**18.6427**

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	6.1100e-003	0.1942	0.0527	5.0000e-004	0.0116	4.0000e-004	0.0120	3.3800e-003	3.8000e-004	3.7600e-003	0.0000	48.5105	48.5105	2.9800e-003	0.0000	48.5849
Worker	0.0199	0.0155	0.1749	5.1000e-004	0.0467	4.2000e-004	0.0471	0.0125	3.8000e-004	0.0129	0.0000	45.7275	45.7275	1.3500e-003	0.0000	45.7612
Total	**0.0260**	**0.2097**	**0.2275**	**1.0100e-003**	**0.0583**	**8.2000e-004**	**0.0591**	**0.0159**	**7.6000e-004**	**0.0166**	**0.0000**	**94.2381**	**94.2381**	**4.3300e-003**	**0.0000**	**94.3461**

3.6 Architectural Coating - 2019

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	0.4527					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0149	0.1028	0.1031	1.7000e-004		7.2100e-003	7.2100e-003		7.2100e-003	7.2100e-003	0.0000	14.2982	14.2982	1.2100e-003	0.0000	14.3284
Total	**0.4676**	**0.1028**	**0.1031**	**1.7000e-004**		**7.2100e-003**	**7.2100e-003**		**7.2100e-003**	**7.2100e-003**	**0.0000**	**14.2982**	**14.2982**	**1.2100e-003**	**0.0000**	**14.3284**

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	0.0325	0.0271	0.2949	7.6000e-004	0.0712	6.3000e-004	0.0718	0.0189	5.8000e-004	0.0195	0.0000	68.4261	68.4261	2.3500e-003	0.0000	68.4849
Total	**0.0325**	**0.0271**	**0.2949**	**7.6000e-004**	**0.0712**	**6.3000e-004**	**0.0718**	**0.0189**	**5.8000e-004**	**0.0195**	**0.0000**	**68.4261**	**68.4261**	**2.3500e-003**	**0.0000**	**68.4849**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4527					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0149	0.1028	0.1031	1.7000e-004		7.2100e-003	7.2100e-003		7.2100e-003	7.2100e-003	0.0000	14.2982	14.2982	1.2100e-003	0.0000	14.3284
Total	**0.4676**	**0.1028**	**0.1031**	**1.7000e-004**		**7.2100e-003**	**7.2100e-003**		**7.2100e-003**	**7.2100e-003**	**0.0000**	**14.2982**	**14.2982**	**1.2100e-003**	**0.0000**	**14.3284**

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	0.0325	0.0271	0.2949	7.6000e-004	0.0656	6.3000e-004	0.0663	0.0175	5.8000e-004	0.0181	0.0000	68.4261	68.4261	2.3500e-003	0.0000	68.4849
Total	**0.0325**	**0.0271**	**0.2949**	**7.6000e-004**	**0.0656**	**6.3000e-004**	**0.0663**	**0.0175**	**5.8000e-004**	**0.0181**	**0.0000**	**68.4261**	**68.4261**	**2.3500e-003**	**0.0000**	**68.4849**

3.6 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.0590					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0317	0.2206	0.2399	3.9000e-004		0.0145	0.0145		0.0145	0.0145	0.0000	33.4476	33.4476	2.5900e-003	0.0000	33.5124
Total	**1.0907**	**0.2206**	**0.2399**	**3.9000e-004**		**0.0145**	**0.0145**		**0.0145**	**0.0145**	**0.0000**	**33.4476**	**33.4476**	**2.5900e-003**	**0.0000**	**33.5124**

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	0.0702	0.0566	0.6255	1.7200e-003	0.1665	1.4200e-003	0.1679	0.0442	1.3100e-003	0.0455	0.0000	155.2044	155.2044	4.8900e-003	0.0000	155.3267
Total	**0.0702**	**0.0566**	**0.6255**	**1.7200e-003**	**0.1665**	**1.4200e-003**	**0.1679**	**0.0442**	**1.3100e-003**	**0.0455**	**0.0000**	**155.2044**	**155.2044**	**4.8900e-003**	**0.0000**	**155.3267**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.0590					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0317	0.2206	0.2399	3.9000e-004		0.0145	0.0145		0.0145	0.0145	0.0000	33.4476	33.4476	2.5900e-003	0.0000	33.5123
Total	**1.0907**	**0.2206**	**0.2399**	**3.9000e-004**		**0.0145**	**0.0145**		**0.0145**	**0.0145**	**0.0000**	**33.4476**	**33.4476**	**2.5900e-003**	**0.0000**	**33.5123**

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	0.0702	0.0566	0.6255	1.7200e-003	0.1535	1.4200e-003	0.1550	0.0410	1.3100e-003	0.0424	0.0000	155.2044	155.2044	4.8900e-003	0.0000	155.3267
Total	**0.0702**	**0.0566**	**0.6255**	**1.7200e-003**	**0.1535**	**1.4200e-003**	**0.1550**	**0.0410**	**1.3100e-003**	**0.0424**	**0.0000**	**155.2044**	**155.2044**	**4.8900e-003**	**0.0000**	**155.3267**

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.0348					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0280	0.1954	0.2327	3.8000e-004		0.0120	0.0120		0.0120	0.0120	0.0000	32.6817	32.6817	2.2400e-003	0.0000	32.7377
Total	**1.0628**	**0.1954**	**0.2327**	**3.8000e-004**		**0.0120**	**0.0120**		**0.0120**	**0.0120**	**0.0000**	**32.6817**	**32.6817**	**2.2400e-003**	**0.0000**	**32.7377**

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	0.0639	0.0497	0.5615	1.6200e-003	0.1627	1.3400e-003	0.1641	0.0432	1.2400e-003	0.0445	0.0000	146.8344	146.8344	4.3200e-003	0.0000	146.9424
Total	**0.0639**	**0.0497**	**0.5615**	**1.6200e-003**	**0.1627**	**1.3400e-003**	**0.1641**	**0.0432**	**1.2400e-003**	**0.0445**	**0.0000**	**146.8344**	**146.8344**	**4.3200e-003**	**0.0000**	**146.9424**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.0348					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0280	0.1954	0.2327	3.8000e-004		0.0120	0.0120		0.0120	0.0120	0.0000	32.6816	32.6816	2.2400e-003	0.0000	32.7377
Total	**1.0628**	**0.1954**	**0.2327**	**3.8000e-004**		**0.0120**	**0.0120**		**0.0120**	**0.0120**	**0.0000**	**32.6816**	**32.6816**	**2.2400e-003**	**0.0000**	**32.7377**

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	0.0639	0.0497	0.5615	1.6200e-003	0.1500	1.3400e-003	0.1514	0.0401	1.2400e-003	0.0413	0.0000	146.8344	146.8344	4.3200e-003	0.0000	146.9424
Total	**0.0639**	**0.0497**	**0.5615**	**1.6200e-003**	**0.1500**	**1.3400e-003**	**0.1514**	**0.0401**	**1.2400e-003**	**0.0413**	**0.0000**	**146.8344**	**146.8344**	**4.3200e-003**	**0.0000**	**146.9424**

3.7 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0251	0.2584	0.2931	4.6000e-004		0.0136	0.0136		0.0125	0.0125	0.0000	40.0470	40.0470	0.0130	0.0000	40.3708
Paving	8.4200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0335**	**0.2584**	**0.2931**	**4.6000e-004**		**0.0136**	**0.0136**		**0.0125**	**0.0125**	**0.0000**	**40.0470**	**40.0470**	**0.0130**	**0.0000**	**40.3708**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2900e-003	1.0000e-003	0.0113	3.0000e-005	3.2900e-003	3.0000e-005	3.3100e-003	8.7000e-004	2.0000e-005	9.0000e-004	0.0000	2.9668	2.9668	9.0000e-005	0.0000	2.9689
Total	**1.2900e-003**	**1.0000e-003**	**0.0113**	**3.0000e-005**	**3.2900e-003**	**3.0000e-005**	**3.3100e-003**	**8.7000e-004**	**2.0000e-005**	**9.0000e-004**	**0.0000**	**2.9668**	**2.9668**	**9.0000e-005**	**0.0000**	**2.9689**

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	0.0251	0.2584	0.2931	4.6000e-004		0.0136	0.0136		0.0125	0.0125	0.0000	40.0469	40.0469	0.0130	0.0000	40.3707
Paving	8.4200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0335**	**0.2584**	**0.2931**	**4.6000e-004**		**0.0136**	**0.0136**		**0.0125**	**0.0125**	**0.0000**	**40.0469**	**40.0469**	**0.0130**	**0.0000**	**40.3707**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2900e-003	1.0000e-003	0.0113	3.0000e-005	3.0300e-003	3.0000e-005	3.0600e-003	8.1000e-004	2.0000e-005	8.4000e-004	0.0000	2.9668	2.9668	9.0000e-005	0.0000	2.9689
Total	**1.2900e-003**	**1.0000e-003**	**0.0113**	**3.0000e-005**	**3.0300e-003**	**3.0000e-005**	**3.0600e-003**	**8.1000e-004**	**2.0000e-005**	**8.4000e-004**	**0.0000**	**2.9668**	**2.9668**	**9.0000e-005**	**0.0000**	**2.9689**

Phase 1 Construction

Los Angeles-South Coast, Summary Report

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	280.00	1000sqft	1.86	280,000.00	0
Medical Office Building	60.00	1000sqft	0.78	60,000.00	0
Research & Development	180.00	1000sqft	1.46	180,000.00	0
Enclosed Parking with Elevator	1,750.00	Space	3.05	700,000.00	0
Parking Lot	6.43	Acre	6.43	279,900.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2020
Utility Company	Austin Energy				
CO2 Intensity (lb/MWhr)	1083.07	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments

Only CalEEMod defaults were used.

Project Characteristics -

Land Use - Based on information provided by the Applicant.

Construction Phase - Based on information provided by the applicant.

Trips and VMT - Assumes 1 water truck and 2 trips per day per truck.

Demolition -

Grading -

Construction Off-road Equipment Mitigation - Per SCAQMD Rules 403 and 1186.

2.0 Peak Daily Emissions

Peak Daily Construction Emissions

Peak Daily Construction Emissions

		Unmitigated						Mitigated					
		ROG	NOX	CO	SO2	PM10	PM2.5	ROG	NOX	CO	SO2	PM10	PM2.5
Year	Phase	lb/day											
2018	Demolition	3.9536 W	42.9275 W	24.0604 W	0.0519 S	5.2045 W	2.3640 W	3.9536 W	42.9275 W	24.0604 W	0.0519 S	3.5509 W	2.1109 W
2018	Site Preparation	4.6824 W	48.5275 W	23.5155 S	0.0408 S	20.8607 W	12.3618 W	4.6824 W	48.5275 W	23.5155 S	0.0408 S	10.5012 W	6.6724 W
2018	Grading	5.7529 W	76.9438 W	39.8881 W	0.1074 S	12.5718 W	6.4057 W	5.7529 W	76.9438 W	39.8881 W	0.1074 S	7.4989 W	4.3229 W
2018	Building Construction	7.3932 W	56.2762 W	57.0401 S	0.1648 S	9.8088 W	3.8363 W	7.3932 W	56.2762 W	57.0401 S	0.1648 S	9.2023 W	3.6875 W
2019	Building Construction	6.6281 W	51.9365 W	52.5870 S	0.1616 S	9.5656 W	3.6074 W	6.6281 W	51.9365 W	52.5870 S	0.1616 S	8.9591 W	3.4585 W
2020	Building Construction	5.9882 W	47.4433 W	49.0121 S	0.1590 S	9.3317 W	3.3866 W	5.9882 W	47.4433 W	49.0121 S	0.1590 S	8.7253 W	3.2378 W
2021	Building Construction	5.4419 W	43.1519 W	46.0994 S	0.1563 S	9.0968 W	3.1644 W	5.4419 W	43.1519 W	46.0994 S	0.1563 S	8.4903 W	3.0156 W
2019	Architectural Coating	8.9928 W	2.3070 W	7.4344 S	0.0171 S	1.4366 S	0.4829 S	8.9928 W	2.3070 W	7.4344 S	0.0171 S	1.3351 S	0.4580 S
2020	Architectural Coating	8.9190 W	2.1043 W	6.9104 S	0.0167 S	1.4184 S	0.4648 S	8.9190 W	2.1043 W	6.9104 S	0.0167 S	1.3169 S	0.4399 S
2021	Architectural Coating	8.8560 W	1.9052 W	6.4897 S	0.0162 S	1.4012 S	0.4476 S	8.8560 W	1.9052 W	6.4897 S	0.0162 S	1.2997 S	0.4227 S
2021	Paving	1.7482 W	12.9680 W	15.2574 S	0.0245 S	0.8467 S	0.6692 S	1.7482 W	12.9680 W	15.2574 S	0.0245 S	0.8336 S	0.6660 S
	Peak Daily Total	8.9928 W	76.9438 W	57.0401 S	0.1648 S	20.8607 W	12.3618 W	8.9928 W	76.9438 W	57.0401 S	0.1648 S	10.5012 W	6.6724 W
	Air District Threshold												
	Exceed Significance?												

3.0 Annual GHG Emissions

Annual GHG

Annual GHG

		Unmitigated				Mitigated			
		CO2	CH4	N2O	CO2e	CO2	CH4	N2O	CO2e
GHG Activity	Year	MT/yr							
Construction	2018	1,326.2600	0.1790	0.0000	1,330.7347	1,326.2594	0.1790	0.0000	1,330.7341
Construction	2019	1,986.8543	0.1592	0.0000	1,990.8346	1,986.8539	0.1592	0.0000	1,990.8342
Construction	2020	2,065.9856	0.1567	0.0000	2,069.9042	2,065.9852	0.1567	0.0000	2,069.9038
Construction	2021	335.2988	0.0284	0.0000	336.0087	335.2987	0.0284	0.0000	336.0086
	Total								
	Significance Threshold								
	Exceed Significance?								

Phase 1 Construction

Los Angeles-South Coast County, Mitigation Report

Construction Mitigation Summary

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Demolition	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

OFFROAD Equipment Mitigation

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Air Compressors	Diesel	No Change	0	1	No Change	0.00
Concrete/Industrial Saws	Diesel	No Change	0	1	No Change	0.00
Cranes	Diesel	No Change	0	1	No Change	0.00
Excavators	Diesel	No Change	0	5	No Change	0.00
Forklifts	Diesel	No Change	0	3	No Change	0.00
Generator Sets	Diesel	No Change	0	1	No Change	0.00
Graders	Diesel	No Change	0	1	No Change	0.00
Pavers	Diesel	No Change	0	2	No Change	0.00
Paving Equipment	Diesel	No Change	0	2	No Change	0.00

Rollers	Diesel	No Change	0	2	No Change	0.00
Rubber Tired Dozers	Diesel	No Change	0	6	No Change	0.00
Scrapers	Diesel	No Change	0	2	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	No Change	0	9	No Change	0.00
Welders	Diesel	No Change	0	1	No Change	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Unmitigated tons/yr						Unmitigated mt/yr					
Air Compressors	7.46600E-002	5.18800E-001	5.75680E-001	9.40000E-004	3.37900E-002	3.37900E-002	0.00000E+000	8.04275E+001	8.04275E+001	6.04000E-003	0.00000E+000	8.05785E+001
Concrete/Industrial Saws	1.55800E-002	1.17450E-001	1.11720E-001	1.90000E-004	8.01000E-003	8.01000E-003	0.00000E+000	1.61297E+001	1.61297E+001	1.25000E-003	0.00000E+000	1.61609E+001
Cranes	1.40130E-001	1.66911E+000	6.40660E-001	1.64000E-003	7.02700E-002	6.46500E-002	0.00000E+000	1.46404E+002	1.46404E+002	4.66200E-002	0.00000E+000	1.47570E+002
Excavators	4.33700E-002	4.64380E-001	4.91350E-001	7.70000E-004	2.25200E-002	2.07200E-002	0.00000E+000	7.07039E+001	7.07039E+001	2.20100E-002	0.00000E+000	7.12542E+001
Forklifts	1.51980E-001	1.35955E+000	1.16107E+000	1.49000E-003	1.04240E-001	9.59000E-002	0.00000E+000	1.32972E+002	1.32972E+002	4.23500E-002	0.00000E+000	1.34031E+002
Generator Sets	1.41130E-001	1.20233E+000	1.20874E+000	2.14000E-003	7.10600E-002	7.10600E-002	0.00000E+000	1.83692E+002	1.83692E+002	1.13400E-002	0.00000E+000	1.83976E+002
Graders	1.55900E-002	2.13830E-001	5.74400E-002	2.00000E-004	6.95000E-003	6.39000E-003	0.00000E+000	1.82327E+001	1.82327E+001	5.68000E-003	0.00000E+000	1.83746E+001
Pavers	9.85000E-003	1.03800E-001	1.16190E-001	1.90000E-004	5.02000E-003	4.62000E-003	0.00000E+000	1.65130E+001	1.65130E+001	5.34000E-003	0.00000E+000	1.66465E+001
Paving Equipment	7.68000E-003	7.76100E-002	1.01660E-001	1.60000E-004	3.83000E-003	3.53000E-003	0.00000E+000	1.43138E+001	1.43138E+001	4.63000E-003	0.00000E+000	1.44295E+001
Rollers	7.58000E-003	7.69700E-002	7.52200E-002	1.00000E-004	4.71000E-003	4.33000E-003	0.00000E+000	9.22022E+000	9.22022E+000	2.98000E-003	0.00000E+000	9.29477E+000
Rubber Tired Dozers	1.57420E-001	1.69559E+000	5.90820E-001	1.15000E-003	8.24300E-002	7.58300E-002	0.00000E+000	1.05345E+002	1.05345E+002	3.28000E-002	0.00000E+000	1.06165E+002
Scrapers	6.88200E-002	8.51490E-001	5.27200E-001	9.10000E-004	3.35600E-002	3.08700E-002	0.00000E+000	8.29965E+001	8.29965E+001	2.58400E-002	0.00000E+000	8.36424E+001
Tractors/Loaders/Backhoes	2.26430E-001	2.26310E+000	2.24104E+000	3.02000E-003	1.51080E-001	1.38990E-001	0.00000E+000	2.70521E+002	2.70521E+002	8.59100E-002	0.00000E+000	2.72669E+002
Welders	1.22020E-001	5.23230E-001	5.84240E-001	8.30000E-004	3.12800E-002	3.12800E-002	0.00000E+000	6.11717E+001	6.11717E+001	9.95000E-003	0.00000E+000	6.14205E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Mitigated tons/yr						Mitigated mt/yr					
Air Compressors	7.46600E-002	5.18800E-001	5.75680E-001	9.40000E-004	3.37900E-002	3.37900E-002	0.00000E+000	8.04274E+001	8.04274E+001	6.04000E-003	0.00000E+000	8.05784E+001
Concrete/Industrial Saws	1.55800E-002	1.17450E-001	1.11720E-001	1.90000E-004	8.01000E-003	8.01000E-003	0.00000E+000	1.61297E+001	1.61297E+001	1.25000E-003	0.00000E+000	1.61609E+001
Cranes	1.40130E-001	1.66910E+000	6.40660E-001	1.64000E-003	7.02700E-002	6.46500E-002	0.00000E+000	1.46404E+002	1.46404E+002	4.66200E-002	0.00000E+000	1.47569E+002

Excavators	4.33700E-002	4.64380E-001	4.91350E-001	7.70000E-004	2.25200E-002	2.07200E-002	0.00000E+000	7.07039E+001	7.07039E+001	2.20100E-002	0.00000E+000	7.12541E+001
Forklifts	1.51980E-001	1.35955E+000	1.16107E+000	1.49000E-003	1.04240E-001	9.59000E-002	0.00000E+000	1.32972E+002	1.32972E+002	4.23500E-002	0.00000E+000	1.34030E+002
Generator Sets	1.41130E-001	1.20233E+000	1.20873E+000	2.14000E-003	7.10600E-002	7.10600E-002	0.00000E+000	1.83692E+002	1.83692E+002	1.13400E-002	0.00000E+000	1.83976E+002
Graders	1.55900E-002	2.13830E-001	5.74400E-002	2.00000E-004	6.95000E-003	6.39000E-003	0.00000E+000	1.82326E+001	1.82326E+001	5.68000E-003	0.00000E+000	1.83745E+001
Pavers	9.85000E-003	1.03800E-001	1.16190E-001	1.90000E-004	5.02000E-003	4.62000E-003	0.00000E+000	1.65130E+001	1.65130E+001	5.34000E-003	0.00000E+000	1.66465E+001
Paving Equipment	7.68000E-003	7.76100E-002	1.01660E-001	1.60000E-004	3.83000E-003	3.53000E-003	0.00000E+000	1.43138E+001	1.43138E+001	4.63000E-003	0.00000E+000	1.44295E+001
Rollers	7.58000E-003	7.69700E-002	7.52200E-002	1.00000E-004	4.71000E-003	4.33000E-003	0.00000E+000	9.22021E+000	9.22021E+000	2.98000E-003	0.00000E+000	9.29476E+000
Rubber Tired Dozers	1.57420E-001	1.69559E+000	5.90820E-001	1.15000E-003	8.24300E-002	7.58300E-002	0.00000E+000	1.05345E+002	1.05345E+002	3.28000E-002	0.00000E+000	1.06165E+002
Scrapers	6.88200E-002	8.51490E-001	5.27200E-001	9.10000E-004	3.35600E-002	3.08700E-002	0.00000E+000	8.29964E+001	8.29964E+001	2.58400E-002	0.00000E+000	8.36423E+001
Tractors/Loaders/Backhoes	2.26430E-001	2.26310E+000	2.24104E+000	3.02000E-003	1.51080E-001	1.38990E-001	0.00000E+000	2.70521E+002	2.70521E+002	8.59100E-002	0.00000E+000	2.72669E+002
Welders	1.22020E-001	5.23230E-001	5.84240E-001	8.30000E-004	3.12800E-002	3.12800E-002	0.00000E+000	6.11716E+001	6.11716E+001	9.95000E-003	0.00000E+000	6.14204E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Air Compressors	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.11902E-006	1.11902E-006	0.00000E+000	0.00000E+000	1.24103E-006
Concrete/Industrial Saws	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.23995E-006	1.23995E-006	0.00000E+000	0.00000E+000	1.23755E-006
Cranes	0.00000E+000	5.99122E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.22947E-006	1.22947E-006	0.00000E+000	0.00000E+000	1.21976E-006
Excavators	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.13148E-006	1.13148E-006	0.00000E+000	0.00000E+000	1.12274E-006
Forklifts	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.20326E-006	1.20326E-006	0.00000E+000	0.00000E+000	1.19376E-006
Generator Sets	0.00000E+000	0.00000E+000	8.27308E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.19765E-006	1.19765E-006	0.00000E+000	0.00000E+000	1.19581E-006
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.09693E-006	1.09693E-006	0.00000E+000	0.00000E+000	1.08846E-006
Pavers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.21117E-006	1.21117E-006	0.00000E+000	0.00000E+000	1.20145E-006
Paving Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.39726E-006	1.39726E-006	0.00000E+000	0.00000E+000	1.38605E-006
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.08457E-006	1.08457E-006	0.00000E+000	0.00000E+000	1.07587E-006
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.23404E-006	1.23404E-006	0.00000E+000	0.00000E+000	1.13031E-006
Scrapers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.20487E-006	1.20487E-006	0.00000E+000	0.00000E+000	1.19557E-006
Tractors/Loaders/Backhoes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18290E-006	1.18290E-006	0.00000E+000	0.00000E+000	1.17358E-006
Welders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.14432E-006	1.14432E-006	0.00000E+000	0.00000E+000	1.13969E-006

Fugitive Dust Mitigation

Yes/No	Mitigation Measure	Mitigation Input		Mitigation Input		Mitigation Input	
No	Soil Stabilizer for unpaved Roads	PM10 Reduction	0.00	PM2.5 Reduction	0.00		
Yes	Replace Ground Cover of Area Disturbed	PM10 Reduction	5.00	PM2.5 Reduction	5.00		
Yes	Water Exposed Area	PM10 Reduction	55.00	PM2.5 Reduction	55.00	Frequency (per day)	2.00
No	Unpaved Road Mitigation	Moisture Content %	0.00	Vehicle Speed (mph)	15.00		
Yes	Clean Paved Road	% PM Reduction	9.00				

		Unmitigated		Mitigated		Percent Reduction	
Phase	Source	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Architectural Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	Roads	0.40	0.11	0.37	0.10	0.08	0.07
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	2.56	0.69	2.37	0.64	0.08	0.07
Demolition	Fugitive Dust	0.09	0.01	0.04	0.01	0.57	0.57
Demolition	Roads	0.01	0.00	0.01	0.00	0.07	0.06
Grading	Fugitive Dust	0.26	0.11	0.11	0.05	0.57	0.57
Grading	Roads	0.03	0.01	0.03	0.01	0.07	0.06
Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Roads	0.00	0.00	0.00	0.00	0.08	0.07
Site Preparation	Fugitive Dust	0.27	0.15	0.12	0.06	0.57	0.57
Site Preparation	Roads	0.00	0.00	0.00	0.00	0.08	0.07

CalEEMod Output: Construction – Phase 2

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Phase 2 Construction

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	210.00	1000sqft	17.01	210,000.00	0
Research & Development	61.00	1000sqft	0.70	61,000.00	0
General Light Industry	20.00	1000sqft	0.93	20,000.00	0
Enclosed Parking with Elevator	1,250.00	Space	3.71	500,000.00	0
Parking Lot	3.97	Acre	3.97	172,900.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2023
Utility Company					
CO2 Intensity (lb/MWhr)	0	**CH4 Intensity (lb/MWhr)**	0	**N2O Intensity (lb/MWhr)**	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on information provided by the applicant.

Construction Phase - Based on information provided by the applicant.

Grading -

Demolition -

Trips and VMT - Assumes one water truck and two trips per day per truck.

Construction Off-road Equipment Mitigation - Per SCAQMD Rules 403 and 1186.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstructionPhase	NumDays	35.00	880.00
tblConstructionPhase	NumDays	440.00	900.00
tblConstructionPhase	NumDays	30.00	60.00
tblConstructionPhase	NumDays	45.00	60.00
tblConstructionPhase	NumDays	35.00	60.00
tblConstructionPhase	NumDays	20.00	40.00
tblConstructionPhase	PhaseEndDate	12/31/2020	12/26/2025
tblConstructionPhase	PhaseEndDate	12/31/2020	1/23/2025
tblConstructionPhase	PhaseEndDate	12/31/2020	3/25/2021
tblConstructionPhase	PhaseEndDate	12/31/2020	8/12/2021
tblConstructionPhase	PhaseEndDate	12/31/2020	4/17/2025
tblConstructionPhase	PhaseEndDate	12/31/2020	5/20/2021
tblConstructionPhase	PhaseStartDate	1/1/2021	8/13/2022
tblConstructionPhase	PhaseStartDate	1/1/2021	8/13/2021
tblConstructionPhase	PhaseStartDate	1/1/2021	5/21/2021
tblConstructionPhase	PhaseStartDate	1/1/2021	1/24/2025
tblConstructionPhase	PhaseStartDate	1/1/2021	3/26/2021
tblGrading	MaterialExported	0.00	11,265.00
tblLandUse	BuildingSpaceSquareFeet	172,889.64	172,900.00
tblLandUse	LandUseSquareFeet	172,889.64	172,900.00
tblLandUse	LotAcreage	4.82	17.01
tblLandUse	LotAcreage	1.40	0.70
tblLandUse	LotAcreage	0.46	0.93
tblLandUse	LotAcreage	11.25	3.71
tblProjectCharacteristics	OperationalYear	2018	2023
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00

tblTripsAndVMT	VendorTripNumber	0.00	2.00

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					
2021	4.4786	52.9477	35.8104	0.1108	18.2803	2.0465	20.3267	9.9877	1.8828	11.8705	0.0000	11,201.0279	11,201.0279	2.0876	0.0000	11,225.9957
2022	7.4625	32.8206	38.8421	0.1202	6.0862	0.9579	7.0441	1.6371	0.9057	2.5428	0.0000	12,129.2126	12,129.2126	1.0150	0.0000	12,154.5878
2023	7.0888	27.8500	37.0184	0.1170	6.0862	0.8219	6.9082	1.6371	0.7770	2.4141	0.0000	11,811.9036	11,811.9036	0.9678	0.0000	11,836.0974
2024	6.8761	26.6863	35.7829	0.1154	6.0863	0.7249	6.8112	1.6371	0.6849	2.3220	0.0000	11,646.5419	11,646.5419	0.9499	0.0000	11,670.2893
2025	6.6721	25.4605	34.5828	0.1133	6.0863	0.6288	6.7150	1.6371	0.5939	2.2310	0.0000	11,444.0005	11,444.0005	0.9330	0.0000	11,467.3249
Maximum	**7.4625**	**52.9477**	**38.8421**	**0.1202**	**18.2803**	**2.0465**	**20.3267**	**9.9877**	**1.8828**	**11.8705**	**0.0000**	**12,129.2126**	**12,129.2126**	**2.0876**	**0.0000**	**12,154.5878**

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					
2021	4.4786	52.9477	35.8104	0.1108	7.9208	2.0465	9.9673	4.2984	1.8828	6.1811	0.0000	11,201.0279	11,201.0279	2.0876	0.0000	11,225.9957
2022	7.4625	32.8206	38.8421	0.1202	5.6243	0.9579	6.5822	1.5237	0.9057	2.4294	0.0000	12,129.2126	12,129.2126	1.0150	0.0000	12,154.5878
2023	7.0888	27.8500	37.0184	0.1170	5.6243	0.8219	6.4462	1.5237	0.7770	2.3007	0.0000	11,811.9036	11,811.9036	0.9678	0.0000	11,836.0974

2024	6.8761	26.6863	35.7829	0.1154	5.6243	0.7249	6.3492	1.5237	0.6849	2.2086	0.0000	11,646.5419	11,646.5419	0.9499	0.0000	11,670.2893
2025	6.6721	25.4605	34.5828	0.1133	5.6244	0.6288	6.2531	1.5237	0.5939	2.1177	0.0000	11,444.0005	11,444.0005	0.9330	0.0000	11,467.3249
Maximum	**7.4625**	**52.9477**	**38.8421**	**0.1202**	**7.9208**	**2.0465**	**9.9673**	**4.2984**	**1.8828**	**6.1811**	**0.0000**	**12,129.2126**	**12,129.2126**	**2.0876**	**0.0000**	**12,154.5878**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**28.64**	**0.00**	**25.54**	**37.15**	**0.00**	**28.73**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2021	3/25/2021	5	60	
2	Site Preparation	Site Preparation	3/26/2021	5/20/2021	5	40	
3	Grading	Grading	5/21/2021	8/12/2021	5	60	
4	Building Construction	Building Construction	8/13/2021	1/23/2025	5	900	
5	Architectural Coating	Architectural Coating	8/13/2022	12/26/2025	5	880	
6	Paving	Paving	1/24/2025	4/17/2025	5	60	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 150

Acres of Paving: 7.68

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 436,500; Non-Residential Outdoor: 145,500; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73

Grading	Excavators	2	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	76.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	378.00	158.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	2.00	958.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	2.00	1,408.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.4556	0.0000	3.4556	0.5232	0.0000	0.5232			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**3.4556**	**1.5513**	**5.0069**	**0.5232**	**1.4411**	**1.9643**		**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

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	0.1331	4.2830	1.0042	0.0125	0.2792	0.0132	0.2923	0.0765	0.0126	0.0891		1,351.4925	1,351.4925	0.0917		1,353.7855
Vendor	6.0800e-003	0.1942	0.0508	5.1000e-004	0.0128	4.0000e-004	0.0132	3.6900e-003	3.8000e-004	4.0700e-003		54.9761	54.9761	3.2400e-003		55.0571
Worker	0.0643	0.0442	0.6042	1.7100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		170.8155	170.8155	5.0300e-003		170.9413
Total	**0.2035**	**4.5213**	**1.6592**	**0.0147**	**0.4596**	**0.0149**	**0.4746**	**0.1247**	**0.0142**	**0.1389**		**1,577.2842**	**1,577.2842**	**0.1000**		**1,579.7839**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.4773	0.0000	1.4773	0.2237	0.0000	0.2237			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**1.4773**	**1.5513**	**3.0286**	**0.2237**	**1.4411**	**1.6648**	**0.0000**	**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

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	0.1331	4.2830	1.0042	0.0125	0.2602	0.0132	0.2733	0.0719	0.0126	0.0844		1,351.4925	1,351.4925	0.0917		1,353.7855
Vendor	6.0800e-003	0.1942	0.0508	5.1000e-004	0.0120	4.0000e-004	0.0124	3.4900e-003	3.8000e-004	3.8600e-003		54.9761	54.9761	3.2400e-003		55.0571
Worker	0.0643	0.0442	0.6042	1.7100e-003	0.1546	1.3500e-003	0.1559	0.0413	1.2500e-003	0.0425		170.8155	170.8155	5.0300e-003		170.9413
Total	**0.2035**	**4.5213**	**1.6592**	**0.0147**	**0.4267**	**0.0149**	**0.4416**	**0.1166**	**0.0142**	**0.1308**		**1,577.2842**	**1,577.2842**	**0.1000**		**1,579.7839**

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

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

Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**		**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

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	6.0800e-003	0.1942	0.0508	5.1000e-004	0.0128	4.0000e-004	0.0132	3.6900e-003	3.8000e-004	4.0700e-003		54.9761	54.9761	3.2400e-003		55.0571
Worker	0.0772	0.0530	0.7250	2.0600e-003	0.2012	1.6300e-003	0.2028	0.0534	1.5000e-003	0.0549		204.9786	204.9786	6.0400e-003		205.1296
Total	**0.0832**	**0.2472**	**0.7758**	**2.5700e-003**	**0.2140**	**2.0300e-003**	**0.2160**	**0.0571**	**1.8800e-003**	**0.0589**		**259.9547**	**259.9547**	**9.2800e-003**		**260.1867**

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					7.7233	0.0000	7.7233	4.2454	0.0000	4.2454			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**7.7233**	**2.0445**	**9.7678**	**4.2454**	**1.8809**	**6.1263**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

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	6.0800e-003	0.1942	0.0508	5.1000e-004	0.0120	4.0000e-004	0.0124	3.4900e-003	3.8000e-004	3.8600e-003		54.9761	54.9761	3.2400e-003		55.0571
Worker	0.0772	0.0530	0.7250	2.0600e-003	0.1855	1.6300e-003	0.1871	0.0495	1.5000e-003	0.0510		204.9786	204.9786	6.0400e-003		205.1296
Total	**0.0832**	**0.2472**	**0.7758**	**2.5700e-003**	**0.1974**	**2.0300e-003**	**0.1995**	**0.0530**	**1.8800e-003**	**0.0549**		**259.9547**	**259.9547**	**9.2800e-003**		**260.1867**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6946	0.0000	8.6946	3.5997	0.0000	3.5997			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**8.6946**	**1.9853**	**10.6799**	**3.5997**	**1.8265**	**5.4262**		**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

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	0.1957	6.2948	1.4760	0.0183	0.4103	0.0193	0.4296	0.1125	0.0185	0.1310		1,986.3273	1,986.3273	0.1348		1,989.6972
Vendor	6.0800e-003	0.1942	0.0508	5.1000e-004	0.0128	4.0000e-004	0.0132	3.6900e-003	3.8000e-004	4.0700e-003		54.9761	54.9761	3.2400e-003		55.0571
Worker	0.0857	0.0589	0.8056	2.2900e-003	0.2236	1.8100e-003	0.2254	0.0593	1.6600e-003	0.0610		227.7540	227.7540	6.7100e-003		227.9217
Total	**0.2875**	**6.5479**	**2.3323**	**0.0211**	**0.6467**	**0.0215**	**0.6682**	**0.1755**	**0.0205**	**0.1960**		**2,269.0574**	**2,269.0574**	**0.1448**		**2,272.6761**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.7169	0.0000	3.7169	1.5389	0.0000	1.5389			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**3.7169**	**1.9853**	**5.7023**	**1.5389**	**1.8265**	**3.3654**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

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	0.1957	6.2948	1.4760	0.0183	0.3824	0.0193	0.4017	0.1056	0.0185	0.1241		1,986.3273	1,986.3273	0.1348		1,989.6972
Vendor	6.0800e-003	0.1942	0.0508	5.1000e-004	0.0120	4.0000e-004	0.0124	3.4900e-003	3.8000e-004	3.8600e-003		54.9761	54.9761	3.2400e-003		55.0571
Worker	0.0857	0.0589	0.8056	2.2900e-003	0.2061	1.8100e-003	0.2079	0.0550	1.6600e-003	0.0567		227.7540	227.7540	6.7100e-003		227.9217

Total	**0.2875**	**6.5479**	**2.3323**	**0.0211**	**0.6004**	**0.0215**	**0.6220**	**0.1641**	**0.0205**	**0.1846**		**2,269.0574**	**2,269.0574**	**0.1448**		**2,272.6761**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**		**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

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	0.4803	15.3401	4.0103	0.0406	1.0115	0.0314	1.0429	0.2912	0.0300	0.3212		4,343.1140	4,343.1140	0.2559		4,349.5106
Worker	1.6203	1.1137	15.2249	0.0432	4.2252	0.0341	4.2593	1.1205	0.0315	1.1520		4,304.5500	4,304.5500	0.1268		4,307.7209
Total	**2.1006**	**16.4539**	**19.2352**	**0.0838**	**5.2367**	**0.0655**	**5.3022**	**1.4118**	**0.0615**	**1.4732**		**8,647.6640**	**8,647.6640**	**0.3827**		**8,657.2315**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**	**0.0000**	**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

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	0.4803	15.3401	4.0103	0.0406	0.9467	0.0314	0.9781	0.2753	0.0300	0.3053		4,343.1140	4,343.1140	0.2559		4,349.5106
Worker	1.6203	1.1137	15.2249	0.0432	3.8946	0.0341	3.9287	1.0394	0.0315	1.0708		4,304.5500	4,304.5500	0.1268		4,307.7209
Total	**2.1006**	**16.4539**	**19.2352**	**0.0838**	**4.8412**	**0.0655**	**4.9068**	**1.3147**	**0.0615**	**1.3762**		**8,647.6640**	**8,647.6640**	**0.3827**		**8,657.2315**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

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

Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**		**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

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	0.4507	14.5882	3.7944	0.0402	1.0116	0.0274	1.0390	0.2913	0.0262	0.3175		4,305.2770	4,305.2770	0.2471		4,311.4536
Worker	1.5178	1.0060	14.0466	0.0417	4.2252	0.0331	4.2582	1.1205	0.0305	1.1510		4,153.1326	4,153.1326	0.1146		4,155.9983
Total	**1.9685**	**15.5942**	**17.8410**	**0.0819**	**5.2367**	**0.0605**	**5.2972**	**1.4118**	**0.0567**	**1.4685**		**8,458.4096**	**8,458.4096**	**0.3617**		**8,467.4519**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

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	0.4507	14.5882	3.7944	0.0402	0.9467	0.0274	0.9741	0.2753	0.0262	0.3016		4,305.2770	4,305.2770	0.2471		4,311.4536
Worker	1.5178	1.0060	14.0466	0.0417	3.8946	0.0331	3.9276	1.0394	0.0305	1.0699		4,153.1326	4,153.1326	0.1146		4,155.9983
Total	**1.9685**	**15.5942**	**17.8410**	**0.0819**	**4.8413**	**0.0605**	**4.9018**	**1.3147**	**0.0567**	**1.3714**		**8,458.4096**	**8,458.4096**	**0.3617**		**8,467.4519**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

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	0.3344	11.0690	3.4268	0.0389	1.0116	0.0128	1.0244	0.2913	0.0122	0.3035		4,169.7374	4,169.7374	0.2189		4,175.2108
Worker	1.4253	0.9102	12.9357	0.0401	4.2252	0.0321	4.2573	1.1205	0.0296	1.1501		4,001.0619	4,001.0619	0.1034		4,003.6457
Total	**1.7597**	**11.9792**	**16.3624**	**0.0791**	**5.2367**	**0.0449**	**5.2817**	**1.4118**	**0.0418**	**1.4536**		**8,170.7993**	**8,170.7993**	**0.3223**		**8,178.8565**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

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	0.3344	11.0690	3.4268	0.0389	0.9467	0.0128	0.9595	0.2753	0.0122	0.2876		4,169.7374	4,169.7374	0.2189		4,175.2108
Worker	1.4253	0.9102	12.9357	0.0401	3.8946	0.0321	3.9267	1.0394	0.0296	1.0690		4,001.0619	4,001.0619	0.1034		4,003.6457

Total	**1.7597**	**11.9792**	**16.3624**	**0.0791**	**4.8413**	**0.0449**	**4.8862**	**1.3147**	**0.0418**	**1.3565**		**8,170.7993**	**8,170.7993**	**0.3223**		**8,178.8565**

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**		**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

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	0.3264	11.0267	3.3224	0.0387	1.0116	0.0126	1.0242	0.2913	0.0121	0.3033		4,152.8156	4,152.8156	0.2158		4,158.2111
Worker	1.3483	0.8301	12.0590	0.0389	4.2252	0.0317	4.2568	1.1205	0.0292	1.1497		3,877.0638	3,877.0638	0.0948		3,879.4343
Total	**1.6746**	**11.8568**	**15.3814**	**0.0776**	**5.2368**	**0.0443**	**5.2811**	**1.4118**	**0.0412**	**1.4530**		**8,029.8794**	**8,029.8794**	**0.3106**		**8,037.6454**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**	**0.0000**	**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

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	0.3264	11.0267	3.3224	0.0387	0.9468	0.0126	0.9594	0.2754	0.0121	0.2874		4,152.8156	4,152.8156	0.2158		4,158.2111
Worker	1.3483	0.8301	12.0590	0.0389	3.8946	0.0317	3.9262	1.0394	0.0292	1.0685		3,877.0638	3,877.0638	0.0948		3,879.4343
Total	**1.6746**	**11.8568**	**15.3814**	**0.0776**	**4.8413**	**0.0443**	**4.8856**	**1.3147**	**0.0412**	**1.3560**		**8,029.8794**	**8,029.8794**	**0.3106**		**8,037.6454**

3.5 Building Construction - 2025

Unmitigated Construction On-Site

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

Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	0.3181	10.9331	3.2370	0.0385	1.0116	0.0124	1.0241	0.2913	0.0119	0.3032		4,129.9333	4,129.9333	0.2128		4,135.2531
Worker	1.2803	0.7595	11.2001	0.0374	4.2252	0.0310	4.2562	1.1205	0.0286	1.1491		3,726.8342	3,726.8342	0.0865		3,728.9965
Total	**1.5984**	**11.6926**	**14.4372**	**0.0759**	**5.2368**	**0.0434**	**5.2802**	**1.4118**	**0.0404**	**1.4522**		**7,856.7675**	**7,856.7675**	**0.2993**		**7,864.2496**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	0.3181	10.9331	3.2370	0.0385	0.9468	0.0124	0.9592	0.2754	0.0119	0.2872		4,129.9333	4,129.9333	0.2128		4,135.2531
Worker	1.2803	0.7595	11.2001	0.0374	3.8946	0.0310	3.9256	1.0394	0.0286	1.0679		3,726.8342	3,726.8342	0.0865		3,728.9965
Total	**1.5984**	**11.6926**	**14.4372**	**0.0759**	**4.8413**	**0.0434**	**4.8848**	**1.3147**	**0.0404**	**1.3552**		**7,856.7675**	**7,856.7675**	**0.2993**		**7,864.2496**

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.2781					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	**3.4826**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

Unmitigated Construction Off-Site

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

Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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
Worker	0.3052	0.2023	2.8242	8.3800e-003	0.8495	6.6500e-003	0.8562	0.2253	6.1200e-003	0.2314		835.0214	835.0214	0.0231		835.5975
Total	**0.3052**	**0.2023**	**2.8242**	**8.3800e-003**	**0.8495**	**6.6500e-003**	**0.8562**	**0.2253**	**6.1200e-003**	**0.2314**		**835.0214**	**835.0214**	**0.0231**		**835.5975**

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	3.2781					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	**3.4826**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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
Worker	0.3052	0.2023	2.8242	8.3800e-003	0.7830	6.6500e-003	0.7897	0.2090	6.1200e-003	0.2151		835.0214	835.0214	0.0231		835.5975

Total	**0.3052**	**0.2023**	**2.8242**	**8.3800e-003**	**0.7830**	**6.6500e-003**	**0.7897**	**0.2090**	**6.1200e-003**	**0.2151**		**835.0214**	**835.0214**	**0.0231**		**835.5975**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.2781					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**3.4697**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

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	0.0000	0.0000	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	0.2866	0.1830	2.6008	8.0700e-003	0.8495	6.4600e-003	0.8560	0.2253	5.9500e-003	0.2312		804.4463	804.4463	0.0208		804.9658
Total	**0.2866**	**0.1830**	**2.6008**	**8.0700e-003**	**0.8495**	**6.4600e-003**	**0.8560**	**0.2253**	**5.9500e-003**	**0.2312**		**804.4463**	**804.4463**	**0.0208**		**804.9658**

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	3.2781					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**3.4697**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

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	0.0000	0.0000	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	0.2866	0.1830	2.6008	8.0700e-003	0.7830	6.4600e-003	0.7895	0.2090	5.9500e-003	0.2149		804.4463	804.4463	0.0208		804.9658
Total	**0.2866**	**0.1830**	**2.6008**	**8.0700e-003**	**0.7830**	**6.4600e-003**	**0.7895**	**0.2090**	**5.9500e-003**	**0.2149**		**804.4463**	**804.4463**	**0.0208**		**804.9658**

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

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

Archit. Coating	3.2781					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**3.4588**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

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	0.0000	0.0000	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	0.2711	0.1669	2.4246	7.8200e-003	0.8495	6.3700e-003	0.8559	0.2253	5.8600e-003	0.2312		779.5155	779.5155	0.0191		779.9921
Total	**0.2711**	**0.1669**	**2.4246**	**7.8200e-003**	**0.8495**	**6.3700e-003**	**0.8559**	**0.2253**	**5.8600e-003**	**0.2312**		**779.5155**	**779.5155**	**0.0191**		**779.9921**

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	3.2781					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**3.4588**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

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	0.0000	0.0000	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	0.2711	0.1669	2.4246	7.8200e-003	0.7830	6.3700e-003	0.7894	0.2090	5.8600e-003	0.2148		779.5155	779.5155	0.0191		779.9921
Total	**0.2711**	**0.1669**	**2.4246**	**7.8200e-003**	**0.7830**	**6.3700e-003**	**0.7894**	**0.2090**	**5.8600e-003**	**0.2148**		**779.5155**	**779.5155**	**0.0191**		**779.9921**

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.2781					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**3.4489**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

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	0.0000	0.0000	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	0.2574	0.1527	2.2519	7.5200e-003	0.8495	6.2400e-003	0.8557	0.2253	5.7400e-003	0.2310		749.3106	749.3106	0.0174		749.7453
Total	**0.2574**	**0.1527**	**2.2519**	**7.5200e-003**	**0.8495**	**6.2400e-003**	**0.8557**	**0.2253**	**5.7400e-003**	**0.2310**		**749.3106**	**749.3106**	**0.0174**		**749.7453**

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	3.2781					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**3.4489**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

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	0.0000	0.0000	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	0.2574	0.1527	2.2519	7.5200e-003	0.7830	6.2400e-003	0.7893	0.2090	5.7400e-003	0.2147		749.3106	749.3106	0.0174		749.7453

Total	**0.2574**	**0.1527**	**2.2519**	**7.5200e-003**	**0.7830**	**6.2400e-003**	**0.7893**	**0.2090**	**5.7400e-003**	**0.2147**		**749.3106**	**749.3106**	**0.0174**		**749.7453**

3.7 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.1734					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0885**	**8.5816**	**14.5780**	**0.0228**		**0.4185**	**0.4185**		**0.3850**	**0.3850**		**2,206.7452**	**2,206.7452**	**0.7137**		**2,224.5878**

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	0.0000	0.0000	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	0.0508	0.0301	0.4445	1.4800e-003	0.1677	1.2300e-003	0.1689	0.0445	1.1300e-003	0.0456		147.8903	147.8903	3.4300e-003		147.9761
Total	**0.0508**	**0.0301**	**0.4445**	**1.4800e-003**	**0.1677**	**1.2300e-003**	**0.1689**	**0.0445**	**1.1300e-003**	**0.0456**		**147.8903**	**147.8903**	**3.4300e-003**		**147.9761**

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	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.1734					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0885**	**8.5816**	**14.5780**	**0.0228**		**0.4185**	**0.4185**		**0.3850**	**0.3850**	**0.0000**	**2,206.7452**	**2,206.7452**	**0.7137**		**2,224.5878**

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	0.0000	0.0000	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	0.0508	0.0301	0.4445	1.4800e-003	0.1546	1.2300e-003	0.1558	0.0413	1.1300e-003	0.0424		147.8903	147.8903	3.4300e-003		147.9761
Total	**0.0508**	**0.0301**	**0.4445**	**1.4800e-003**	**0.1546**	**1.2300e-003**	**0.1558**	**0.0413**	**1.1300e-003**	**0.0424**		**147.8903**	**147.8903**	**3.4300e-003**		**147.9761**

Phase 2 Construction

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	210.00	1000sqft	17.01	210,000.00	0
Research & Development	61.00	1000sqft	0.70	61,000.00	0
General Light Industry	20.00	1000sqft	0.93	20,000.00	0
Enclosed Parking with Elevator	1,250.00	Space	3.71	500,000.00	0
Parking Lot	3.97	Acre	3.97	172,900.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2023
Utility Company					
CO2 Intensity (lb/MWhr)	0	**CH4 Intensity (lb/MWhr)**	0	**N2O Intensity (lb/MWhr)**	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on information provided by the applicant.

Construction Phase - Based on information provided by the applicant.

Grading -

Demolition -

Trips and VMT - Assumes one water truck and two trips per day per truck.

Construction Off-road Equipment Mitigation - Per SCAQMD Rules 403 and 1186.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstructionPhase	NumDays	35.00	880.00
tblConstructionPhase	NumDays	440.00	900.00
tblConstructionPhase	NumDays	30.00	60.00
tblConstructionPhase	NumDays	45.00	60.00
tblConstructionPhase	NumDays	35.00	60.00
tblConstructionPhase	NumDays	20.00	40.00
tblConstructionPhase	PhaseEndDate	12/31/2020	12/26/2025
tblConstructionPhase	PhaseEndDate	12/31/2020	1/23/2025
tblConstructionPhase	PhaseEndDate	12/31/2020	3/25/2021
tblConstructionPhase	PhaseEndDate	12/31/2020	8/12/2021
tblConstructionPhase	PhaseEndDate	12/31/2020	4/17/2025
tblConstructionPhase	PhaseEndDate	12/31/2020	5/20/2021
tblConstructionPhase	PhaseStartDate	1/1/2021	8/13/2022
tblConstructionPhase	PhaseStartDate	1/1/2021	8/13/2021
tblConstructionPhase	PhaseStartDate	1/1/2021	5/21/2021
tblConstructionPhase	PhaseStartDate	1/1/2021	1/24/2025
tblConstructionPhase	PhaseStartDate	1/1/2021	3/26/2021
tblGrading	MaterialExported	0.00	11,265.00
tblLandUse	BuildingSpaceSquareFeet	172,889.64	172,900.00
tblLandUse	LandUseSquareFeet	172,889.64	172,900.00

tblLandUse	LotAcreage	4.82	17.01
tblLandUse	LotAcreage	1.40	0.70
tblLandUse	LotAcreage	0.46	0.93
tblLandUse	LotAcreage	11.25	3.71
tblProjectCharacteristics	OperationalYear	2018	2023
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00

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					
2021	4.4933	53.0307	34.9314	0.1071	18.2803	2.0465	20.3268	9.9877	1.8828	11.8705	0.0000	10,830.5323	10,830.5323	2.0921	0.0000	10,855.7317
2022	7.6954	32.9099	37.7748	0.1162	6.0862	0.9588	7.0450	1.6371	0.9065	2.5436	0.0000	11,719.2574	11,719.2574	1.0227	0.0000	11,744.8251
2023	7.3096	27.9160	35.9407	0.1132	6.0862	0.8226	6.9088	1.6371	0.7776	2.4147	0.0000	11,418.2821	11,418.2821	0.9728	0.0000	11,442.6011
2024	7.0910	26.7444	34.7722	0.1116	6.0863	0.7255	6.8117	1.6371	0.6855	2.3226	0.0000	11,262.6761	11,262.6761	0.9550	0.0000	11,286.5515
2025	6.8820	25.5101	33.6462	0.1097	6.0863	0.6293	6.7156	1.6371	0.5944	2.2315	0.0000	11,072.0480	11,072.0480	0.9382	0.0000	11,095.5041
Maximum	**7.6954**	**53.0307**	**37.7748**	**0.1162**	**18.2803**	**2.0465**	**20.3268**	**9.9877**	**1.8828**	**11.8705**	**0.0000**	**11,719.2574**	**11,719.2574**	**2.0921**	**0.0000**	**11,744.8251**

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					
2021	4.4933	53.0307	34.9314	0.1071	7.9208	2.0465	9.9673	4.2984	1.8828	6.1811	0.0000	10,830.5323	10,830.5323	2.0921	0.0000	10,855.7317
2022	7.6954	32.9099	37.7748	0.1162	5.6243	0.9588	6.5831	1.5237	0.9065	2.4302	0.0000	11,719.2574	11,719.2574	1.0227	0.0000	11,744.8251
2023	7.3096	27.9160	35.9407	0.1132	5.6243	0.8226	6.4469	1.5237	0.7776	2.3013	0.0000	11,418.2821	11,418.2821	0.9728	0.0000	11,442.6011
2024	7.0910	26.7444	34.7722	0.1116	5.6243	0.7255	6.3498	1.5237	0.6855	2.2092	0.0000	11,262.6761	11,262.6761	0.9550	0.0000	11,286.5515
2025	6.8820	25.5101	33.6462	0.1097	5.6244	0.6293	6.2536	1.5237	0.5944	2.1182	0.0000	11,072.0480	11,072.0480	0.9382	0.0000	11,095.5041
Maximum	**7.6954**	**53.0307**	**37.7748**	**0.1162**	**7.9208**	**2.0465**	**9.9673**	**4.2984**	**1.8828**	**6.1811**	**0.0000**	**11,719.2574**	**11,719.2574**	**2.0921**	**0.0000**	**11,744.8251**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**28.64**	**0.00**	**25.53**	**37.15**	**0.00**	**28.73**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2021	3/25/2021	5	60	
2	Site Preparation	Site Preparation	3/26/2021	5/20/2021	5	40	
3	Grading	Grading	5/21/2021	8/12/2021	5	60	

4	Building Construction	Building Construction	8/13/2021	1/23/2025	5	900	
5	Architectural Coating	Architectural Coating	8/13/2022	12/26/2025	5	880	
6	Paving	Paving	1/24/2025	4/17/2025	5	60	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 150

Acres of Paving: 7.68

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 436,500; Non-Residential Outdoor: 145,500; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	2	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	76.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	378.00	158.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	2.00	958.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	2.00	1,408.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 2021

Unmitigated Construction On-Site

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

Fugitive Dust					3.4556	0.0000	3.4556	0.5232	0.0000	0.5232			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**3.4556**	**1.5513**	**5.0069**	**0.5232**	**1.4411**	**1.9643**		**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

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	0.1363	4.3354	1.0649	0.0122	0.2792	0.0134	0.2925	0.0765	0.0128	0.0893		1,328.0804	1,328.0804	0.0950		1,330.4541
Vendor	6.3800e-003	0.1938	0.0562	5.0000e-004	0.0128	4.1000e-004	0.0132	3.6900e-003	3.9000e-004	4.0800e-003		53.4691	53.4691	3.4500e-003		53.5554
Worker	0.0715	0.0489	0.5524	1.6100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		160.8377	160.8377	4.7300e-003		160.9560
Total	**0.2142**	**4.5781**	**1.6734**	**0.0144**	**0.4596**	**0.0151**	**0.4748**	**0.1247**	**0.0144**	**0.1391**		**1,542.3871**	**1,542.3871**	**0.1031**		**1,544.9655**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.4773	0.0000	1.4773	0.2237	0.0000	0.2237			0.0000			0.0000

Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**1.4773**	**1.5513**	**3.0286**	**0.2237**	**1.4411**	**1.6648**	**0.0000**	**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

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	0.1363	4.3354	1.0649	0.0122	0.2602	0.0134	0.2735	0.0719	0.0128	0.0846		1,328.0804	1,328.0804	0.0950		1,330.4541
Vendor	6.3800e-003	0.1938	0.0562	5.0000e-004	0.0120	4.1000e-004	0.0124	3.4900e-003	3.9000e-004	3.8800e-003		53.4691	53.4691	3.4500e-003		53.5554
Worker	0.0715	0.0489	0.5524	1.6100e-003	0.1546	1.3500e-003	0.1559	0.0413	1.2500e-003	0.0425		160.8377	160.8377	4.7300e-003		160.9560
Total	**0.2142**	**4.5781**	**1.6734**	**0.0144**	**0.4267**	**0.0151**	**0.4418**	**0.1166**	**0.0144**	**0.1310**		**1,542.3871**	**1,542.3871**	**0.1031**		**1,544.9655**

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573

Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**		**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

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	6.3800e-003	0.1938	0.0562	5.0000e-004	0.0128	4.1000e-004	0.0132	3.6900e-003	3.9000e-004	4.0800e-003		53.4691	53.4691	3.4500e-003		53.5554
Worker	0.0858	0.0587	0.6629	1.9400e-003	0.2012	1.6300e-003	0.2028	0.0534	1.5000e-003	0.0549		193.0052	193.0052	5.6800e-003		193.1472
Total	**0.0922**	**0.2525**	**0.7190**	**2.4400e-003**	**0.2140**	**2.0400e-003**	**0.2160**	**0.0571**	**1.8900e-003**	**0.0589**		**246.4743**	**246.4743**	**9.1300e-003**		**246.7026**

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					7.7233	0.0000	7.7233	4.2454	0.0000	4.2454			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**7.7233**	**2.0445**	**9.7678**	**4.2454**	**1.8809**	**6.1263**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

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	6.3800e-003	0.1938	0.0562	5.0000e-004	0.0120	4.1000e-004	0.0124	3.4900e-003	3.9000e-004	3.8800e-003		53.4691	53.4691	3.4500e-003		53.5554
Worker	0.0858	0.0587	0.6629	1.9400e-003	0.1855	1.6300e-003	0.1871	0.0495	1.5000e-003	0.0510		193.0052	193.0052	5.6800e-003		193.1472
Total	**0.0922**	**0.2525**	**0.7190**	**2.4400e-003**	**0.1974**	**2.0400e-003**	**0.1995**	**0.0530**	**1.8900e-003**	**0.0549**		**246.4743**	**246.4743**	**9.1300e-003**		**246.7026**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6946	0.0000	8.6946	3.5997	0.0000	3.5997			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**8.6946**	**1.9853**	**10.6799**	**3.5997**	**1.8265**	**5.4262**		**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

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	0.2004	6.3719	1.5651	0.0180	0.4103	0.0196	0.4299	0.1125	0.0188	0.1312		1,951.9177	1,951.9177	0.1396		1,955.4065
Vendor	6.3800e-003	0.1938	0.0562	5.0000e-004	0.0128	4.1000e-004	0.0132	3.6900e-003	3.9000e-004	4.0800e-003		53.4691	53.4691	3.4500e-003		53.5554
Worker	0.0954	0.0652	0.7365	2.1500e-003	0.2236	1.8100e-003	0.2254	0.0593	1.6600e-003	0.0610		214.4502	214.4502	6.3100e-003		214.6080
Total	**0.3021**	**6.6309**	**2.3577**	**0.0206**	**0.6467**	**0.0218**	**0.6685**	**0.1755**	**0.0208**	**0.1963**		**2,219.8370**	**2,219.8370**	**0.1493**		**2,223.5698**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.7169	0.0000	3.7169	1.5389	0.0000	1.5389			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**3.7169**	**1.9853**	**5.7023**	**1.5389**	**1.8265**	**3.3654**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

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	0.2004	6.3719	1.5651	0.0180	0.3824	0.0196	0.4020	0.1056	0.0188	0.1244		1,951.9177	1,951.9177	0.1396		1,955.4065
Vendor	6.3800e-003	0.1938	0.0562	5.0000e-004	0.0120	4.1000e-004	0.0124	3.4900e-003	3.9000e-004	3.8800e-003		53.4691	53.4691	3.4500e-003		53.5554
Worker	0.0954	0.0652	0.7365	2.1500e-003	0.2061	1.8100e-003	0.2079	0.0550	1.6600e-003	0.0567		214.4502	214.4502	6.3100e-003		214.6080
Total	**0.3021**	**6.6309**	**2.3577**	**0.0206**	**0.6004**	**0.0218**	**0.6223**	**0.1641**	**0.0208**	**0.1849**		**2,219.8370**	**2,219.8370**	**0.1493**		**2,223.5698**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**		**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

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	0.5042	15.3084	4.4362	0.0395	1.0115	0.0324	1.0439	0.2912	0.0310	0.3222		4,224.0593	4,224.0593	0.2727		4,230.8766
Worker	1.8024	1.2328	13.9201	0.0407	4.2252	0.0341	4.2593	1.1205	0.0315	1.1520		4,053.1091	4,053.1091	0.1193		4,056.0908
Total	**2.3066**	**16.5413**	**18.3562**	**0.0802**	**5.2367**	**0.0665**	**5.3032**	**1.4118**	**0.0624**	**1.4742**		**8,277.1684**	**8,277.1684**	**0.3920**		**8,286.9674**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**	**0.0000**	**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

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	0.5042	15.3084	4.4362	0.0395	0.9467	0.0324	0.9791	0.2753	0.0310	0.3063		4,224.0593	4,224.0593	0.2727		4,230.8766
Worker	1.8024	1.2328	13.9201	0.0407	3.8946	0.0341	3.9287	1.0394	0.0315	1.0708		4,053.1091	4,053.1091	0.1193		4,056.0908
Total	**2.3066**	**16.5413**	**18.3562**	**0.0802**	**4.8412**	**0.0665**	**4.9078**	**1.3147**	**0.0624**	**1.3771**		**8,277.1684**	**8,277.1684**	**0.3920**		**8,286.9674**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**		**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

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	0.4733	14.5485	4.1992	0.0392	1.0116	0.0283	1.0399	0.2913	0.0271	0.3183		4,186.5304	4,186.5304	0.2631		4,193.1082
Worker	1.6928	1.1134	12.8209	0.0392	4.2252	0.0331	4.2582	1.1205	0.0305	1.1510		3,910.6725	3,910.6725	0.1077		3,913.3645
Total	**2.1661**	**15.6619**	**17.0200**	**0.0784**	**5.2367**	**0.0614**	**5.2981**	**1.4118**	**0.0575**	**1.4693**		**8,097.2030**	**8,097.2030**	**0.3708**		**8,106.4727**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

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	0.4733	14.5485	4.1992	0.0392	0.9467	0.0283	0.9750	0.2753	0.0271	0.3024		4,186.5304	4,186.5304	0.2631		4,193.1082

Worker	1.6928	1.1134	12.8209	0.0392	3.8946	0.0331	3.9276	1.0394	0.0305	1.0699		3,910.6725	3,910.6725	0.1077		3,913.3645
Total	**2.1661**	**15.6619**	**17.0200**	**0.0784**	**4.8413**	**0.0614**	**4.9027**	**1.3147**	**0.0575**	**1.3723**		**8,097.2030**	**8,097.2030**	**0.3708**		**8,106.4727**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

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	0.3516	11.0187	3.7313	0.0379	1.0116	0.0135	1.0250	0.2913	0.0129	0.3041		4,056.5127	4,056.5127	0.2316		4,062.3034
Worker	1.5948	1.0070	11.7848	0.0378	4.2252	0.0321	4.2573	1.1205	0.0296	1.1501		3,767.6038	3,767.6038	0.0970		3,770.0277

Total	**1.9465**	**12.0257**	**15.5161**	**0.0757**	**5.2367**	**0.0456**	**5.2823**	**1.4118**	**0.0424**	**1.4542**		**7,824.1165**	**7,824.1165**	**0.3286**		**7,832.3311**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

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	0.3516	11.0187	3.7313	0.0379	0.9467	0.0135	0.9602	0.2753	0.0129	0.2882		4,056.5127	4,056.5127	0.2316		4,062.3034
Worker	1.5948	1.0070	11.7848	0.0378	3.8946	0.0321	3.9267	1.0394	0.0296	1.0690		3,767.6038	3,767.6038	0.0970		3,770.0277
Total	**1.9465**	**12.0257**	**15.5161**	**0.0757**	**4.8413**	**0.0456**	**4.8869**	**1.3147**	**0.0424**	**1.3572**		**7,824.1165**	**7,824.1165**	**0.3286**		**7,832.3311**

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**		**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

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	0.3430	10.9792	3.6182	0.0377	1.0116	0.0132	1.0248	0.2913	0.0126	0.3039		4,040.7800	4,040.7800	0.2281		4,046.4829
Worker	1.5134	0.9181	10.9712	0.0366	4.2252	0.0317	4.2568	1.1205	0.0292	1.1497		3,650.7383	3,650.7383	0.0888		3,652.9593
Total	**1.8564**	**11.8973**	**14.5894**	**0.0743**	**5.2368**	**0.0449**	**5.2816**	**1.4118**	**0.0418**	**1.4536**		**7,691.5183**	**7,691.5183**	**0.3170**		**7,699.4422**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**	**0.0000**	**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

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	0.3430	10.9792	3.6182	0.0377	0.9468	0.0132	0.9600	0.2754	0.0126	0.2880		4,040.7800	4,040.7800	0.2281		4,046.4829
Worker	1.5134	0.9181	10.9712	0.0366	3.8946	0.0317	3.9262	1.0394	0.0292	1.0685		3,650.7383	3,650.7383	0.0888		3,652.9593
Total	**1.8564**	**11.8973**	**14.5894**	**0.0743**	**4.8413**	**0.0449**	**4.8862**	**1.3147**	**0.0418**	**1.3565**		**7,691.5183**	**7,691.5183**	**0.3170**		**7,699.4422**

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	0.3342	10.8862	3.5258	0.0375	1.0116	0.0130	1.0246	0.2913	0.0124	0.3037		4,019.1131	4,019.1131	0.2247		4,024.7303
Worker	1.4416	0.8398	10.1799	0.0352	4.2252	0.0310	4.2562	1.1205	0.0286	1.1491		3,509.4157	3,509.4157	0.0810		3,511.4400
Total	**1.7758**	**11.7260**	**13.7057**	**0.0727**	**5.2368**	**0.0440**	**5.2808**	**1.4118**	**0.0409**	**1.4527**		**7,528.5288**	**7,528.5288**	**0.3057**		**7,536.1703**

Mitigated Construction On-Site

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

Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	0.3342	10.8862	3.5258	0.0375	0.9468	0.0130	0.9597	0.2754	0.0124	0.2877		4,019.1131	4,019.1131	0.2247		4,024.7303
Worker	1.4416	0.8398	10.1799	0.0352	3.8946	0.0310	3.9256	1.0394	0.0286	1.0679		3,509.4157	3,509.4157	0.0810		3,511.4400
Total	**1.7758**	**11.7260**	**13.7057**	**0.0727**	**4.8413**	**0.0440**	**4.8853**	**1.3147**	**0.0409**	**1.3557**		**7,528.5288**	**7,528.5288**	**0.3057**		**7,536.1703**

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

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

Archit. Coating	3.2781					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	**3.4826**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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
Worker	0.3404	0.2239	2.5777	7.8900e-003	0.8495	6.6500e-003	0.8562	0.2253	6.1200e-003	0.2314		786.2728	786.2728	0.0217		786.8140
Total	**0.3404**	**0.2239**	**2.5777**	**7.8900e-003**	**0.8495**	**6.6500e-003**	**0.8562**	**0.2253**	**6.1200e-003**	**0.2314**		**786.2728**	**786.2728**	**0.0217**		**786.8140**

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	3.2781					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	**3.4826**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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
Worker	0.3404	0.2239	2.5777	7.8900e-003	0.7830	6.6500e-003	0.7897	0.2090	6.1200e-003	0.2151		786.2728	786.2728	0.0217		786.8140
Total	**0.3404**	**0.2239**	**2.5777**	**7.8900e-003**	**0.7830**	**6.6500e-003**	**0.7897**	**0.2090**	**6.1200e-003**	**0.2151**		**786.2728**	**786.2728**	**0.0217**		**786.8140**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.2781					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

Total	**3.4697**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

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	0.0000	0.0000	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	0.3207	0.2025	2.3694	7.6000e-003	0.8495	6.4600e-003	0.8560	0.2253	5.9500e-003	0.2312		757.5076	757.5076	0.0195		757.9950
Total	**0.3207**	**0.2025**	**2.3694**	**7.6000e-003**	**0.8495**	**6.4600e-003**	**0.8560**	**0.2253**	**5.9500e-003**	**0.2312**		**757.5076**	**757.5076**	**0.0195**		**757.9950**

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	3.2781					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**3.4697**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

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	0.0000	0.0000	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	0.3207	0.2025	2.3694	7.6000e-003	0.7830	6.4600e-003	0.7895	0.2090	5.9500e-003	0.2149		757.5076	757.5076	0.0195		757.9950
Total	**0.3207**	**0.2025**	**2.3694**	**7.6000e-003**	**0.7830**	**6.4600e-003**	**0.7895**	**0.2090**	**5.9500e-003**	**0.2149**		**757.5076**	**757.5076**	**0.0195**		**757.9950**

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.2781					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**3.4588**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

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	0.0000	0.0000	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	0.3043	0.1846	2.2058	7.3600e-003	0.8495	6.3700e-003	0.8559	0.2253	5.8600e-003	0.2312		734.0109	734.0109	0.0179		734.4574
Total	**0.3043**	**0.1846**	**2.2058**	**7.3600e-003**	**0.8495**	**6.3700e-003**	**0.8559**	**0.2253**	**5.8600e-003**	**0.2312**		**734.0109**	**734.0109**	**0.0179**		**734.4574**

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	3.2781					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**3.4588**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

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	0.0000	0.0000	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	0.3043	0.1846	2.2058	7.3600e-003	0.7830	6.3700e-003	0.7894	0.2090	5.8600e-003	0.2148		734.0109	734.0109	0.0179		734.4574
Total	**0.3043**	**0.1846**	**2.2058**	**7.3600e-003**	**0.7830**	**6.3700e-003**	**0.7894**	**0.2090**	**5.8600e-003**	**0.2148**		**734.0109**	**734.0109**	**0.0179**		**734.4574**

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.2781					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**3.4489**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

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	0.0000	0.0000	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	0.2898	0.1689	2.0467	7.0800e-003	0.8495	6.2400e-003	0.8557	0.2253	5.7400e-003	0.2310		705.5968	705.5968	0.0163		706.0038
Total	**0.2898**	**0.1689**	**2.0467**	**7.0800e-003**	**0.8495**	**6.2400e-003**	**0.8557**	**0.2253**	**5.7400e-003**	**0.2310**		**705.5968**	**705.5968**	**0.0163**		**706.0038**

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	3.2781					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**3.4489**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

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	0.0000	0.0000	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	0.2898	0.1689	2.0467	7.0800e-003	0.7830	6.2400e-003	0.7893	0.2090	5.7400e-003	0.2147		705.5968	705.5968	0.0163		706.0038
Total	**0.2898**	**0.1689**	**2.0467**	**7.0800e-003**	**0.7830**	**6.2400e-003**	**0.7893**	**0.2090**	**5.7400e-003**	**0.2147**		**705.5968**	**705.5968**	**0.0163**		**706.0038**

3.7 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.1734					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0885**	**8.5816**	**14.5780**	**0.0228**		**0.4185**	**0.4185**		**0.3850**	**0.3850**		**2,206.7452**	**2,206.7452**	**0.7137**		**2,224.5878**

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	0.0000	0.0000	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	0.0572	0.0333	0.4040	1.4000e-003	0.1677	1.2300e-003	0.1689	0.0445	1.1300e-003	0.0456		139.2625	139.2625	3.2100e-003		139.3429
Total	**0.0572**	**0.0333**	**0.4040**	**1.4000e-003**	**0.1677**	**1.2300e-003**	**0.1689**	**0.0445**	**1.1300e-003**	**0.0456**		**139.2625**	**139.2625**	**3.2100e-003**		**139.3429**

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	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.1734					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0885**	**8.5816**	**14.5780**	**0.0228**		**0.4185**	**0.4185**		**0.3850**	**0.3850**	**0.0000**	**2,206.7452**	**2,206.7452**	**0.7137**		**2,224.5878**

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	0.0000	0.0000	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	0.0572	0.0333	0.4040	1.4000e-003	0.1546	1.2300e-003	0.1558	0.0413	1.1300e-003	0.0424		139.2625	139.2625	3.2100e-003		139.3429
Total	**0.0572**	**0.0333**	**0.4040**	**1.4000e-003**	**0.1546**	**1.2300e-003**	**0.1558**	**0.0413**	**1.1300e-003**	**0.0424**		**139.2625**	**139.2625**	**3.2100e-003**		**139.3429**

Phase 2 Construction

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	210.00	1000sqft	17.01	210,000.00	0
Research & Development	61.00	1000sqft	0.70	61,000.00	0
General Light Industry	20.00	1000sqft	0.93	20,000.00	0
Enclosed Parking with Elevator	1,250.00	Space	3.71	500,000.00	0
Parking Lot	3.97	Acre	3.97	172,900.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2023
Utility Company					
CO2 Intensity (lb/MWhr)	0	**CH4 Intensity (lb/MWhr)**	0	**N2O Intensity (lb/MWhr)**	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on information provided by the applicant.

Construction Phase - Based on information provided by the applicant.

Grading -

Demolition -

Trips and VMT - Assumes one water truck and two trips per day per truck.

Construction Off-road Equipment Mitigation - Per SCAQMD Rules 403 and 1186.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstructionPhase	NumDays	35.00	880.00
tblConstructionPhase	NumDays	440.00	900.00
tblConstructionPhase	NumDays	30.00	60.00
tblConstructionPhase	NumDays	45.00	60.00
tblConstructionPhase	NumDays	35.00	60.00
tblConstructionPhase	NumDays	20.00	40.00
tblConstructionPhase	PhaseEndDate	12/31/2020	12/26/2025
tblConstructionPhase	PhaseEndDate	12/31/2020	1/23/2025
tblConstructionPhase	PhaseEndDate	12/31/2020	3/25/2021
tblConstructionPhase	PhaseEndDate	12/31/2020	8/12/2021
tblConstructionPhase	PhaseEndDate	12/31/2020	4/17/2025
tblConstructionPhase	PhaseEndDate	12/31/2020	5/20/2021
tblConstructionPhase	PhaseStartDate	1/1/2021	8/13/2022
tblConstructionPhase	PhaseStartDate	1/1/2021	8/13/2021
tblConstructionPhase	PhaseStartDate	1/1/2021	5/21/2021
tblConstructionPhase	PhaseStartDate	1/1/2021	1/24/2025
tblConstructionPhase	PhaseStartDate	1/1/2021	3/26/2021
tblGrading	MaterialExported	0.00	11,265.00
tblLandUse	BuildingSpaceSquareFeet	172,889.64	172,900.00
tblLandUse	LandUseSquareFeet	172,889.64	172,900.00

tblLandUse	LotAcreage	4.82	17.01
tblLandUse	LotAcreage	1.40	0.70
tblLandUse	LotAcreage	0.46	0.93
tblLandUse	LotAcreage	11.25	3.71
tblProjectCharacteristics	OperationalYear	2018	2023
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.5179	5.2249	3.9028	0.0104	1.0221	0.1999	1.2219	0.4023	0.1854	0.5877	0.0000	942.8569	942.8569	0.1560	0.0000	946.7560
2022	0.6694	4.1865	4.5825	0.0144	0.7095	0.1175	0.8270	0.1914	0.1108	0.3022	0.0000	1,320.9956	1,320.9956	0.1169	0.0000	1,323.9178
2023	0.9239	3.6560	4.7047	0.0149	0.7761	0.1069	0.8830	0.2091	0.1010	0.3102	0.0000	1,363.2193	1,363.2193	0.1141	0.0000	1,366.0725
2024	0.9033	3.5300	4.5852	0.0148	0.7821	0.0950	0.8771	0.2107	0.0898	0.3005	0.0000	1,354.8609	1,354.8609	0.1129	0.0000	1,357.6835
2025	0.5380	0.6359	1.2092	2.8900e-003	0.1560	0.0249	0.1809	0.0416	0.0235	0.0652	0.0000	259.5060	259.5060	0.0302	0.0000	260.2610
Maximum	**0.9239**	**5.2249**	**4.7047**	**0.0149**	**1.0221**	**0.1999**	**1.2219**	**0.4023**	**0.1854**	**0.5877**	**0.0000**	**1,363.2193**	**1,363.2193**	**0.1560**	**0.0000**	**1,366.0725**

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					
2021	0.5179	5.2249	3.9028	0.0104	0.5844	0.1999	0.7842	0.2124	0.1854	0.3978	0.0000	942.8563	942.8563	0.1560	0.0000	946.7554
2022	0.6694	4.1865	4.5825	0.0144	0.6560	0.1175	0.7735	0.1783	0.1108	0.2891	0.0000	1,320.9952	1,320.9952	0.1169	0.0000	1,323.9174
2023	0.9239	3.6560	4.7047	0.0149	0.7174	0.1069	0.8243	0.1947	0.1010	0.2958	0.0000	1,363.2189	1,363.2189	0.1141	0.0000	1,366.0721
2024	0.9033	3.5300	4.5852	0.0148	0.7230	0.0950	0.8180	0.1962	0.0898	0.2860	0.0000	1,354.8605	1,354.8605	0.1129	0.0000	1,357.6831
2025	0.5380	0.6359	1.2092	2.8900e-003	0.1440	0.0249	0.1689	0.0387	0.0235	0.0622	0.0000	259.5059	259.5059	0.0302	0.0000	260.2609
Maximum	**0.9239**	**5.2249**	**4.7047**	**0.0149**	**0.7230**	**0.1999**	**0.8243**	**0.2124**	**0.1854**	**0.3978**	**0.0000**	**1,363.2189**	**1,363.2189**	**0.1560**	**0.0000**	**1,366.0721**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**18.02**	**0.00**	**15.57**	**22.27**	**0.00**	**15.01**	**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	1-1-2021	3-31-2021	1.2778	1.2778
2	4-1-2021	6-30-2021	1.6394	1.6394
3	7-1-2021	9-30-2021	1.5449	1.5449
4	10-1-2021	12-31-2021	1.2545	1.2545
5	1-1-2022	3-31-2022	1.1298	1.1298
6	4-1-2022	6-30-2022	1.1337	1.1337
7	7-1-2022	9-30-2022	1.2407	1.2407

8	**10-1-2022**	**12-31-2022**	1.3342	1.3342
9	**1-1-2023**	**3-31-2023**	1.1323	1.1323
10	**4-1-2023**	**6-30-2023**	1.1355	1.1355
11	**7-1-2023**	**9-30-2023**	1.1480	1.1480
12	**10-1-2023**	**12-31-2023**	1.1574	1.1574
13	**1-1-2024**	**3-31-2024**	1.0997	1.0997
14	**4-1-2024**	**6-30-2024**	1.0908	1.0908
15	**7-1-2024**	**9-30-2024**	1.1028	1.1028
16	**10-1-2024**	**12-31-2024**	1.1117	1.1117
17	**1-1-2025**	**3-31-2025**	0.6206	0.6206
18	**4-1-2025**	**6-30-2025**	0.2219	0.2219
19	**7-1-2025**	**9-30-2025**	0.1644	0.1644
		Highest	1.6394	1.6394

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2021	3/25/2021	5	60	
2	Site Preparation	Site Preparation	3/26/2021	5/20/2021	5	40	
3	Grading	Grading	5/21/2021	8/12/2021	5	60	
4	Building Construction	Building Construction	8/13/2021	1/23/2025	5	900	
5	Architectural Coating	Architectural Coating	8/13/2022	12/26/2025	5	880	
6	Paving	Paving	1/24/2025	4/17/2025	5	60	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 150

Acres of Paving: 7.68

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 436,500; Non-Residential Outdoor: 145,500; Striped Parking

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	2	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	76.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	378.00	158.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	2.00	958.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	2.00	1,408.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1037	0.0000	0.1037	0.0157	0.0000	0.0157	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0950	0.9432	0.6470	1.1600e-003		0.0465	0.0465		0.0432	0.0432	0.0000	102.0024	102.0024	0.0287	0.0000	102.7201
Total	**0.0950**	**0.9432**	**0.6470**	**1.1600e-003**	**0.1037**	**0.0465**	**0.1502**	**0.0157**	**0.0432**	**0.0589**	**0.0000**	**102.0024**	**102.0024**	**0.0287**	**0.0000**	**102.7201**

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	4.0300e-003	0.1326	0.0309	3.7000e-004	8.2300e-003	4.0000e-004	8.6300e-003	2.2600e-003	3.8000e-004	2.6400e-003	0.0000	36.5140	36.5140	2.5300e-003	0.0000	36.5774
Vendor	1.9000e-004	5.9200e-003	1.6100e-003	2.0000e-005	3.8000e-004	1.0000e-005	3.9000e-004	1.1000e-004	1.0000e-005	1.2000e-004	0.0000	1.4790	1.4790	9.0000e-005	0.0000	1.4813
Worker	1.9400e-003	1.5100e-003	0.0170	5.0000e-005	4.9300e-003	4.0000e-005	4.9700e-003	1.3100e-003	4.0000e-005	1.3500e-003	0.0000	4.4501	4.4501	1.3000e-004	0.0000	4.4534
Total	**6.1600e-003**	**0.1400**	**0.0496**	**4.4000e-004**	**0.0135**	**4.5000e-004**	**0.0140**	**3.6800e-003**	**4.3000e-004**	**4.1100e-003**	**0.0000**	**42.4431**	**42.4431**	**2.7500e-003**	**0.0000**	**42.5120**

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					0.0443	0.0000	0.0443	6.7100e-003	0.0000	6.7100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0950	0.9432	0.6470	1.1600e-003		0.0465	0.0465		0.0432	0.0432	0.0000	102.0022	102.0022	0.0287	0.0000	102.7200
Total	**0.0950**	**0.9432**	**0.6470**	**1.1600e-003**	**0.0443**	**0.0465**	**0.0909**	**6.7100e-003**	**0.0432**	**0.0499**	**0.0000**	**102.0022**	**102.0022**	**0.0287**	**0.0000**	**102.7200**

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	4.0300e-003	0.1326	0.0309	3.7000e-004	7.6800e-003	4.0000e-004	8.0700e-003	2.1200e-003	3.8000e-004	2.5000e-003	0.0000	36.5140	36.5140	2.5300e-003	0.0000	36.5774
Vendor	1.9000e-004	5.9200e-003	1.6100e-003	2.0000e-005	3.5000e-004	1.0000e-005	3.7000e-004	1.0000e-004	1.0000e-005	1.1000e-004	0.0000	1.4790	1.4790	9.0000e-005	0.0000	1.4813
Worker	1.9400e-003	1.5100e-003	0.0170	5.0000e-005	4.5500e-003	4.0000e-005	4.5900e-003	1.2200e-003	4.0000e-005	1.2500e-003	0.0000	4.4501	4.4501	1.3000e-004	0.0000	4.4534
Total	**6.1600e-003**	**0.1400**	**0.0496**	**4.4000e-004**	**0.0126**	**4.5000e-004**	**0.0130**	**3.4400e-003**	**4.3000e-004**	**3.8600e-003**	**0.0000**	**42.4431**	**42.4431**	**2.7500e-003**	**0.0000**	**42.5120**

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3613	0.0000	0.3613	0.1986	0.0000	0.1986	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0778	0.8099	0.4231	7.6000e-004		0.0409	0.0409		0.0376	0.0376	0.0000	66.8714	66.8714	0.0216	0.0000	67.4121
Total	**0.0778**	**0.8099**	**0.4231**	**7.6000e-004**	**0.3613**	**0.0409**	**0.4022**	**0.1986**	**0.0376**	**0.2362**	**0.0000**	**66.8714**	**66.8714**	**0.0216**	**0.0000**	**67.4121**

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	1.2000e-004	3.9500e-003	1.0700e-003	1.0000e-005	2.5000e-004	1.0000e-005	2.6000e-004	7.0000e-005	1.0000e-005	8.0000e-005	0.0000	0.9860	0.9860	6.0000e-005	0.0000	0.9875
Worker	1.5500e-003	1.2100e-003	0.0136	4.0000e-005	3.9400e-003	3.0000e-005	3.9800e-003	1.0500e-003	3.0000e-005	1.0800e-003	0.0000	3.5601	3.5601	1.0000e-004	0.0000	3.5627
Total	**1.6700e-003**	**5.1600e-003**	**0.0147**	**5.0000e-005**	**4.1900e-003**	**4.0000e-005**	**4.2400e-003**	**1.1200e-003**	**4.0000e-005**	**1.1600e-003**	**0.0000**	**4.5461**	**4.5461**	**1.6000e-004**	**0.0000**	**4.5502**

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					0.1545	0.0000	0.1545	0.0849	0.0000	0.0849	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0778	0.8099	0.4231	7.6000e-004		0.0409	0.0409		0.0376	0.0376	0.0000	66.8714	66.8714	0.0216	0.0000	67.4120
Total	**0.0778**	**0.8099**	**0.4231**	**7.6000e-004**	**0.1545**	**0.0409**	**0.1954**	**0.0849**	**0.0376**	**0.1225**	**0.0000**	**66.8714**	**66.8714**	**0.0216**	**0.0000**	**67.4120**

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	1.2000e-004	3.9500e-003	1.0700e-003	1.0000e-005	2.4000e-004	1.0000e-005	2.4000e-004	7.0000e-005	1.0000e-005	8.0000e-005	0.0000	0.9860	0.9860	6.0000e-005	0.0000	0.9875
Worker	1.5500e-003	1.2100e-003	0.0136	4.0000e-005	3.6400e-003	3.0000e-005	3.6700e-003	9.7000e-004	3.0000e-005	1.0000e-003	0.0000	3.5601	3.5601	1.0000e-004	0.0000	3.5627
Total	**1.6700e-003**	**5.1600e-003**	**0.0147**	**5.0000e-005**	**3.8800e-003**	**4.0000e-005**	**3.9100e-003**	**1.0400e-003**	**4.0000e-005**	**1.0800e-003**	**0.0000**	**4.5461**	**4.5461**	**1.6000e-004**	**0.0000**	**4.5502**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2608	0.0000	0.2608	0.1080	0.0000	0.1080	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1257	1.3920	0.9264	1.8600e-003		0.0596	0.0596		0.0548	0.0548	0.0000	163.4849	163.4849	0.0529	0.0000	164.8068
Total	**0.1257**	**1.3920**	**0.9264**	**1.8600e-003**	**0.2608**	**0.0596**	**0.3204**	**0.1080**	**0.0548**	**0.1628**	**0.0000**	**163.4849**	**163.4849**	**0.0529**	**0.0000**	**164.8068**

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	5.9300e-003	0.1949	0.0454	5.5000e-004	0.0121	5.8000e-004	0.0127	3.3200e-003	5.6000e-004	3.8800e-003	0.0000	53.6657	53.6657	3.7200e-003	0.0000	53.7588
Vendor	1.9000e-004	5.9200e-003	1.6100e-003	2.0000e-005	3.8000e-004	1.0000e-005	3.9000e-004	1.1000e-004	1.0000e-005	1.2000e-004	0.0000	1.4790	1.4790	9.0000e-005	0.0000	1.4813
Worker	2.5800e-003	2.0100e-003	0.0227	7.0000e-005	6.5700e-003	5.0000e-005	6.6300e-003	1.7500e-003	5.0000e-005	1.8000e-003	0.0000	5.9335	5.9335	1.7000e-004	0.0000	5.9379
Total	**8.7000e-003**	**0.2028**	**0.0697**	**6.4000e-004**	**0.0191**	**6.4000e-004**	**0.0197**	**5.1800e-003**	**6.2000e-004**	**5.8000e-003**	**0.0000**	**61.0781**	**61.0781**	**3.9800e-003**	**0.0000**	**61.1779**

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					0.1115	0.0000	0.1115	0.0462	0.0000	0.0462	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1257	1.3920	0.9264	1.8600e-003		0.0596	0.0596		0.0548	0.0548	0.0000	163.4848	163.4848	0.0529	0.0000	164.8066
Total	**0.1257**	**1.3920**	**0.9264**	**1.8600e-003**	**0.1115**	**0.0596**	**0.1711**	**0.0462**	**0.0548**	**0.1010**	**0.0000**	**163.4848**	**163.4848**	**0.0529**	**0.0000**	**164.8066**

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	5.9300e-003	0.1949	0.0454	5.5000e-004	0.0113	5.8000e-004	0.0119	3.1200e-003	5.6000e-004	3.6800e-003	0.0000	53.6657	53.6657	3.7200e-003	0.0000	53.7588

Vendor	1.9000e-004	5.9200e-003	1.6100e-003	2.0000e-005	3.5000e-004	1.0000e-005	3.7000e-004	1.0000e-004	1.0000e-005	1.1000e-004	0.0000	1.4790	1.4790	9.0000e-005	0.0000	1.4813
Worker	2.5800e-003	2.0100e-003	0.0227	7.0000e-005	6.0600e-003	5.0000e-005	6.1200e-003	1.6200e-003	5.0000e-005	1.6700e-003	0.0000	5.9335	5.9335	1.7000e-004	0.0000	5.9379
Total	**8.7000e-003**	**0.2028**	**0.0697**	**6.4000e-004**	**0.0177**	**6.4000e-004**	**0.0184**	**4.8400e-003**	**6.2000e-004**	**5.4600e-003**	**0.0000**	**61.0781**	**61.0781**	**3.9800e-003**	**0.0000**	**61.1779**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0960	0.8803	0.8371	1.3600e-003		0.0484	0.0484		0.0455	0.0455	0.0000	116.9768	116.9768	0.0282	0.0000	117.6824
Total	**0.0960**	**0.8803**	**0.8371**	**1.3600e-003**		**0.0484**	**0.0484**		**0.0455**	**0.0455**	**0.0000**	**116.9768**	**116.9768**	**0.0282**	**0.0000**	**117.6824**

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	0.0248	0.7874	0.2135	2.0300e-003	0.0503	1.6100e-003	0.0519	0.0145	1.5400e-003	0.0160	0.0000	196.6796	196.6796	0.0121	0.0000	196.9812

Worker	0.0821	0.0639	0.7219	2.0900e-003	0.2092	1.7200e-003	0.2109	0.0556	1.5900e-003	0.0572	0.0000	188.7744	188.7744	5.5500e-003	0.0000	188.9133
Total	**0.1069**	**0.8514**	**0.9354**	**4.1200e-003**	**0.2594**	**3.3300e-003**	**0.2628**	**0.0701**	**3.1300e-003**	**0.0732**	**0.0000**	**385.4540**	**385.4540**	**0.0176**	**0.0000**	**385.8945**

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	0.0960	0.8803	0.8371	1.3600e-003		0.0484	0.0484		0.0455	0.0455	0.0000	116.9767	116.9767	0.0282	0.0000	117.6822
Total	**0.0960**	**0.8803**	**0.8371**	**1.3600e-003**		**0.0484**	**0.0484**		**0.0455**	**0.0455**	**0.0000**	**116.9767**	**116.9767**	**0.0282**	**0.0000**	**117.6822**

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	0.0248	0.7874	0.2135	2.0300e-003	0.0471	1.6100e-003	0.0487	0.0137	1.5400e-003	0.0153	0.0000	196.6796	196.6796	0.0121	0.0000	196.9812
Worker	0.0821	0.0639	0.7219	2.0900e-003	0.1929	1.7200e-003	0.1946	0.0516	1.5900e-003	0.0531	0.0000	188.7744	188.7744	5.5500e-003	0.0000	188.9133

Total	**0.1069**	**0.8514**	**0.9354**	**4.1200e-003**	**0.2399**	**3.3300e-003**	**0.2432**	**0.0653**	**3.1300e-003**	**0.0684**	**0.0000**	**385.4540**	**385.4540**	**0.0176**	**0.0000**	**385.8945**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2218	2.0300	2.1272	3.5000e-003		0.1052	0.1052		0.0990	0.0990	0.0000	301.2428	301.2428	0.0722	0.0000	303.0471
Total	**0.2218**	**2.0300**	**2.1272**	**3.5000e-003**		**0.1052**	**0.1052**		**0.0990**	**0.0990**	**0.0000**	**301.2428**	**301.2428**	**0.0722**	**0.0000**	**303.0471**

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	0.0599	1.9259	0.5200	5.1700e-003	0.1294	3.6100e-003	0.1330	0.0373	3.4600e-003	0.0408	0.0000	501.8570	501.8570	0.0300	0.0000	502.6064
Worker	0.1983	0.1487	1.7122	5.1900e-003	0.5385	4.3000e-003	0.5428	0.1430	3.9600e-003	0.1470	0.0000	468.8717	468.8717	0.0129	0.0000	469.1945
Total	**0.2581**	**2.0745**	**2.2322**	**0.0104**	**0.6679**	**7.9100e-003**	**0.6758**	**0.1804**	**7.4200e-003**	**0.1878**	**0.0000**	**970.7286**	**970.7286**	**0.0429**	**0.0000**	**971.8008**

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	0.2218	2.0300	2.1272	3.5000e-003		0.1052	0.1052		0.0990	0.0990	0.0000	301.2425	301.2425	0.0722	0.0000	303.0467
Total	**0.2218**	**2.0300**	**2.1272**	**3.5000e-003**		**0.1052**	**0.1052**		**0.0990**	**0.0990**	**0.0000**	**301.2425**	**301.2425**	**0.0722**	**0.0000**	**303.0467**

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	0.0599	1.9259	0.5200	5.1700e-003	0.1211	3.6100e-003	0.1248	0.0353	3.4600e-003	0.0388	0.0000	501.8570	501.8570	0.0300	0.0000	502.6064
Worker	0.1983	0.1487	1.7122	5.1900e-003	0.4965	4.3000e-003	0.5008	0.1327	3.9600e-003	0.1367	0.0000	468.8717	468.8717	0.0129	0.0000	469.1945
Total	**0.2581**	**2.0745**	**2.2322**	**0.0104**	**0.6176**	**7.9100e-003**	**0.6255**	**0.1680**	**7.4200e-003**	**0.1755**	**0.0000**	**970.7286**	**970.7286**	**0.0429**	**0.0000**	**971.8008**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383
Total	**0.2045**	**1.8700**	**2.1117**	**3.5000e-003**		**0.0910**	**0.0910**		**0.0856**	**0.0856**	**0.0000**	**301.3462**	**301.3462**	**0.0717**	**0.0000**	**303.1383**

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	0.0445	1.4550	0.4665	5.0000e-003	0.1294	1.7000e-003	0.1311	0.0373	1.6200e-003	0.0390	0.0000	486.1457	486.1457	0.0265	0.0000	486.8080
Worker	0.1864	0.1345	1.5745	5.0000e-003	0.5385	4.1800e-003	0.5427	0.1430	3.8500e-003	0.1469	0.0000	451.7143	451.7143	0.0116	0.0000	452.0050
Total	**0.2309**	**1.5895**	**2.0410**	**0.0100**	**0.6679**	**5.8800e-003**	**0.6737**	**0.1804**	**5.4700e-003**	**0.1858**	**0.0000**	**937.8600**	**937.8600**	**0.0381**	**0.0000**	**938.8130**

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	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380
Total	**0.2045**	**1.8700**	**2.1117**	**3.5000e-003**		**0.0910**	**0.0910**		**0.0856**	**0.0856**	**0.0000**	**301.3458**	**301.3458**	**0.0717**	**0.0000**	**303.1380**

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	0.0445	1.4550	0.4665	5.0000e-003	0.1212	1.7000e-003	0.1229	0.0353	1.6200e-003	0.0369	0.0000	486.1457	486.1457	0.0265	0.0000	486.8080
Worker	0.1864	0.1345	1.5745	5.0000e-003	0.4965	4.1800e-003	0.5007	0.1327	3.8500e-003	0.1366	0.0000	451.7143	451.7143	0.0116	0.0000	452.0050
Total	**0.2309**	**1.5895**	**2.0410**	**0.0100**	**0.6176**	**5.8800e-003**	**0.6235**	**0.1680**	**5.4700e-003**	**0.1735**	**0.0000**	**937.8600**	**937.8600**	**0.0381**	**0.0000**	**938.8130**

3.5 Building Construction - 2024

Unmitigated Construction On-Site

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

Category	tons/yr										MT/yr					
Off-Road	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179
Total	**0.1928**	**1.7611**	**2.1179**	**3.5300e-003**		**0.0803**	**0.0803**		**0.0756**	**0.0756**	**0.0000**	**303.7223**	**303.7223**	**0.0718**	**0.0000**	**305.5179**

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	0.0437	1.4607	0.4557	5.0200e-003	0.1304	1.6900e-003	0.1321	0.0376	1.6100e-003	0.0392	0.0000	487.9337	487.9337	0.0263	0.0000	488.5912
Worker	0.1779	0.1236	1.4775	4.8800e-003	0.5426	4.1500e-003	0.5468	0.1441	3.8200e-003	0.1479	0.0000	441.0754	441.0754	0.0107	0.0000	441.3439
Total	**0.2216**	**1.5843**	**1.9332**	**9.9000e-003**	**0.6730**	**5.8400e-003**	**0.6788**	**0.1818**	**5.4300e-003**	**0.1872**	**0.0000**	**929.0091**	**929.0091**	**0.0370**	**0.0000**	**929.9351**

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	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175
Total	**0.1928**	**1.7611**	**2.1179**	**3.5300e-003**		**0.0803**	**0.0803**		**0.0756**	**0.0756**	**0.0000**	**303.7220**	**303.7220**	**0.0718**	**0.0000**	**305.5175**

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	0.0437	1.4607	0.4557	5.0200e-003	0.1221	1.6900e-003	0.1238	0.0356	1.6100e-003	0.0372	0.0000	487.9337	487.9337	0.0263	0.0000	488.5912
Worker	0.1779	0.1236	1.4775	4.8800e-003	0.5003	4.1500e-003	0.5044	0.1337	3.8200e-003	0.1376	0.0000	441.0754	441.0754	0.0107	0.0000	441.3439
Total	**0.2216**	**1.5843**	**1.9332**	**9.9000e-003**	**0.6224**	**5.8400e-003**	**0.6282**	**0.1693**	**5.4300e-003**	**0.1748**	**0.0000**	**929.0091**	**929.0091**	**0.0370**	**0.0000**	**929.9351**

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0116	0.1060	0.1367	2.3000e-004		4.4800e-003	4.4800e-003		4.2200e-003	4.2200e-003	0.0000	19.7132	19.7132	4.6300e-003	0.0000	19.8290

Total	**0.0116**	**0.1060**	**0.1367**	**2.3000e-004**		**4.4800e-003**	**4.4800e-003**		**4.2200e-003**	**4.2200e-003**	**0.0000**	**19.7132**	**19.7132**	**4.6300e-003**	**0.0000**	**19.8290**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.7600e-003	0.0940	0.0288	3.2000e-004	8.4600e-003	1.1000e-004	8.5700e-003	2.4400e-003	1.0000e-004	2.5400e-003	0.0000	31.4873	31.4873	1.6800e-003	0.0000	31.5294
Worker	0.0110	7.3400e-003	0.0890	3.0000e-004	0.0352	2.6000e-004	0.0355	9.3500e-003	2.4000e-004	9.5900e-003	0.0000	27.5112	27.5112	6.4000e-004	0.0000	27.5271
Total	**0.0137**	**0.1013**	**0.1178**	**6.2000e-004**	**0.0437**	**3.7000e-004**	**0.0440**	**0.0118**	**3.4000e-004**	**0.0121**	**0.0000**	**58.9985**	**58.9985**	**2.3200e-003**	**0.0000**	**59.0565**

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	0.0116	0.1060	0.1367	2.3000e-004		4.4800e-003	4.4800e-003		4.2200e-003	4.2200e-003	0.0000	19.7131	19.7131	4.6300e-003	0.0000	19.8290
Total	**0.0116**	**0.1060**	**0.1367**	**2.3000e-004**		**4.4800e-003**	**4.4800e-003**		**4.2200e-003**	**4.2200e-003**	**0.0000**	**19.7131**	**19.7131**	**4.6300e-003**	**0.0000**	**19.8290**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.7600e-003	0.0940	0.0288	3.2000e-004	7.9200e-003	1.1000e-004	8.0300e-003	2.3100e-003	1.0000e-004	2.4100e-003	0.0000	31.4873	31.4873	1.6800e-003	0.0000	31.5294
Worker	0.0110	7.3400e-003	0.0890	3.0000e-004	0.0325	2.6000e-004	0.0327	8.6800e-003	2.4000e-004	8.9200e-003	0.0000	27.5112	27.5112	6.4000e-004	0.0000	27.5271
Total	**0.0137**	**0.1013**	**0.1178**	**6.2000e-004**	**0.0404**	**3.7000e-004**	**0.0408**	**0.0110**	**3.4000e-004**	**0.0113**	**0.0000**	**58.9985**	**58.9985**	**2.3200e-003**	**0.0000**	**59.0565**

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1639					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0102	0.0704	0.0907	1.5000e-004		4.0900e-003	4.0900e-003		4.0900e-003	4.0900e-003	0.0000	12.7663	12.7663	8.3000e-004	0.0000	12.7871
Total	**0.1741**	**0.0704**	**0.0907**	**1.5000e-004**		**4.0900e-003**	**4.0900e-003**		**4.0900e-003**	**4.0900e-003**	**0.0000**	**12.7663**	**12.7663**	**8.3000e-004**	**0.0000**	**12.7871**

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	0.0153	0.0115	0.1324	4.0000e-004	0.0416	3.3000e-004	0.0420	0.0111	3.1000e-004	0.0114	0.0000	36.2579	36.2579	1.0000e-003	0.0000	36.2829
Total	**0.0153**	**0.0115**	**0.1324**	**4.0000e-004**	**0.0416**	**3.3000e-004**	**0.0420**	**0.0111**	**3.1000e-004**	**0.0114**	**0.0000**	**36.2579**	**36.2579**	**1.0000e-003**	**0.0000**	**36.2829**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1639					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0102	0.0704	0.0907	1.5000e-004		4.0900e-003	4.0900e-003		4.0900e-003	4.0900e-003	0.0000	12.7663	12.7663	8.3000e-004	0.0000	12.7870
Total	**0.1741**	**0.0704**	**0.0907**	**1.5000e-004**		**4.0900e-003**	**4.0900e-003**		**4.0900e-003**	**4.0900e-003**	**0.0000**	**12.7663**	**12.7663**	**8.3000e-004**	**0.0000**	**12.7870**

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	0.0153	0.0115	0.1324	4.0000e-004	0.0384	3.3000e-004	0.0387	0.0103	3.1000e-004	0.0106	0.0000	36.2579	36.2579	1.0000e-003	0.0000	36.2829
Total	**0.0153**	**0.0115**	**0.1324**	**4.0000e-004**	**0.0384**	**3.3000e-004**	**0.0387**	**0.0103**	**3.1000e-004**	**0.0106**	**0.0000**	**36.2579**	**36.2579**	**1.0000e-003**	**0.0000**	**36.2829**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4262					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0249	0.1694	0.2355	3.9000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003	0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2419
Total	**0.4511**	**0.1694**	**0.2355**	**3.9000e-004**		**9.2100e-003**	**9.2100e-003**		**9.2100e-003**	**9.2100e-003**	**0.0000**	**33.1923**	**33.1923**	**1.9900e-003**	**0.0000**	**33.2419**

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	0.0375	0.0270	0.3166	1.0000e-003	0.1083	8.4000e-004	0.1091	0.0288	7.7000e-004	0.0295	0.0000	90.8209	90.8209	2.3400e-003	0.0000	90.8793
Total	**0.0375**	**0.0270**	**0.3166**	**1.0000e-003**	**0.1083**	**8.4000e-004**	**0.1091**	**0.0288**	**7.7000e-004**	**0.0295**	**0.0000**	**90.8209**	**90.8209**	**2.3400e-003**	**0.0000**	**90.8793**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4262					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0249	0.1694	0.2354	3.9000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003	0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2419
Total	**0.4511**	**0.1694**	**0.2354**	**3.9000e-004**		**9.2100e-003**	**9.2100e-003**		**9.2100e-003**	**9.2100e-003**	**0.0000**	**33.1923**	**33.1923**	**1.9900e-003**	**0.0000**	**33.2419**

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	0.0375	0.0270	0.3166	1.0000e-003	0.0998	8.4000e-004	0.1007	0.0267	7.7000e-004	0.0275	0.0000	90.8209	90.8209	2.3400e-003	0.0000	90.8793
Total	**0.0375**	**0.0270**	**0.3166**	**1.0000e-003**	**0.0998**	**8.4000e-004**	**0.1007**	**0.0267**	**7.7000e-004**	**0.0275**	**0.0000**	**90.8209**	**90.8209**	**2.3400e-003**	**0.0000**	**90.8793**

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4294					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0237	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947
Total	**0.4531**	**0.1597**	**0.2371**	**3.9000e-004**		**7.9800e-003**	**7.9800e-003**		**7.9800e-003**	**7.9800e-003**	**0.0000**	**33.4476**	**33.4476**	**1.8800e-003**	**0.0000**	**33.4947**

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	0.0358	0.0249	0.2971	9.8000e-004	0.1091	8.3000e-004	0.1099	0.0290	7.7000e-004	0.0297	0.0000	88.6818	88.6818	2.1600e-003	0.0000	88.7358
Total	**0.0358**	**0.0249**	**0.2971**	**9.8000e-004**	**0.1091**	**8.3000e-004**	**0.1099**	**0.0290**	**7.7000e-004**	**0.0297**	**0.0000**	**88.6818**	**88.6818**	**2.1600e-003**	**0.0000**	**88.7358**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4294					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0237	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947
Total	**0.4531**	**0.1597**	**0.2371**	**3.9000e-004**		**7.9800e-003**	**7.9800e-003**		**7.9800e-003**	**7.9800e-003**	**0.0000**	**33.4476**	**33.4476**	**1.8800e-003**	**0.0000**	**33.4947**

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	0.0358	0.0249	0.2971	9.8000e-004	0.1006	8.3000e-004	0.1014	0.0269	7.7000e-004	0.0277	0.0000	88.6818	88.6818	2.1600e-003	0.0000	88.7358
Total	**0.0358**	**0.0249**	**0.2971**	**9.8000e-004**	**0.1006**	**8.3000e-004**	**0.1014**	**0.0269**	**7.7000e-004**	**0.0277**	**0.0000**	**88.6818**	**88.6818**	**2.1600e-003**	**0.0000**	**88.7358**

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4229					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0220	0.1478	0.2334	3.8000e-004		6.6400e-003	6.6400e-003		6.6400e-003	6.6400e-003	0.0000	32.9370	32.9370	1.8000e-003	0.0000	32.9819
Total	**0.4449**	**0.1478**	**0.2334**	**3.8000e-004**		**6.6400e-003**	**6.6400e-003**		**6.6400e-003**	**6.6400e-003**	**0.0000**	**32.9370**	**32.9370**	**1.8000e-003**	**0.0000**	**32.9819**

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	0.0335	0.0224	0.2715	9.3000e-004	0.1074	8.0000e-004	0.1082	0.0285	7.4000e-004	0.0293	0.0000	83.9465	83.9465	1.9400e-003	0.0000	83.9949
Total	**0.0335**	**0.0224**	**0.2715**	**9.3000e-004**	**0.1074**	**8.0000e-004**	**0.1082**	**0.0285**	**7.4000e-004**	**0.0293**	**0.0000**	**83.9465**	**83.9465**	**1.9400e-003**	**0.0000**	**83.9949**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4229					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0220	0.1478	0.2334	3.8000e-004		6.6400e-003	6.6400e-003		6.6400e-003	6.6400e-003	0.0000	32.9369	32.9369	1.8000e-003	0.0000	32.9819
Total	**0.4449**	**0.1478**	**0.2334**	**3.8000e-004**		**6.6400e-003**	**6.6400e-003**		**6.6400e-003**	**6.6400e-003**	**0.0000**	**32.9369**	**32.9369**	**1.8000e-003**	**0.0000**	**32.9819**

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	0.0335	0.0224	0.2715	9.3000e-004	0.0991	8.0000e-004	0.0999	0.0265	7.4000e-004	0.0272	0.0000	83.9465	83.9465	1.9400e-003	0.0000	83.9949

Total	**0.0335**	**0.0224**	**0.2715**	**9.3000e-004**	**0.0991**	**8.0000e-004**	**0.0999**	**0.0265**	**7.4000e-004**	**0.0272**	**0.0000**	**83.9465**	**83.9465**	**1.9400e-003**	**0.0000**	**83.9949**

3.7 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0275	0.2575	0.4373	6.8000e-004		0.0126	0.0126		0.0116	0.0116	0.0000	60.0578	60.0578	0.0194	0.0000	60.5434
Paving	5.2000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0327**	**0.2575**	**0.4373**	**6.8000e-004**		**0.0126**	**0.0126**		**0.0116**	**0.0116**	**0.0000**	**60.0578**	**60.0578**	**0.0194**	**0.0000**	**60.5434**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5400e-003	1.0300e-003	0.0125	4.0000e-005	4.9300e-003	4.0000e-005	4.9700e-003	1.3100e-003	3.0000e-005	1.3400e-003	0.0000	3.8531	3.8531	9.0000e-005	0.0000	3.8553
Total	**1.5400e-003**	**1.0300e-003**	**0.0125**	**4.0000e-005**	**4.9300e-003**	**4.0000e-005**	**4.9700e-003**	**1.3100e-003**	**3.0000e-005**	**1.3400e-003**	**0.0000**	**3.8531**	**3.8531**	**9.0000e-005**	**0.0000**	**3.8553**

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	0.0275	0.2575	0.4373	6.8000e-004		0.0126	0.0126		0.0116	0.0116	0.0000	60.0577	60.0577	0.0194	0.0000	60.5433
Paving	5.2000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0327**	**0.2575**	**0.4373**	**6.8000e-004**		**0.0126**	**0.0126**		**0.0116**	**0.0116**	**0.0000**	**60.0577**	**60.0577**	**0.0194**	**0.0000**	**60.5433**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5400e-003	1.0300e-003	0.0125	4.0000e-005	4.5500e-003	4.0000e-005	4.5800e-003	1.2200e-003	3.0000e-005	1.2500e-003	0.0000	3.8531	3.8531	9.0000e-005	0.0000	3.8553
Total	**1.5400e-003**	**1.0300e-003**	**0.0125**	**4.0000e-005**	**4.5500e-003**	**4.0000e-005**	**4.5800e-003**	**1.2200e-003**	**3.0000e-005**	**1.2500e-003**	**0.0000**	**3.8531**	**3.8531**	**9.0000e-005**	**0.0000**	**3.8553**

Phase 2 Construction

Los Angeles-South Coast, Summary Report

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	210.00	1000sqft	17.01	210,000.00	0
Research & Development	61.00	1000sqft	0.70	61,000.00	0
General Light Industry	20.00	1000sqft	0.93	20,000.00	0
Enclosed Parking with Elevator	1,250.00	Space	3.71	500,000.00	0
Parking Lot	3.97	Acre	3.97	172,900.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2023
Utility Company					
CO2 Intensity (lb/MWhr)	0	**CH4 Intensity (lb/MWhr)**	0	**N2O Intensity (lb/MWhr)**	0

1.3 User Entered Comments

Only CalEEMod defaults were used.

Project Characteristics -

Land Use - Based on information provided by the applicant.

Construction Phase - Based on information provided by the applicant.

Grading -

Demolition -

Trips and VMT - Assumes one water truck and two trips per day per truck.

Construction Off-road Equipment Mitigation - Per SCAQMD Rules 403 and 1186.

2.0 Peak Daily Emissions

Peak Daily Construction Emissions

Peak Daily Construction Emissions

		Unmitigated						Mitigated					
		ROG	NOX	CO	SO2	PM10	PM2.5	ROG	NOX	CO	SO2	PM10	PM2.5
Year	Phase	lb/day											
2021	Demolition	3.3793 W	36.0188 W	23.2384 W	0.0535 S	5.4817 W	2.1034 W	3.3793 W	36.0188 W	23.2384 W	0.0535 S	3.4704 W	1.7958 W
2021	Site Preparation	3.9804 W	40.7496 W	21.9300 S	0.0406 S	20.3268 W	11.8705 W	3.9804 W	40.7496 W	21.9300 S	0.0406 S	9.9673 W	6.1811 W
2021	Grading	4.4933 W	53.0307 W	33.2362 W	0.0831 S	11.3484 W	5.6225 W	4.4933 W	53.0307 W	33.2362 W	0.0831 S	6.3245 W	3.5503 W
2021	Building Construction	4.2075 W	33.9734 W	35.8104 S	0.1108 S	6.2618 W	2.3755 W	4.2075 W	33.9734 W	35.8104 S	0.1108 S	5.8664 W	2.2784 W
2022	Building Construction	3.8724 W	31.2775 W	34.2044 S	0.1089 S	6.1071 W	2.2305 W	3.8724 W	31.2775 W	34.2044 S	0.1089 S	5.7117 W	2.1334 W
2023	Building Construction	3.5192 W	26.4106 W	32.6064 S	0.1060 S	5.9820 W	2.1127 W	3.5192 W	26.4106 W	32.6064 S	0.1060 S	5.5866 W	2.0156 W
2024	Building Construction	3.3279 W	25.3410 W	31.5482 S	0.1046 S	5.8950 W	2.0305 W	3.3279 W	25.3410 W	31.5482 S	0.1046 S	5.4995 W	1.9334 W
2025	Building Construction	3.1432 W	24.1957 W	30.5218 S	0.1028 S	5.8083 W	1.9490 W	3.1432 W	24.1957 W	30.5218 S	0.1028 S	5.4129 W	1.8519 W
2022	Architectural Coating	3.8230 W	1.6323 W	4.6378 S	0.0114 S	0.9379 S	0.3131 S	3.8230 W	1.6323 W	4.6378 S	0.0114 S	0.8714 S	0.2968 S
2023	Architectural Coating	3.7904 W	1.5055 W	4.4119 S	0.0110 S	0.9268 S	0.3021 S	3.7904 W	1.5055 W	4.4119 S	0.0110 S	0.8603 S	0.2858 S
2024	Architectural Coating	3.7631 W	1.4034 W	4.2347 S	0.0108 S	0.9168 S	0.2921 S	3.7631 W	1.4034 W	4.2347 S	0.0108 S	0.8503 S	0.2758 S
2025	Architectural Coating	3.7388 W	1.3144 W	4.0610 S	0.0105 S	0.9073 S	0.2825 S	3.7388 W	1.3144 W	4.0610 S	0.0105 S	0.8408 S	0.2662 S
2025	Paving	1.1457 W	8.6150 W	15.0224 S	0.0243 S	0.5874 S	0.4306 S	1.1457 W	8.6150 W	15.0224 S	0.0243 S	0.5743 S	0.4274 S
	Peak Daily Total	4.4933 W	53.0307 W	35.8104 S	0.1108 S	20.3268 W	11.8705 W	4.4933 W	53.0307 W	35.8104 S	0.1108 S	9.9673 W	6.1811 W
	Air District Threshold												
	Exceed Significance?												

3.0 Annual GHG Emissions

Annual GHG

Annual GHG

		Unmitigated				Mitigated			
		CO2	CH4	N2O	CO2e	CO2	CH4	N2O	CO2e
GHG Activity	Year	MT/yr							
Construction	2021	942.8569	0.1560	0.0000	946.7559	942.8563	0.1560	0.0000	946.7554
Construction	2022	1,320.9956	0.1169	0.0000	1,323.9179	1,320.9952	0.1169	0.0000	1,323.9175
Construction	2023	1,363.2193	0.1141	0.0000	1,366.0724	1,363.2189	0.1141	0.0000	1,366.0720
Construction	2024	1,354.8609	0.1129	0.0000	1,357.6836	1,354.8605	0.1129	0.0000	1,357.6832
Construction	2025	259.5060	0.0302	0.0000	260.2610	259.5059	0.0302	0.0000	260.2609
	Total								
	Significance Threshold								
	Exceed Significance?								

Phase 2 Construction

Los Angeles-South Coast County, Mitigation Report

Construction Mitigation Summary

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Demolition	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

OFFROAD Equipment Mitigation

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Air Compressors	Diesel	No Change	0	1	No Change	0.00
Excavators	Diesel	No Change	0	5	No Change	0.00
Concrete/Industrial Saws	Diesel	No Change	0	1	No Change	0.00
Cranes	Diesel	No Change	0	1	No Change	0.00
Forklifts	Diesel	No Change	0	3	No Change	0.00
Graders	Diesel	No Change	0	1	No Change	0.00
Pavers	Diesel	No Change	0	2	No Change	0.00
Rollers	Diesel	No Change	0	2	No Change	0.00
Rubber Tired Dozers	Diesel	No Change	0	6	No Change	0.00

Tractors/Loaders/Backhoes	Diesel	No Change	0	9	No Change	0.00
Generator Sets	Diesel	No Change	0	1	No Change	0.00
Paving Equipment	Diesel	No Change	0	2	No Change	0.00
Scrapers	Diesel	No Change	0	2	No Change	0.00
Welders	Diesel	No Change	0	1	No Change	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Unmitigated tons/yr						Unmitigated mt/yr					
Air Compressors	8.08600E-002	5.47250E-001	7.96630E-001	1.31000E-003	2.79200E-002	2.79200E-002	0.00000E+000	1.12343E+002	1.12343E+002	6.50000E-003	0.00000E+000	1.12506E+002
Concrete/Industrial Saws	1.15400E-002	9.11400E-002	1.10220E-001	1.90000E-004	5.19000E-003	5.19000E-003	0.00000E+000	1.61297E+001	1.61297E+001	9.40000E-004	0.00000E+000	1.61531E+001
Cranes	1.41000E-001	1.54950E+000	7.27880E-001	2.27000E-003	6.43000E-002	5.91600E-002	0.00000E+000	1.99609E+002	1.99609E+002	6.45600E-002	0.00000E+000	2.01223E+002
Excavators	3.43800E-002	3.23010E-001	4.90770E-001	7.80000E-004	1.56700E-002	1.44100E-002	0.00000E+000	6.80650E+001	6.80650E+001	2.20100E-002	0.00000E+000	6.86153E+001
Forklifts	1.43120E-001	1.33242E+000	1.55002E+000	2.06000E-003	8.42300E-002	7.74900E-002	0.00000E+000	1.81293E+002	1.81293E+002	5.86300E-002	0.00000E+000	1.82759E+002
Generator Sets	1.40320E-001	1.24729E+000	1.65204E+000	2.96000E-003	5.95600E-002	5.95600E-002	0.00000E+000	2.54343E+002	2.54343E+002	1.13500E-002	0.00000E+000	2.54627E+002
Graders	1.35900E-002	1.77740E-001	5.30200E-002	2.00000E-004	5.63000E-003	5.18000E-003	0.00000E+000	1.74638E+001	1.74638E+001	5.65000E-003	0.00000E+000	1.76050E+001
Pavers	1.04300E-002	9.49900E-002	1.73750E-001	2.80000E-004	4.45000E-003	4.09000E-003	0.00000E+000	2.47658E+001	2.47658E+001	8.01000E-003	0.00000E+000	2.49660E+001
Paving Equipment	8.81000E-003	7.58800E-002	1.52790E-001	2.40000E-004	3.75000E-003	3.45000E-003	0.00000E+000	2.14631E+001	2.14631E+001	6.94000E-003	0.00000E+000	2.16367E+001
Rollers	8.22000E-003	8.65800E-002	1.10800E-001	1.60000E-004	4.35000E-003	4.01000E-003	0.00000E+000	1.38289E+001	1.38289E+001	4.47000E-003	0.00000E+000	1.39407E+001
Rubber Tired Dozers	1.56950E-001	1.64569E+000	6.05670E-001	1.28000E-003	7.98700E-002	7.34800E-002	0.00000E+000	1.12584E+002	1.12584E+002	3.64100E-002	0.00000E+000	1.13494E+002
Scrapers	5.57700E-002	6.42170E-001	4.20280E-001	9.10000E-004	2.49800E-002	2.29800E-002	0.00000E+000	7.99000E+001	7.99000E+001	2.58400E-002	0.00000E+000	8.05461E+001
Tractors/Loaders/Backhoes	2.11340E-001	2.14039E+000	2.95971E+000	4.11000E-003	1.11150E-001	1.02260E-001	0.00000E+000	3.61272E+002	3.61272E+002	1.16840E-001	0.00000E+000	3.64193E+002
Welders	1.17100E-001	6.43330E-001	7.57370E-001	1.15000E-003	2.57800E-002	2.57800E-002	0.00000E+000	8.46993E+001	8.46993E+001	9.50000E-003	0.00000E+000	8.49369E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Mitigated tons/yr						Mitigated mt/yr					
Air Compressors	8.08600E-002	5.47250E-001	7.96630E-001	1.31000E-003	2.79200E-002	2.79200E-002	0.00000E+000	1.12343E+002	1.12343E+002	6.50000E-003	0.00000E+000	1.12505E+002
Concrete/Industrial Saws	1.15400E-002	9.11400E-002	1.10220E-001	1.90000E-004	5.19000E-003	5.19000E-003	0.00000E+000	1.61297E+001	1.61297E+001	9.40000E-004	0.00000E+000	1.61531E+001
Cranes	1.41000E-001	1.54950E+000	7.27880E-001	2.27000E-003	6.43000E-002	5.91600E-002	0.00000E+000	1.99609E+002	1.99609E+002	6.45600E-002	0.00000E+000	2.01223E+002

Excavators	3.43800E-002	3.23010E-001	4.90770E-001	7.80000E-004	1.56700E-002	1.44100E-002	0.00000E+000	6.80649E+001	6.80649E+001	2.20100E-002	0.00000E+000	6.86152E+001
Forklifts	1.43120E-001	1.33242E+000	1.55001E+000	2.06000E-003	8.42300E-002	7.74900E-002	0.00000E+000	1.81293E+002	1.81293E+002	5.86300E-002	0.00000E+000	1.82759E+002
Generator Sets	1.40320E-001	1.24728E+000	1.65204E+000	2.96000E-003	5.95600E-002	5.95600E-002	0.00000E+000	2.54343E+002	2.54343E+002	1.13500E-002	0.00000E+000	2.54627E+002
Graders	1.35900E-002	1.77740E-001	5.30200E-002	2.00000E-004	5.63000E-003	5.18000E-003	0.00000E+000	1.74638E+001	1.74638E+001	5.65000E-003	0.00000E+000	1.76050E+001
Pavers	1.04300E-002	9.49900E-002	1.73750E-001	2.80000E-004	4.45000E-003	4.09000E-003	0.00000E+000	2.47658E+001	2.47658E+001	8.01000E-003	0.00000E+000	2.49660E+001
Paving Equipment	8.81000E-003	7.58800E-002	1.52790E-001	2.40000E-004	3.75000E-003	3.45000E-003	0.00000E+000	2.14631E+001	2.14631E+001	6.94000E-003	0.00000E+000	2.16366E+001
Rollers	8.22000E-003	8.65800E-002	1.10800E-001	1.60000E-004	4.35000E-003	4.01000E-003	0.00000E+000	1.38289E+001	1.38289E+001	4.47000E-003	0.00000E+000	1.39407E+001
Rubber Tired Dozers	1.56950E-001	1.64569E+000	6.05670E-001	1.28000E-003	7.98700E-002	7.34800E-002	0.00000E+000	1.12584E+002	1.12584E+002	3.64100E-002	0.00000E+000	1.13494E+002
Scrapers	5.57700E-002	6.42170E-001	4.20280E-001	9.10000E-004	2.49800E-002	2.29800E-002	0.00000E+000	7.98999E+001	7.98999E+001	2.58400E-002	0.00000E+000	8.05460E+001
Tractors/Loaders/Backhoes	2.11340E-001	2.14039E+000	2.95970E+000	4.11000E-003	1.11150E-001	1.02260E-001	0.00000E+000	3.61272E+002	3.61272E+002	1.16840E-001	0.00000E+000	3.64193E+002
Welders	1.17100E-001	6.43330E-001	7.57370E-001	1.15000E-003	2.57800E-002	2.57800E-002	0.00000E+000	8.46992E+001	8.46992E+001	9.50000E-003	0.00000E+000	8.49368E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Air Compressors	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.15717E-006	1.15717E-006	0.00000E+000	0.00000E+000	1.15550E-006
Concrete/Industrial Saws	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.23995E-006	1.23995E-006	0.00000E+000	0.00000E+000	1.23815E-006
Cranes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.15225E-006	1.15225E-006	0.00000E+000	0.00000E+000	1.19271E-006
Excavators	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17535E-006	1.17535E-006	0.00000E+000	0.00000E+000	1.16592E-006
Forklifts	0.00000E+000	0.00000E+000	6.45153E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.21350E-006	1.21350E-006	0.00000E+000	0.00000E+000	1.20377E-006
Generator Sets	0.00000E+000	8.01738E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17951E-006	1.17951E-006	0.00000E+000	0.00000E+000	1.17819E-006
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.14523E-006	1.14523E-006	0.00000E+000	0.00000E+000	1.13604E-006
Pavers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.21135E-006	1.21135E-006	0.00000E+000	0.00000E+000	1.20163E-006
Paving Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	9.31831E-007	9.31831E-007	0.00000E+000	0.00000E+000	9.24357E-007
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.44625E-006	1.44625E-006	0.00000E+000	0.00000E+000	1.43465E-006
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.15469E-006	1.15469E-006	0.00000E+000	0.00000E+000	1.14543E-006
Scrapers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.25156E-006	1.25156E-006	0.00000E+000	0.00000E+000	1.24153E-006
Tractors/Loaders/Backhoes	0.00000E+000	0.00000E+000	3.37871E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.19024E-006	1.19024E-006	0.00000E+000	0.00000E+000	1.18069E-006
Welders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18065E-006	1.18065E-006	0.00000E+000	0.00000E+000	1.17735E-006

Fugitive Dust Mitigation

Yes/No	Mitigation Measure	Mitigation Input		Mitigation Input		Mitigation Input	
No	Soil Stabilizer for unpaved Roads	PM10 Reduction	0.00	PM2.5 Reduction	0.00		
Yes	Replace Ground Cover of Area Disturbed	PM10 Reduction	5.00	PM2.5 Reduction	5.00		
Yes	Water Exposed Area	PM10 Reduction	55.00	PM2.5 Reduction	55.00	Frequency (per day)	2.00
No	Unpaved Road Mitigation	Moisture Content %	0.00	Vehicle Speed (mph)	15.00		
Yes	Clean Paved Road	% PM Reduction	9.00				

		Unmitigated		Mitigated		Percent Reduction	
Phase	Source	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Architectural Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	Roads	0.37	0.10	0.34	0.09	0.08	0.07
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	2.31	0.62	2.14	0.58	0.08	0.07
Demolition	Fugitive Dust	0.10	0.02	0.04	0.01	0.57	0.57
Demolition	Roads	0.01	0.00	0.01	0.00	0.07	0.07
Grading	Fugitive Dust	0.26	0.11	0.11	0.05	0.57	0.57
Grading	Roads	0.02	0.01	0.02	0.00	0.07	0.07
Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Roads	0.00	0.00	0.00	0.00	0.08	0.07
Site Preparation	Fugitive Dust	0.36	0.20	0.15	0.08	0.57	0.57
Site Preparation	Roads	0.00	0.00	0.00	0.00	0.07	0.07

CalEEMod Output: Construction – Phase 3

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Phase 3 Construction

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	180.00	1000sqft	4.53	180,000.00	0
Medical Office Building	70.00	1000sqft	1.61	70,000.00	0
General Heavy Industry	10.00	1000sqft	0.23	10,000.00	0
General Light Industry	30.00	1000sqft	0.69	30,000.00	0
Parking Lot	1.30	Acre	1.30	56,700.00	0
Hotel	52.00	Room	1.72	75,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2028
Utility Company					
CO2 Intensity (lb/MWhr)	0	**CH4 Intensity (lb/MWhr)**	0	**N2O Intensity (lb/MWhr)**	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on information provided by the applicant.

Construction Phase - Based on information provided by the applicant.

Trips and VMT - Assumes one water truck and two trips per day per truck.

Demolition -

Grading -

Construction Off-road Equipment Mitigation - Per SCAQMD Rules 403 and 1186.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstructionPhase	NumDays	20.00	880.00
tblConstructionPhase	NumDays	300.00	900.00
tblConstructionPhase	NumDays	20.00	60.00
tblConstructionPhase	NumDays	30.00	60.00
tblConstructionPhase	NumDays	20.00	60.00
tblConstructionPhase	NumDays	10.00	40.00
tblConstructionPhase	PhaseEndDate	8/31/2033	12/26/2030
tblConstructionPhase	PhaseStartDate	4/18/2030	8/13/2027
tblFleetMix	FleetMixLandUseSubType	Hospital	General Heavy Industry
tblFleetMix	FleetMixLandUseSubType	Medical Office Building	General Light Industry
tblFleetMix	FleetMixLandUseSubType	General Heavy Industry	Hospital
tblFleetMix	FleetMixLandUseSubType	General Light Industry	Hotel
tblFleetMix	FleetMixLandUseSubType	Parking Lot	Medical Office Building
tblFleetMix	FleetMixLandUseSubType	Hotel	Parking Lot
tblGrading	MaterialExported	0.00	1,130.00
tblLandUse	BuildingSpaceSquareFeet	56,628.00	56,700.00
tblLandUse	BuildingSpaceSquareFeet	75,504.00	75,000.00
tblLandUse	LandUseSquareFeet	56,628.00	56,700.00
tblLandUse	LandUseSquareFeet	75,504.00	75,000.00

tblLandUse	LotAcreage	4.13	4.53
tblLandUse	LotAcreage	1.73	1.72
tblProjectCharacteristics	OperationalYear	2018	2028
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00

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					
2026	2.9819	28.4894	27.0622	0.0662	18.2803	1.1333	19.3686	9.9877	1.0427	10.9890	0.0000	6,436.0769	6,436.0769	1.9624	0.0000	6,485.1364
2027	6.0950	18.6137	23.9852	0.0634	2.4761	0.5979	3.0741	0.6667	0.5653	1.2320	0.0000	6,300.1869	6,300.1869	0.7417	0.0000	6,318.7284
2028	6.0644	18.5545	23.6924	0.0628	2.4762	0.5969	3.0730	0.6667	0.5643	1.2311	0.0000	6,243.9468	6,243.9468	0.7378	0.0000	6,262.3906
2029	6.0299	18.4955	23.3996	0.0623	2.4762	0.5959	3.0721	0.6667	0.5634	1.2302	0.0000	6,193.7704	6,193.7704	0.7340	0.0000	6,212.1202
2030	5.8967	13.6145	23.1922	0.0658	2.4762	0.3537	2.6606	0.6667	0.3534	0.8500	0.0000	6,489.9919	6,489.9919	0.2418	0.0000	6,496.0380
Maximum	**6.0950**	**28.4894**	**27.0622**	**0.0662**	**18.2803**	**1.1333**	**19.3686**	**9.9877**	**1.0427**	**10.9890**	**0.0000**	**6,489.9919**	**6,489.9919**	**1.9624**	**0.0000**	**6,496.0380**

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					
2026	2.9819	28.4894	27.0622	0.0662	7.9208	1.1333	9.0091	4.2984	1.0427	5.2997	0.0000	6,436.0769	6,436.0769	1.9624	0.0000	6,485.1364
2027	6.0950	18.6137	23.9852	0.0634	2.2886	0.5979	2.8866	0.6207	0.5653	1.1860	0.0000	6,300.1869	6,300.1869	0.7417	0.0000	6,318.7284
2028	6.0644	18.5545	23.6924	0.0628	2.2887	0.5969	2.8855	0.6207	0.5643	1.1850	0.0000	6,243.9468	6,243.9468	0.7378	0.0000	6,262.3906
2029	6.0299	18.4955	23.3996	0.0623	2.2887	0.5959	2.8846	0.6207	0.5634	1.1841	0.0000	6,193.7704	6,193.7704	0.7340	0.0000	6,212.1202
2030	5.8967	13.6145	23.1922	0.0658	2.2887	0.3537	2.4731	0.6207	0.3534	0.8040	0.0000	6,489.9919	6,489.9919	0.2418	0.0000	6,496.0380
Maximum	**6.0950**	**28.4894**	**27.0622**	**0.0662**	**7.9208**	**1.1333**	**9.0091**	**4.2984**	**1.0427**	**5.2997**	**0.0000**	**6,489.9919**	**6,489.9919**	**1.9624**	**0.0000**	**6,496.0380**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**39.42**	**0.00**	**35.55**	**46.41**	**0.00**	**37.81**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2026	3/25/2026	5	60	
2	Site Preparation	Site Preparation	3/26/2026	5/20/2026	5	40	
3	Grading	Grading	5/21/2026	8/12/2026	5	60	
4	Building Construction	Building Construction	8/13/2026	1/23/2030	5	900	
5	Architectural Coating	Architectural Coating	8/13/2027	12/26/2030	5	880	

6	Paving	Paving	1/24/2030	4/17/2030	5	60	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 150

Acres of Paving: 1.3

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 547,500; Non-Residential Outdoor: 182,500; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	2.00	785.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	2.00	141.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	152.00	69.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	30.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.8300	0.0000	2.8300	0.4285	0.0000	0.4285			0.0000			0.0000

Off-Road	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920		3,747.5996	3,747.5996	1.0464		3,773.7606
Total	**2.0926**	**19.1966**	**19.4184**	**0.0388**	**2.8300**	**0.8528**	**3.6828**	**0.4285**	**0.7920**	**1.2205**		**3,747.5996**	**3,747.5996**	**1.0464**		**3,773.7606**

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	0.0675	2.0731	0.7618	9.4500e-003	0.2288	3.7400e-003	0.2326	0.0627	3.5800e-003	0.0663		1,032.5257	1,032.5257	0.0686		1,034.2414
Vendor	3.9400e-003	0.1371	0.0402	4.8000e-004	0.0128	1.5000e-004	0.0130	3.6900e-003	1.5000e-004	3.8300e-003		51.9995	51.9995	2.6600e-003		52.0659
Worker	0.0485	0.0278	0.4156	1.4300e-003	0.1677	1.1900e-003	0.1689	0.0445	1.0900e-003	0.0456		142.7520	142.7520	3.1500e-003		142.8306
Total	**0.1199**	**2.2380**	**1.2176**	**0.0114**	**0.4093**	**5.0800e-003**	**0.4144**	**0.1109**	**4.8200e-003**	**0.1157**		**1,227.2771**	**1,227.2771**	**0.0744**		**1,229.1379**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.2098	0.0000	1.2098	0.1832	0.0000	0.1832			0.0000			0.0000
Off-Road	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606

Total	**2.0926**	**19.1966**	**19.4184**	**0.0388**	**1.2098**	**0.8528**	**2.0626**	**0.1832**	**0.7920**	**0.9752**	**0.0000**	**3,747.5996**	**3,747.5996**	**1.0464**		**3,773.7606**

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	0.0675	2.0731	0.7618	9.4500e-003	0.2133	3.7400e-003	0.2170	0.0589	3.5800e-003	0.0625		1,032.5257	1,032.5257	0.0686		1,034.2414
Vendor	3.9400e-003	0.1371	0.0402	4.8000e-004	0.0120	1.5000e-004	0.0121	3.4900e-003	1.5000e-004	3.6300e-003		51.9995	51.9995	2.6600e-003		52.0659
Worker	0.0485	0.0278	0.4156	1.4300e-003	0.1546	1.1900e-003	0.1557	0.0413	1.0900e-003	0.0423		142.7520	142.7520	3.1500e-003		142.8306
Total	**0.1199**	**2.2380**	**1.2176**	**0.0114**	**0.3798**	**5.0800e-003**	**0.3849**	**0.1037**	**4.8200e-003**	**0.1085**		**1,227.2771**	**1,227.2771**	**0.0744**		**1,229.1379**

3.3 Site Preparation - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.4727	25.2339	17.9118	0.0381		1.0868	1.0868		0.9999	0.9999		3,689.1037	3,689.1037	1.1931		3,718.9320
Total	**2.4727**	**25.2339**	**17.9118**	**0.0381**	**18.0663**	**1.0868**	**19.1531**	**9.9307**	**0.9999**	**10.9305**		**3,689.1037**	**3,689.1037**	**1.1931**		**3,718.9320**

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	3.9400e-003	0.1371	0.0402	4.8000e-004	0.0128	1.5000e-004	0.0130	3.6900e-003	1.5000e-004	3.8300e-003		51.9995	51.9995	2.6600e-003		52.0659
Worker	0.0582	0.0333	0.4987	1.7200e-003	0.2012	1.4300e-003	0.2026	0.0534	1.3100e-003	0.0547		171.3023	171.3023	3.7800e-003		171.3968
Total	**0.0621**	**0.1704**	**0.5389**	**2.2000e-003**	**0.2140**	**1.5800e-003**	**0.2156**	**0.0571**	**1.4600e-003**	**0.0585**		**223.3018**	**223.3018**	**6.4400e-003**		**223.4627**

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					7.7233	0.0000	7.7233	4.2454	0.0000	4.2454			0.0000			0.0000
Off-Road	2.4727	25.2339	17.9118	0.0381		1.0868	1.0868		0.9999	0.9999	0.0000	3,689.1037	3,689.1037	1.1931		3,718.9320
Total	**2.4727**	**25.2339**	**17.9118**	**0.0381**	**7.7233**	**1.0868**	**8.8101**	**4.2454**	**0.9999**	**5.2452**	**0.0000**	**3,689.1037**	**3,689.1037**	**1.1931**		**3,718.9320**

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	3.9400e-003	0.1371	0.0402	4.8000e-004	0.0120	1.5000e-004	0.0121	3.4900e-003	1.5000e-004	3.6300e-003		51.9995	51.9995	2.6600e-003		52.0659
Worker	0.0582	0.0333	0.4987	1.7200e-003	0.1855	1.4300e-003	0.1869	0.0495	1.3100e-003	0.0508		171.3023	171.3023	3.7800e-003		171.3968
Total	**0.0621**	**0.1704**	**0.5389**	**2.2000e-003**	**0.1974**	**1.5800e-003**	**0.1990**	**0.0530**	**1.4600e-003**	**0.0544**		**223.3018**	**223.3018**	**6.4400e-003**		**223.4627**

3.4 Grading - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6755	0.0000	8.6755	3.5968	0.0000	3.5968			0.0000			0.0000
Off-Road	2.9012	27.9429	26.3311	0.0621		1.1309	1.1309		1.0404	1.0404		6,008.2814	6,008.2814	1.9432		6,056.8614
Total	**2.9012**	**27.9429**	**26.3311**	**0.0621**	**8.6755**	**1.1309**	**9.8064**	**3.5968**	**1.0404**	**4.6372**		**6,008.2814**	**6,008.2814**	**1.9432**		**6,056.8614**

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	0.0121	0.3724	0.1368	1.7000e-003	0.0411	6.7000e-004	0.0418	0.0113	6.4000e-004	0.0119		185.4600	185.4600	0.0123		185.7682
Vendor	3.9400e-003	0.1371	0.0402	4.8000e-004	0.0128	1.5000e-004	0.0130	3.6900e-003	1.5000e-004	3.8300e-003		51.9995	51.9995	2.6600e-003		52.0659
Worker	0.0646	0.0370	0.5542	1.9100e-003	0.2236	1.5900e-003	0.2251	0.0593	1.4600e-003	0.0608		190.3359	190.3359	4.2000e-003		190.4409
Total	**0.0807**	**0.5465**	**0.7311**	**4.0900e-003**	**0.2775**	**2.4100e-003**	**0.2799**	**0.0743**	**2.2500e-003**	**0.0765**		**427.7955**	**427.7955**	**0.0192**		**428.2749**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.7088	0.0000	3.7088	1.5376	0.0000	1.5376			0.0000			0.0000
Off-Road	2.9012	27.9429	26.3311	0.0621		1.1309	1.1309		1.0404	1.0404	0.0000	6,008.2814	6,008.2814	1.9432		6,056.8614
Total	**2.9012**	**27.9429**	**26.3311**	**0.0621**	**3.7088**	**1.1309**	**4.8397**	**1.5376**	**1.0404**	**2.5781**	**0.0000**	**6,008.2814**	**6,008.2814**	**1.9432**		**6,056.8614**

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	0.0121	0.3724	0.1368	1.7000e-003	0.0383	6.7000e-004	0.0390	0.0106	6.4000e-004	0.0112		185.4600	185.4600	0.0123		185.7682
Vendor	3.9400e-003	0.1371	0.0402	4.8000e-004	0.0120	1.5000e-004	0.0121	3.4900e-003	1.5000e-004	3.6300e-003		51.9995	51.9995	2.6600e-003		52.0659
Worker	0.0646	0.0370	0.5542	1.9100e-003	0.2061	1.5900e-003	0.2077	0.0550	1.4600e-003	0.0565		190.3359	190.3359	4.2000e-003		190.4409
Total	**0.0807**	**0.5465**	**0.7311**	**4.0900e-003**	**0.2563**	**2.4100e-003**	**0.2588**	**0.0691**	**2.2500e-003**	**0.0713**		**427.7955**	**427.7955**	**0.0192**		**428.2749**

3.5 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	0.1358	4.7303	1.3851	0.0167	0.4418	5.3300e-003	0.4471	0.1272	5.0900e-003	0.1323		1,793.9827	1,793.9827	0.0916		1,796.2729
Worker	0.4913	0.2814	4.2115	0.0145	1.6990	0.0121	1.7111	0.4506	0.0111	0.4617		1,446.5531	1,446.5531	0.0319		1,447.3505
Total	**0.6271**	**5.0116**	**5.5967**	**0.0312**	**2.1408**	**0.0174**	**2.1582**	**0.5778**	**0.0162**	**0.5940**		**3,240.5357**	**3,240.5357**	**0.1235**		**3,243.6234**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	0.1358	4.7303	1.3851	0.0167	0.4135	5.3300e-003	0.4188	0.1203	5.0900e-003	0.1253		1,793.9827	1,793.9827	0.0916		1,796.2729
Worker	0.4913	0.2814	4.2115	0.0145	1.5661	0.0121	1.5781	0.4180	0.0111	0.4290		1,446.5531	1,446.5531	0.0319		1,447.3505
Total	**0.6271**	**5.0116**	**5.5967**	**0.0312**	**1.9795**	**0.0174**	**1.9969**	**0.5382**	**0.0162**	**0.5544**		**3,240.5357**	**3,240.5357**	**0.1235**		**3,243.6234**

3.5 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	0.1332	4.6877	1.3622	0.0166	0.4418	5.2300e-003	0.4470	0.1272	5.0000e-003	0.1322		1,785.3966	1,785.3966	0.0903		1,787.6541

Worker	0.4683	0.2596	3.9497	0.0140	1.6990	0.0114	1.7104	0.4506	0.0105	0.4611		1,400.4611	1,400.4611	0.0293		1,401.1932
Total	**0.6014**	**4.9473**	**5.3119**	**0.0307**	**2.1408**	**0.0166**	**2.1574**	**0.5778**	**0.0155**	**0.5933**		**3,185.8577**	**3,185.8577**	**0.1196**		**3,188.8472**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	0.1332	4.6877	1.3622	0.0166	0.4135	5.2300e-003	0.4187	0.1203	5.0000e-003	0.1253		1,785.3966	1,785.3966	0.0903		1,787.6541
Worker	0.4683	0.2596	3.9497	0.0140	1.5661	0.0114	1.5775	0.4180	0.0105	0.4284		1,400.4611	1,400.4611	0.0293		1,401.1932

Total	**0.6014**	**4.9473**	**5.3119**	**0.0307**	**1.9796**	**0.0166**	**1.9962**	**0.5382**	**0.0155**	**0.5537**		**3,185.8577**	**3,185.8577**	**0.1196**		**3,188.8472**

3.5 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	0.1309	4.6520	1.3437	0.0166	0.4418	5.1500e-003	0.4470	0.1272	4.9200e-003	0.1321		1,778.0239	1,778.0239	0.0891		1,780.2508
Worker	0.4446	0.2400	3.7206	0.0136	1.6990	0.0106	1.7096	0.4506	9.7200e-003	0.4603		1,359.6488	1,359.6488	0.0270		1,360.3248
Total	**0.5755**	**4.8920**	**5.0643**	**0.0302**	**2.1408**	**0.0157**	**2.1565**	**0.5778**	**0.0146**	**0.5924**		**3,137.6727**	**3,137.6727**	**0.1161**		**3,140.5756**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	0.1309	4.6520	1.3437	0.0166	0.4135	5.1500e-003	0.4186	0.1203	4.9200e-003	0.1252		1,778.0239	1,778.0239	0.0891		1,780.2508
Worker	0.4446	0.2400	3.7206	0.0136	1.5661	0.0106	1.5766	0.4180	9.7200e-003	0.4277		1,359.6488	1,359.6488	0.0270		1,360.3248
Total	**0.5755**	**4.8920**	**5.0643**	**0.0302**	**1.9796**	**0.0157**	**1.9953**	**0.5382**	**0.0146**	**0.5529**		**3,137.6727**	**3,137.6727**	**0.1161**		**3,140.5756**

3.5 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	0.1288	4.6162	1.3264	0.0165	0.4418	5.0500e-003	0.4469	0.1272	4.8300e-003	0.1320		1,771.4788	1,771.4788	0.0880		1,773.6788
Worker	0.4176	0.2206	3.4904	0.0133	1.6990	9.8300e-003	1.7088	0.4506	9.0400e-003	0.4596		1,323.2094	1,323.2094	0.0248		1,323.8293
Total	**0.5463**	**4.8368**	**4.8169**	**0.0297**	**2.1408**	**0.0149**	**2.1557**	**0.5778**	**0.0139**	**0.5917**		**3,094.6882**	**3,094.6882**	**0.1128**		**3,097.5081**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	0.1288	4.6162	1.3264	0.0165	0.4135	5.0500e-003	0.4186	0.1203	4.8300e-003	0.1251		1,771.4788	1,771.4788	0.0880		1,773.6788
Worker	0.4176	0.2206	3.4904	0.0133	1.5661	9.8300e-003	1.5759	0.4180	9.0400e-003	0.4270		1,323.2094	1,323.2094	0.0248		1,323.8293
Total	**0.5463**	**4.8368**	**4.8169**	**0.0297**	**1.9796**	**0.0149**	**1.9945**	**0.5382**	**0.0139**	**0.5521**		**3,094.6882**	**3,094.6882**	**0.1128**		**3,097.5081**

3.5 Building Construction - 2030

Unmitigated Construction On-Site

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

Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**		**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

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	0.1270	4.5816	1.3135	0.0164	0.4418	4.9600e-003	0.4468	0.1272	4.7400e-003	0.1320		1,765.5853	1,765.5853	0.0870		1,767.7604
Worker	0.3900	0.2021	3.2772	0.0129	1.6990	9.1700e-003	1.7082	0.4506	8.4300e-003	0.4590		1,290.6736	1,290.6736	0.0227		1,291.2416
Total	**0.5170**	**4.7837**	**4.5907**	**0.0294**	**2.1408**	**0.0141**	**2.1550**	**0.5778**	**0.0132**	**0.5910**		**3,056.2589**	**3,056.2589**	**0.1097**		**3,059.0020**

Mitigated Construction On-Site

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

Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

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	0.1270	4.5816	1.3135	0.0164	0.4135	4.9600e-003	0.4185	0.1203	4.7400e-003	0.1250		1,765.5853	1,765.5853	0.0870		1,767.7604
Worker	0.3900	0.2021	3.2772	0.0129	1.5661	9.1700e-003	1.5752	0.4180	8.4300e-003	0.4264		1,290.6736	1,290.6736	0.0227		1,291.2416
Total	**0.5170**	**4.7837**	**4.5907**	**0.0294**	**1.9796**	**0.0141**	**1.9937**	**0.5382**	**0.0132**	**0.5514**		**3,056.2589**	**3,056.2589**	**0.1097**		**3,059.0020**

3.6 Architectural Coating - 2027

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	3.8629					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**4.0337**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

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	0.0000	0.0000	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	0.0924	0.0512	0.7796	2.7700e-003	0.3353	2.2500e-003	0.3376	0.0889	2.0700e-003	0.0910		276.4068	276.4068	5.7800e-003		276.5513
Total	**0.0924**	**0.0512**	**0.7796**	**2.7700e-003**	**0.3353**	**2.2500e-003**	**0.3376**	**0.0889**	**2.0700e-003**	**0.0910**		**276.4068**	**276.4068**	**5.7800e-003**		**276.5513**

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	3.8629					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

Total	**4.0337**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

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	0.0000	0.0000	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	0.0924	0.0512	0.7796	2.7700e-003	0.3091	2.2500e-003	0.3113	0.0825	2.0700e-003	0.0846		276.4068	276.4068	5.7800e-003		276.5513
Total	**0.0924**	**0.0512**	**0.7796**	**2.7700e-003**	**0.3091**	**2.2500e-003**	**0.3113**	**0.0825**	**2.0700e-003**	**0.0846**		**276.4068**	**276.4068**	**5.7800e-003**		**276.5513**

3.6 Architectural Coating - 2028

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	3.8629					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**4.0337**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

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	0.0000	0.0000	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	0.0878	0.0474	0.7343	2.6900e-003	0.3353	2.0800e-003	0.3374	0.0889	1.9200e-003	0.0909		268.3517	268.3517	5.3400e-003		268.4852
Total	**0.0878**	**0.0474**	**0.7343**	**2.6900e-003**	**0.3353**	**2.0800e-003**	**0.3374**	**0.0889**	**1.9200e-003**	**0.0909**		**268.3517**	**268.3517**	**5.3400e-003**		**268.4852**

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	3.8629					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**4.0337**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

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	0.0000	0.0000	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	0.0878	0.0474	0.7343	2.6900e-003	0.3091	2.0800e-003	0.3112	0.0825	1.9200e-003	0.0844		268.3517	268.3517	5.3400e-003		268.4852
Total	**0.0878**	**0.0474**	**0.7343**	**2.6900e-003**	**0.3091**	**2.0800e-003**	**0.3112**	**0.0825**	**1.9200e-003**	**0.0844**		**268.3517**	**268.3517**	**5.3400e-003**		**268.4852**

3.6 Architectural Coating - 2029

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	3.8629					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**4.0337**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

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	0.0000	0.0000	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	0.0824	0.0435	0.6889	2.6200e-003	0.3353	1.9400e-003	0.3373	0.0889	1.7800e-003	0.0907		261.1598	261.1598	4.8900e-003		261.2821
Total	**0.0824**	**0.0435**	**0.6889**	**2.6200e-003**	**0.3353**	**1.9400e-003**	**0.3373**	**0.0889**	**1.7800e-003**	**0.0907**		**261.1598**	**261.1598**	**4.8900e-003**		**261.2821**

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	3.8629					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**4.0337**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

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	0.0000	0.0000	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	0.0824	0.0435	0.6889	2.6200e-003	0.3091	1.9400e-003	0.3110	0.0825	1.7800e-003	0.0843		261.1598	261.1598	4.8900e-003		261.2821
Total	**0.0824**	**0.0435**	**0.6889**	**2.6200e-003**	**0.3091**	**1.9400e-003**	**0.3110**	**0.0825**	**1.7800e-003**	**0.0843**		**261.1598**	**261.1598**	**4.8900e-003**		**261.2821**

3.6 Architectural Coating - 2030

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	3.8629					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	**3.9936**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**281.4481**	**281.4481**	**0.0114**		**281.7328**

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	0.0000	0.0000	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	0.0770	0.0399	0.6468	2.5500e-003	0.3353	1.8100e-003	0.3371	0.0889	1.6600e-003	0.0906		254.7382	254.7382	4.4800e-003		254.8503
Total	**0.0770**	**0.0399**	**0.6468**	**2.5500e-003**	**0.3353**	**1.8100e-003**	**0.3371**	**0.0889**	**1.6600e-003**	**0.0906**		**254.7382**	**254.7382**	**4.4800e-003**		**254.8503**

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	3.8629					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
Total	**3.9936**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**	**0.0000**	**281.4481**	**281.4481**	**0.0114**		**281.7328**

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	0.0000	0.0000	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	0.0770	0.0399	0.6468	2.5500e-003	0.3091	1.8100e-003	0.3109	0.0825	1.6600e-003	0.0842		254.7382	254.7382	4.4800e-003		254.8503
Total	**0.0770**	**0.0399**	**0.6468**	**2.5500e-003**	**0.3091**	**1.8100e-003**	**0.3109**	**0.0825**	**1.6600e-003**	**0.0842**		**254.7382**	**254.7382**	**4.4800e-003**		**254.8503**

3.7 Paving - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.0568					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4413**	**7.1202**	**15.8495**	**0.0281**		**0.3306**	**0.3306**		**0.3306**	**0.3306**		**2,656.5168**	**2,656.5168**	**0.1245**		**2,659.6302**

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	0.0000	0.0000	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	0.0385	0.0199	0.3234	1.2800e-003	0.1677	9.0000e-004	0.1686	0.0445	8.3000e-004	0.0453		127.3691	127.3691	2.2400e-003		127.4252
Total	**0.0385**	**0.0199**	**0.3234**	**1.2800e-003**	**0.1677**	**9.0000e-004**	**0.1686**	**0.0445**	**8.3000e-004**	**0.0453**		**127.3691**	**127.3691**	**2.2400e-003**		**127.4252**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.0568					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4413**	**7.1202**	**15.8495**	**0.0281**		**0.3306**	**0.3306**		**0.3306**	**0.3306**	**0.0000**	**2,656.5168**	**2,656.5168**	**0.1245**		**2,659.6302**

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	0.0000	0.0000	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	0.0385	0.0199	0.3234	1.2800e-003	0.1546	9.0000e-004	0.1555	0.0413	8.3000e-004	0.0421		127.3691	127.3691	2.2400e-003		127.4252
Total	**0.0385**	**0.0199**	**0.3234**	**1.2800e-003**	**0.1546**	**9.0000e-004**	**0.1555**	**0.0413**	**8.3000e-004**	**0.0421**		**127.3691**	**127.3691**	**2.2400e-003**		**127.4252**

Phase 3 Construction

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	180.00	1000sqft	4.53	180,000.00	0
Medical Office Building	70.00	1000sqft	1.61	70,000.00	0
General Heavy Industry	10.00	1000sqft	0.23	10,000.00	0
General Light Industry	30.00	1000sqft	0.69	30,000.00	0
Parking Lot	1.30	Acre	1.30	56,700.00	0
Hotel	52.00	Room	1.72	75,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2028
Utility Company					
CO2 Intensity (lb/MWhr)	0	**CH4 Intensity (lb/MWhr)**	0	**N2O Intensity (lb/MWhr)**	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on information provided by the applicant.

Construction Phase - Based on information provided by the applicant.

Trips and VMT - Assumes one water truck and two trips per day per truck.

Demolition -

Grading -

Construction Off-road Equipment Mitigation - Per SCAQMD Rules 403 and 1186.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstructionPhase	NumDays	20.00	880.00
tblConstructionPhase	NumDays	300.00	900.00
tblConstructionPhase	NumDays	20.00	60.00
tblConstructionPhase	NumDays	30.00	60.00
tblConstructionPhase	NumDays	20.00	60.00
tblConstructionPhase	NumDays	10.00	40.00
tblConstructionPhase	PhaseEndDate	8/31/2033	12/26/2030
tblConstructionPhase	PhaseStartDate	4/18/2030	8/13/2027
tblFleetMix	FleetMixLandUseSubType	Hospital	General Heavy Industry
tblFleetMix	FleetMixLandUseSubType	Medical Office Building	General Light Industry
tblFleetMix	FleetMixLandUseSubType	General Heavy Industry	Hospital
tblFleetMix	FleetMixLandUseSubType	General Light Industry	Hotel
tblFleetMix	FleetMixLandUseSubType	Parking Lot	Medical Office Building
tblFleetMix	FleetMixLandUseSubType	Hotel	Parking Lot
tblGrading	MaterialExported	0.00	1,130.00
tblLandUse	BuildingSpaceSquareFeet	56,628.00	56,700.00
tblLandUse	BuildingSpaceSquareFeet	75,504.00	75,000.00
tblLandUse	LandUseSquareFeet	56,628.00	56,700.00
tblLandUse	LandUseSquareFeet	75,504.00	75,000.00
tblLandUse	LotAcreage	4.13	4.53

tblLandUse	LotAcreage	1.73	1.72
tblProjectCharacteristics	OperationalYear	2018	2028
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00

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					
2026	2.9908	28.4954	27.0203	0.0660	18.2803	1.1333	19.3686	9.9877	1.0427	10.9890	0.0000	6,420.4254	6,420.4254	1.9626	0.0000	6,469.4898
2027	6.1762	18.6261	23.6675	0.0620	2.4761	0.5981	3.0743	0.6667	0.5655	1.2322	0.0000	6,154.9029	6,154.9029	0.7442	0.0000	6,173.5090
2028	6.1431	18.5645	23.3948	0.0614	2.4762	0.5970	3.0732	0.6667	0.5645	1.2312	0.0000	6,101.8733	6,101.8733	0.7403	0.0000	6,120.3818
2029	6.1053	18.5030	23.1218	0.0609	2.4762	0.5960	3.0722	0.6667	0.5636	1.2303	0.0000	6,054.4856	6,054.4856	0.7366	0.0000	6,072.9007
2030	5.9685	13.6195	22.9329	0.0645	2.4762	0.3537	2.6607	0.6667	0.3534	0.8502	0.0000	6,353.1371	6,353.1371	0.2445	0.0000	6,359.2492
Maximum	**6.1762**	**28.4954**	**27.0203**	**0.0660**	**18.2803**	**1.1333**	**19.3686**	**9.9877**	**1.0427**	**10.9890**	**0.0000**	**6,420.4254**	**6,420.4254**	**1.9626**	**0.0000**	**6,469.4898**

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					
2026	2.9908	28.4954	27.0203	0.0660	7.9208	1.1333	9.0092	4.2984	1.0427	5.2997	0.0000	6,420.4254	6,420.4254	1.9626	0.0000	6,469.4898
2027	6.1762	18.6261	23.6675	0.0620	2.2886	0.5981	2.8868	0.6207	0.5655	1.1862	0.0000	6,154.9029	6,154.9029	0.7442	0.0000	6,173.5090
2028	6.1431	18.5645	23.3948	0.0614	2.2887	0.5970	2.8857	0.6207	0.5645	1.1852	0.0000	6,101.8733	6,101.8733	0.7403	0.0000	6,120.3818
2029	6.1053	18.5030	23.1218	0.0609	2.2887	0.5960	2.8847	0.6207	0.5636	1.1843	0.0000	6,054.4856	6,054.4856	0.7366	0.0000	6,072.9007
2030	5.9685	13.6195	22.9329	0.0645	2.2887	0.3537	2.4732	0.6207	0.3534	0.8041	0.0000	6,353.1371	6,353.1371	0.2445	0.0000	6,359.2492
Maximum	**6.1762**	**28.4954**	**27.0203**	**0.0660**	**7.9208**	**1.1333**	**9.0092**	**4.2984**	**1.0427**	**5.2997**	**0.0000**	**6,420.4254**	**6,420.4254**	**1.9626**	**0.0000**	**6,469.4898**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**39.42**	**0.00**	**35.55**	**46.41**	**0.00**	**37.81**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2026	3/25/2026	5	60	
2	Site Preparation	Site Preparation	3/26/2026	5/20/2026	5	40	
3	Grading	Grading	5/21/2026	8/12/2026	5	60	
4	Building Construction	Building Construction	8/13/2026	1/23/2030	5	900	
5	Architectural Coating	Architectural Coating	8/13/2027	12/26/2030	5	880	
6	Paving	Paving	1/24/2030	4/17/2030	5	60	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 150

Acres of Paving: 1.3

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 547,500; Non-Residential Outdoor: 182,500; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	2.00	785.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	2.00	141.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	152.00	69.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	30.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.8300	0.0000	2.8300	0.4285	0.0000	0.4285			0.0000			0.0000
Off-Road	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920		3,747.5996	3,747.5996	1.0464		3,773.7606
Total	**2.0926**	**19.1966**	**19.4184**	**0.0388**	**2.8300**	**0.8528**	**3.6828**	**0.4285**	**0.7920**	**1.2205**		**3,747.5996**	**3,747.5996**	**1.0464**		**3,773.7606**

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	0.0691	2.0882	0.7920	9.2900e-003	0.2288	3.8200e-003	0.2326	0.0627	3.6500e-003	0.0664		1,014.9195	1,014.9195	0.0704		1,016.6798
Vendor	4.1300e-003	0.1365	0.0437	4.7000e-004	0.0128	1.6000e-004	0.0130	3.6900e-003	1.5000e-004	3.8400e-003		50.6117	50.6117	2.8000e-003		50.6818
Worker	0.0548	0.0307	0.3774	1.3500e-003	0.1677	1.1900e-003	0.1689	0.0445	1.0900e-003	0.0456		134.4260	134.4260	2.9400e-003		134.4996
Total	**0.1280**	**2.2554**	**1.2131**	**0.0111**	**0.4093**	**5.1700e-003**	**0.4145**	**0.1109**	**4.8900e-003**	**0.1158**		**1,199.9572**	**1,199.9572**	**0.0762**		**1,201.8611**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.2098	0.0000	1.2098	0.1832	0.0000	0.1832			0.0000			0.0000
Off-Road	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606
Total	**2.0926**	**19.1966**	**19.4184**	**0.0388**	**1.2098**	**0.8528**	**2.0626**	**0.1832**	**0.7920**	**0.9752**	**0.0000**	**3,747.5996**	**3,747.5996**	**1.0464**		**3,773.7606**

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	0.0691	2.0882	0.7920	9.2900e-003	0.2133	3.8200e-003	0.2171	0.0589	3.6500e-003	0.0626		1,014.9195	1,014.9195	0.0704		1,016.6798
Vendor	4.1300e-003	0.1365	0.0437	4.7000e-004	0.0120	1.6000e-004	0.0122	3.4900e-003	1.5000e-004	3.6400e-003		50.6117	50.6117	2.8000e-003		50.6818
Worker	0.0548	0.0307	0.3774	1.3500e-003	0.1546	1.1900e-003	0.1557	0.0413	1.0900e-003	0.0423		134.4260	134.4260	2.9400e-003		134.4996
Total	**0.1280**	**2.2554**	**1.2131**	**0.0111**	**0.3798**	**5.1700e-003**	**0.3850**	**0.1037**	**4.8900e-003**	**0.1085**		**1,199.9572**	**1,199.9572**	**0.0762**		**1,201.8611**

3.3 Site Preparation - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.4727	25.2339	17.9118	0.0381		1.0868	1.0868		0.9999	0.9999		3,689.1037	3,689.1037	1.1931		3,718.9320
Total	**2.4727**	**25.2339**	**17.9118**	**0.0381**	**18.0663**	**1.0868**	**19.1531**	**9.9307**	**0.9999**	**10.9305**		**3,689.1037**	**3,689.1037**	**1.1931**		**3,718.9320**

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	4.1300e-003	0.1365	0.0437	4.7000e-004	0.0128	1.6000e-004	0.0130	3.6900e-003	1.5000e-004	3.8400e-003		50.6117	50.6117	2.8000e-003		50.6818
Worker	0.0657	0.0368	0.4529	1.6200e-003	0.2012	1.4300e-003	0.2026	0.0534	1.3100e-003	0.0547		161.3111	161.3111	3.5300e-003		161.3995
Total	**0.0699**	**0.1734**	**0.4966**	**2.0900e-003**	**0.2140**	**1.5900e-003**	**0.2156**	**0.0571**	**1.4600e-003**	**0.0585**		**211.9229**	**211.9229**	**6.3300e-003**		**212.0813**

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					7.7233	0.0000	7.7233	4.2454	0.0000	4.2454			0.0000			0.0000
Off-Road	2.4727	25.2339	17.9118	0.0381		1.0868	1.0868		0.9999	0.9999	0.0000	3,689.1037	3,689.1037	1.1931		3,718.9320
Total	**2.4727**	**25.2339**	**17.9118**	**0.0381**	**7.7233**	**1.0868**	**8.8101**	**4.2454**	**0.9999**	**5.2452**	**0.0000**	**3,689.1037**	**3,689.1037**	**1.1931**		**3,718.9320**

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	4.1300e-003	0.1365	0.0437	4.7000e-004	0.0120	1.6000e-004	0.0122	3.4900e-003	1.5000e-004	3.6400e-003		50.6117	50.6117	2.8000e-003		50.6818
Worker	0.0657	0.0368	0.4529	1.6200e-003	0.1855	1.4300e-003	0.1869	0.0495	1.3100e-003	0.0508		161.3111	161.3111	3.5300e-003		161.3995
Total	**0.0699**	**0.1734**	**0.4966**	**2.0900e-003**	**0.1974**	**1.5900e-003**	**0.1990**	**0.0530**	**1.4600e-003**	**0.0545**		**211.9229**	**211.9229**	**6.3300e-003**		**212.0813**

3.4 Grading - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Fugitive Dust					8.6755	0.0000	8.6755	3.5968	0.0000	3.5968			0.0000			0.0000
Off-Road	2.9012	27.9429	26.3311	0.0621		1.1309	1.1309		1.0404	1.0404		6,008.2814	6,008.2814	1.9432		6,056.8614
Total	**2.9012**	**27.9429**	**26.3311**	**0.0621**	**8.6755**	**1.1309**	**9.8064**	**3.5968**	**1.0404**	**4.6372**		**6,008.2814**	**6,008.2814**	**1.9432**		**6,056.8614**

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	0.0124	0.3751	0.1423	1.6700e-003	0.0411	6.9000e-004	0.0418	0.0113	6.6000e-004	0.0119		182.2977	182.2977	0.0127		182.6138
Vendor	4.1300e-003	0.1365	0.0437	4.7000e-004	0.0128	1.6000e-004	0.0130	3.6900e-003	1.5000e-004	3.8400e-003		50.6117	50.6117	2.8000e-003		50.6818
Worker	0.0730	0.0409	0.5032	1.8000e-003	0.2236	1.5900e-003	0.2251	0.0593	1.4600e-003	0.0608		179.2346	179.2346	3.9300e-003		179.3328
Total	**0.0896**	**0.5525**	**0.6892**	**3.9400e-003**	**0.2775**	**2.4400e-003**	**0.2799**	**0.0743**	**2.2700e-003**	**0.0765**		**412.1440**	**412.1440**	**0.0194**		**412.6284**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.7088	0.0000	3.7088	1.5376	0.0000	1.5376			0.0000			0.0000
Off-Road	2.9012	27.9429	26.3311	0.0621		1.1309	1.1309		1.0404	1.0404	0.0000	6,008.2814	6,008.2814	1.9432		6,056.8614
Total	**2.9012**	**27.9429**	**26.3311**	**0.0621**	**3.7088**	**1.1309**	**4.8397**	**1.5376**	**1.0404**	**2.5781**	**0.0000**	**6,008.2814**	**6,008.2814**	**1.9432**		**6,056.8614**

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	0.0124	0.3751	0.1423	1.6700e-003	0.0383	6.9000e-004	0.0390	0.0106	6.6000e-004	0.0112		182.2977	182.2977	0.0127		182.6138
Vendor	4.1300e-003	0.1365	0.0437	4.7000e-004	0.0120	1.6000e-004	0.0122	3.4900e-003	1.5000e-004	3.6400e-003		50.6117	50.6117	2.8000e-003		50.6818

Worker	0.0730	0.0409	0.5032	1.8000e-003	0.2061	1.5900e-003	0.2077	0.0550	1.4600e-003	0.0565		179.2346	179.2346	3.9300e-003		179.3328
Total	**0.0896**	**0.5525**	**0.6892**	**3.9400e-003**	**0.2563**	**2.4400e-003**	**0.2588**	**0.0691**	**2.2700e-003**	**0.0713**		**412.1440**	**412.1440**	**0.0194**		**412.6284**

3.5 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	0.1426	4.7099	1.5086	0.0163	0.4418	5.5300e-003	0.4473	0.1272	5.2900e-003	0.1325		1,746.1046	1,746.1046	0.0966		1,748.5206
Worker	0.5550	0.3111	3.8242	0.0137	1.6990	0.0121	1.7111	0.4506	0.0111	0.4617		1,362.1830	1,362.1830	0.0298		1,362.9290

Total	**0.6976**	**5.0210**	**5.3329**	**0.0299**	**2.1408**	**0.0176**	**2.1584**	**0.5778**	**0.0164**	**0.5942**		**3,108.2876**	**3,108.2876**	**0.1265**		**3,111.4496**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	0.1426	4.7099	1.5086	0.0163	0.4135	5.5300e-003	0.4190	0.1203	5.2900e-003	0.1255		1,746.1046	1,746.1046	0.0966		1,748.5206
Worker	0.5550	0.3111	3.8242	0.0137	1.5661	0.0121	1.5781	0.4180	0.0111	0.4290		1,362.1830	1,362.1830	0.0298		1,362.9290
Total	**0.6976**	**5.0210**	**5.3329**	**0.0299**	**1.9795**	**0.0176**	**1.9971**	**0.5382**	**0.0164**	**0.5546**		**3,108.2876**	**3,108.2876**	**0.1265**		**3,111.4496**

3.5 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	0.1398	4.6673	1.4836	0.0162	0.4418	5.4100e-003	0.4472	0.1272	5.1700e-003	0.1324		1,737.9399	1,737.9399	0.0952		1,740.3189
Worker	0.5306	0.2870	3.5830	0.0132	1.6990	0.0114	1.7104	0.4506	0.0105	0.4611		1,318.7592	1,318.7592	0.0274		1,319.4436
Total	**0.6704**	**4.9543**	**5.0666**	**0.0294**	**2.1408**	**0.0168**	**2.1576**	**0.5778**	**0.0157**	**0.5934**		**3,056.6991**	**3,056.6991**	**0.1225**		**3,059.7626**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	0.1398	4.6673	1.4836	0.0162	0.4135	5.4100e-003	0.4189	0.1203	5.1700e-003	0.1254		1,737.9399	1,737.9399	0.0952		1,740.3189
Worker	0.5306	0.2870	3.5830	0.0132	1.5661	0.0114	1.5775	0.4180	0.0105	0.4284		1,318.7592	1,318.7592	0.0274		1,319.4436
Total	**0.6704**	**4.9543**	**5.0666**	**0.0294**	**1.9796**	**0.0168**	**1.9963**	**0.5382**	**0.0157**	**0.5539**		**3,056.6991**	**3,056.6991**	**0.1225**		**3,059.7626**

3.5 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	0.1374	4.6318	1.4635	0.0161	0.4418	5.3100e-003	0.4471	0.1272	5.0800e-003	0.1323		1,730.9737	1,730.9737	0.0938		1,733.3185
Worker	0.5050	0.2652	3.3720	0.0128	1.6990	0.0106	1.7096	0.4506	9.7200e-003	0.4603		1,280.2886	1,280.2886	0.0253		1,280.9202
Total	**0.6423**	**4.8970**	**4.8355**	**0.0290**	**2.1408**	**0.0159**	**2.1567**	**0.5778**	**0.0148**	**0.5926**		**3,011.2623**	**3,011.2623**	**0.1191**		**3,014.2387**

Mitigated Construction On-Site

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

Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	0.1374	4.6318	1.4635	0.0161	0.4135	5.3100e-003	0.4188	0.1203	5.0800e-003	0.1253		1,730.9737	1,730.9737	0.0938		1,733.3185
Worker	0.5050	0.2652	3.3720	0.0128	1.5661	0.0106	1.5766	0.4180	9.7200e-003	0.4277		1,280.2886	1,280.2886	0.0253		1,280.9202
Total	**0.6423**	**4.8970**	**4.8355**	**0.0290**	**1.9796**	**0.0159**	**1.9954**	**0.5382**	**0.0148**	**0.5530**		**3,011.2623**	**3,011.2623**	**0.1191**		**3,014.2387**

3.5 Building Construction - 2029

Unmitigated Construction On-Site

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

Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	0.1351	4.5960	1.4446	0.0161	0.4418	5.1900e-003	0.4470	0.1272	4.9600e-003	0.1322		1,724.7532	1,724.7532	0.0926		1,727.0677
Worker	0.4753	0.2437	3.1597	0.0125	1.6990	9.8300e-003	1.7088	0.4506	9.0400e-003	0.4596		1,245.9073	1,245.9073	0.0232		1,246.4861
Total	**0.6104**	**4.8397**	**4.6043**	**0.0285**	**2.1408**	**0.0150**	**2.1559**	**0.5778**	**0.0140**	**0.5918**		**2,970.6605**	**2,970.6605**	**0.1157**		**2,973.5538**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	0.1351	4.5960	1.4446	0.0161	0.4135	5.1900e-003	0.4187	0.1203	4.9600e-003	0.1252		1,724.7532	1,724.7532	0.0926		1,727.0677
Worker	0.4753	0.2437	3.1597	0.0125	1.5661	9.8300e-003	1.5759	0.4180	9.0400e-003	0.4270		1,245.9073	1,245.9073	0.0232		1,246.4861
Total	**0.6104**	**4.8397**	**4.6043**	**0.0285**	**1.9796**	**0.0150**	**1.9946**	**0.5382**	**0.0140**	**0.5522**		**2,970.6605**	**2,970.6605**	**0.1157**		**2,973.5538**

3.5 Building Construction - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**		**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

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	0.1332	4.5613	1.4305	0.0160	0.4418	5.0800e-003	0.4469	0.1272	4.8600e-003	0.1321		1,719.1143	1,719.1143	0.0915		1,721.4011
Worker	0.4448	0.2232	2.9629	0.0122	1.6990	9.1700e-003	1.7082	0.4506	8.4300e-003	0.4590		1,215.1882	1,215.1882	0.0212		1,215.7181
Total	**0.5780**	**4.7845**	**4.3934**	**0.0282**	**2.1408**	**0.0143**	**2.1551**	**0.5778**	**0.0133**	**0.5911**		**2,934.3025**	**2,934.3025**	**0.1127**		**2,937.1192**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

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	0.1332	4.5613	1.4305	0.0160	0.4135	5.0800e-003	0.4186	0.1203	4.8600e-003	0.1251		1,719.1143	1,719.1143	0.0915		1,721.4011
Worker	0.4448	0.2232	2.9629	0.0122	1.5661	9.1700e-003	1.5752	0.4180	8.4300e-003	0.4264		1,215.1882	1,215.1882	0.0212		1,215.7181
Total	**0.5780**	**4.7845**	**4.3934**	**0.0282**	**1.9796**	**0.0143**	**1.9938**	**0.5382**	**0.0133**	**0.5515**		**2,934.3025**	**2,934.3025**	**0.1127**		**2,937.1192**

3.6 Architectural Coating - 2027

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	3.8629					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**4.0337**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

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	0.0000	0.0000	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	0.1047	0.0566	0.7072	2.6100e-003	0.3353	2.2500e-003	0.3376	0.0889	2.0700e-003	0.0910		260.2814	260.2814	5.4000e-003		260.4165
Total	**0.1047**	**0.0566**	**0.7072**	**2.6100e-003**	**0.3353**	**2.2500e-003**	**0.3376**	**0.0889**	**2.0700e-003**	**0.0910**		**260.2814**	**260.2814**	**5.4000e-003**		**260.4165**

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	3.8629					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**4.0337**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

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	0.0000	0.0000	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	0.1047	0.0566	0.7072	2.6100e-003	0.3091	2.2500e-003	0.3113	0.0825	2.0700e-003	0.0846		260.2814	260.2814	5.4000e-003		260.4165
Total	**0.1047**	**0.0566**	**0.7072**	**2.6100e-003**	**0.3091**	**2.2500e-003**	**0.3113**	**0.0825**	**2.0700e-003**	**0.0846**		**260.2814**	**260.2814**	**5.4000e-003**		**260.4165**

3.6 Architectural Coating - 2028

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	3.8629					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**4.0337**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

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	0.0000	0.0000	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	0.0997	0.0523	0.6655	2.5300e-003	0.3353	2.0800e-003	0.3374	0.0889	1.9200e-003	0.0909		252.6885	252.6885	4.9900e-003		252.8132
Total	**0.0997**	**0.0523**	**0.6655**	**2.5300e-003**	**0.3353**	**2.0800e-003**	**0.3374**	**0.0889**	**1.9200e-003**	**0.0909**		**252.6885**	**252.6885**	**4.9900e-003**		**252.8132**

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	3.8629					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**4.0337**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

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	0.0000	0.0000	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	0.0997	0.0523	0.6655	2.5300e-003	0.3091	2.0800e-003	0.3112	0.0825	1.9200e-003	0.0844		252.6885	252.6885	4.9900e-003		252.8132
Total	**0.0997**	**0.0523**	**0.6655**	**2.5300e-003**	**0.3091**	**2.0800e-003**	**0.3112**	**0.0825**	**1.9200e-003**	**0.0844**		**252.6885**	**252.6885**	**4.9900e-003**		**252.8132**

3.6 Architectural Coating - 2029

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	3.8629					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**4.0337**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

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	0.0000	0.0000	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	0.0938	0.0481	0.6236	2.4600e-003	0.3353	1.9400e-003	0.3373	0.0889	1.7800e-003	0.0907		245.9028	245.9028	4.5700e-003		246.0170
Total	**0.0938**	**0.0481**	**0.6236**	**2.4600e-003**	**0.3353**	**1.9400e-003**	**0.3373**	**0.0889**	**1.7800e-003**	**0.0907**		**245.9028**	**245.9028**	**4.5700e-003**		**246.0170**

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	3.8629					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**4.0337**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

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	0.0000	0.0000	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	0.0938	0.0481	0.6236	2.4600e-003	0.3091	1.9400e-003	0.3110	0.0825	1.7800e-003	0.0843		245.9028	245.9028	4.5700e-003		246.0170

Total	**0.0938**	**0.0481**	**0.6236**	**2.4600e-003**	**0.3091**	**1.9400e-003**	**0.3110**	**0.0825**	**1.7800e-003**	**0.0843**		**245.9028**	**245.9028**	**4.5700e-003**		**246.0170**

3.6 Architectural Coating - 2030

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	3.8629					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	**3.9936**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**281.4481**	**281.4481**	**0.0114**		**281.7328**

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	0.0000	0.0000	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	0.0878	0.0441	0.5848	2.4000e-003	0.3353	1.8100e-003	0.3371	0.0889	1.6600e-003	0.0906		239.8398	239.8398	4.1800e-003		239.9444
Total	**0.0878**	**0.0441**	**0.5848**	**2.4000e-003**	**0.3353**	**1.8100e-003**	**0.3371**	**0.0889**	**1.6600e-003**	**0.0906**		**239.8398**	**239.8398**	**4.1800e-003**		**239.9444**

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	3.8629					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
Total	**3.9936**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**	**0.0000**	**281.4481**	**281.4481**	**0.0114**		**281.7328**

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	0.0000	0.0000	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	0.0878	0.0441	0.5848	2.4000e-003	0.3091	1.8100e-003	0.3109	0.0825	1.6600e-003	0.0842		239.8398	239.8398	4.1800e-003		239.9444
Total	**0.0878**	**0.0441**	**0.5848**	**2.4000e-003**	**0.3091**	**1.8100e-003**	**0.3109**	**0.0825**	**1.6600e-003**	**0.0842**		**239.8398**	**239.8398**	**4.1800e-003**		**239.9444**

3.7 Paving - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.0568					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4413**	**7.1202**	**15.8495**	**0.0281**		**0.3306**	**0.3306**		**0.3306**	**0.3306**		**2,656.5168**	**2,656.5168**	**0.1245**		**2,659.6302**

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	0.0000	0.0000	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	0.0439	0.0220	0.2924	1.2000e-003	0.1677	9.0000e-004	0.1686	0.0445	8.3000e-004	0.0453		119.9199	119.9199	2.0900e-003		119.9722
Total	**0.0439**	**0.0220**	**0.2924**	**1.2000e-003**	**0.1677**	**9.0000e-004**	**0.1686**	**0.0445**	**8.3000e-004**	**0.0453**		**119.9199**	**119.9199**	**2.0900e-003**		**119.9722**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.0568					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4413**	**7.1202**	**15.8495**	**0.0281**		**0.3306**	**0.3306**		**0.3306**	**0.3306**	**0.0000**	**2,656.5168**	**2,656.5168**	**0.1245**		**2,659.6302**

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	0.0000	0.0000	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	0.0439	0.0220	0.2924	1.2000e-003	0.1546	9.0000e-004	0.1555	0.0413	8.3000e-004	0.0421		119.9199	119.9199	2.0900e-003		119.9722
Total	**0.0439**	**0.0220**	**0.2924**	**1.2000e-003**	**0.1546**	**9.0000e-004**	**0.1555**	**0.0413**	**8.3000e-004**	**0.0421**		**119.9199**	**119.9199**	**2.0900e-003**		**119.9722**

Phase 3 Construction

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	180.00	1000sqft	4.53	180,000.00	0
Medical Office Building	70.00	1000sqft	1.61	70,000.00	0
General Heavy Industry	10.00	1000sqft	0.23	10,000.00	0
General Light Industry	30.00	1000sqft	0.69	30,000.00	0
Parking Lot	1.30	Acre	1.30	56,700.00	0
Hotel	52.00	Room	1.72	75,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2028
Utility Company					
CO2 Intensity (lb/MWhr)	0	**CH4 Intensity (lb/MWhr)**	0	**N2O Intensity (lb/MWhr)**	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on information provided by the applicant.

Construction Phase - Based on information provided by the applicant.

Trips and VMT - Assumes one water truck and two trips per day per truck.

Demolition -

Grading -

Construction Off-road Equipment Mitigation - Per SCAQMD Rules 403 and 1186.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstructionPhase	NumDays	20.00	880.00
tblConstructionPhase	NumDays	300.00	900.00
tblConstructionPhase	NumDays	20.00	60.00
tblConstructionPhase	NumDays	30.00	60.00
tblConstructionPhase	NumDays	20.00	60.00
tblConstructionPhase	NumDays	10.00	40.00
tblConstructionPhase	PhaseEndDate	8/31/2033	12/26/2030
tblConstructionPhase	PhaseStartDate	4/18/2030	8/13/2027
tblFleetMix	FleetMixLandUseSubType	Hospital	General Heavy Industry
tblFleetMix	FleetMixLandUseSubType	Medical Office Building	General Light Industry
tblFleetMix	FleetMixLandUseSubType	General Heavy Industry	Hospital
tblFleetMix	FleetMixLandUseSubType	General Light Industry	Hotel
tblFleetMix	FleetMixLandUseSubType	Parking Lot	Medical Office Building
tblFleetMix	FleetMixLandUseSubType	Hotel	Parking Lot
tblGrading	MaterialExported	0.00	1,130.00
tblLandUse	BuildingSpaceSquareFeet	56,628.00	56,700.00
tblLandUse	BuildingSpaceSquareFeet	75,504.00	75,000.00
tblLandUse	LandUseSquareFeet	56,628.00	56,700.00
tblLandUse	LandUseSquareFeet	75,504.00	75,000.00

tblLandUse	LotAcreage	4.13	4.53
tblLandUse	LotAcreage	1.73	1.72
tblProjectCharacteristics	OperationalYear	2018	2028
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2026	0.3077	2.8955	2.8821	7.1900e-003	0.8370	0.1090	0.9460	0.3546	0.1011	0.4557	0.0000	642.5698	642.5698	0.1389	0.0000	646.0427
2027	0.4664	2.3449	2.8942	7.7000e-003	0.2907	0.0737	0.3644	0.0785	0.0695	0.1480	0.0000	695.4008	695.4008	0.0863	0.0000	697.5594
2028	0.7896	2.4236	3.0491	8.0500e-003	0.3158	0.0776	0.3934	0.0852	0.0734	0.1585	0.0000	725.8441	725.8441	0.0871	0.0000	728.0207
2029	0.7881	2.4247	3.0244	8.0200e-003	0.3170	0.0778	0.3948	0.0855	0.0735	0.1590	0.0000	722.9251	722.9251	0.0870	0.0000	725.0992
2030	0.5853	0.4393	0.9690	2.0800e-003	0.0652	0.0142	0.0794	0.0174	0.0142	0.0316	0.0000	182.4230	182.4230	7.0300e-003	0.0000	182.5987
Maximum	**0.7896**	**2.8955**	**3.0491**	**8.0500e-003**	**0.8370**	**0.1090**	**0.9460**	**0.3546**	**0.1011**	**0.4557**	**0.0000**	**725.8441**	**725.8441**	**0.1389**	**0.0000**	**728.0207**

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					
2026	0.3077	2.8955	2.8821	7.1900e-003	0.4227	0.1090	0.5318	0.1694	0.1011	0.2705	0.0000	642.5693	642.5693	0.1389	0.0000	646.0421
2027	0.4664	2.3449	2.8942	7.7000e-003	0.2688	0.0737	0.3426	0.0732	0.0695	0.1426	0.0000	695.4004	695.4004	0.0863	0.0000	697.5590
2028	0.7896	2.4236	3.0491	8.0500e-003	0.2920	0.0776	0.3696	0.0793	0.0734	0.1527	0.0000	725.8437	725.8437	0.0871	0.0000	728.0203
2029	0.7881	2.4247	3.0244	8.0200e-003	0.2931	0.0778	0.3709	0.0796	0.0735	0.1532	0.0000	722.9247	722.9247	0.0870	0.0000	725.0988
2030	0.5853	0.4393	0.9690	2.0800e-003	0.0602	0.0142	0.0743	0.0162	0.0142	0.0303	0.0000	182.4229	182.4229	7.0300e-003	0.0000	182.5986
Maximum	**0.7896**	**2.8955**	**3.0491**	**8.0500e-003**	**0.4227**	**0.1090**	**0.5318**	**0.1694**	**0.1011**	**0.2705**	**0.0000**	**725.8437**	**725.8437**	**0.1389**	**0.0000**	**728.0203**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**26.78**	**0.00**	**22.45**	**32.77**	**0.00**	**21.36**	**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	**1-1-2026**	**3-31-2026**	0.7701	0.7701
2	**4-1-2026**	**6-30-2026**	0.9597	0.9597
3	**7-1-2026**	**9-30-2026**	0.8241	0.8241
4	**10-1-2026**	**12-31-2026**	0.6425	0.6425
5	**1-1-2027**	**3-31-2027**	0.6256	0.6256
6	**4-1-2027**	**6-30-2027**	0.6300	0.6300
7	**7-1-2027**	**9-30-2027**	0.7301	0.7301
8	**10-1-2027**	**12-31-2027**	0.8149	0.8149
9	**1-1-2028**	**3-31-2028**	0.8030	0.8030

10	**4-1-2028**	**6-30-2028**	0.8001	0.8001
11	**7-1-2028**	**9-30-2028**	0.8089	0.8089
12	**10-1-2028**	**12-31-2028**	0.8118	0.8118
13	**1-1-2029**	**3-31-2029**	0.7910	0.7910
14	**4-1-2029**	**6-30-2029**	0.7971	0.7971
15	**7-1-2029**	**9-30-2029**	0.8058	0.8058
16	**10-1-2029**	**12-31-2029**	0.8086	0.8086
17	**1-1-2030**	**3-31-2030**	0.4865	0.4865
18	**4-1-2030**	**6-30-2030**	0.2138	0.2138
19	**7-1-2030**	**9-30-2030**	0.1632	0.1632
		Highest	0.9597	0.9597

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2026	3/25/2026	5	60	
2	Site Preparation	Site Preparation	3/26/2026	5/20/2026	5	40	
3	Grading	Grading	5/21/2026	8/12/2026	5	60	
4	Building Construction	Building Construction	8/13/2026	1/23/2030	5	900	
5	Architectural Coating	Architectural Coating	8/13/2027	12/26/2030	5	880	
6	Paving	Paving	1/24/2030	4/17/2030	5	60	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 150

Acres of Paving: 1.3

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 547,500; Non-Residential Outdoor: 182,500; Striped Parking

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	2.00	785.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Site Preparation	7	18.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	2.00	141.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	152.00	69.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	30.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 2026

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					0.0849	0.0000	0.0849	0.0129	0.0000	0.0129	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0628	0.5759	0.5826	1.1700e-003		0.0256	0.0256		0.0238	0.0238	0.0000	101.9930	101.9930	0.0285	0.0000	102.7049
Total	**0.0628**	**0.5759**	**0.5826**	**1.1700e-003**	**0.0849**	**0.0256**	**0.1105**	**0.0129**	**0.0238**	**0.0366**	**0.0000**	**101.9930**	**101.9930**	**0.0285**	**0.0000**	**102.7049**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0400e-003	0.0638	0.0233	2.8000e-004	6.7500e-003	1.1000e-004	6.8600e-003	1.8500e-003	1.1000e-004	1.9600e-003	0.0000	27.8995	27.8995	1.8900e-003	0.0000	27.9467
Vendor	1.2000e-004	4.1600e-003	1.2600e-003	1.0000e-005	3.8000e-004	0.0000	3.8000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	1.3993	1.3993	7.0000e-005	0.0000	1.4012
Worker	1.4700e-003	9.5000e-004	0.0116	4.0000e-005	4.9300e-003	4.0000e-005	4.9700e-003	1.3100e-003	3.0000e-005	1.3400e-003	0.0000	3.7193	3.7193	8.0000e-005	0.0000	3.7213
Total	**3.6300e-003**	**0.0689**	**0.0362**	**3.3000e-004**	**0.0121**	**1.5000e-004**	**0.0122**	**3.2700e-003**	**1.4000e-004**	**3.4100e-003**	**0.0000**	**33.0181**	**33.0181**	**2.0400e-003**	**0.0000**	**33.0692**

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					0.0363	0.0000	0.0363	5.5000e-003	0.0000	5.5000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0628	0.5759	0.5826	1.1700e-003		0.0256	0.0256		0.0238	0.0238	0.0000	101.9928	101.9928	0.0285	0.0000	102.7048
Total	**0.0628**	**0.5759**	**0.5826**	**1.1700e-003**	**0.0363**	**0.0256**	**0.0619**	**5.5000e-003**	**0.0238**	**0.0293**	**0.0000**	**101.9928**	**101.9928**	**0.0285**	**0.0000**	**102.7048**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0400e-003	0.0638	0.0233	2.8000e-004	6.2900e-003	1.1000e-004	6.4000e-003	1.7400e-003	1.1000e-004	1.8500e-003	0.0000	27.8995	27.8995	1.8900e-003	0.0000	27.9467
Vendor	1.2000e-004	4.1600e-003	1.2600e-003	1.0000e-005	3.5000e-004	0.0000	3.6000e-004	1.0000e-004	0.0000	1.1000e-004	0.0000	1.3993	1.3993	7.0000e-005	0.0000	1.4012
Worker	1.4700e-003	9.5000e-004	0.0116	4.0000e-005	4.5500e-003	4.0000e-005	4.5800e-003	1.2200e-003	3.0000e-005	1.2500e-003	0.0000	3.7193	3.7193	8.0000e-005	0.0000	3.7213
Total	**3.6300e-003**	**0.0689**	**0.0362**	**3.3000e-004**	**0.0112**	**1.5000e-004**	**0.0113**	**3.0600e-003**	**1.4000e-004**	**3.2100e-003**	**0.0000**	**33.0181**	**33.0181**	**2.0400e-003**	**0.0000**	**33.0692**

3.3 Site Preparation - 2026

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					0.3613	0.0000	0.3613	0.1986	0.0000	0.1986	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0495	0.5047	0.3582	7.6000e-004		0.0217	0.0217		0.0200	0.0200	0.0000	66.9340	66.9340	0.0217	0.0000	67.4752
Total	**0.0495**	**0.5047**	**0.3582**	**7.6000e-004**	**0.3613**	**0.0217**	**0.3831**	**0.1986**	**0.0200**	**0.2186**	**0.0000**	**66.9340**	**66.9340**	**0.0217**	**0.0000**	**67.4752**

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	8.0000e-005	2.7700e-003	8.4000e-004	1.0000e-005	2.5000e-004	0.0000	2.6000e-004	7.0000e-005	0.0000	8.0000e-005	0.0000	0.9329	0.9329	5.0000e-005	0.0000	0.9341
Worker	1.1800e-003	7.6000e-004	9.3200e-003	3.0000e-005	3.9400e-003	3.0000e-005	3.9700e-003	1.0500e-003	3.0000e-005	1.0700e-003	0.0000	2.9754	2.9754	7.0000e-005	0.0000	2.9771
Total	**1.2600e-003**	**3.5300e-003**	**0.0102**	**4.0000e-005**	**4.1900e-003**	**3.0000e-005**	**4.2300e-003**	**1.1200e-003**	**3.0000e-005**	**1.1500e-003**	**0.0000**	**3.9083**	**3.9083**	**1.2000e-004**	**0.0000**	**3.9112**

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					0.1545	0.0000	0.1545	0.0849	0.0000	0.0849	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0495	0.5047	0.3582	7.6000e-004		0.0217	0.0217		0.0200	0.0200	0.0000	66.9339	66.9339	0.0217	0.0000	67.4751
Total	**0.0495**	**0.5047**	**0.3582**	**7.6000e-004**	**0.1545**	**0.0217**	**0.1762**	**0.0849**	**0.0200**	**0.1049**	**0.0000**	**66.9339**	**66.9339**	**0.0217**	**0.0000**	**67.4751**

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	8.0000e-005	2.7700e-003	8.4000e-004	1.0000e-005	2.4000e-004	0.0000	2.4000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.9329	0.9329	5.0000e-005	0.0000	0.9341
Worker	1.1800e-003	7.6000e-004	9.3200e-003	3.0000e-005	3.6400e-003	3.0000e-005	3.6700e-003	9.7000e-004	3.0000e-005	1.0000e-003	0.0000	2.9754	2.9754	7.0000e-005	0.0000	2.9771
Total	**1.2600e-003**	**3.5300e-003**	**0.0102**	**4.0000e-005**	**3.8800e-003**	**3.0000e-005**	**3.9100e-003**	**1.0400e-003**	**3.0000e-005**	**1.0700e-003**	**0.0000**	**3.9083**	**3.9083**	**1.2000e-004**	**0.0000**	**3.9112**

3.4 Grading - 2026

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					0.2603	0.0000	0.2603	0.1079	0.0000	0.1079	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0870	0.8383	0.7899	1.8600e-003		0.0339	0.0339		0.0312	0.0312	0.0000	163.5186	163.5186	0.0529	0.0000	164.8408
Total	**0.0870**	**0.8383**	**0.7899**	**1.8600e-003**	**0.2603**	**0.0339**	**0.2942**	**0.1079**	**0.0312**	**0.1391**	**0.0000**	**163.5186**	**163.5186**	**0.0529**	**0.0000**	**164.8408**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.7000e-004	0.0115	4.1800e-003	5.0000e-005	1.2100e-003	2.0000e-005	1.2300e-003	3.3000e-004	2.0000e-005	3.5000e-004	0.0000	5.0113	5.0113	3.4000e-004	0.0000	5.0197

Vendor	1.2000e-004	4.1600e-003	1.2600e-003	1.0000e-005	3.8000e-004	0.0000	3.8000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	1.3993	1.3993	7.0000e-005	0.0000	1.4012
Worker	1.9600e-003	1.2600e-003	0.0155	5.0000e-005	6.5700e-003	5.0000e-005	6.6200e-003	1.7500e-003	4.0000e-005	1.7900e-003	0.0000	4.9590	4.9590	1.1000e-004	0.0000	4.9618
Total	**2.4500e-003**	**0.0169**	**0.0210**	**1.1000e-004**	**8.1600e-003**	**7.0000e-005**	**8.2300e-003**	**2.1900e-003**	**6.0000e-005**	**2.2500e-003**	**0.0000**	**11.3696**	**11.3696**	**5.2000e-004**	**0.0000**	**11.3827**

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					0.1113	0.0000	0.1113	0.0461	0.0000	0.0461	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0870	0.8383	0.7899	1.8600e-003		0.0339	0.0339		0.0312	0.0312	0.0000	163.5184	163.5184	0.0529	0.0000	164.8406
Total	**0.0870**	**0.8383**	**0.7899**	**1.8600e-003**	**0.1113**	**0.0339**	**0.1452**	**0.0461**	**0.0312**	**0.0773**	**0.0000**	**163.5184**	**163.5184**	**0.0529**	**0.0000**	**164.8406**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.7000e-004	0.0115	4.1800e-003	5.0000e-005	1.1300e-003	2.0000e-005	1.1500e-003	3.1000e-004	2.0000e-005	3.3000e-004	0.0000	5.0113	5.0113	3.4000e-004	0.0000	5.0197
Vendor	1.2000e-004	4.1600e-003	1.2600e-003	1.0000e-005	3.5000e-004	0.0000	3.6000e-004	1.0000e-004	0.0000	1.1000e-004	0.0000	1.3993	1.3993	7.0000e-005	0.0000	1.4012

Worker	1.9600e-003	1.2600e-003	0.0155	5.0000e-005	6.0600e-003	5.0000e-005	6.1100e-003	1.6200e-003	4.0000e-005	1.6600e-003	0.0000	4.9590	4.9590	1.1000e-004	0.0000	4.9618
Total	**2.4500e-003**	**0.0169**	**0.0210**	**1.1000e-004**	**7.5400e-003**	**7.0000e-005**	**7.6200e-003**	**2.0300e-003**	**6.0000e-005**	**2.1000e-003**	**0.0000**	**11.3696**	**11.3696**	**5.2000e-004**	**0.0000**	**11.3827**

3.5 Building Construction - 2026

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	0.0691	0.6297	0.8123	1.3600e-003		0.0266	0.0266		0.0251	0.0251	0.0000	117.1193	117.1193	0.0275	0.0000	117.8076
Total	**0.0691**	**0.6297**	**0.8123**	**1.3600e-003**		**0.0266**	**0.0266**		**0.0251**	**0.0251**	**0.0000**	**117.1193**	**117.1193**	**0.0275**	**0.0000**	**117.8076**

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	7.0100e-003	0.2415	0.0732	8.3000e-004	0.0220	2.7000e-004	0.0222	6.3400e-003	2.6000e-004	6.6000e-003	0.0000	81.2662	81.2662	4.3000e-003	0.0000	81.3737
Worker	0.0251	0.0162	0.1986	7.0000e-004	0.0841	6.1000e-004	0.0847	0.0223	5.6000e-004	0.0229	0.0000	63.4427	63.4427	1.3900e-003	0.0000	63.4774

Total	**0.0321**	**0.2576**	**0.2718**	**1.5300e-003**	**0.1061**	**8.8000e-004**	**0.1069**	**0.0287**	**8.2000e-004**	**0.0295**	**0.0000**	**144.7089**	**144.7089**	**5.6900e-003**	**0.0000**	**144.8511**

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	0.0691	0.6297	0.8123	1.3600e-003		0.0266	0.0266		0.0251	0.0251	0.0000	117.1192	117.1192	0.0275	0.0000	117.8075
Total	**0.0691**	**0.6297**	**0.8123**	**1.3600e-003**		**0.0266**	**0.0266**		**0.0251**	**0.0251**	**0.0000**	**117.1192**	**117.1192**	**0.0275**	**0.0000**	**117.8075**

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	7.0100e-003	0.2415	0.0732	8.3000e-004	0.0206	2.7000e-004	0.0208	5.9900e-003	2.6000e-004	6.2500e-003	0.0000	81.2662	81.2662	4.3000e-003	0.0000	81.3737
Worker	0.0251	0.0162	0.1986	7.0000e-004	0.0776	6.1000e-004	0.0782	0.0207	5.6000e-004	0.0213	0.0000	63.4427	63.4427	1.3900e-003	0.0000	63.4774
Total	**0.0321**	**0.2576**	**0.2718**	**1.5300e-003**	**0.0981**	**8.8000e-004**	**0.0990**	**0.0267**	**8.2000e-004**	**0.0275**	**0.0000**	**144.7089**	**144.7089**	**5.6900e-003**	**0.0000**	**144.8511**

3.5 Building Construction - 2027

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	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	**0.1785**	**1.6273**	**2.0991**	**3.5200e-003**		**0.0689**	**0.0689**		**0.0648**	**0.0648**	**0.0000**	**302.6549**	**302.6549**	**0.0711**	**0.0000**	**304.4335**

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	0.0178	0.6183	0.1860	2.1500e-003	0.0567	6.9000e-004	0.0574	0.0164	6.6000e-004	0.0170	0.0000	209.0092	209.0092	0.0110	0.0000	209.2829
Worker	0.0618	0.0385	0.4810	1.7500e-003	0.2174	1.4900e-003	0.2189	0.0577	1.3700e-003	0.0591	0.0000	158.7203	158.7203	3.3000e-003	0.0000	158.8028
Total	**0.0796**	**0.6568**	**0.6670**	**3.9000e-003**	**0.2741**	**2.1800e-003**	**0.2763**	**0.0741**	**2.0300e-003**	**0.0761**	**0.0000**	**367.7295**	**367.7295**	**0.0143**	**0.0000**	**368.0856**

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	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	**0.1784**	**1.6273**	**2.0991**	**3.5200e-003**		**0.0689**	**0.0689**		**0.0648**	**0.0648**	**0.0000**	**302.6545**	**302.6545**	**0.0711**	**0.0000**	**304.4331**

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	0.0178	0.6183	0.1860	2.1500e-003	0.0531	6.9000e-004	0.0538	0.0155	6.6000e-004	0.0162	0.0000	209.0092	209.0092	0.0110	0.0000	209.2829
Worker	0.0618	0.0385	0.4810	1.7500e-003	0.2004	1.4900e-003	0.2019	0.0536	1.3700e-003	0.0549	0.0000	158.7203	158.7203	3.3000e-003	0.0000	158.8028
Total	**0.0796**	**0.6568**	**0.6670**	**3.9000e-003**	**0.2535**	**2.1800e-003**	**0.2557**	**0.0691**	**2.0300e-003**	**0.0711**	**0.0000**	**367.7295**	**367.7295**	**0.0143**	**0.0000**	**368.0856**

3.5 Building Construction - 2028

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	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4953	301.4953	0.0709	0.0000	303.2671
Total	**0.1778**	**1.6211**	**2.0910**	**3.5000e-003**		**0.0686**	**0.0686**		**0.0645**	**0.0645**	**0.0000**	**301.4953**	**301.4953**	**0.0709**	**0.0000**	**303.2671**

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	0.0174	0.6112	0.1828	2.1300e-003	0.0565	6.8000e-004	0.0572	0.0163	6.5000e-004	0.0170	0.0000	207.3591	207.3591	0.0108	0.0000	207.6279
Worker	0.0585	0.0354	0.4511	1.7000e-003	0.2165	1.3700e-003	0.2179	0.0575	1.2600e-003	0.0588	0.0000	153.5011	153.5011	3.0300e-003	0.0000	153.5769
Total	**0.0759**	**0.6466**	**0.6339**	**3.8300e-003**	**0.2730**	**2.0500e-003**	**0.2751**	**0.0738**	**1.9100e-003**	**0.0757**	**0.0000**	**360.8602**	**360.8602**	**0.0138**	**0.0000**	**361.2048**

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	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4949	301.4949	0.0709	0.0000	303.2667
Total	**0.1778**	**1.6211**	**2.0910**	**3.5000e-003**		**0.0686**	**0.0686**		**0.0645**	**0.0645**	**0.0000**	**301.4949**	**301.4949**	**0.0709**	**0.0000**	**303.2667**

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	0.0174	0.6112	0.1828	2.1300e-003	0.0529	6.8000e-004	0.0536	0.0154	6.5000e-004	0.0161	0.0000	207.3591	207.3591	0.0108	0.0000	207.6279
Worker	0.0585	0.0354	0.4511	1.7000e-003	0.1996	1.3700e-003	0.2010	0.0534	1.2600e-003	0.0546	0.0000	153.5011	153.5011	3.0300e-003	0.0000	153.5769
Total	**0.0759**	**0.6466**	**0.6339**	**3.8300e-003**	**0.2526**	**2.0500e-003**	**0.2546**	**0.0688**	**1.9100e-003**	**0.0707**	**0.0000**	**360.8602**	**360.8602**	**0.0138**	**0.0000**	**361.2048**

3.5 Building Construction - 2029

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	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	**0.1785**	**1.6273**	**2.0991**	**3.5200e-003**		**0.0689**	**0.0689**		**0.0648**	**0.0648**	**0.0000**	**302.6549**	**302.6549**	**0.0711**	**0.0000**	**304.4335**

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	0.0172	0.6087	0.1811	2.1300e-003	0.0567	6.7000e-004	0.0574	0.0164	6.4000e-004	0.0170	0.0000	207.3979	207.3979	0.0107	0.0000	207.6644
Worker	0.0552	0.0327	0.4244	1.6600e-003	0.2174	1.2800e-003	0.2187	0.0577	1.1800e-003	0.0589	0.0000	149.9559	149.9559	2.7900e-003	0.0000	150.0256
Total	**0.0724**	**0.6414**	**0.6055**	**3.7900e-003**	**0.2741**	**1.9500e-003**	**0.2761**	**0.0741**	**1.8200e-003**	**0.0759**	**0.0000**	**357.3537**	**357.3537**	**0.0135**	**0.0000**	**357.6900**

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	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

Total	**0.1784**	**1.6273**	**2.0991**	**3.5200e-003**		**0.0689**	**0.0689**		**0.0648**	**0.0648**	**0.0000**	**302.6545**	**302.6545**	**0.0711**	**0.0000**	**304.4331**

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	0.0172	0.6087	0.1811	2.1300e-003	0.0531	6.7000e-004	0.0538	0.0155	6.4000e-004	0.0161	0.0000	207.3979	207.3979	0.0107	0.0000	207.6644
Worker	0.0552	0.0327	0.4244	1.6600e-003	0.2004	1.2800e-003	0.2017	0.0536	1.1800e-003	0.0548	0.0000	149.9559	149.9559	2.7900e-003	0.0000	150.0256
Total	**0.0724**	**0.6414**	**0.6055**	**3.7900e-003**	**0.2535**	**1.9500e-003**	**0.2555**	**0.0691**	**1.8200e-003**	**0.0709**	**0.0000**	**357.3537**	**357.3537**	**0.0135**	**0.0000**	**357.6900**

3.5 Building Construction - 2030

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	0.0111	0.0674	0.1373	2.6000e-004		1.2600e-003	1.2600e-003		1.2600e-003	1.2600e-003	0.0000	22.3432	22.3432	9.0000e-004	0.0000	22.3656
Total	**0.0111**	**0.0674**	**0.1373**	**2.6000e-004**		**1.2600e-003**	**1.2600e-003**		**1.2600e-003**	**1.2600e-003**	**0.0000**	**22.3432**	**22.3432**	**9.0000e-004**	**0.0000**	**22.3656**

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	1.1000e-003	0.0394	0.0117	1.4000e-004	3.7000e-003	4.0000e-005	3.7400e-003	1.0700e-003	4.0000e-005	1.1100e-003	0.0000	13.4641	13.4641	6.9000e-004	0.0000	13.4812
Worker	3.3600e-003	1.9500e-003	0.0259	1.1000e-004	0.0142	8.0000e-005	0.0142	3.7600e-003	7.0000e-005	3.8300e-003	0.0000	9.5266	9.5266	1.7000e-004	0.0000	9.5308
Total	**4.4600e-003**	**0.0413**	**0.0376**	**2.5000e-004**	**0.0179**	**1.2000e-004**	**0.0180**	**4.8300e-003**	**1.1000e-004**	**4.9400e-003**	**0.0000**	**22.9907**	**22.9907**	**8.6000e-004**	**0.0000**	**23.0120**

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	0.0111	0.0674	0.1373	2.6000e-004		1.2600e-003	1.2600e-003		1.2600e-003	1.2600e-003	0.0000	22.3432	22.3432	9.0000e-004	0.0000	22.3656
Total	**0.0111**	**0.0674**	**0.1373**	**2.6000e-004**		**1.2600e-003**	**1.2600e-003**		**1.2600e-003**	**1.2600e-003**	**0.0000**	**22.3432**	**22.3432**	**9.0000e-004**	**0.0000**	**22.3656**

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	1.1000e-003	0.0394	0.0117	1.4000e-004	3.4600e-003	4.0000e-005	3.5000e-003	1.0100e-003	4.0000e-005	1.0500e-003	0.0000	13.4641	13.4641	6.9000e-004	0.0000	13.4812
Worker	3.3600e-003	1.9500e-003	0.0259	1.1000e-004	0.0131	8.0000e-005	0.0131	3.4900e-003	7.0000e-005	3.5600e-003	0.0000	9.5266	9.5266	1.7000e-004	0.0000	9.5308
Total	**4.4600e-003**	**0.0413**	**0.0376**	**2.5000e-004**	**0.0165**	**1.2000e-004**	**0.0166**	**4.5000e-003**	**1.1000e-004**	**4.6100e-003**	**0.0000**	**22.9907**	**22.9907**	**8.6000e-004**	**0.0000**	**23.0120**

3.6 Architectural Coating - 2027

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	0.1951					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.6300e-003	0.0579	0.0914	1.5000e-004		2.6000e-003	2.6000e-003		2.6000e-003	2.6000e-003	0.0000	12.8939	12.8939	7.0000e-004	0.0000	12.9115
Total	**0.2037**	**0.0579**	**0.0914**	**1.5000e-004**		**2.6000e-003**	**2.6000e-003**		**2.6000e-003**	**2.6000e-003**	**0.0000**	**12.8939**	**12.8939**	**7.0000e-004**	**0.0000**	**12.9115**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.7200e-003	2.9400e-003	0.0367	1.3000e-004	0.0166	1.1000e-004	0.0167	4.4100e-003	1.0000e-004	4.5100e-003	0.0000	12.1225	12.1225	2.5000e-004	0.0000	12.1288
Total	**4.7200e-003**	**2.9400e-003**	**0.0367**	**1.3000e-004**	**0.0166**	**1.1000e-004**	**0.0167**	**4.4100e-003**	**1.0000e-004**	**4.5100e-003**	**0.0000**	**12.1225**	**12.1225**	**2.5000e-004**	**0.0000**	**12.1288**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1951					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.6300e-003	0.0579	0.0914	1.5000e-004		2.6000e-003	2.6000e-003		2.6000e-003	2.6000e-003	0.0000	12.8939	12.8939	7.0000e-004	0.0000	12.9115
Total	**0.2037**	**0.0579**	**0.0914**	**1.5000e-004**		**2.6000e-003**	**2.6000e-003**		**2.6000e-003**	**2.6000e-003**	**0.0000**	**12.8939**	**12.8939**	**7.0000e-004**	**0.0000**	**12.9115**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.7200e-003	2.9400e-003	0.0367	1.3000e-004	0.0153	1.1000e-004	0.0154	4.0900e-003	1.0000e-004	4.2000e-003	0.0000	12.1225	12.1225	2.5000e-004	0.0000	12.1288
Total	**4.7200e-003**	**2.9400e-003**	**0.0367**	**1.3000e-004**	**0.0153**	**1.1000e-004**	**0.0154**	**4.0900e-003**	**1.0000e-004**	**4.2000e-003**	**0.0000**	**12.1225**	**12.1225**	**2.5000e-004**	**0.0000**	**12.1288**

3.6 Architectural Coating - 2028

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	0.5022					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0222	0.1489	0.2352	3.9000e-004		6.7000e-003	6.7000e-003		6.7000e-003	6.7000e-003	0.0000	33.1923	33.1923	1.8100e-003	0.0000	33.2376
Total	**0.5244**	**0.1489**	**0.2352**	**3.9000e-004**		**6.7000e-003**	**6.7000e-003**		**6.7000e-003**	**6.7000e-003**	**0.0000**	**33.1923**	**33.1923**	**1.8100e-003**	**0.0000**	**33.2376**

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	0.0116	7.0000e-003	0.0890	3.3000e-004	0.0427	2.7000e-004	0.0430	0.0114	2.5000e-004	0.0116	0.0000	30.2963	30.2963	6.0000e-004	0.0000	30.3112
Total	**0.0116**	**7.0000e-003**	**0.0890**	**3.3000e-004**	**0.0427**	**2.7000e-004**	**0.0430**	**0.0114**	**2.5000e-004**	**0.0116**	**0.0000**	**30.2963**	**30.2963**	**6.0000e-004**	**0.0000**	**30.3112**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.5022					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0222	0.1489	0.2352	3.9000e-004		6.7000e-003	6.7000e-003		6.7000e-003	6.7000e-003	0.0000	33.1923	33.1923	1.8100e-003	0.0000	33.2375
Total	**0.5244**	**0.1489**	**0.2352**	**3.9000e-004**		**6.7000e-003**	**6.7000e-003**		**6.7000e-003**	**6.7000e-003**	**0.0000**	**33.1923**	**33.1923**	**1.8100e-003**	**0.0000**	**33.2375**

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	0.0116	7.0000e-003	0.0890	3.3000e-004	0.0394	2.7000e-004	0.0397	0.0105	2.5000e-004	0.0108	0.0000	30.2963	30.2963	6.0000e-004	0.0000	30.3112
Total	**0.0116**	**7.0000e-003**	**0.0890**	**3.3000e-004**	**0.0394**	**2.7000e-004**	**0.0397**	**0.0105**	**2.5000e-004**	**0.0108**	**0.0000**	**30.2963**	**30.2963**	**6.0000e-004**	**0.0000**	**30.3112**

3.6 Architectural Coating - 2029

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	0.5041					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654
Total	**0.5264**	**0.1495**	**0.2361**	**3.9000e-004**		**6.7200e-003**	**6.7200e-003**		**6.7200e-003**	**6.7200e-003**	**0.0000**	**33.3200**	**33.3200**	**1.8200e-003**	**0.0000**	**33.3654**

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	0.0109	6.4500e-003	0.0838	3.3000e-004	0.0429	2.5000e-004	0.0432	0.0114	2.3000e-004	0.0116	0.0000	29.5966	29.5966	5.5000e-004	0.0000	29.6103
Total	**0.0109**	**6.4500e-003**	**0.0838**	**3.3000e-004**	**0.0429**	**2.5000e-004**	**0.0432**	**0.0114**	**2.3000e-004**	**0.0116**	**0.0000**	**29.5966**	**29.5966**	**5.5000e-004**	**0.0000**	**29.6103**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.5041					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654
Total	**0.5264**	**0.1495**	**0.2361**	**3.9000e-004**		**6.7200e-003**	**6.7200e-003**		**6.7200e-003**	**6.7200e-003**	**0.0000**	**33.3199**	**33.3199**	**1.8200e-003**	**0.0000**	**33.3654**

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	0.0109	6.4500e-003	0.0838	3.3000e-004	0.0396	2.5000e-004	0.0398	0.0106	2.3000e-004	0.0108	0.0000	29.5966	29.5966	5.5000e-004	0.0000	29.6103
Total	**0.0109**	**6.4500e-003**	**0.0838**	**3.3000e-004**	**0.0396**	**2.5000e-004**	**0.0398**	**0.0106**	**2.3000e-004**	**0.0108**	**0.0000**	**29.5966**	**29.5966**	**5.5000e-004**	**0.0000**	**29.6103**

3.6 Architectural Coating - 2030

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	0.4983					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0169	0.1105	0.2319	3.8000e-004		2.6200e-003	2.6200e-003		2.6200e-003	2.6200e-003	0.0000	32.9370	32.9370	1.3300e-003	0.0000	32.9703
Total	**0.5152**	**0.1105**	**0.2319**	**3.8000e-004**		**2.6200e-003**	**2.6200e-003**		**2.6200e-003**	**2.6200e-003**	**0.0000**	**32.9370**	**32.9370**	**1.3300e-003**	**0.0000**	**32.9703**

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	0.0101	5.8400e-003	0.0777	3.2000e-004	0.0424	2.3000e-004	0.0426	0.0113	2.1000e-004	0.0115	0.0000	28.5356	28.5356	5.0000e-004	0.0000	28.5480

Total	**0.0101**	**5.8400e-003**	**0.0777**	**3.2000e-004**	**0.0424**	**2.3000e-004**	**0.0426**	**0.0113**	**2.1000e-004**	**0.0115**	**0.0000**	**28.5356**	**28.5356**	**5.0000e-004**	**0.0000**	**28.5480**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4983					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0169	0.1105	0.2319	3.8000e-004		2.6200e-003	2.6200e-003		2.6200e-003	2.6200e-003	0.0000	32.9369	32.9369	1.3300e-003	0.0000	32.9703
Total	**0.5152**	**0.1105**	**0.2319**	**3.8000e-004**		**2.6200e-003**	**2.6200e-003**		**2.6200e-003**	**2.6200e-003**	**0.0000**	**32.9369**	**32.9369**	**1.3300e-003**	**0.0000**	**32.9703**

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	0.0101	5.8400e-003	0.0777	3.2000e-004	0.0391	2.3000e-004	0.0393	0.0105	2.1000e-004	0.0107	0.0000	28.5356	28.5356	5.0000e-004	0.0000	28.5480
Total	**0.0101**	**5.8400e-003**	**0.0777**	**3.2000e-004**	**0.0391**	**2.3000e-004**	**0.0393**	**0.0105**	**2.1000e-004**	**0.0107**	**0.0000**	**28.5356**	**28.5356**	**5.0000e-004**	**0.0000**	**28.5480**

3.7 Paving - 2030

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	0.0415	0.2136	0.4755	8.4000e-004		9.9200e-003	9.9200e-003		9.9200e-003	9.9200e-003	0.0000	72.2985	72.2985	3.3900e-003	0.0000	72.3833
Paving	1.7000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0432**	**0.2136**	**0.4755**	**8.4000e-004**		**9.9200e-003**	**9.9200e-003**		**9.9200e-003**	**9.9200e-003**	**0.0000**	**72.2985**	**72.2985**	**3.3900e-003**	**0.0000**	**72.3833**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1700e-003	6.8000e-004	9.0300e-003	4.0000e-005	4.9300e-003	3.0000e-005	4.9600e-003	1.3100e-003	2.0000e-005	1.3300e-003	0.0000	3.3181	3.3181	6.0000e-005	0.0000	3.3195
Total	**1.1700e-003**	**6.8000e-004**	**9.0300e-003**	**4.0000e-005**	**4.9300e-003**	**3.0000e-005**	**4.9600e-003**	**1.3100e-003**	**2.0000e-005**	**1.3300e-003**	**0.0000**	**3.3181**	**3.3181**	**6.0000e-005**	**0.0000**	**3.3195**

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	0.0415	0.2136	0.4755	8.4000e-004		9.9200e-003	9.9200e-003		9.9200e-003	9.9200e-003	0.0000	72.2985	72.2985	3.3900e-003	0.0000	72.3832
Paving	1.7000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0432**	**0.2136**	**0.4755**	**8.4000e-004**		**9.9200e-003**	**9.9200e-003**		**9.9200e-003**	**9.9200e-003**	**0.0000**	**72.2985**	**72.2985**	**3.3900e-003**	**0.0000**	**72.3832**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1700e-003	6.8000e-004	9.0300e-003	4.0000e-005	4.5500e-003	3.0000e-005	4.5700e-003	1.2200e-003	2.0000e-005	1.2400e-003	0.0000	3.3181	3.3181	6.0000e-005	0.0000	3.3195
Total	**1.1700e-003**	**6.8000e-004**	**9.0300e-003**	**4.0000e-005**	**4.5500e-003**	**3.0000e-005**	**4.5700e-003**	**1.2200e-003**	**2.0000e-005**	**1.2400e-003**	**0.0000**	**3.3181**	**3.3181**	**6.0000e-005**	**0.0000**	**3.3195**

Phase 3 Construction

Los Angeles-South Coast, Summary Report

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	180.00	1000sqft	4.53	180,000.00	0
Medical Office Building	70.00	1000sqft	1.61	70,000.00	0
General Heavy Industry	10.00	1000sqft	0.23	10,000.00	0
General Light Industry	30.00	1000sqft	0.69	30,000.00	0
Parking Lot	1.30	Acre	1.30	56,700.00	0
Hotel	52.00	Room	1.72	75,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2028
Utility Company					
CO2 Intensity (lb/MWhr)	0	**CH4 Intensity (lb/MWhr)**	0	**N2O Intensity (lb/MWhr)**	0

1.3 User Entered Comments

Only CalEEMod defaults were used.

Project Characteristics -

Land Use - Based on information provided by the applicant.

Construction Phase - Based on information provided by the applicant.

Trips and VMT - Assumes one water truck and two trips per day per truck.

Demolition -

Grading -

Construction Off-road Equipment Mitigation - Per SCAQMD Rules 403 and 1186.

2.0 Peak Daily Emissions

Peak Daily Construction Emissions

Peak Daily Construction Emissions

		Unmitigated						Mitigated					
		ROG	NOX	CO	SO2	PM10	PM2.5	ROG	NOX	CO	SO2	PM10	PM2.5
Year	Phase	lb/day											
2026	Demolition	2.2206 W	21.4520 W	20.6360 S	0.0502 S	4.0972 W	1.3362 W	2.2206 W	21.4520 W	20.6360 S	0.0502 S	2.4476 W	1.0837 W
2026	Site Preparation	2.5426 W	25.4072 W	18.4507 S	0.0403 S	19.3686 W	10.9890 W	2.5426 W	25.4072 W	18.4507 S	0.0403 S	9.0092 W	5.2997 W
2026	Grading	2.9908 W	28.4954 W	27.0622 S	0.0662 S	10.0863 W	4.7138 W	2.9908 W	28.4954 W	27.0622 S	0.0662 S	5.0984 W	2.6494 W
2026	Building Construction	2.0650 W	17.4907 W	21.6813 S	0.0582 S	2.6859 W	1.0904 W	2.0650 W	17.4907 W	21.6813 S	0.0582 S	2.5247 W	1.0508 W
2027	Building Construction	2.0378 W	17.4239 W	21.3965 S	0.0576 S	2.6852 W	1.0897 W	2.0378 W	17.4239 W	21.3965 S	0.0576 S	2.5239 W	1.0501 W
2028	Building Construction	2.0097 W	17.3666 W	21.1490 S	0.0571 S	2.6843 W	1.0889 W	2.0097 W	17.3666 W	21.1490 S	0.0571 S	2.5230 W	1.0493 W
2029	Building Construction	1.9778 W	17.3094 W	20.9015 S	0.0567 S	2.6834 W	1.0881 W	1.9778 W	17.3094 W	20.9015 S	0.0567 S	2.5222 W	1.0485 W
2030	Building Construction	1.8871 W	12.7191 W	20.7477 S	0.0603 S	2.3032 W	0.7392 W	1.8871 W	12.7191 W	20.7477 S	0.0603 S	2.1420 W	0.6997 W
2027	Architectural Coating	4.1384 W	1.2021 W	2.5887 S	5.7400e-003 S	0.3891 S	0.1425 S	4.1384 W	1.2021 W	2.5887 S	5.7400e-003 S	0.3629 S	0.1361 S
2028	Architectural Coating	4.1334 W	1.1978 W	2.5435 S	5.6600e-003 S	0.3889 S	0.1424 S	4.1334 W	1.1978 W	2.5435 S	5.6600e-003 S	0.3627 S	0.1359 S
2029	Architectural Coating	4.1275 W	1.1936 W	2.4980 S	5.5900e-003 S	0.3888 S	0.1422 S	4.1275 W	1.1936 W	2.4980 S	5.5900e-003 S	0.3625 S	0.1358 S
2030	Architectural Coating	4.0814 W	0.9003 W	2.4446 S	5.5200e-003 S	0.3575 S	0.1109 S	4.0814 W	0.9003 W	2.4446 S	5.5200e-003 S	0.3312 S	0.1045 S
2030	Paving	1.4852 W	7.1422 W	16.1729 S	0.0293 S	0.4992 S	0.3759 S	1.4852 W	7.1422 W	16.1729 S	0.0293 S	0.4861 S	0.3727 S
	Peak Daily Total	4.1384 W	28.4954 W	27.0622 S	0.0662 S	19.3686 W	10.9890 W	4.1384 W	28.4954 W	27.0622 S	0.0662 S	9.0092 W	5.2997 W
	Air District Threshold												

	Exceed Significance?												

3.0 Annual GHG Emissions

Annual GHG

Annual GHG

		Unmitigated				Mitigated			
		CO2	CH4	N2O	CO2e	CO2	CH4	N2O	CO2e
GHG Activity	Year	MT/yr							
Construction	2026	642.5698	0.1389	0.0000	646.0427	642.5692	0.1389	0.0000	646.0422
Construction	2027	695.4008	0.0863	0.0000	697.5594	695.4004	0.0863	0.0000	697.5591
Construction	2028	725.8441	0.0871	0.0000	728.0206	725.8437	0.0871	0.0000	728.0202
Construction	2029	722.9251	0.0870	0.0000	725.0992	722.9247	0.0870	0.0000	725.0988
Construction	2030	182.4230	7.0307e-003	0.0000	182.5988	182.4229	7.0307e-003	0.0000	182.5986
	Total								
	Significance Threshold								
	Exceed Significance?								

Phase 3 Construction

Los Angeles-South Coast County, Mitigation Report

Construction Mitigation Summary

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Demolition	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

OFFROAD Equipment Mitigation

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Air Compressors	Diesel	No Change	0	1	No Change	0.00
Concrete/Industrial Saws	Diesel	No Change	0	1	No Change	0.00
Cranes	Diesel	No Change	0	1	No Change	0.00
Excavators	Diesel	No Change	0	5	No Change	0.00
Forklifts	Diesel	No Change	0	3	No Change	0.00
Generator Sets	Diesel	No Change	0	1	No Change	0.00
Graders	Diesel	No Change	0	1	No Change	0.00
Pavers	Diesel	No Change	0	2	No Change	0.00
Paving Equipment	Diesel	No Change	0	2	No Change	0.00

Rollers	Diesel	No Change	0	2	No Change	0.00
Rubber Tired Dozers	Diesel	No Change	0	6	No Change	0.00
Scrapers	Diesel	No Change	0	2	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	No Change	0	9	No Change	0.00
Welders	Diesel	No Change	0	1	No Change	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Unmitigated tons/yr						Unmitigated mt/yr					
Air Compressors	7.00000E-002	4.66710E-001	7.94550E-001	1.31000E-003	1.86400E-002	1.86400E-002	0.00000E+000	1.12343E+002	1.12343E+002	5.66000E-003	0.00000E+000	1.12485E+002
Concrete/Industrial Saws	8.85000E-003	6.80800E-002	1.09350E-001	1.90000E-004	2.78000E-003	2.78000E-003	0.00000E+000	1.61297E+001	1.61297E+001	7.10000E-004	0.00000E+000	1.61475E+001
Cranes	1.22810E-001	1.23039E+000	6.80890E-001	2.28000E-003	5.22300E-002	4.80700E-002	0.00000E+000	2.00375E+002	2.00375E+002	6.35000E-002	0.00000E+000	2.01962E+002
Excavators	2.50700E-002	1.83250E-001	4.88910E-001	7.80000E-004	8.98000E-003	8.27000E-003	0.00000E+000	6.80848E+001	6.80848E+001	2.20200E-002	0.00000E+000	6.86353E+001
Forklifts	1.17350E-001	1.09660E+000	1.53207E+000	2.07000E-003	5.82100E-002	5.35600E-002	0.00000E+000	1.81996E+002	1.81996E+002	5.77100E-002	0.00000E+000	1.83439E+002
Generator Sets	1.19280E-001	1.07292E+000	1.64657E+000	2.96000E-003	4.24300E-002	4.24300E-002	0.00000E+000	2.54343E+002	2.54343E+002	9.36000E-003	0.00000E+000	2.54577E+002
Graders	9.33000E-003	1.03700E-001	4.78200E-002	2.00000E-004	3.34000E-003	3.07000E-003	0.00000E+000	1.74245E+001	1.74245E+001	5.64000E-003	0.00000E+000	1.75654E+001
Pavers	1.73300E-002	8.23300E-002	1.92170E-001	3.50000E-004	4.28000E-003	4.28000E-003	0.00000E+000	2.97880E+001	2.97880E+001	1.42000E-003	0.00000E+000	2.98233E+001
Paving Equipment	1.45800E-002	6.85400E-002	1.66250E-001	3.00000E-004	3.52000E-003	3.52000E-003	0.00000E+000	2.59254E+001	2.59254E+001	1.19000E-003	0.00000E+000	2.59550E+001
Rollers	9.62000E-003	6.27300E-002	1.17070E-001	1.90000E-004	2.12000E-003	2.12000E-003	0.00000E+000	1.65852E+001	1.65852E+001	7.90000E-004	0.00000E+000	1.66049E+001
Rubber Tired Dozers	9.72100E-002	9.94680E-001	4.49660E-001	1.28000E-003	4.35200E-002	4.00400E-002	0.00000E+000	1.12531E+002	1.12531E+002	3.63900E-002	0.00000E+000	1.13441E+002
Scrapers	4.03100E-002	3.82250E-001	3.22840E-001	9.10000E-004	1.50500E-002	1.38400E-002	0.00000E+000	7.99128E+001	7.99128E+001	2.58500E-002	0.00000E+000	8.05590E+001
Tractors/Loaders/Backhoes	1.75470E-001	1.75714E+000	2.94852E+000	4.14000E-003	7.06900E-002	6.50700E-002	0.00000E+000	3.63217E+002	3.63217E+002	1.15420E-001	0.00000E+000	3.66103E+002
Welders	9.84300E-002	6.02670E-001	7.42820E-001	1.15000E-003	1.81900E-002	1.81900E-002	0.00000E+000	8.46993E+001	8.46993E+001	8.01000E-003	0.00000E+000	8.48995E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Mitigated tons/yr						Mitigated mt/yr					
Air Compressors	7.00000E-002	4.66710E-001	7.94550E-001	1.31000E-003	1.86400E-002	1.86400E-002	0.00000E+000	1.12343E+002	1.12343E+002	5.66000E-003	0.00000E+000	1.12485E+002
Concrete/Industrial Saws	8.85000E-003	6.80800E-002	1.09350E-001	1.90000E-004	2.78000E-003	2.78000E-003	0.00000E+000	1.61297E+001	1.61297E+001	7.10000E-004	0.00000E+000	1.61474E+001
Cranes	1.22810E-001	1.23039E+000	6.80890E-001	2.28000E-003	5.22300E-002	4.80700E-002	0.00000E+000	2.00375E+002	2.00375E+002	6.35000E-002	0.00000E+000	2.01962E+002

Excavators	2.50700E-002	1.83250E-001	4.88910E-001	7.80000E-004	8.98000E-003	8.27000E-003	0.00000E+000	6.80848E+001	6.80848E+001	2.20200E-002	0.00000E+000	6.86353E+001
Forklifts	1.17350E-001	1.09660E+000	1.53206E+000	2.07000E-003	5.82100E-002	5.35600E-002	0.00000E+000	1.81996E+002	1.81996E+002	5.77100E-002	0.00000E+000	1.83439E+002
Generator Sets	1.19280E-001	1.07292E+000	1.64657E+000	2.96000E-003	4.24300E-002	4.24300E-002	0.00000E+000	2.54343E+002	2.54343E+002	9.36000E-003	0.00000E+000	2.54577E+002
Graders	9.33000E-003	1.03700E-001	4.78200E-002	2.00000E-004	3.34000E-003	3.07000E-003	0.00000E+000	1.74245E+001	1.74245E+001	5.64000E-003	0.00000E+000	1.75653E+001
Pavers	1.73300E-002	8.23300E-002	1.92170E-001	3.50000E-004	4.28000E-003	4.28000E-003	0.00000E+000	2.97879E+001	2.97879E+001	1.42000E-003	0.00000E+000	2.98233E+001
Paving Equipment	1.45800E-002	6.85400E-002	1.66250E-001	3.00000E-004	3.52000E-003	3.52000E-003	0.00000E+000	2.59253E+001	2.59253E+001	1.19000E-003	0.00000E+000	2.59550E+001
Rollers	9.62000E-003	6.27300E-002	1.17070E-001	1.90000E-004	2.12000E-003	2.12000E-003	0.00000E+000	1.65852E+001	1.65852E+001	7.90000E-004	0.00000E+000	1.66049E+001
Rubber Tired Dozers	9.72100E-002	9.94670E-001	4.49660E-001	1.28000E-003	4.35200E-002	4.00400E-002	0.00000E+000	1.12531E+002	1.12531E+002	3.63900E-002	0.00000E+000	1.13441E+002
Scrapers	4.03100E-002	3.82250E-001	3.22840E-001	9.10000E-004	1.50500E-002	1.38400E-002	0.00000E+000	7.99127E+001	7.99127E+001	2.58500E-002	0.00000E+000	8.05589E+001
Tractors/Loaders/Backhoes	1.75470E-001	1.75714E+000	2.94852E+000	4.14000E-003	7.06900E-002	6.50700E-002	0.00000E+000	3.63216E+002	3.63216E+002	1.15420E-001	0.00000E+000	3.66102E+002
Welders	9.84300E-002	6.02670E-001	7.42820E-001	1.15000E-003	1.81900E-002	1.81900E-002	0.00000E+000	8.46992E+001	8.46992E+001	8.01000E-003	0.00000E+000	8.48994E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Air Compressors	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.15717E-006	1.15717E-006	0.00000E+000	0.00000E+000	1.24461E-006
Concrete/Industrial Saws	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.23995E-006	1.23995E-006	0.00000E+000	0.00000E+000	1.23858E-006
Cranes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.19776E-006	1.19776E-006	0.00000E+000	0.00000E+000	1.18834E-006
Excavators	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17500E-006	1.17500E-006	0.00000E+000	0.00000E+000	1.16558E-006
Forklifts	0.00000E+000	0.00000E+000	6.52712E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.20882E-006	1.20882E-006	0.00000E+000	0.00000E+000	1.14480E-006
Generator Sets	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17951E-006	1.17951E-006	0.00000E+000	0.00000E+000	1.17842E-006
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.14781E-006	1.14781E-006	0.00000E+000	0.00000E+000	1.13861E-006
Pavers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.34282E-006	1.34282E-006	0.00000E+000	0.00000E+000	1.00592E-006
Paving Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.54289E-006	1.54289E-006	0.00000E+000	0.00000E+000	1.15585E-006
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.20589E-006	1.20589E-006	0.00000E+000	0.00000E+000	1.20446E-006
Rubber Tired Dozers	0.00000E+000	1.00535E-005	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.24410E-006	1.24410E-006	0.00000E+000	0.00000E+000	1.23412E-006
Scrapers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.25136E-006	1.25136E-006	0.00000E+000	0.00000E+000	1.24133E-006
Tractors/Loaders/Backhoes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18387E-006	1.18387E-006	0.00000E+000	0.00000E+000	1.20185E-006
Welders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18065E-006	1.18065E-006	0.00000E+000	0.00000E+000	1.17786E-006

Fugitive Dust Mitigation

Yes/No	Mitigation Measure	Mitigation Input		Mitigation Input		Mitigation Input	
No	Soil Stabilizer for unpaved Roads	PM10 Reduction	0.00	PM2.5 Reduction	0.00		
Yes	Replace Ground Cover of Area Disturbed	PM10 Reduction	5.00	PM2.5 Reduction	5.00		
Yes	Water Exposed Area	PM10 Reduction	55.00	PM2.5 Reduction	55.00	Frequency (per day)	2.00
No	Unpaved Road Mitigation	Moisture Content %	0.00	Vehicle Speed (mph)	15.00		
Yes	Clean Paved Road	% PM Reduction	9.00				

		Unmitigated		Mitigated		Percent Reduction	
Phase	Source	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Architectural Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	Roads	0.14	0.04	0.13	0.04	0.08	0.07
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	0.95	0.26	0.87	0.24	0.08	0.07
Demolition	Fugitive Dust	0.08	0.01	0.04	0.01	0.57	0.57
Demolition	Roads	0.01	0.00	0.01	0.00	0.07	0.06
Grading	Fugitive Dust	0.26	0.11	0.11	0.05	0.57	0.57
Grading	Roads	0.01	0.00	0.01	0.00	0.08	0.07
Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Roads	0.00	0.00	0.00	0.00	0.08	0.07
Site Preparation	Fugitive Dust	0.36	0.20	0.15	0.08	0.57	0.57
Site Preparation	Roads	0.00	0.00	0.00	0.00	0.07	0.07

CalEEMod Output: Construction – Phase 4

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Phase 4 Construction

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Medical Office Building	120.00	1000sqft	7.68	120,000.00	0
Research & Development	130.00	1000sqft	7.68	130,000.00	0
Parking Lot	1.52	Acre	1.52	66,300.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2033
Utility Company					
CO2 Intensity (lb/MWhr)	0	**CH4 Intensity (lb/MWhr)**	0	**N2O Intensity (lb/MWhr)**	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on information provided by the applicant.

Construction Phase - Based on information provided by the applicant.

Grading -

Demolition -

Trips and VMT - Assumes one truck and two trips per day per truck.

Construction Off-road Equipment Mitigation - Per SCAQMD Rules 403 and 1186.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstructionPhase	NumDays	20.00	880.00
tblConstructionPhase	NumDays	300.00	900.00
tblConstructionPhase	NumDays	20.00	60.00
tblConstructionPhase	NumDays	30.00	60.00
tblConstructionPhase	NumDays	20.00	58.00
tblConstructionPhase	NumDays	10.00	40.00
tblConstructionPhase	PhaseEndDate	12/31/2030	12/27/2035
tblConstructionPhase	PhaseEndDate	12/31/2030	1/23/2035
tblConstructionPhase	PhaseEndDate	12/31/2030	3/25/2031
tblConstructionPhase	PhaseEndDate	12/31/2030	8/12/2031
tblConstructionPhase	PhaseEndDate	12/31/2030	4/14/2035
tblConstructionPhase	PhaseEndDate	12/31/2030	5/20/2031
tblConstructionPhase	PhaseStartDate	1/1/2031	8/13/2032
tblConstructionPhase	PhaseStartDate	1/1/2031	8/13/2031
tblConstructionPhase	PhaseStartDate	1/1/2031	5/21/2031
tblConstructionPhase	PhaseStartDate	1/1/2031	1/24/2035
tblConstructionPhase	PhaseStartDate	1/1/2031	3/26/2031
tblGrading	MaterialExported	0.00	907.00
tblLandUse	BuildingSpaceSquareFeet	66,298.32	66,300.00
tblLandUse	LandUseSquareFeet	66,298.32	66,300.00
tblLandUse	LotAcreage	2.75	7.68
tblLandUse	LotAcreage	2.98	7.68
tblProjectCharacteristics	OperationalYear	2018	2033

tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00

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					
2031	3.3412	14.2832	23.5775	0.0734	18.2803	0.4897	18.7181	9.9877	0.4896	10.4255	0.0000	7,576.3901	7,576.3901	0.3064	0.0000	7,584.0503
2032	4.4734	12.3455	21.4009	0.0569	1.7861	0.1789	1.9650	0.4813	0.1782	0.6595	0.0000	5,563.8834	5,563.8834	0.2084	0.0000	5,569.0927
2033	4.4533	12.3139	21.2605	0.0566	1.7861	0.1784	1.9645	0.4813	0.1778	0.6590	0.0000	5,542.4718	5,542.4718	0.2066	0.0000	5,547.6376
2034	4.4362	12.2865	21.1225	0.0565	1.7861	0.1780	1.9641	0.4813	0.1773	0.6586	0.0000	5,523.8953	5,523.8953	0.2050	0.0000	5,529.0203
2035	4.3169	11.3939	20.9659	0.0563	1.7861	0.1989	1.8955	0.4813	0.1988	0.5901	0.0000	5,508.1130	5,508.1130	0.1943	0.0000	5,512.9713
Maximum	**4.4734**	**14.2832**	**23.5775**	**0.0734**	**18.2803**	**0.4897**	**18.7181**	**9.9877**	**0.4896**	**10.4255**	**0.0000**	**7,576.3901**	**7,576.3901**	**0.3064**	**0.0000**	**7,584.0503**

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					
2031	3.3412	14.2832	23.5775	0.0734	7.9208	0.4897	8.3586	4.2984	0.4896	4.7361	0.0000	7,576.3901	7,576.3901	0.3064	0.0000	7,584.0503
2032	4.4734	12.3455	21.4009	0.0569	1.6510	0.1789	1.8300	0.4481	0.1782	0.6263	0.0000	5,563.8834	5,563.8834	0.2084	0.0000	5,569.0927
2033	4.4533	12.3139	21.2605	0.0566	1.6510	0.1784	1.8295	0.4481	0.1778	0.6259	0.0000	5,542.4718	5,542.4718	0.2066	0.0000	5,547.6376
2034	4.4362	12.2865	21.1225	0.0565	1.6511	0.1780	1.8290	0.4481	0.1773	0.6254	0.0000	5,523.8953	5,523.8953	0.2050	0.0000	5,529.0203
2035	4.3169	11.3939	20.9659	0.0563	1.6511	0.1989	1.7605	0.4481	0.1988	0.5569	0.0000	5,508.1130	5,508.1130	0.1943	0.0000	5,512.9713
Maximum	**4.4734**	**14.2832**	**23.5775**	**0.0734**	**7.9208**	**0.4897**	**8.3586**	**4.2984**	**0.4896**	**4.7361**	**0.0000**	**7,576.3901**	**7,576.3901**	**0.3064**	**0.0000**	**7,584.0503**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**42.87**	**0.00**	**41.12**	**48.87**	**0.00**	**44.81**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2031	3/25/2031	5	60	
2	Site Preparation	Site Preparation	3/26/2031	5/20/2031	5	40	
3	Grading	Grading	5/21/2031	8/12/2031	5	60	
4	Building Construction	Building Construction	8/13/2031	1/23/2035	5	900	
5	Architectural Coating	Architectural Coating	8/13/2032	12/27/2035	5	880	
6	Paving	Paving	1/24/2035	4/14/2035	5	58	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 150

Acres of Paving: 1.52

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 375,000; Non-Residential Outdoor: 125,000; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	2	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	22.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	108.00	52.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	2.00	605.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	2.00	113.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.1823	0.0000	2.1823	0.3304	0.0000	0.3304			0.0000			0.0000
Off-Road	2.0746	9.7770	18.9168	0.0462		0.3511	0.3511		0.3511	0.3511		4,378.5819	4,378.5819	0.1847		4,383.2000
Total	**2.0746**	**9.7770**	**18.9168**	**0.0462**	**2.1823**	**0.3511**	**2.5334**	**0.3304**	**0.3511**	**0.6815**		**4,378.5819**	**4,378.5819**	**0.1847**		**4,383.2000**

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	0.0506	1.5033	0.5981	7.1300e-003	0.1764	2.6500e-003	0.1790	0.0484	2.5300e-003	0.0509		780.7274	780.7274	0.0517		782.0210
Vendor	3.6500e-003	0.1321	0.0379	4.7000e-004	0.0128	1.4000e-004	0.0130	3.6900e-003	1.4000e-004	3.8200e-003		51.0803	51.0803	2.5000e-003		51.1428
Worker	0.0355	0.0181	0.3030	1.2500e-003	0.1677	8.5000e-004	0.1685	0.0445	7.8000e-004	0.0452		124.7846	124.7846	2.0500e-003		124.8359
Total	**0.0898**	**1.6534**	**0.9390**	**8.8500e-003**	**0.3569**	**3.6400e-003**	**0.3605**	**0.0965**	**3.4500e-003**	**0.1000**		**956.5922**	**956.5922**	**0.0563**		**957.9996**

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					0.9330	0.0000	0.9330	0.1413	0.0000	0.1413			0.0000			0.0000
Off-Road	2.0746	9.7770	18.9168	0.0462		0.3511	0.3511		0.3511	0.3511	0.0000	4,378.5819	4,378.5819	0.1847		4,383.2000
Total	**2.0746**	**9.7770**	**18.9168**	**0.0462**	**0.9330**	**0.3511**	**1.2840**	**0.1413**	**0.3511**	**0.4923**	**0.0000**	**4,378.5819**	**4,378.5819**	**0.1847**		**4,383.2000**

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	0.0506	1.5033	0.5981	7.1300e-003	0.1644	2.6500e-003	0.1670	0.0454	2.5300e-003	0.0480		780.7274	780.7274	0.0517		782.0210
Vendor	3.6500e-003	0.1321	0.0379	4.7000e-004	0.0120	1.4000e-004	0.0121	3.4900e-003	1.4000e-004	3.6200e-003		51.0803	51.0803	2.5000e-003		51.1428
Worker	0.0355	0.0181	0.3030	1.2500e-003	0.1546	8.5000e-004	0.1554	0.0413	7.8000e-004	0.0420		124.7846	124.7846	2.0500e-003		124.8359
Total	**0.0898**	**1.6534**	**0.9390**	**8.8500e-003**	**0.3309**	**3.6400e-003**	**0.3346**	**0.0902**	**3.4500e-003**	**0.0936**		**956.5922**	**956.5922**	**0.0563**		**957.9996**

3.3 Site Preparation - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.4399	13.6680	16.2918	0.0466		0.4367	0.4367		0.4367	0.4367		4,409.7537	4,409.7537	0.2176		4,415.1936
Total	**2.4399**	**13.6680**	**16.2918**	**0.0466**	**18.0663**	**0.4367**	**18.5029**	**9.9307**	**0.4367**	**10.3673**		**4,409.7537**	**4,409.7537**	**0.2176**		**4,415.1936**

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	3.6500e-003	0.1321	0.0379	4.7000e-004	0.0128	1.4000e-004	0.0130	3.6900e-003	1.4000e-004	3.8200e-003		51.0803	51.0803	2.5000e-003		51.1428
Worker	0.0426	0.0218	0.3636	1.5000e-003	0.2012	1.0200e-003	0.2022	0.0534	9.4000e-004	0.0543		149.7415	149.7415	2.4600e-003		149.8030
Total	**0.0463**	**0.1538**	**0.4015**	**1.9700e-003**	**0.2140**	**1.1600e-003**	**0.2152**	**0.0571**	**1.0800e-003**	**0.0581**		**200.8218**	**200.8218**	**4.9600e-003**		**200.9458**

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					7.7233	0.0000	7.7233	4.2454	0.0000	4.2454			0.0000			0.0000
Off-Road	2.4399	13.6680	16.2918	0.0466		0.4367	0.4367		0.4367	0.4367	0.0000	4,409.7537	4,409.7537	0.2176		4,415.1936
Total	**2.4399**	**13.6680**	**16.2918**	**0.0466**	**7.7233**	**0.4367**	**8.1600**	**4.2454**	**0.4367**	**4.6820**	**0.0000**	**4,409.7537**	**4,409.7537**	**0.2176**		**4,415.1936**

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	3.6500e-003	0.1321	0.0379	4.7000e-004	0.0120	1.4000e-004	0.0121	3.4900e-003	1.4000e-004	3.6200e-003		51.0803	51.0803	2.5000e-003		51.1428
Worker	0.0426	0.0218	0.3636	1.5000e-003	0.1855	1.0200e-003	0.1865	0.0495	9.4000e-004	0.0504		149.7415	149.7415	2.4600e-003		149.8030
Total	**0.0463**	**0.1538**	**0.4015**	**1.9700e-003**	**0.1975**	**1.1600e-003**	**0.1986**	**0.0530**	**1.0800e-003**	**0.0541**		**200.8218**	**200.8218**	**4.9600e-003**		**200.9458**

3.4 Grading - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Fugitive Dust					8.6751	0.0000	8.6751	3.5968	0.0000	3.5968			0.0000			0.0000
Off-Road	3.2807	13.8462	23.0239	0.0699		0.4879	0.4879		0.4879	0.4879		7,213.1086	7,213.1086	0.2915		7,220.3963
Total	**3.2807**	**13.8462**	**23.0239**	**0.0699**	**8.6751**	**0.4879**	**9.1630**	**3.5968**	**0.4879**	**4.0847**		**7,213.1086**	**7,213.1086**	**0.2915**		**7,220.3963**

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	9.4500e-003	0.2808	0.1117	1.3300e-003	0.0330	4.9000e-004	0.0334	9.0300e-003	4.7000e-004	9.5100e-003		145.8218	145.8218	9.6600e-003		146.0634
Vendor	3.6500e-003	0.1321	0.0379	4.7000e-004	0.0128	1.4000e-004	0.0130	3.6900e-003	1.4000e-004	3.8200e-003		51.0803	51.0803	2.5000e-003		51.1428
Worker	0.0474	0.0242	0.4041	1.6700e-003	0.2236	1.1300e-003	0.2247	0.0593	1.0400e-003	0.0603		166.3795	166.3795	2.7300e-003		166.4478
Total	**0.0605**	**0.4370**	**0.5537**	**3.4700e-003**	**0.2693**	**1.7600e-003**	**0.2711**	**0.0720**	**1.6500e-003**	**0.0737**		**363.2815**	**363.2815**	**0.0149**		**363.6540**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.7086	0.0000	3.7086	1.5376	0.0000	1.5376			0.0000			0.0000
Off-Road	3.2807	13.8462	23.0239	0.0699		0.4879	0.4879		0.4879	0.4879	0.0000	7,213.1086	7,213.1086	0.2915		7,220.3963
Total	**3.2807**	**13.8462**	**23.0239**	**0.0699**	**3.7086**	**0.4879**	**4.1965**	**1.5376**	**0.4879**	**2.0255**	**0.0000**	**7,213.1086**	**7,213.1086**	**0.2915**		**7,220.3963**

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	9.4500e-003	0.2808	0.1117	1.3300e-003	0.0307	4.9000e-004	0.0312	8.4800e-003	4.7000e-004	8.9600e-003		145.8218	145.8218	9.6600e-003		146.0634
Vendor	3.6500e-003	0.1321	0.0379	4.7000e-004	0.0120	1.4000e-004	0.0121	3.4900e-003	1.4000e-004	3.6200e-003		51.0803	51.0803	2.5000e-003		51.1428

Worker	0.0474	0.0242	0.4041	1.6700e-003	0.2061	1.1300e-003	0.2072	0.0550	1.0400e-003	0.0560		166.3795	166.3795	2.7300e-003		166.4478
Total	**0.0605**	**0.4370**	**0.5537**	**3.4700e-003**	**0.2488**	**1.7600e-003**	**0.2505**	**0.0670**	**1.6500e-003**	**0.0686**		**363.2815**	**363.2815**	**0.0149**		**363.6540**

3.5 Building Construction - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**		**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

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	0.0949	3.4338	0.9853	0.0124	0.3330	3.6800e-003	0.3367	0.0959	3.5200e-003	0.0994		1,328.0873	1,328.0873	0.0650		1,329.7124
Worker	0.2559	0.1305	2.1819	9.0000e-003	1.2072	6.1000e-003	1.2133	0.3202	5.6100e-003	0.3258		898.4491	898.4491	0.0148		898.8183

Total	**0.3508**	**3.5643**	**3.1672**	**0.0214**	**1.5402**	**9.7800e-003**	**1.5500**	**0.4160**	**9.1300e-003**	**0.4252**		**2,226.5364**	**2,226.5364**	**0.0798**		**2,228.5306**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

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	0.0949	3.4338	0.9853	0.0124	0.3116	3.6800e-003	0.3153	0.0906	3.5200e-003	0.0942		1,328.0873	1,328.0873	0.0650		1,329.7124
Worker	0.2559	0.1305	2.1819	9.0000e-003	1.1127	6.1000e-003	1.1188	0.2970	5.6100e-003	0.3026		898.4491	898.4491	0.0148		898.8183
Total	**0.3508**	**3.5643**	**3.1672**	**0.0214**	**1.4244**	**9.7800e-003**	**1.4342**	**0.3876**	**9.1300e-003**	**0.3967**		**2,226.5364**	**2,226.5364**	**0.0798**		**2,228.5306**

3.5 Building Construction - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**		**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

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	0.0941	3.4113	0.9807	0.0123	0.3330	3.6300e-003	0.3366	0.0959	3.4700e-003	0.0994		1,325.4329	1,325.4329	0.0645		1,327.0453
Worker	0.2368	0.1190	2.0483	8.8200e-003	1.2072	5.6900e-003	1.2129	0.3202	5.2400e-003	0.3254		880.1632	880.1632	0.0135		880.5005
Total	**0.3308**	**3.5303**	**3.0290**	**0.0211**	**1.5402**	**9.3200e-003**	**1.5495**	**0.4160**	**8.7100e-003**	**0.4247**		**2,205.5961**	**2,205.5961**	**0.0780**		**2,207.5458**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

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	0.0941	3.4113	0.9807	0.0123	0.3116	3.6300e-003	0.3153	0.0906	3.4700e-003	0.0941		1,325.4329	1,325.4329	0.0645		1,327.0453
Worker	0.2368	0.1190	2.0483	8.8200e-003	1.1127	5.6900e-003	1.1184	0.2970	5.2400e-003	0.3022		880.1632	880.1632	0.0135		880.5005
Total	**0.3308**	**3.5303**	**3.0290**	**0.0211**	**1.4244**	**9.3200e-003**	**1.4337**	**0.3876**	**8.7100e-003**	**0.3963**		**2,205.5961**	**2,205.5961**	**0.0780**		**2,207.5458**

3.5 Building Construction - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**		**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

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	0.0934	3.3915	0.9774	0.0123	0.3330	3.5800e-003	0.3366	0.0959	3.4300e-003	0.0993		1,323.3392	1,323.3392	0.0641		1,324.9407
Worker	0.2206	0.1093	1.9344	8.6500e-003	1.2072	5.3200e-003	1.2125	0.3202	4.8900e-003	0.3251		864.1145	864.1145	0.0124		864.4247
Total	**0.3140**	**3.5008**	**2.9117**	**0.0210**	**1.5402**	**8.9000e-003**	**1.5491**	**0.4160**	**8.3200e-003**	**0.4244**		**2,187.4537**	**2,187.4537**	**0.0765**		**2,189.3654**

Mitigated Construction On-Site

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

Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

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	0.0934	3.3915	0.9774	0.0123	0.3116	3.5800e-003	0.3152	0.0906	3.4300e-003	0.0941		1,323.3392	1,323.3392	0.0641		1,324.9407
Worker	0.2206	0.1093	1.9344	8.6500e-003	1.1127	5.3200e-003	1.1181	0.2970	4.8900e-003	0.3019		864.1145	864.1145	0.0124		864.4247
Total	**0.3140**	**3.5008**	**2.9117**	**0.0210**	**1.4244**	**8.9000e-003**	**1.4333**	**0.3876**	**8.3200e-003**	**0.3959**		**2,187.4537**	**2,187.4537**	**0.0765**		**2,189.3654**

3.5 Building Construction - 2034

Unmitigated Construction On-Site

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

Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**		**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

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	0.0929	3.3739	0.9737	0.0123	0.3330	3.5400e-003	0.3365	0.0959	3.3800e-003	0.0993		1,321.7865	1,321.7865	0.0637		1,323.3789
Worker	0.2068	0.1011	1.8228	8.5100e-003	1.2072	4.9700e-003	1.2122	0.3202	4.5700e-003	0.3247		849.9716	849.9716	0.0114		850.2556
Total	**0.2997**	**3.4750**	**2.7965**	**0.0208**	**1.5402**	**8.5100e-003**	**1.5487**	**0.4160**	**7.9500e-003**	**0.4240**		**2,171.7581**	**2,171.7581**	**0.0751**		**2,173.6344**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529

Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

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	0.0929	3.3739	0.9737	0.0123	0.3117	3.5400e-003	0.3152	0.0906	3.3800e-003	0.0940		1,321.7865	1,321.7865	0.0637		1,323.3789
Worker	0.2068	0.1011	1.8228	8.5100e-003	1.1127	4.9700e-003	1.1177	0.2970	4.5700e-003	0.3015		849.9716	849.9716	0.0114		850.2556
Total	**0.2997**	**3.4750**	**2.7965**	**0.0208**	**1.4244**	**8.5100e-003**	**1.4329**	**0.3876**	**7.9500e-003**	**0.3956**		**2,171.7581**	**2,171.7581**	**0.0751**		**2,173.6344**

3.5 Building Construction - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904		2,897.5468	2,897.5468	0.1079		2,900.2448
Total	**1.2168**	**7.1613**	**16.1178**	**0.0310**		**0.0904**	**0.0904**		**0.0904**	**0.0904**		**2,897.5468**	**2,897.5468**	**0.1079**		**2,900.2448**

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	0.0924	3.3603	0.9701	0.0123	0.3330	3.5100e-003	0.3365	0.0959	3.3500e-003	0.0992		1,320.6383	1,320.6383	0.0634		1,322.2226
Worker	0.1955	0.0952	1.7311	8.3900e-003	1.2072	4.6500e-003	1.2118	0.3202	4.2800e-003	0.3244		837.8141	837.8141	0.0105		838.0767
Total	**0.2879**	**3.4555**	**2.7012**	**0.0207**	**1.5402**	**8.1600e-003**	**1.5483**	**0.4160**	**7.6300e-003**	**0.4237**		**2,158.4524**	**2,158.4524**	**0.0739**		**2,160.2992**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904	0.0000	2,897.5468	2,897.5468	0.1079		2,900.2448
Total	**1.2168**	**7.1613**	**16.1178**	**0.0310**		**0.0904**	**0.0904**		**0.0904**	**0.0904**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1079**		**2,900.2448**

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	0.0924	3.3603	0.9701	0.0123	0.3117	3.5100e-003	0.3152	0.0906	3.3500e-003	0.0940		1,320.6383	1,320.6383	0.0634		1,322.2226
Worker	0.1955	0.0952	1.7311	8.3900e-003	1.1127	4.6500e-003	1.1174	0.2970	4.2800e-003	0.3012		837.8141	837.8141	0.0105		838.0767
Total	**0.2879**	**3.4555**	**2.7012**	**0.0207**	**1.4244**	**8.1600e-003**	**1.4325**	**0.3876**	**7.6300e-003**	**0.3952**		**2,158.4524**	**2,158.4524**	**0.0739**		**2,160.2992**

3.6 Architectural Coating - 2032

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	2.6545					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	**2.7852**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**281.4481**	**281.4481**	**0.0114**		**281.7328**

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	0.0000	0.0000	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	0.0482	0.0242	0.4172	1.8000e-003	0.2459	1.1600e-003	0.2471	0.0652	1.0700e-003	0.0663		179.2925	179.2925	2.7500e-003		179.3612
Total	**0.0482**	**0.0242**	**0.4172**	**1.8000e-003**	**0.2459**	**1.1600e-003**	**0.2471**	**0.0652**	**1.0700e-003**	**0.0663**		**179.2925**	**179.2925**	**2.7500e-003**		**179.3612**

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	2.6545					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
Total	**2.7852**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**	**0.0000**	**281.4481**	**281.4481**	**0.0114**		**281.7328**

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	0.0000	0.0000	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	0.0482	0.0242	0.4172	1.8000e-003	0.2267	1.1600e-003	0.2278	0.0605	1.0700e-003	0.0616		179.2925	179.2925	2.7500e-003		179.3612
Total	**0.0482**	**0.0242**	**0.4172**	**1.8000e-003**	**0.2267**	**1.1600e-003**	**0.2278**	**0.0605**	**1.0700e-003**	**0.0616**		**179.2925**	**179.2925**	**2.7500e-003**		**179.3612**

3.6 Architectural Coating - 2033

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	2.6545					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	**2.7852**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**281.4481**	**281.4481**	**0.0114**		**281.7328**

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	0.0000	0.0000	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	0.0449	0.0223	0.3940	1.7600e-003	0.2459	1.0800e-003	0.2470	0.0652	1.0000e-003	0.0662		176.0233	176.0233	2.5300e-003		176.0865
Total	**0.0449**	**0.0223**	**0.3940**	**1.7600e-003**	**0.2459**	**1.0800e-003**	**0.2470**	**0.0652**	**1.0000e-003**	**0.0662**		**176.0233**	**176.0233**	**2.5300e-003**		**176.0865**

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	2.6545					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
Total	**2.7852**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**	**0.0000**	**281.4481**	**281.4481**	**0.0114**		**281.7328**

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	0.0000	0.0000	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	0.0449	0.0223	0.3940	1.7600e-003	0.2267	1.0800e-003	0.2278	0.0605	1.0000e-003	0.0615		176.0233	176.0233	2.5300e-003		176.0865
Total	**0.0449**	**0.0223**	**0.3940**	**1.7600e-003**	**0.2267**	**1.0800e-003**	**0.2278**	**0.0605**	**1.0000e-003**	**0.0615**		**176.0233**	**176.0233**	**2.5300e-003**		**176.0865**

3.6 Architectural Coating - 2034

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	2.6545					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	**2.7852**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**281.4481**	**281.4481**	**0.0114**		**281.7328**

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	0.0000	0.0000	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	0.0421	0.0206	0.3713	1.7300e-003	0.2459	1.0100e-003	0.2469	0.0652	9.3000e-004	0.0662		173.1424	173.1424	2.3100e-003		173.2002
Total	**0.0421**	**0.0206**	**0.3713**	**1.7300e-003**	**0.2459**	**1.0100e-003**	**0.2469**	**0.0652**	**9.3000e-004**	**0.0662**		**173.1424**	**173.1424**	**2.3100e-003**		**173.2002**

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	2.6545					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
Total	**2.7852**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**	**0.0000**	**281.4481**	**281.4481**	**0.0114**		**281.7328**

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	0.0000	0.0000	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	0.0421	0.0206	0.3713	1.7300e-003	0.2267	1.0100e-003	0.2277	0.0605	9.3000e-004	0.0614		173.1424	173.1424	2.3100e-003		173.2002

Total	**0.0421**	**0.0206**	**0.3713**	**1.7300e-003**	**0.2267**	**1.0100e-003**	**0.2277**	**0.0605**	**9.3000e-004**	**0.0614**		**173.1424**	**173.1424**	**2.3100e-003**		**173.2002**

3.6 Architectural Coating - 2035

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	2.6545					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1179	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003		281.4481	281.4481	0.0104		281.7081
Total	**2.7724**	**0.7577**	**1.7943**	**2.9700e-003**		**9.9000e-003**	**9.9000e-003**		**9.9000e-003**	**9.9000e-003**		**281.4481**	**281.4481**	**0.0104**		**281.7081**

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	0.0000	0.0000	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	0.0398	0.0194	0.3526	1.7100e-003	0.2459	9.5000e-004	0.2469	0.0652	8.7000e-004	0.0661		170.6658	170.6658	2.1400e-003		170.7193
Total	**0.0398**	**0.0194**	**0.3526**	**1.7100e-003**	**0.2459**	**9.5000e-004**	**0.2469**	**0.0652**	**8.7000e-004**	**0.0661**		**170.6658**	**170.6658**	**2.1400e-003**		**170.7193**

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	2.6545					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1179	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003	0.0000	281.4481	281.4481	0.0104		281.7081
Total	**2.7724**	**0.7577**	**1.7943**	**2.9700e-003**		**9.9000e-003**	**9.9000e-003**		**9.9000e-003**	**9.9000e-003**	**0.0000**	**281.4481**	**281.4481**	**0.0104**		**281.7081**

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	0.0000	0.0000	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	0.0398	0.0194	0.3526	1.7100e-003	0.2267	9.5000e-004	0.2276	0.0605	8.7000e-004	0.0614		170.6658	170.6658	2.1400e-003		170.7193
Total	**0.0398**	**0.0194**	**0.3526**	**1.7100e-003**	**0.2267**	**9.5000e-004**	**0.2276**	**0.0605**	**8.7000e-004**	**0.0614**		**170.6658**	**170.6658**	**2.1400e-003**		**170.7193**

3.7 Paving - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1405	4.8761	15.8203	0.0281		0.1874	0.1874		0.1874	0.1874		2,656.5168	2,656.5168	0.1022		2,659.0727
Paving	0.0687					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2092**	**4.8761**	**15.8203**	**0.0281**		**0.1874**	**0.1874**		**0.1874**	**0.1874**		**2,656.5168**	**2,656.5168**	**0.1022**		**2,659.0727**

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	0.0000	0.0000	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	0.0272	0.0132	0.2404	1.1700e-003	0.1677	6.5000e-004	0.1683	0.0445	5.9000e-004	0.0451		116.3631	116.3631	1.4600e-003		116.3995
Total	**0.0272**	**0.0132**	**0.2404**	**1.1700e-003**	**0.1677**	**6.5000e-004**	**0.1683**	**0.0445**	**5.9000e-004**	**0.0451**		**116.3631**	**116.3631**	**1.4600e-003**		**116.3995**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1405	4.8761	15.8203	0.0281		0.1874	0.1874		0.1874	0.1874	0.0000	2,656.5168	2,656.5168	0.1022		2,659.0726
Paving	0.0687					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2092**	**4.8761**	**15.8203**	**0.0281**		**0.1874**	**0.1874**		**0.1874**	**0.1874**	**0.0000**	**2,656.5168**	**2,656.5168**	**0.1022**		**2,659.0726**

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	0.0000	0.0000	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	0.0272	0.0132	0.2404	1.1700e-003	0.1546	6.5000e-004	0.1552	0.0413	5.9000e-004	0.0418		116.3631	116.3631	1.4600e-003		116.3995
Total	**0.0272**	**0.0132**	**0.2404**	**1.1700e-003**	**0.1546**	**6.5000e-004**	**0.1552**	**0.0413**	**5.9000e-004**	**0.0418**		**116.3631**	**116.3631**	**1.4600e-003**		**116.3995**

Phase 4 Construction

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Medical Office Building	120.00	1000sqft	7.68	120,000.00	0
Research & Development	130.00	1000sqft	7.68	130,000.00	0
Parking Lot	1.52	Acre	1.52	66,300.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2033
Utility Company					
CO2 Intensity (lb/MWhr)	0	**CH4 Intensity (lb/MWhr)**	0	**N2O Intensity (lb/MWhr)**	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on information provided by the applicant.

Construction Phase - Based on information provided by the applicant.

Grading -

Demolition -

Trips and VMT - Assumes one truck and two trips per day per truck.

Construction Off-road Equipment Mitigation - Per SCAQMD Rules 403 and 1186.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstructionPhase	NumDays	20.00	880.00
tblConstructionPhase	NumDays	300.00	900.00
tblConstructionPhase	NumDays	20.00	60.00
tblConstructionPhase	NumDays	30.00	60.00
tblConstructionPhase	NumDays	20.00	58.00
tblConstructionPhase	NumDays	10.00	40.00
tblConstructionPhase	PhaseEndDate	12/31/2030	12/27/2035
tblConstructionPhase	PhaseEndDate	12/31/2030	1/23/2035
tblConstructionPhase	PhaseEndDate	12/31/2030	3/25/2031
tblConstructionPhase	PhaseEndDate	12/31/2030	8/12/2031
tblConstructionPhase	PhaseEndDate	12/31/2030	4/14/2035
tblConstructionPhase	PhaseEndDate	12/31/2030	5/20/2031
tblConstructionPhase	PhaseStartDate	1/1/2031	8/13/2032
tblConstructionPhase	PhaseStartDate	1/1/2031	8/13/2031
tblConstructionPhase	PhaseStartDate	1/1/2031	5/21/2031
tblConstructionPhase	PhaseStartDate	1/1/2031	1/24/2035
tblConstructionPhase	PhaseStartDate	1/1/2031	3/26/2031
tblGrading	MaterialExported	0.00	907.00
tblLandUse	BuildingSpaceSquareFeet	66,298.32	66,300.00
tblLandUse	LandUseSquareFeet	66,298.32	66,300.00
tblLandUse	LotAcreage	2.75	7.68
tblLandUse	LotAcreage	2.98	7.68

tblProjectCharacteristics	OperationalYear	2018	2033
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00

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					
2031	3.3483	14.2870	23.5457	0.0733	18.2803	0.4897	18.7181	9.9877	0.4896	10.4255	0.0000	7,562.8475	7,562.8475	0.3066	0.0000	7,570.5117
2032	4.5191	12.3449	21.2445	0.0559	1.7861	0.1790	1.9651	0.4813	0.1783	0.6595	0.0000	5,466.8435	5,466.8435	0.2105	0.0000	5,472.1054
2033	4.4967	12.3119	21.1147	0.0557	1.7861	0.1785	1.9646	0.4813	0.1778	0.6591	0.0000	5,446.4935	5,446.4935	0.2088	0.0000	5,451.7124
2034	4.4777	12.2832	20.9874	0.0555	1.7861	0.1780	1.9641	0.4813	0.1774	0.6586	0.0000	5,428.8126	5,428.8126	0.2072	0.0000	5,433.9918
2035	4.3569	11.3896	20.8399	0.0554	1.7861	0.1989	1.8956	0.4813	0.1988	0.5901	0.0000	5,413.7916	5,413.7916	0.1965	0.0000	5,418.7048
Maximum	**4.5191**	**14.2870**	**23.5457**	**0.0733**	**18.2803**	**0.4897**	**18.7181**	**9.9877**	**0.4896**	**10.4255**	**0.0000**	**7,562.8475**	**7,562.8475**	**0.3066**	**0.0000**	**7,570.5117**

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					
2031	3.3483	14.2870	23.5457	0.0733	7.9208	0.4897	8.3586	4.2984	0.4896	4.7361	0.0000	7,562.8475	7,562.8475	0.3066	0.0000	7,570.5117
2032	4.5191	12.3449	21.2445	0.0559	1.6510	0.1790	1.8300	0.4481	0.1783	0.6264	0.0000	5,466.8435	5,466.8435	0.2105	0.0000	5,472.1054
2033	4.4967	12.3119	21.1147	0.0557	1.6510	0.1785	1.8295	0.4481	0.1778	0.6259	0.0000	5,446.4935	5,446.4935	0.2088	0.0000	5,451.7124
2034	4.4777	12.2832	20.9874	0.0555	1.6511	0.1780	1.8291	0.4481	0.1774	0.6255	0.0000	5,428.8126	5,428.8126	0.2072	0.0000	5,433.9918
2035	4.3569	11.3896	20.8399	0.0554	1.6511	0.1989	1.7605	0.4481	0.1988	0.5570	0.0000	5,413.7916	5,413.7916	0.1965	0.0000	5,418.7048
Maximum	**4.5191**	**14.2870**	**23.5457**	**0.0733**	**7.9208**	**0.4897**	**8.3586**	**4.2984**	**0.4896**	**4.7361**	**0.0000**	**7,562.8475**	**7,562.8475**	**0.3066**	**0.0000**	**7,570.5117**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**42.87**	**0.00**	**41.12**	**48.87**	**0.00**	**44.81**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2031	3/25/2031	5	60	
2	Site Preparation	Site Preparation	3/26/2031	5/20/2031	5	40	
3	Grading	Grading	5/21/2031	8/12/2031	5	60	
4	Building Construction	Building Construction	8/13/2031	1/23/2035	5	900	
5	Architectural Coating	Architectural Coating	8/13/2032	12/27/2035	5	880	
6	Paving	Paving	1/24/2035	4/14/2035	5	58	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 150

Acres of Paving: 1.52

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 375,000; Non-Residential Outdoor: 125,000; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	2	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	22.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	108.00	52.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	2.00	605.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	2.00	113.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.1823	0.0000	2.1823	0.3304	0.0000	0.3304			0.0000			0.0000
Off-Road	2.0746	9.7770	18.9168	0.0462		0.3511	0.3511		0.3511	0.3511		4,378.5819	4,378.5819	0.1847		4,383.2000

Total	**2.0746**	**9.7770**	**18.9168**	**0.0462**	**2.1823**	**0.3511**	**2.5334**	**0.3304**	**0.3511**	**0.6815**		**4,378.5819**	**4,378.5819**	**0.1847**		**4,383.2000**

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	0.0518	1.5138	0.6205	7.0100e-003	0.1764	2.6800e-003	0.1791	0.0484	2.5600e-003	0.0509		767.6221	767.6221	0.0529		768.9453
Vendor	3.8300e-003	0.1315	0.0413	4.6000e-004	0.0128	1.4000e-004	0.0130	3.6900e-003	1.4000e-004	3.8300e-003		49.7378	49.7378	2.6300e-003		49.8034
Worker	0.0406	0.0200	0.2735	1.1800e-003	0.1677	8.5000e-004	0.1685	0.0445	7.8000e-004	0.0452		117.4703	117.4703	1.9100e-003		117.5181
Total	**0.0962**	**1.6653**	**0.9353**	**8.6500e-003**	**0.3569**	**3.6700e-003**	**0.3605**	**0.0965**	**3.4800e-003**	**0.1000**		**934.8302**	**934.8302**	**0.0575**		**936.2668**

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					0.9330	0.0000	0.9330	0.1413	0.0000	0.1413			0.0000			0.0000
Off-Road	2.0746	9.7770	18.9168	0.0462		0.3511	0.3511		0.3511	0.3511	0.0000	4,378.5819	4,378.5819	0.1847		4,383.2000
Total	**2.0746**	**9.7770**	**18.9168**	**0.0462**	**0.9330**	**0.3511**	**1.2840**	**0.1413**	**0.3511**	**0.4923**	**0.0000**	**4,378.5819**	**4,378.5819**	**0.1847**		**4,383.2000**

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	0.0518	1.5138	0.6205	7.0100e-003	0.1644	2.6800e-003	0.1671	0.0454	2.5600e-003	0.0480		767.6221	767.6221	0.0529		768.9453
Vendor	3.8300e-003	0.1315	0.0413	4.6000e-004	0.0120	1.4000e-004	0.0121	3.4900e-003	1.4000e-004	3.6200e-003		49.7378	49.7378	2.6300e-003		49.8034
Worker	0.0406	0.0200	0.2735	1.1800e-003	0.1546	8.5000e-004	0.1554	0.0413	7.8000e-004	0.0420		117.4703	117.4703	1.9100e-003		117.5181
Total	**0.0962**	**1.6653**	**0.9353**	**8.6500e-003**	**0.3309**	**3.6700e-003**	**0.3346**	**0.0902**	**3.4800e-003**	**0.0936**		**934.8302**	**934.8302**	**0.0575**		**936.2668**

3.3 Site Preparation - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.4399	13.6680	16.2918	0.0466		0.4367	0.4367		0.4367	0.4367		4,409.7537	4,409.7537	0.2176		4,415.1936
Total	**2.4399**	**13.6680**	**16.2918**	**0.0466**	**18.0663**	**0.4367**	**18.5029**	**9.9307**	**0.4367**	**10.3673**		**4,409.7537**	**4,409.7537**	**0.2176**		**4,415.1936**

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	3.8300e-003	0.1315	0.0413	4.6000e-004	0.0128	1.4000e-004	0.0130	3.6900e-003	1.4000e-004	3.8300e-003		49.7378	49.7378	2.6300e-003		49.8034
Worker	0.0487	0.0240	0.3282	1.4100e-003	0.2012	1.0200e-003	0.2022	0.0534	9.4000e-004	0.0543		140.9644	140.9644	2.2900e-003		141.0217
Total	**0.0525**	**0.1555**	**0.3695**	**1.8700e-003**	**0.2140**	**1.1600e-003**	**0.2152**	**0.0571**	**1.0800e-003**	**0.0581**		**190.7022**	**190.7022**	**4.9200e-003**		**190.8251**

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					7.7233	0.0000	7.7233	4.2454	0.0000	4.2454			0.0000			0.0000
Off-Road	2.4399	13.6680	16.2918	0.0466		0.4367	0.4367		0.4367	0.4367	0.0000	4,409.7537	4,409.7537	0.2176		4,415.1936
Total	**2.4399**	**13.6680**	**16.2918**	**0.0466**	**7.7233**	**0.4367**	**8.1600**	**4.2454**	**0.4367**	**4.6820**	**0.0000**	**4,409.7537**	**4,409.7537**	**0.2176**		**4,415.1936**

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	3.8300e-003	0.1315	0.0413	4.6000e-004	0.0120	1.4000e-004	0.0121	3.4900e-003	1.4000e-004	3.6200e-003		49.7378	49.7378	2.6300e-003		49.8034
Worker	0.0487	0.0240	0.3282	1.4100e-003	0.1855	1.0200e-003	0.1865	0.0495	9.4000e-004	0.0504		140.9644	140.9644	2.2900e-003		141.0217
Total	**0.0525**	**0.1555**	**0.3695**	**1.8700e-003**	**0.1975**	**1.1600e-003**	**0.1986**	**0.0530**	**1.0800e-003**	**0.0541**		**190.7022**	**190.7022**	**4.9200e-003**		**190.8251**

3.4 Grading - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6751	0.0000	8.6751	3.5968	0.0000	3.5968			0.0000			0.0000
Off-Road	3.2807	13.8462	23.0239	0.0699		0.4879	0.4879		0.4879	0.4879		7,213.1086	7,213.1086	0.2915		7,220.3963
Total	**3.2807**	**13.8462**	**23.0239**	**0.0699**	**8.6751**	**0.4879**	**9.1630**	**3.5968**	**0.4879**	**4.0847**		**7,213.1086**	**7,213.1086**	**0.2915**		**7,220.3963**

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	9.6700e-003	0.2827	0.1159	1.3100e-003	0.0330	5.0000e-004	0.0335	9.0300e-003	4.8000e-004	9.5100e-003		143.3740	143.3740	9.8900e-003		143.6212
Vendor	3.8300e-003	0.1315	0.0413	4.6000e-004	0.0128	1.4000e-004	0.0130	3.6900e-003	1.4000e-004	3.8300e-003		49.7378	49.7378	2.6300e-003		49.8034
Worker	0.0541	0.0267	0.3647	1.5700e-003	0.2236	1.1300e-003	0.2247	0.0593	1.0400e-003	0.0603		156.6271	156.6271	2.5500e-003		156.6908
Total	**0.0676**	**0.4409**	**0.5218**	**3.3400e-003**	**0.2693**	**1.7700e-003**	**0.2711**	**0.0720**	**1.6600e-003**	**0.0737**		**349.7389**	**349.7389**	**0.0151**		**350.1154**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.7086	0.0000	3.7086	1.5376	0.0000	1.5376			0.0000			0.0000
Off-Road	3.2807	13.8462	23.0239	0.0699		0.4879	0.4879		0.4879	0.4879	0.0000	7,213.1086	7,213.1086	0.2915		7,220.3963
Total	**3.2807**	**13.8462**	**23.0239**	**0.0699**	**3.7086**	**0.4879**	**4.1965**	**1.5376**	**0.4879**	**2.0255**	**0.0000**	**7,213.1086**	**7,213.1086**	**0.2915**		**7,220.3963**

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	9.6700e-003	0.2827	0.1159	1.3100e-003	0.0307	5.0000e-004	0.0312	8.4800e-003	4.8000e-004	8.9600e-003		143.3740	143.3740	9.8900e-003		143.6212
Vendor	3.8300e-003	0.1315	0.0413	4.6000e-004	0.0120	1.4000e-004	0.0121	3.4900e-003	1.4000e-004	3.6200e-003		49.7378	49.7378	2.6300e-003		49.8034
Worker	0.0541	0.0267	0.3647	1.5700e-003	0.2061	1.1300e-003	0.2072	0.0550	1.0400e-003	0.0560		156.6271	156.6271	2.5500e-003		156.6908
Total	**0.0676**	**0.4409**	**0.5218**	**3.3400e-003**	**0.2488**	**1.7700e-003**	**0.2505**	**0.0670**	**1.6600e-003**	**0.0686**		**349.7389**	**349.7389**	**0.0151**		**350.1154**

3.5 Building Construction - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**		**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

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	0.0995	3.4187	1.0729	0.0120	0.3330	3.7600e-003	0.3367	0.0959	3.6000e-003	0.0995		1,293.1817	1,293.1817	0.0683		1,294.8890
Worker	0.2923	0.1440	1.9692	8.4700e-003	1.2072	6.1000e-003	1.2133	0.3202	5.6100e-003	0.3258		845.7863	845.7863	0.0138		846.1303
Total	**0.3918**	**3.5627**	**3.0420**	**0.0205**	**1.5402**	**9.8600e-003**	**1.5500**	**0.4160**	**9.2100e-003**	**0.4252**		**2,138.9680**	**2,138.9680**	**0.0821**		**2,141.0193**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

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	0.0995	3.4187	1.0729	0.0120	0.3116	3.7600e-003	0.3154	0.0906	3.6000e-003	0.0942		1,293.1817	1,293.1817	0.0683		1,294.8890

Worker	0.2923	0.1440	1.9692	8.4700e-003	1.1127	6.1000e-003	1.1188	0.2970	5.6100e-003	0.3026		845.7863	845.7863	0.0138		846.1303
Total	**0.3918**	**3.5627**	**3.0420**	**0.0205**	**1.4244**	**9.8600e-003**	**1.4342**	**0.3876**	**9.2100e-003**	**0.3968**		**2,138.9680**	**2,138.9680**	**0.0821**		**2,141.0193**

3.5 Building Construction - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**		**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

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	0.0986	3.3960	1.0679	0.0120	0.3330	3.7000e-003	0.3367	0.0959	3.5400e-003	0.0994		1,290.5713	1,290.5713	0.0677		1,292.2643
Worker	0.2709	0.1312	1.8459	8.3000e-003	1.2072	5.6900e-003	1.2129	0.3202	5.2400e-003	0.3254		828.5074	828.5074	0.0126		828.8214

Total	**0.3696**	**3.5273**	**2.9138**	**0.0203**	**1.5402**	**9.3900e-003**	**1.5496**	**0.4160**	**8.7800e-003**	**0.4248**		**2,119.0786**	**2,119.0786**	**0.0803**		**2,121.0857**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

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	0.0986	3.3960	1.0679	0.0120	0.3116	3.7000e-003	0.3153	0.0906	3.5400e-003	0.0942		1,290.5713	1,290.5713	0.0677		1,292.2643
Worker	0.2709	0.1312	1.8459	8.3000e-003	1.1127	5.6900e-003	1.1184	0.2970	5.2400e-003	0.3022		828.5074	828.5074	0.0126		828.8214
Total	**0.3696**	**3.5273**	**2.9138**	**0.0203**	**1.4244**	**9.3900e-003**	**1.4338**	**0.3876**	**8.7800e-003**	**0.3964**		**2,119.0786**	**2,119.0786**	**0.0803**		**2,121.0857**

3.5 Building Construction - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**		**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

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	0.0980	3.3760	1.0644	0.0120	0.3330	3.6500e-003	0.3366	0.0959	3.4900e-003	0.0994		1,288.4717	1,288.4717	0.0672		1,290.1525
Worker	0.2528	0.1204	1.7409	8.1500e-003	1.2072	5.3200e-003	1.2125	0.3202	4.8900e-003	0.3251		813.3455	813.3455	0.0115		813.6340
Total	**0.3508**	**3.4964**	**2.8053**	**0.0201**	**1.5402**	**8.9700e-003**	**1.5492**	**0.4160**	**8.3800e-003**	**0.4244**		**2,101.8172**	**2,101.8172**	**0.0788**		**2,103.7865**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

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	0.0980	3.3760	1.0644	0.0120	0.3116	3.6500e-003	0.3153	0.0906	3.4900e-003	0.0941		1,288.4717	1,288.4717	0.0672		1,290.1525
Worker	0.2528	0.1204	1.7409	8.1500e-003	1.1127	5.3200e-003	1.1181	0.2970	4.8900e-003	0.3019		813.3455	813.3455	0.0115		813.6340
Total	**0.3508**	**3.4964**	**2.8053**	**0.0201**	**1.4244**	**8.9700e-003**	**1.4333**	**0.3876**	**8.3800e-003**	**0.3960**		**2,101.8172**	**2,101.8172**	**0.0788**		**2,103.7865**

3.5 Building Construction - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**		**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

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	0.0974	3.3582	1.0606	0.0120	0.3330	3.6000e-003	0.3366	0.0959	3.4400e-003	0.0993		1,286.8734	1,286.8734	0.0668		1,288.5440
Worker	0.2375	0.1114	1.6384	8.0100e-003	1.2072	4.9700e-003	1.2122	0.3202	4.5700e-003	0.3247		799.9846	799.9846	0.0106		800.2485
Total	**0.3350**	**3.4696**	**2.6990**	**0.0200**	**1.5402**	**8.5700e-003**	**1.5487**	**0.4160**	**8.0100e-003**	**0.4240**		**2,086.8580**	**2,086.8580**	**0.0774**		**2,088.7925**

Mitigated Construction On-Site

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

Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

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	0.0974	3.3582	1.0606	0.0120	0.3117	3.6000e-003	0.3153	0.0906	3.4400e-003	0.0941		1,286.8734	1,286.8734	0.0668		1,288.5440
Worker	0.2375	0.1114	1.6384	8.0100e-003	1.1127	4.9700e-003	1.1177	0.2970	4.5700e-003	0.3015		799.9846	799.9846	0.0106		800.2485
Total	**0.3350**	**3.4696**	**2.6990**	**0.0200**	**1.4244**	**8.5700e-003**	**1.4330**	**0.3876**	**8.0100e-003**	**0.3956**		**2,086.8580**	**2,086.8580**	**0.0774**		**2,088.7925**

3.5 Building Construction - 2035

Unmitigated Construction On-Site

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

Off-Road	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904		2,897.5468	2,897.5468	0.1079		2,900.2448
Total	**1.2168**	**7.1613**	**16.1178**	**0.0310**		**0.0904**	**0.0904**		**0.0904**	**0.0904**		**2,897.5468**	**2,897.5468**	**0.1079**		**2,900.2448**

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	0.0969	3.3443	1.0568	0.0120	0.3330	3.5600e-003	0.3366	0.0959	3.4100e-003	0.0993		1,285.6707	1,285.6707	0.0665		1,287.3323
Worker	0.2249	0.1048	1.5544	7.8900e-003	1.2072	4.6500e-003	1.2118	0.3202	4.2800e-003	0.3244		788.5048	788.5048	9.7500e-003		788.7486
Total	**0.3219**	**3.4492**	**2.6112**	**0.0198**	**1.5402**	**8.2100e-003**	**1.5484**	**0.4160**	**7.6900e-003**	**0.4237**		**2,074.1754**	**2,074.1754**	**0.0762**		**2,076.0809**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904	0.0000	2,897.5468	2,897.5468	0.1079		2,900.2448

Total	**1.2168**	**7.1613**	**16.1178**	**0.0310**		**0.0904**	**0.0904**		**0.0904**	**0.0904**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1079**		**2,900.2448**

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	0.0969	3.3443	1.0568	0.0120	0.3117	3.5600e-003	0.3152	0.0906	3.4100e-003	0.0941		1,285.6707	1,285.6707	0.0665		1,287.3323
Worker	0.2249	0.1048	1.5544	7.8900e-003	1.1127	4.6500e-003	1.1174	0.2970	4.2800e-003	0.3012		788.5048	788.5048	9.7500e-003		788.7486
Total	**0.3219**	**3.4492**	**2.6112**	**0.0198**	**1.4244**	**8.2100e-003**	**1.4326**	**0.3876**	**7.6900e-003**	**0.3953**		**2,074.1754**	**2,074.1754**	**0.0762**		**2,076.0809**

3.6 Architectural Coating - 2032

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	2.6545					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328

Total	**2.7852**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**281.4481**	**281.4481**	**0.0114**		**281.7328**

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	0.0000	0.0000	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	0.0552	0.0267	0.3760	1.6900e-003	0.2459	1.1600e-003	0.2471	0.0652	1.0700e-003	0.0663		168.7700	168.7700	2.5600e-003		168.8340
Total	**0.0552**	**0.0267**	**0.3760**	**1.6900e-003**	**0.2459**	**1.1600e-003**	**0.2471**	**0.0652**	**1.0700e-003**	**0.0663**		**168.7700**	**168.7700**	**2.5600e-003**		**168.8340**

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	2.6545					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
Total	**2.7852**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**	**0.0000**	**281.4481**	**281.4481**	**0.0114**		**281.7328**

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	0.0000	0.0000	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	0.0552	0.0267	0.3760	1.6900e-003	0.2267	1.1600e-003	0.2278	0.0605	1.0700e-003	0.0616		168.7700	168.7700	2.5600e-003		168.8340
Total	**0.0552**	**0.0267**	**0.3760**	**1.6900e-003**	**0.2267**	**1.1600e-003**	**0.2278**	**0.0605**	**1.0700e-003**	**0.0616**		**168.7700**	**168.7700**	**2.5600e-003**		**168.8340**

3.6 Architectural Coating - 2033

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	2.6545					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	**2.7852**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**281.4481**	**281.4481**	**0.0114**		**281.7328**

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	0.0000	0.0000	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	0.0515	0.0245	0.3546	1.6600e-003	0.2459	1.0800e-003	0.2470	0.0652	1.0000e-003	0.0662		165.6815	165.6815	2.3500e-003		165.7403
Total	**0.0515**	**0.0245**	**0.3546**	**1.6600e-003**	**0.2459**	**1.0800e-003**	**0.2470**	**0.0652**	**1.0000e-003**	**0.0662**		**165.6815**	**165.6815**	**2.3500e-003**		**165.7403**

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	2.6545					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
Total	**2.7852**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**	**0.0000**	**281.4481**	**281.4481**	**0.0114**		**281.7328**

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	0.0000	0.0000	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	0.0515	0.0245	0.3546	1.6600e-003	0.2267	1.0800e-003	0.2278	0.0605	1.0000e-003	0.0615		165.6815	165.6815	2.3500e-003		165.7403
Total	**0.0515**	**0.0245**	**0.3546**	**1.6600e-003**	**0.2267**	**1.0800e-003**	**0.2278**	**0.0605**	**1.0000e-003**	**0.0615**		**165.6815**	**165.6815**	**2.3500e-003**		**165.7403**

3.6 Architectural Coating - 2034

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	2.6545					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	**2.7852**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**281.4481**	**281.4481**	**0.0114**		**281.7328**

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	0.0000	0.0000	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	0.0484	0.0227	0.3338	1.6300e-003	0.2459	1.0100e-003	0.2469	0.0652	9.3000e-004	0.0662		162.9598	162.9598	2.1500e-003		163.0136
Total	**0.0484**	**0.0227**	**0.3338**	**1.6300e-003**	**0.2459**	**1.0100e-003**	**0.2469**	**0.0652**	**9.3000e-004**	**0.0662**		**162.9598**	**162.9598**	**2.1500e-003**		**163.0136**

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	2.6545					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
Total	**2.7852**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**	**0.0000**	**281.4481**	**281.4481**	**0.0114**		**281.7328**

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	0.0000	0.0000	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	0.0484	0.0227	0.3338	1.6300e-003	0.2267	1.0100e-003	0.2277	0.0605	9.3000e-004	0.0614		162.9598	162.9598	2.1500e-003		163.0136
Total	**0.0484**	**0.0227**	**0.3338**	**1.6300e-003**	**0.2267**	**1.0100e-003**	**0.2277**	**0.0605**	**9.3000e-004**	**0.0614**		**162.9598**	**162.9598**	**2.1500e-003**		**163.0136**

3.6 Architectural Coating - 2035

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	2.6545					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1179	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003		281.4481	281.4481	0.0104		281.7081
Total	**2.7724**	**0.7577**	**1.7943**	**2.9700e-003**		**9.9000e-003**	**9.9000e-003**		**9.9000e-003**	**9.9000e-003**		**281.4481**	**281.4481**	**0.0104**		**281.7081**

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	0.0000	0.0000	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	0.0458	0.0214	0.3166	1.6100e-003	0.2459	9.5000e-004	0.2469	0.0652	8.7000e-004	0.0661		160.6213	160.6213	1.9900e-003		160.6710
Total	**0.0458**	**0.0214**	**0.3166**	**1.6100e-003**	**0.2459**	**9.5000e-004**	**0.2469**	**0.0652**	**8.7000e-004**	**0.0661**		**160.6213**	**160.6213**	**1.9900e-003**		**160.6710**

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	2.6545					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1179	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003	0.0000	281.4481	281.4481	0.0104		281.7081
Total	**2.7724**	**0.7577**	**1.7943**	**2.9700e-003**		**9.9000e-003**	**9.9000e-003**		**9.9000e-003**	**9.9000e-003**	**0.0000**	**281.4481**	**281.4481**	**0.0104**		**281.7081**

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	0.0000	0.0000	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	0.0458	0.0214	0.3166	1.6100e-003	0.2267	9.5000e-004	0.2276	0.0605	8.7000e-004	0.0614		160.6213	160.6213	1.9900e-003		160.6710
Total	**0.0458**	**0.0214**	**0.3166**	**1.6100e-003**	**0.2267**	**9.5000e-004**	**0.2276**	**0.0605**	**8.7000e-004**	**0.0614**		**160.6213**	**160.6213**	**1.9900e-003**		**160.6710**

3.7 Paving - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1405	4.8761	15.8203	0.0281		0.1874	0.1874		0.1874	0.1874		2,656.5168	2,656.5168	0.1022		2,659.0727
Paving	0.0687					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2092**	**4.8761**	**15.8203**	**0.0281**		**0.1874**	**0.1874**		**0.1874**	**0.1874**		**2,656.5168**	**2,656.5168**	**0.1022**		**2,659.0727**

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	0.0000	0.0000	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	0.0312	0.0146	0.2159	1.1000e-003	0.1677	6.5000e-004	0.1683	0.0445	5.9000e-004	0.0451		109.5146	109.5146	1.3500e-003		109.5484

Total	**0.0312**	**0.0146**	**0.2159**	**1.1000e-003**	**0.1677**	**6.5000e-004**	**0.1683**	**0.0445**	**5.9000e-004**	**0.0451**		**109.5146**	**109.5146**	**1.3500e-003**		**109.5484**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1405	4.8761	15.8203	0.0281		0.1874	0.1874		0.1874	0.1874	0.0000	2,656.5168	2,656.5168	0.1022		2,659.0726
Paving	0.0687					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2092**	**4.8761**	**15.8203**	**0.0281**		**0.1874**	**0.1874**		**0.1874**	**0.1874**	**0.0000**	**2,656.5168**	**2,656.5168**	**0.1022**		**2,659.0726**

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	0.0000	0.0000	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	0.0312	0.0146	0.2159	1.1000e-003	0.1546	6.5000e-004	0.1552	0.0413	5.9000e-004	0.0418		109.5146	109.5146	1.3500e-003		109.5484
Total	**0.0312**	**0.0146**	**0.2159**	**1.1000e-003**	**0.1546**	**6.5000e-004**	**0.1552**	**0.0413**	**5.9000e-004**	**0.0418**		**109.5146**	**109.5146**	**1.3500e-003**		**109.5484**

Phase 4 Construction

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Medical Office Building	120.00	1000sqft	7.68	120,000.00	0
Research & Development	130.00	1000sqft	7.68	130,000.00	0
Parking Lot	1.52	Acre	1.52	66,300.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2033
Utility Company					
CO2 Intensity (lb/MWhr)	0	**CH4 Intensity (lb/MWhr)**	0	**N2O Intensity (lb/MWhr)**	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on information provided by the applicant.

Construction Phase - Based on information provided by the applicant.

Grading -

Demolition -

Trips and VMT - Assumes one truck and two trips per day per truck.

Construction Off-road Equipment Mitigation - Per SCAQMD Rules 403 and 1186.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstructionPhase	NumDays	20.00	880.00
tblConstructionPhase	NumDays	300.00	900.00
tblConstructionPhase	NumDays	20.00	60.00
tblConstructionPhase	NumDays	30.00	60.00
tblConstructionPhase	NumDays	20.00	58.00
tblConstructionPhase	NumDays	10.00	40.00
tblConstructionPhase	PhaseEndDate	12/31/2030	12/27/2035
tblConstructionPhase	PhaseEndDate	12/31/2030	1/23/2035
tblConstructionPhase	PhaseEndDate	12/31/2030	3/25/2031
tblConstructionPhase	PhaseEndDate	12/31/2030	8/12/2031
tblConstructionPhase	PhaseEndDate	12/31/2030	4/14/2035
tblConstructionPhase	PhaseEndDate	12/31/2030	5/20/2031
tblConstructionPhase	PhaseStartDate	1/1/2031	8/13/2032
tblConstructionPhase	PhaseStartDate	1/1/2031	8/13/2031
tblConstructionPhase	PhaseStartDate	1/1/2031	5/21/2031
tblConstructionPhase	PhaseStartDate	1/1/2031	1/24/2035
tblConstructionPhase	PhaseStartDate	1/1/2031	3/26/2031
tblGrading	MaterialExported	0.00	907.00
tblLandUse	BuildingSpaceSquareFeet	66,298.32	66,300.00
tblLandUse	LandUseSquareFeet	66,298.32	66,300.00
tblLandUse	LotAcreage	2.75	7.68
tblLandUse	LotAcreage	2.98	7.68

tblProjectCharacteristics	OperationalYear	2018	2033
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2031	0.2991	1.6329	2.6058	7.4300e-003	0.7860	0.0421	0.8281	0.3432	0.0420	0.3852	0.0000	666.6850	666.6850	0.0280	0.0000	667.3840
2032	0.3587	1.5532	2.6105	6.9900e-003	0.2101	0.0217	0.2318	0.0568	0.0216	0.0784	0.0000	620.9873	620.9873	0.0238	0.0000	621.5826
2033	0.5798	1.6075	2.7479	7.2900e-003	0.2278	0.0232	0.2510	0.0615	0.0231	0.0846	0.0000	646.6460	646.6460	0.0244	0.0000	647.2571
2034	0.5775	1.6037	2.7309	7.2600e-003	0.2278	0.0231	0.2509	0.0615	0.0231	0.0845	0.0000	644.5342	644.5342	0.0243	0.0000	645.1406
2035	0.4130	0.3335	0.8992	1.8800e-003	0.0488	7.7000e-003	0.0565	0.0130	7.6800e-003	0.0207	0.0000	163.6650	163.6650	5.5900e-003	0.0000	163.8049
Maximum	**0.5798**	**1.6329**	**2.7479**	**7.4300e-003**	**0.7860**	**0.0421**	**0.8281**	**0.3432**	**0.0420**	**0.3852**	**0.0000**	**666.6850**	**666.6850**	**0.0280**	**0.0000**	**667.3840**

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					
2031	0.2991	1.6329	2.6058	7.4300e-003	0.3853	0.0421	0.4273	0.1602	0.0420	0.2022	0.0000	666.6844	666.6844	0.0280	0.0000	667.3834
2032	0.3587	1.5532	2.6105	6.9900e-003	0.1944	0.0217	0.2161	0.0529	0.0216	0.0746	0.0000	620.9869	620.9869	0.0238	0.0000	621.5822
2033	0.5798	1.6075	2.7479	7.2900e-003	0.2106	0.0232	0.2338	0.0573	0.0231	0.0804	0.0000	646.6455	646.6455	0.0244	0.0000	647.2566
2034	0.5775	1.6037	2.7309	7.2600e-003	0.2106	0.0231	0.2338	0.0573	0.0231	0.0803	0.0000	644.5337	644.5337	0.0243	0.0000	645.1401
2035	0.4130	0.3335	0.8992	1.8800e-003	0.0451	7.7000e-003	0.0528	0.0121	7.6800e-003	0.0198	0.0000	163.6649	163.6649	5.5900e-003	0.0000	163.8047
Maximum	**0.5798**	**1.6329**	**2.7479**	**7.4300e-003**	**0.3853**	**0.0421**	**0.4273**	**0.1602**	**0.0420**	**0.2022**	**0.0000**	**666.6844**	**666.6844**	**0.0280**	**0.0000**	**667.3834**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**30.30**	**0.00**	**28.09**	**36.60**	**0.00**	**30.02**	**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	1-1-2031	3-31-2031	0.4434	0.4434
2	4-1-2031	6-30-2031	0.5493	0.5493
3	7-1-2031	9-30-2031	0.5009	0.5009
4	10-1-2031	12-31-2031	0.4337	0.4337
5	1-1-2032	3-31-2032	0.4271	0.4271
6	4-1-2032	6-30-2032	0.4259	0.4259
7	7-1-2032	9-30-2032	0.4956	0.4956
8	10-1-2032	12-31-2032	0.5541	0.5541

9	**1-1-2033**	**3-31-2033**	0.5403	0.5403
10	**4-1-2033**	**6-30-2033**	0.5449	0.5449
11	**7-1-2033**	**9-30-2033**	0.5509	0.5509
12	**10-1-2033**	**12-31-2033**	0.5523	0.5523
13	**1-1-2034**	**3-31-2034**	0.5387	0.5387
14	**4-1-2034**	**6-30-2034**	0.5435	0.5435
15	**7-1-2034**	**9-30-2034**	0.5495	0.5495
16	**10-1-2034**	**12-31-2034**	0.5507	0.5507
17	**1-1-2035**	**3-31-2035**	0.3621	0.3621
18	**4-1-2035**	**6-30-2035**	0.1473	0.1473
19	**7-1-2035**	**9-30-2035**	0.1179	0.1179
		Highest	0.5541	0.5541

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2031	3/25/2031	5	60	
2	Site Preparation	Site Preparation	3/26/2031	5/20/2031	5	40	
3	Grading	Grading	5/21/2031	8/12/2031	5	60	
4	Building Construction	Building Construction	8/13/2031	1/23/2035	5	900	
5	Architectural Coating	Architectural Coating	8/13/2032	12/27/2035	5	880	
6	Paving	Paving	1/24/2035	4/14/2035	5	58	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 150

Acres of Paving: 1.52

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 375,000; Non-Residential Outdoor: 125,000; Striped Parking

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	2	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	22.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	108.00	52.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	2.00	605.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	2.00	113.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 2031

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					0.0655	0.0000	0.0655	9.9100e-003	0.0000	9.9100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0622	0.2933	0.5675	1.3900e-003		0.0105	0.0105		0.0105	0.0105	0.0000	119.1655	119.1655	5.0300e-003	0.0000	119.2912
Total	**0.0622**	**0.2933**	**0.5675**	**1.3900e-003**	**0.0655**	**0.0105**	**0.0760**	**9.9100e-003**	**0.0105**	**0.0204**	**0.0000**	**119.1655**	**119.1655**	**5.0300e-003**	**0.0000**	**119.2912**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.5300e-003	0.0462	0.0183	2.1000e-004	5.2000e-003	8.0000e-005	5.2800e-003	1.4300e-003	8.0000e-005	1.5000e-003	0.0000	21.0981	21.0981	1.4200e-003	0.0000	21.1337
Vendor	1.1000e-004	4.0000e-003	1.1900e-003	1.0000e-005	3.8000e-004	0.0000	3.8000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	1.3748	1.3748	7.0000e-005	0.0000	1.3766
Worker	1.0800e-003	6.2000e-004	8.4500e-003	4.0000e-005	4.9300e-003	3.0000e-005	4.9600e-003	1.3100e-003	2.0000e-005	1.3300e-003	0.0000	3.2504	3.2504	5.0000e-005	0.0000	3.2518
Total	**2.7200e-003**	**0.0508**	**0.0279**	**2.6000e-004**	**0.0105**	**1.1000e-004**	**0.0106**	**2.8500e-003**	**1.0000e-004**	**2.9400e-003**	**0.0000**	**25.7234**	**25.7234**	**1.5400e-003**	**0.0000**	**25.7620**

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					0.0280	0.0000	0.0280	4.2400e-003	0.0000	4.2400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0622	0.2933	0.5675	1.3900e-003		0.0105	0.0105		0.0105	0.0105	0.0000	119.1653	119.1653	5.0300e-003	0.0000	119.2910
Total	**0.0622**	**0.2933**	**0.5675**	**1.3900e-003**	**0.0280**	**0.0105**	**0.0385**	**4.2400e-003**	**0.0105**	**0.0148**	**0.0000**	**119.1653**	**119.1653**	**5.0300e-003**	**0.0000**	**119.2910**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.5300e-003	0.0462	0.0183	2.1000e-004	4.8500e-003	8.0000e-005	4.9300e-003	1.3400e-003	8.0000e-005	1.4200e-003	0.0000	21.0981	21.0981	1.4200e-003	0.0000	21.1337
Vendor	1.1000e-004	4.0000e-003	1.1900e-003	1.0000e-005	3.5000e-004	0.0000	3.6000e-004	1.0000e-004	0.0000	1.1000e-004	0.0000	1.3748	1.3748	7.0000e-005	0.0000	1.3766
Worker	1.0800e-003	6.2000e-004	8.4500e-003	4.0000e-005	4.5500e-003	3.0000e-005	4.5700e-003	1.2200e-003	2.0000e-005	1.2400e-003	0.0000	3.2504	3.2504	5.0000e-005	0.0000	3.2518
Total	**2.7200e-003**	**0.0508**	**0.0279**	**2.6000e-004**	**9.7500e-003**	**1.1000e-004**	**9.8600e-003**	**2.6600e-003**	**1.0000e-004**	**2.7700e-003**	**0.0000**	**25.7234**	**25.7234**	**1.5400e-003**	**0.0000**	**25.7620**

3.3 Site Preparation - 2031

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					0.3613	0.0000	0.3613	0.1986	0.0000	0.1986	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0488	0.2734	0.3258	9.3000e-004		8.7300e-003	8.7300e-003		8.7300e-003	8.7300e-003	0.0000	80.0092	80.0092	3.9500e-003	0.0000	80.1079
Total	**0.0488**	**0.2734**	**0.3258**	**9.3000e-004**	**0.3613**	**8.7300e-003**	**0.3701**	**0.1986**	**8.7300e-003**	**0.2073**	**0.0000**	**80.0092**	**80.0092**	**3.9500e-003**	**0.0000**	**80.1079**

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	7.0000e-005	2.6700e-003	7.9000e-004	1.0000e-005	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	8.0000e-005	0.0000	0.9166	0.9166	5.0000e-005	0.0000	0.9177
Worker	8.7000e-004	4.9000e-004	6.7600e-003	3.0000e-005	3.9400e-003	2.0000e-005	3.9700e-003	1.0500e-003	2.0000e-005	1.0700e-003	0.0000	2.6004	2.6004	4.0000e-005	0.0000	2.6014
Total	**9.4000e-004**	**3.1600e-003**	**7.5500e-003**	**4.0000e-005**	**4.1900e-003**	**2.0000e-005**	**4.2200e-003**	**1.1200e-003**	**2.0000e-005**	**1.1500e-003**	**0.0000**	**3.5169**	**3.5169**	**9.0000e-005**	**0.0000**	**3.5191**

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					0.1545	0.0000	0.1545	0.0849	0.0000	0.0849	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0488	0.2734	0.3258	9.3000e-004		8.7300e-003	8.7300e-003		8.7300e-003	8.7300e-003	0.0000	80.0091	80.0091	3.9500e-003	0.0000	80.1078
Total	**0.0488**	**0.2734**	**0.3258**	**9.3000e-004**	**0.1545**	**8.7300e-003**	**0.1632**	**0.0849**	**8.7300e-003**	**0.0936**	**0.0000**	**80.0091**	**80.0091**	**3.9500e-003**	**0.0000**	**80.1078**

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	7.0000e-005	2.6700e-003	7.9000e-004	1.0000e-005	2.4000e-004	0.0000	2.4000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.9166	0.9166	5.0000e-005	0.0000	0.9177
Worker	8.7000e-004	4.9000e-004	6.7600e-003	3.0000e-005	3.6400e-003	2.0000e-005	3.6600e-003	9.7000e-004	2.0000e-005	9.9000e-004	0.0000	2.6004	2.6004	4.0000e-005	0.0000	2.6014
Total	**9.4000e-004**	**3.1600e-003**	**7.5500e-003**	**4.0000e-005**	**3.8800e-003**	**2.0000e-005**	**3.9000e-003**	**1.0400e-003**	**2.0000e-005**	**1.0600e-003**	**0.0000**	**3.5169**	**3.5169**	**9.0000e-005**	**0.0000**	**3.5191**

3.4 Grading - 2031

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					0.2603	0.0000	0.2603	0.1079	0.0000	0.1079	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0984	0.4154	0.6907	2.1000e-003		0.0146	0.0146		0.0146	0.0146	0.0000	196.3087	196.3087	7.9300e-003	0.0000	196.5070
Total	**0.0984**	**0.4154**	**0.6907**	**2.1000e-003**	**0.2603**	**0.0146**	**0.2749**	**0.1079**	**0.0146**	**0.1225**	**0.0000**	**196.3087**	**196.3087**	**7.9300e-003**	**0.0000**	**196.5070**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.9000e-004	8.6300e-003	3.4100e-003	4.0000e-005	9.7000e-004	1.0000e-005	9.9000e-004	2.7000e-004	1.0000e-005	2.8000e-004	0.0000	3.9406	3.9406	2.7000e-004	0.0000	3.9473
Vendor	1.1000e-004	4.0000e-003	1.1900e-003	1.0000e-005	3.8000e-004	0.0000	3.8000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	1.3748	1.3748	7.0000e-005	0.0000	1.3766
Worker	1.4400e-003	8.2000e-004	0.0113	5.0000e-005	6.5700e-003	3.0000e-005	6.6100e-003	1.7500e-003	3.0000e-005	1.7800e-003	0.0000	4.3339	4.3339	7.0000e-005	0.0000	4.3357
Total	**1.8400e-003**	**0.0135**	**0.0159**	**1.0000e-004**	**7.9200e-003**	**4.0000e-005**	**7.9800e-003**	**2.1300e-003**	**4.0000e-005**	**2.1700e-003**	**0.0000**	**9.6494**	**9.6494**	**4.1000e-004**	**0.0000**	**9.6595**

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					0.1113	0.0000	0.1113	0.0461	0.0000	0.0461	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0984	0.4154	0.6907	2.1000e-003		0.0146	0.0146		0.0146	0.0146	0.0000	196.3084	196.3084	7.9300e-003	0.0000	196.5068
Total	**0.0984**	**0.4154**	**0.6907**	**2.1000e-003**	**0.1113**	**0.0146**	**0.1259**	**0.0461**	**0.0146**	**0.0608**	**0.0000**	**196.3084**	**196.3084**	**7.9300e-003**	**0.0000**	**196.5068**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.9000e-004	8.6300e-003	3.4100e-003	4.0000e-005	9.1000e-004	1.0000e-005	9.2000e-004	2.5000e-004	1.0000e-005	2.6000e-004	0.0000	3.9406	3.9406	2.7000e-004	0.0000	3.9473
Vendor	1.1000e-004	4.0000e-003	1.1900e-003	1.0000e-005	3.5000e-004	0.0000	3.6000e-004	1.0000e-004	0.0000	1.1000e-004	0.0000	1.3748	1.3748	7.0000e-005	0.0000	1.3766
Worker	1.4400e-003	8.2000e-004	0.0113	5.0000e-005	6.0600e-003	3.0000e-005	6.1000e-003	1.6200e-003	3.0000e-005	1.6500e-003	0.0000	4.3339	4.3339	7.0000e-005	0.0000	4.3357
Total	**1.8400e-003**	**0.0135**	**0.0159**	**1.0000e-004**	**7.3200e-003**	**4.0000e-005**	**7.3800e-003**	**1.9700e-003**	**4.0000e-005**	**2.0200e-003**	**0.0000**	**9.6494**	**9.6494**	**4.1000e-004**	**0.0000**	**9.6595**

3.5 Building Construction - 2031

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	0.0661	0.4007	0.8159	1.5600e-003		7.4800e-003	7.4800e-003		7.4800e-003	7.4800e-003	0.0000	132.7448	132.7448	5.3300e-003	0.0000	132.8780
Total	**0.0661**	**0.4007**	**0.8159**	**1.5600e-003**		**7.4800e-003**	**7.4800e-003**		**7.4800e-003**	**7.4800e-003**	**0.0000**	**132.7448**	**132.7448**	**5.3300e-003**	**0.0000**	**132.8780**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.8900e-003	0.1752	0.0521	6.2000e-004	0.0165	1.9000e-004	0.0167	4.7800e-003	1.8000e-004	4.9500e-003	0.0000	60.1718	60.1718	3.0500e-003	0.0000	60.2480
Worker	0.0131	7.4800e-003	0.1024	4.4000e-004	0.0598	3.1000e-004	0.0601	0.0159	2.8000e-004	0.0162	0.0000	39.3953	39.3953	6.4000e-004	0.0000	39.4114
Total	**0.0180**	**0.1827**	**0.1545**	**1.0600e-003**	**0.0763**	**5.0000e-004**	**0.0768**	**0.0207**	**4.6000e-004**	**0.0211**	**0.0000**	**99.5671**	**99.5671**	**3.6900e-003**	**0.0000**	**99.6593**

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	0.0661	0.4007	0.8159	1.5600e-003		7.4800e-003	7.4800e-003		7.4800e-003	7.4800e-003	0.0000	132.7447	132.7447	5.3300e-003	0.0000	132.8778
Total	**0.0661**	**0.4007**	**0.8159**	**1.5600e-003**		**7.4800e-003**	**7.4800e-003**		**7.4800e-003**	**7.4800e-003**	**0.0000**	**132.7447**	**132.7447**	**5.3300e-003**	**0.0000**	**132.8778**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.8900e-003	0.1752	0.0521	6.2000e-004	0.0155	1.9000e-004	0.0157	4.5200e-003	1.8000e-004	4.7000e-003	0.0000	60.1718	60.1718	3.0500e-003	0.0000	60.2480
Worker	0.0131	7.4800e-003	0.1024	4.4000e-004	0.0551	3.1000e-004	0.0554	0.0147	2.8000e-004	0.0150	0.0000	39.3953	39.3953	6.4000e-004	0.0000	39.4114
Total	**0.0180**	**0.1827**	**0.1545**	**1.0600e-003**	**0.0706**	**5.0000e-004**	**0.0711**	**0.0193**	**4.6000e-004**	**0.0197**	**0.0000**	**99.5671**	**99.5671**	**3.6900e-003**	**0.0000**	**99.6593**

3.5 Building Construction - 2032

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	0.1715	1.0394	2.1166	4.0600e-003		0.0194	0.0194		0.0194	0.0194	0.0000	344.3479	344.3479	0.0138	0.0000	344.6933
Total	**0.1715**	**1.0394**	**2.1166**	**4.0600e-003**		**0.0194**	**0.0194**		**0.0194**	**0.0194**	**0.0000**	**344.3479**	**344.3479**	**0.0138**	**0.0000**	**344.6933**

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	0.0126	0.4514	0.1344	1.6000e-003	0.0429	4.8000e-004	0.0434	0.0124	4.6000e-004	0.0129	0.0000	155.7760	155.7760	7.8400e-003	0.0000	155.9719
Worker	0.0315	0.0177	0.2492	1.1100e-003	0.1550	7.5000e-004	0.1558	0.0412	6.9000e-004	0.0419	0.0000	100.1082	100.1082	1.5200e-003	0.0000	100.1462
Total	**0.0441**	**0.4691**	**0.3836**	**2.7100e-003**	**0.1980**	**1.2300e-003**	**0.1992**	**0.0536**	**1.1500e-003**	**0.0547**	**0.0000**	**255.8842**	**255.8842**	**9.3600e-003**	**0.0000**	**256.1181**

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	0.1715	1.0394	2.1166	4.0600e-003		0.0194	0.0194		0.0194	0.0194	0.0000	344.3475	344.3475	0.0138	0.0000	344.6929
Total	**0.1715**	**1.0394**	**2.1166**	**4.0600e-003**		**0.0194**	**0.0194**		**0.0194**	**0.0194**	**0.0000**	**344.3475**	**344.3475**	**0.0138**	**0.0000**	**344.6929**

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	0.0126	0.4514	0.1344	1.6000e-003	0.0402	4.8000e-004	0.0407	0.0117	4.6000e-004	0.0122	0.0000	155.7760	155.7760	7.8400e-003	0.0000	155.9719
Worker	0.0315	0.0177	0.2492	1.1100e-003	0.1429	7.5000e-004	0.1437	0.0382	6.9000e-004	0.0389	0.0000	100.1082	100.1082	1.5200e-003	0.0000	100.1462
Total	**0.0441**	**0.4691**	**0.3836**	**2.7100e-003**	**0.1831**	**1.2300e-003**	**0.1844**	**0.0499**	**1.1500e-003**	**0.0511**	**0.0000**	**255.8842**	**255.8842**	**9.3600e-003**	**0.0000**	**256.1181**

3.5 Building Construction - 2033

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	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7193	341.7193	0.0137	0.0000	342.0621
Total	**0.1702**	**1.0315**	**2.1004**	**4.0200e-003**		**0.0193**	**0.0193**		**0.0193**	**0.0193**	**0.0000**	**341.7193**	**341.7193**	**0.0137**	**0.0000**	**342.0621**

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	0.0124	0.4453	0.1329	1.5800e-003	0.0426	4.7000e-004	0.0431	0.0123	4.5000e-004	0.0127	0.0000	154.3397	154.3397	7.7200e-003	0.0000	154.5327
Worker	0.0292	0.0161	0.2333	1.0800e-003	0.1539	6.9000e-004	0.1545	0.0409	6.4000e-004	0.0415	0.0000	97.5279	97.5279	1.3900e-003	0.0000	97.5625
Total	**0.0416**	**0.4614**	**0.3662**	**2.6600e-003**	**0.1964**	**1.1600e-003**	**0.1976**	**0.0532**	**1.0900e-003**	**0.0542**	**0.0000**	**251.8676**	**251.8676**	**9.1100e-003**	**0.0000**	**252.0953**

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	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7189	341.7189	0.0137	0.0000	342.0617
Total	**0.1702**	**1.0315**	**2.1004**	**4.0200e-003**		**0.0193**	**0.0193**		**0.0193**	**0.0193**	**0.0000**	**341.7189**	**341.7189**	**0.0137**	**0.0000**	**342.0617**

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	0.0124	0.4453	0.1329	1.5800e-003	0.0399	4.7000e-004	0.0404	0.0116	4.5000e-004	0.0121	0.0000	154.3397	154.3397	7.7200e-003	0.0000	154.5327
Worker	0.0292	0.0161	0.2333	1.0800e-003	0.1419	6.9000e-004	0.1425	0.0379	6.4000e-004	0.0386	0.0000	97.5279	97.5279	1.3900e-003	0.0000	97.5625
Total	**0.0416**	**0.4614**	**0.3662**	**2.6600e-003**	**0.1817**	**1.1600e-003**	**0.1829**	**0.0496**	**1.0900e-003**	**0.0506**	**0.0000**	**251.8676**	**251.8676**	**9.1100e-003**	**0.0000**	**252.0953**

3.5 Building Construction - 2034

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	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7193	341.7193	0.0137	0.0000	342.0621
Total	**0.1702**	**1.0315**	**2.1004**	**4.0200e-003**		**0.0193**	**0.0193**		**0.0193**	**0.0193**	**0.0000**	**341.7193**	**341.7193**	**0.0137**	**0.0000**	**342.0621**

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	0.0123	0.4430	0.1325	1.5800e-003	0.0426	4.6000e-004	0.0431	0.0123	4.4000e-004	0.0127	0.0000	154.1543	154.1543	7.6800e-003	0.0000	154.3462
Worker	0.0274	0.0149	0.2196	1.0600e-003	0.1539	6.5000e-004	0.1545	0.0409	5.9000e-004	0.0415	0.0000	95.9275	95.9275	1.2700e-003	0.0000	95.9592
Total	**0.0397**	**0.4579**	**0.3521**	**2.6400e-003**	**0.1964**	**1.1100e-003**	**0.1976**	**0.0532**	**1.0300e-003**	**0.0542**	**0.0000**	**250.0818**	**250.0818**	**8.9500e-003**	**0.0000**	**250.3054**

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	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7189	341.7189	0.0137	0.0000	342.0617
Total	**0.1702**	**1.0315**	**2.1004**	**4.0200e-003**		**0.0193**	**0.0193**		**0.0193**	**0.0193**	**0.0000**	**341.7189**	**341.7189**	**0.0137**	**0.0000**	**342.0617**

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	0.0123	0.4430	0.1325	1.5800e-003	0.0399	4.6000e-004	0.0403	0.0116	4.4000e-004	0.0121	0.0000	154.1543	154.1543	7.6800e-003	0.0000	154.3462
Worker	0.0274	0.0149	0.2196	1.0600e-003	0.1419	6.5000e-004	0.1425	0.0379	5.9000e-004	0.0385	0.0000	95.9275	95.9275	1.2700e-003	0.0000	95.9592
Total	**0.0397**	**0.4579**	**0.3521**	**2.6400e-003**	**0.1817**	**1.1100e-003**	**0.1828**	**0.0496**	**1.0300e-003**	**0.0506**	**0.0000**	**250.0818**	**250.0818**	**8.9500e-003**	**0.0000**	**250.3054**

3.5 Building Construction - 2035

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	0.0103	0.0609	0.1370	2.6000e-004		7.7000e-004	7.7000e-004		7.7000e-004	7.7000e-004	0.0000	22.3432	22.3432	8.3000e-004	0.0000	22.3640
Total	**0.0103**	**0.0609**	**0.1370**	**2.6000e-004**		**7.7000e-004**	**7.7000e-004**		**7.7000e-004**	**7.7000e-004**	**0.0000**	**22.3432**	**22.3432**	**8.3000e-004**	**0.0000**	**22.3640**

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	8.0000e-004	0.0288	8.6300e-003	1.0000e-004	2.7800e-003	3.0000e-005	2.8100e-003	8.0000e-004	3.0000e-005	8.3000e-004	0.0000	10.0703	10.0703	5.0000e-004	0.0000	10.0828
Worker	1.6900e-003	9.2000e-004	0.0136	7.0000e-005	0.0101	4.0000e-005	0.0101	2.6700e-003	4.0000e-005	2.7100e-003	0.0000	6.1823	6.1823	8.0000e-005	0.0000	6.1842
Total	**2.4900e-003**	**0.0298**	**0.0223**	**1.7000e-004**	**0.0128**	**7.0000e-005**	**0.0129**	**3.4700e-003**	**7.0000e-005**	**3.5400e-003**	**0.0000**	**16.2526**	**16.2526**	**5.8000e-004**	**0.0000**	**16.2669**

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	0.0103	0.0609	0.1370	2.6000e-004		7.7000e-004	7.7000e-004		7.7000e-004	7.7000e-004	0.0000	22.3432	22.3432	8.3000e-004	0.0000	22.3640
Total	**0.0103**	**0.0609**	**0.1370**	**2.6000e-004**		**7.7000e-004**	**7.7000e-004**		**7.7000e-004**	**7.7000e-004**	**0.0000**	**22.3432**	**22.3432**	**8.3000e-004**	**0.0000**	**22.3640**

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	8.0000e-004	0.0288	8.6300e-003	1.0000e-004	2.6100e-003	3.0000e-005	2.6400e-003	7.6000e-004	3.0000e-005	7.9000e-004	0.0000	10.0703	10.0703	5.0000e-004	0.0000	10.0828
Worker	1.6900e-003	9.2000e-004	0.0136	7.0000e-005	9.2700e-003	4.0000e-005	9.3100e-003	2.4800e-003	4.0000e-005	2.5200e-003	0.0000	6.1823	6.1823	8.0000e-005	0.0000	6.1842
Total	**2.4900e-003**	**0.0298**	**0.0223**	**1.7000e-004**	**0.0119**	**7.0000e-005**	**0.0120**	**3.2400e-003**	**7.0000e-005**	**3.3100e-003**	**0.0000**	**16.2526**	**16.2526**	**5.8000e-004**	**0.0000**	**16.2669**

3.6 Architectural Coating - 2032

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	0.1341					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.6000e-003	0.0432	0.0908	1.5000e-004		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003	0.0000	12.8939	12.8939	5.2000e-004	0.0000	12.9070
Total	**0.1407**	**0.0432**	**0.0908**	**1.5000e-004**		**1.0300e-003**	**1.0300e-003**		**1.0300e-003**	**1.0300e-003**	**0.0000**	**12.8939**	**12.8939**	**5.2000e-004**	**0.0000**	**12.9070**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4700e-003	1.3900e-003	0.0196	9.0000e-005	0.0122	6.0000e-005	0.0122	3.2300e-003	5.0000e-005	3.2900e-003	0.0000	7.8612	7.8612	1.2000e-004	0.0000	7.8642
Total	**2.4700e-003**	**1.3900e-003**	**0.0196**	**9.0000e-005**	**0.0122**	**6.0000e-005**	**0.0122**	**3.2300e-003**	**5.0000e-005**	**3.2900e-003**	**0.0000**	**7.8612**	**7.8612**	**1.2000e-004**	**0.0000**	**7.8642**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1341					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.6000e-003	0.0432	0.0908	1.5000e-004		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003	0.0000	12.8939	12.8939	5.2000e-004	0.0000	12.9070
Total	**0.1407**	**0.0432**	**0.0908**	**1.5000e-004**		**1.0300e-003**	**1.0300e-003**		**1.0300e-003**	**1.0300e-003**	**0.0000**	**12.8939**	**12.8939**	**5.2000e-004**	**0.0000**	**12.9070**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4700e-003	1.3900e-003	0.0196	9.0000e-005	0.0112	6.0000e-005	0.0113	3.0000e-003	5.0000e-005	3.0500e-003	0.0000	7.8612	7.8612	1.2000e-004	0.0000	7.8642
Total	**2.4700e-003**	**1.3900e-003**	**0.0196**	**9.0000e-005**	**0.0112**	**6.0000e-005**	**0.0113**	**3.0000e-003**	**5.0000e-005**	**3.0500e-003**	**0.0000**	**7.8612**	**7.8612**	**1.2000e-004**	**0.0000**	**7.8642**

3.6 Architectural Coating - 2033

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	0.3451					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0170	0.1113	0.2337	3.9000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003	0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2259
Total	**0.3621**	**0.1113**	**0.2337**	**3.9000e-004**		**2.6400e-003**	**2.6400e-003**		**2.6400e-003**	**2.6400e-003**	**0.0000**	**33.1923**	**33.1923**	**1.3400e-003**	**0.0000**	**33.2259**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.9400e-003	3.2800e-003	0.0475	2.2000e-004	0.0313	1.4000e-004	0.0315	8.3200e-003	1.3000e-004	8.4500e-003	0.0000	19.8668	19.8668	2.8000e-004	0.0000	19.8739
Total	**5.9400e-003**	**3.2800e-003**	**0.0475**	**2.2000e-004**	**0.0313**	**1.4000e-004**	**0.0315**	**8.3200e-003**	**1.3000e-004**	**8.4500e-003**	**0.0000**	**19.8668**	**19.8668**	**2.8000e-004**	**0.0000**	**19.8739**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3451					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0170	0.1113	0.2337	3.9000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003	0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2258
Total	**0.3621**	**0.1113**	**0.2337**	**3.9000e-004**		**2.6400e-003**	**2.6400e-003**		**2.6400e-003**	**2.6400e-003**	**0.0000**	**33.1923**	**33.1923**	**1.3400e-003**	**0.0000**	**33.2258**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.9400e-003	3.2800e-003	0.0475	2.2000e-004	0.0289	1.4000e-004	0.0290	7.7200e-003	1.3000e-004	7.8500e-003	0.0000	19.8668	19.8668	2.8000e-004	0.0000	19.8739
Total	**5.9400e-003**	**3.2800e-003**	**0.0475**	**2.2000e-004**	**0.0289**	**1.4000e-004**	**0.0290**	**7.7200e-003**	**1.3000e-004**	**7.8500e-003**	**0.0000**	**19.8668**	**19.8668**	**2.8000e-004**	**0.0000**	**19.8739**

3.6 Architectural Coating - 2034

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	0.3451					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0170	0.1113	0.2337	3.9000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003	0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2259
Total	**0.3621**	**0.1113**	**0.2337**	**3.9000e-004**		**2.6400e-003**	**2.6400e-003**		**2.6400e-003**	**2.6400e-003**	**0.0000**	**33.1923**	**33.1923**	**1.3400e-003**	**0.0000**	**33.2259**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.5800e-003	3.0400e-003	0.0447	2.2000e-004	0.0313	1.3000e-004	0.0315	8.3200e-003	1.2000e-004	8.4400e-003	0.0000	19.5408	19.5408	2.6000e-004	0.0000	19.5472
Total	**5.5800e-003**	**3.0400e-003**	**0.0447**	**2.2000e-004**	**0.0313**	**1.3000e-004**	**0.0315**	**8.3200e-003**	**1.2000e-004**	**8.4400e-003**	**0.0000**	**19.5408**	**19.5408**	**2.6000e-004**	**0.0000**	**19.5472**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3451					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0170	0.1113	0.2337	3.9000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003	0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2258
Total	**0.3621**	**0.1113**	**0.2337**	**3.9000e-004**		**2.6400e-003**	**2.6400e-003**		**2.6400e-003**	**2.6400e-003**	**0.0000**	**33.1923**	**33.1923**	**1.3400e-003**	**0.0000**	**33.2258**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.5800e-003	3.0400e-003	0.0447	2.2000e-004	0.0289	1.3000e-004	0.0290	7.7200e-003	1.2000e-004	7.8400e-003	0.0000	19.5408	19.5408	2.6000e-004	0.0000	19.5472
Total	**5.5800e-003**	**3.0400e-003**	**0.0447**	**2.2000e-004**	**0.0289**	**1.3000e-004**	**0.0290**	**7.7200e-003**	**1.2000e-004**	**7.8400e-003**	**0.0000**	**19.5408**	**19.5408**	**2.6000e-004**	**0.0000**	**19.5472**

3.6 Architectural Coating - 2035

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	0.3438					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0153	0.0981	0.2324	3.8000e-004		1.2800e-003	1.2800e-003		1.2800e-003	1.2800e-003	0.0000	33.0646	33.0646	1.2200e-003	0.0000	33.0952
Total	**0.3590**	**0.0981**	**0.2324**	**3.8000e-004**		**1.2800e-003**	**1.2800e-003**		**1.2800e-003**	**1.2800e-003**	**0.0000**	**33.0646**	**33.0646**	**1.2200e-003**	**0.0000**	**33.0952**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.2500e-003	2.8500e-003	0.0423	2.1000e-004	0.0312	1.2000e-004	0.0313	8.2900e-003	1.1000e-004	8.4000e-003	0.0000	19.1866	19.1866	2.4000e-004	0.0000	19.1925
Total	**5.2500e-003**	**2.8500e-003**	**0.0423**	**2.1000e-004**	**0.0312**	**1.2000e-004**	**0.0313**	**8.2900e-003**	**1.1000e-004**	**8.4000e-003**	**0.0000**	**19.1866**	**19.1866**	**2.4000e-004**	**0.0000**	**19.1925**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3438					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0153	0.0981	0.2324	3.8000e-004		1.2800e-003	1.2800e-003		1.2800e-003	1.2800e-003	0.0000	33.0646	33.0646	1.2200e-003	0.0000	33.0951
Total	**0.3590**	**0.0981**	**0.2324**	**3.8000e-004**		**1.2800e-003**	**1.2800e-003**		**1.2800e-003**	**1.2800e-003**	**0.0000**	**33.0646**	**33.0646**	**1.2200e-003**	**0.0000**	**33.0951**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.2500e-003	2.8500e-003	0.0423	2.1000e-004	0.0288	1.2000e-004	0.0289	7.6900e-003	1.1000e-004	7.8100e-003	0.0000	19.1866	19.1866	2.4000e-004	0.0000	19.1925
Total	**5.2500e-003**	**2.8500e-003**	**0.0423**	**2.1000e-004**	**0.0288**	**1.2000e-004**	**0.0289**	**7.6900e-003**	**1.1000e-004**	**7.8100e-003**	**0.0000**	**19.1866**	**19.1866**	**2.4000e-004**	**0.0000**	**19.1925**

3.7 Paving - 2035

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	0.0331	0.1414	0.4588	8.1000e-004		5.4300e-003	5.4300e-003		5.4300e-003	5.4300e-003	0.0000	69.8886	69.8886	2.6900e-003	0.0000	69.9558
Paving	1.9900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0351**	**0.1414**	**0.4588**	**8.1000e-004**		**5.4300e-003**	**5.4300e-003**		**5.4300e-003**	**5.4300e-003**	**0.0000**	**69.8886**	**69.8886**	**2.6900e-003**	**0.0000**	**69.9558**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-004	4.3000e-004	6.4600e-003	3.0000e-005	4.7700e-003	2.0000e-005	4.7900e-003	1.2700e-003	2.0000e-005	1.2800e-003	0.0000	2.9295	2.9295	4.0000e-005	0.0000	2.9304
Total	**8.0000e-004**	**4.3000e-004**	**6.4600e-003**	**3.0000e-005**	**4.7700e-003**	**2.0000e-005**	**4.7900e-003**	**1.2700e-003**	**2.0000e-005**	**1.2800e-003**	**0.0000**	**2.9295**	**2.9295**	**4.0000e-005**	**0.0000**	**2.9304**

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	0.0331	0.1414	0.4588	8.1000e-004		5.4300e-003	5.4300e-003		5.4300e-003	5.4300e-003	0.0000	69.8885	69.8885	2.6900e-003	0.0000	69.9558
Paving	1.9900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0351**	**0.1414**	**0.4588**	**8.1000e-004**		**5.4300e-003**	**5.4300e-003**		**5.4300e-003**	**5.4300e-003**	**0.0000**	**69.8885**	**69.8885**	**2.6900e-003**	**0.0000**	**69.9558**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-004	4.3000e-004	6.4600e-003	3.0000e-005	4.3900e-003	2.0000e-005	4.4100e-003	1.1700e-003	2.0000e-005	1.1900e-003	0.0000	2.9295	2.9295	4.0000e-005	0.0000	2.9304
Total	**8.0000e-004**	**4.3000e-004**	**6.4600e-003**	**3.0000e-005**	**4.3900e-003**	**2.0000e-005**	**4.4100e-003**	**1.1700e-003**	**2.0000e-005**	**1.1900e-003**	**0.0000**	**2.9295**	**2.9295**	**4.0000e-005**	**0.0000**	**2.9304**

Phase 4 Construction

Los Angeles-South Coast, Summary Report

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Medical Office Building	120.00	1000sqft	7.68	120,000.00	0
Research & Development	130.00	1000sqft	7.68	130,000.00	0
Parking Lot	1.52	Acre	1.52	66,300.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2033
Utility Company					
CO2 Intensity (lb/MWhr)	0	**CH4 Intensity (lb/MWhr)**	0	**N2O Intensity (lb/MWhr)**	0

1.3 User Entered Comments

Only CalEEMod defaults were used.

Project Characteristics -

Land Use - Based on information provided by the applicant.

Construction Phase - Based on information provided by the applicant.

Grading -

Demolition -

Trips and VMT - Assumes one truck and two trips per day per truck.

Construction Off-road Equipment Mitigation - Per SCAQMD Rules 403 and 1186.

2.0 Peak Daily Emissions

Peak Daily Construction Emissions

Peak Daily Construction Emissions

		Unmitigated						Mitigated					
		ROG	NOX	CO	SO2	PM10	PM2.5	ROG	NOX	CO	SO2	PM10	PM2.5
Year	Phase	lb/day											
2031	Demolition	2.1708 W	11.4422 W	19.8558 S	0.0551 S	2.8940 W	0.7815 W	2.1708 W	11.4422 W	19.8558 S	0.0551 S	1.6186 W	0.5860 W
2031	Site Preparation	2.4925 W	13.8235 W	16.6934 S	0.0485 S	18.7181 S	10.4255 W	2.4925 W	13.8235 W	16.6934 S	0.0485 S	8.3586 S	4.7361 S
2031	Grading	3.3483 W	14.2870 W	23.5775 S	0.0734 S	9.4341 W	4.1584 W	3.3483 W	14.2870 W	23.5775 S	0.0734 S	4.4470 W	2.0942 S
2031	Building Construction	1.7009 W	11.4989 S	19.3242 S	0.0523 S	1.6982 W	0.5734 W	1.7009 W	11.4989 S	19.3242 S	0.0523 S	1.5824 W	0.5450 W
2032	Building Construction	1.6787 W	11.4649 S	19.1859 S	0.0521 S	1.6977 W	0.5730 W	1.6787 W	11.4649 S	19.1859 S	0.0521 S	1.5819 W	0.5445 W
2033	Building Construction	1.6600 W	11.4354 S	19.0687 S	0.0519 S	1.6973 W	0.5726 W	1.6600 W	11.4354 S	19.0687 S	0.0519 S	1.5815 W	0.5441 W
2034	Building Construction	1.6441 W	11.4096 S	18.9534 S	0.0518 S	1.6969 W	0.5722 W	1.6441 W	11.4096 S	18.9534 S	0.0518 S	1.5811 W	0.5438 W
2035	Building Construction	1.5387 W	10.6168 S	18.8190 S	0.0516 S	1.6388 W	0.5141 W	1.5387 W	10.6168 S	18.8190 S	0.0516 S	1.5230 W	0.4857 W
2032	Architectural Coating	2.8404 W	0.8830 W	2.2150 S	4.7700e-003 S	0.2674 S	0.0866 S	2.8404 W	0.8830 W	2.2150 S	4.7700e-003 S	0.2481 S	0.0819 S
2033	Architectural Coating	2.8367 W	0.8808 W	2.1918 S	4.7300e-003 S	0.2673 S	0.0865 S	2.8367 W	0.8808 W	2.1918 S	4.7300e-003 S	0.2481 S	0.0818 S
2034	Architectural Coating	2.8336 W	0.8790 W	2.1691 S	4.7000e-003 S	0.2672 S	0.0865 S	2.8336 W	0.8790 W	2.1691 S	4.7000e-003 S	0.2480 S	0.0817 S
2035	Architectural Coating	2.8182 W	0.7791 W	2.1469 S	4.6800e-003 S	0.2568 S	0.0760 S	2.8182 W	0.7791 W	2.1469 S	4.6800e-003 S	0.2375 S	0.0713 S
2035	Paving	1.2404 W	4.8907 W	16.0607 S	0.0292 S	0.3557 S	0.2325 S	1.2404 W	4.8907 W	16.0607 S	0.0292 S	0.3426 S	0.2292 S
	Peak Daily Total	3.3483 W	14.2870 W	23.5775 S	0.0734 S	18.7181 S	10.4255 W	3.3483 W	14.2870 W	23.5775 S	0.0734 S	8.3586 S	4.7361 S
	Air District Threshold												
	Exceed Significance?												

3.0 Annual GHG Emissions

Annual GHG

Annual GHG

		Unmitigated				Mitigated			
		CO2	CH4	N2O	CO2e	CO2	CH4	N2O	CO2e
GHG Activity	Year	MT/yr							
Construction	2031	666.6850	0.0280	0.0000	667.3840	666.6844	0.0280	0.0000	667.3833
Construction	2032	620.9873	0.0238	0.0000	621.5826	620.9869	0.0238	0.0000	621.5822
Construction	2033	646.6460	0.0244	0.0000	647.2570	646.6455	0.0244	0.0000	647.2565
Construction	2034	644.5342	0.0243	0.0000	645.1406	644.5337	0.0243	0.0000	645.1402
Construction	2035	163.6650	5.5973e-003	0.0000	163.8049	163.6649	5.5973e-003	0.0000	163.8048
Operational	2033	4,349.0295	18.4016	0.0643	4,828.2301	4,349.0295	18.4016	0.0643	4,828.2301
	Total								
	Significance Threshold								
	Exceed Significance?								

Phase 4 Construction

Los Angeles-South Coast County, Mitigation Report

Construction Mitigation Summary

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Demolition	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

OFFROAD Equipment Mitigation

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Air Compressors	Diesel	No Change	0	1	No Change	0.00
Excavators	Diesel	No Change	0	5	No Change	0.00
Concrete/Industrial Saws	Diesel	No Change	0	1	No Change	0.00
Cranes	Diesel	No Change	0	1	No Change	0.00
Forklifts	Diesel	No Change	0	3	No Change	0.00
Graders	Diesel	No Change	0	1	No Change	0.00
Pavers	Diesel	No Change	0	2	No Change	0.00
Rollers	Diesel	No Change	0	2	No Change	0.00
Rubber Tired Dozers	Diesel	No Change	0	6	No Change	0.00

Tractors/Loaders/Backhoes	Diesel	No Change	0	9	No Change	0.00
Generator Sets	Diesel	No Change	0	1	No Change	0.00
Paving Equipment	Diesel	No Change	0	2	No Change	0.00
Scrapers	Diesel	No Change	0	2	No Change	0.00
Welders	Diesel	No Change	0	1	No Change	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Unmitigated tons/yr						Unmitigated mt/yr					
Air Compressors	5.58600E-002	3.64000E-001	7.90560E-001	1.31000E-003	7.59000E-003	7.59000E-003	0.00000E+000	1.12343E+002	1.12343E+002	4.43000E-003	0.00000E+000	1.12454E+002
Concrete/Industrial Saws	6.91000E-003	5.21500E-002	1.08880E-001	1.90000E-004	1.13000E-003	1.13000E-003	0.00000E+000	1.61297E+001	1.61297E+001	5.40000E-004	0.00000E+000	1.61432E+001
Cranes	1.04020E-001	3.45480E-001	5.33570E-001	2.79000E-003	1.10900E-002	1.10900E-002	0.00000E+000	2.39843E+002	2.39843E+002	8.42000E-003	0.00000E+000	2.40054E+002
Excavators	3.38300E-002	8.33900E-002	5.34020E-001	9.50000E-004	3.65000E-003	3.65000E-003	0.00000E+000	8.18896E+001	8.18896E+001	2.74000E-003	0.00000E+000	8.19581E+001
Forklifts	1.19880E-001	6.58550E-001	1.60998E+000	2.54000E-003	8.86000E-003	8.86000E-003	0.00000E+000	2.18500E+002	2.18500E+002	9.60000E-003	0.00000E+000	2.18740E+002
Generator Sets	8.76100E-002	8.09800E-001	1.63586E+000	2.96000E-003	1.66100E-002	1.66100E-002	0.00000E+000	2.54343E+002	2.54343E+002	7.14000E-003	0.00000E+000	2.54522E+002
Graders	8.76000E-003	2.77500E-002	4.65700E-002	2.40000E-004	9.70000E-004	9.70000E-004	0.00000E+000	2.09143E+001	2.09143E+001	7.00000E-004	0.00000E+000	2.09318E+001
Pavers	1.36300E-002	4.96500E-002	1.85380E-001	3.40000E-004	2.40000E-003	2.40000E-003	0.00000E+000	2.87950E+001	2.87950E+001	1.11000E-003	0.00000E+000	2.88229E+001
Paving Equipment	1.14200E-002	4.04400E-002	1.60560E-001	2.90000E-004	1.94000E-003	1.94000E-003	0.00000E+000	2.50612E+001	2.50612E+001	9.30000E-004	0.00000E+000	2.50843E+001
Rollers	8.02000E-003	5.13100E-002	1.12850E-001	1.90000E-004	1.09000E-003	1.09000E-003	0.00000E+000	1.60324E+001	1.60324E+001	6.50000E-004	0.00000E+000	1.60486E+001
Rubber Tired Dozers	8.75600E-002	4.77800E-001	3.45540E-001	1.57000E-003	1.80400E-002	1.80400E-002	0.00000E+000	1.34755E+002	1.34755E+002	7.11000E-003	0.00000E+000	1.34933E+002
Scrapers	4.82800E-002	1.97040E-001	2.20720E-001	9.30000E-004	7.46000E-003	7.46000E-003	0.00000E+000	9.61071E+001	9.61071E+001	3.89000E-003	0.00000E+000	9.62043E+001
Tractors/Loaders/Backhoes	2.27290E-001	1.35676E+000	3.09861E+000	5.02000E-003	2.49500E-002	2.49500E-002	0.00000E+000	4.31177E+002	4.31177E+002	1.82000E-002	0.00000E+000	4.31632E+002
Welders	7.36300E-002	5.37330E-001	7.20620E-001	1.15000E-003	7.32000E-003	7.32000E-003	0.00000E+000	8.46993E+001	8.46993E+001	5.95000E-003	0.00000E+000	8.48480E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Mitigated tons/yr						Mitigated mt/yr					
Air Compressors	5.58600E-002	3.64000E-001	7.90560E-001	1.31000E-003	7.59000E-003	7.59000E-003	0.00000E+000	1.12343E+002	1.12343E+002	4.43000E-003	0.00000E+000	1.12454E+002
Concrete/Industrial Saws	6.91000E-003	5.21500E-002	1.08880E-001	1.90000E-004	1.13000E-003	1.13000E-003	0.00000E+000	1.61297E+001	1.61297E+001	5.40000E-004	0.00000E+000	1.61432E+001
Cranes	1.04020E-001	3.45480E-001	5.33570E-001	2.79000E-003	1.10900E-002	1.10900E-002	0.00000E+000	2.39843E+002	2.39843E+002	8.42000E-003	0.00000E+000	2.40054E+002

Excavators	3.38300E-002	8.33900E-002	5.34010E-001	9.50000E-004	3.65000E-003	3.65000E-003	0.00000E+000	8.18895E+001	8.18895E+001	2.74000E-003	0.00000E+000	8.19580E+001
Forklifts	1.19880E-001	6.58550E-001	1.60998E+000	2.54000E-003	8.86000E-003	8.86000E-003	0.00000E+000	2.18499E+002	2.18499E+002	9.60000E-003	0.00000E+000	2.18739E+002
Generator Sets	8.76100E-002	8.09800E-001	1.63586E+000	2.96000E-003	1.66100E-002	1.66100E-002	0.00000E+000	2.54343E+002	2.54343E+002	7.14000E-003	0.00000E+000	2.54522E+002
Graders	8.76000E-003	2.77500E-002	4.65700E-002	2.40000E-004	9.70000E-004	9.70000E-004	0.00000E+000	2.09143E+001	2.09143E+001	7.00000E-004	0.00000E+000	2.09318E+001
Pavers	1.36300E-002	4.96500E-002	1.85380E-001	3.40000E-004	2.40000E-003	2.40000E-003	0.00000E+000	2.87950E+001	2.87950E+001	1.11000E-003	0.00000E+000	2.88229E+001
Paving Equipment	1.14200E-002	4.04400E-002	1.60560E-001	2.90000E-004	1.94000E-003	1.94000E-003	0.00000E+000	2.50611E+001	2.50611E+001	9.30000E-004	0.00000E+000	2.50843E+001
Rollers	8.02000E-003	5.13100E-002	1.12850E-001	1.90000E-004	1.09000E-003	1.09000E-003	0.00000E+000	1.60324E+001	1.60324E+001	6.50000E-004	0.00000E+000	1.60486E+001
Rubber Tired Dozers	8.75600E-002	4.77800E-001	3.45540E-001	1.57000E-003	1.80400E-002	1.80400E-002	0.00000E+000	1.34755E+002	1.34755E+002	7.11000E-003	0.00000E+000	1.34933E+002
Scrapers	4.82800E-002	1.97040E-001	2.20720E-001	9.30000E-004	7.46000E-003	7.46000E-003	0.00000E+000	9.61070E+001	9.61070E+001	3.89000E-003	0.00000E+000	9.62042E+001
Tractors/Loaders/Backhoes	2.27290E-001	1.35676E+000	3.09861E+000	5.02000E-003	2.49500E-002	2.49500E-002	0.00000E+000	4.31176E+002	4.31176E+002	1.82000E-002	0.00000E+000	4.31631E+002
Welders	7.36300E-002	5.37320E-001	7.20610E-001	1.15000E-003	7.32000E-003	7.32000E-003	0.00000E+000	8.46992E+001	8.46992E+001	5.95000E-003	0.00000E+000	8.48479E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Air Compressors	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.15717E-006	1.15717E-006	0.00000E+000	0.00000E+000	1.15603E-006
Concrete/Industrial Saws	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.23995E-006	1.23995E-006	0.00000E+000	0.00000E+000	1.23891E-006
Cranes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.20912E-006	1.20912E-006	0.00000E+000	0.00000E+000	1.16641E-006
Excavators	0.00000E+000	0.00000E+000	1.87259E-005	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.09904E-006	1.09904E-006	0.00000E+000	0.00000E+000	1.22014E-006
Forklifts	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18993E-006	1.18993E-006	0.00000E+000	0.00000E+000	1.18863E-006
Generator Sets	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17951E-006	1.17951E-006	0.00000E+000	0.00000E+000	1.17868E-006
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	9.56283E-007	9.56283E-007	0.00000E+000	0.00000E+000	9.55484E-007
Pavers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.38913E-006	1.38913E-006	0.00000E+000	0.00000E+000	1.38779E-006
Paving Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.19707E-006	1.19707E-006	0.00000E+000	0.00000E+000	1.19597E-006
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.24747E-006	1.24747E-006	0.00000E+000	0.00000E+000	1.24621E-006
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18734E-006	1.18734E-006	0.00000E+000	0.00000E+000	1.18577E-006
Scrapers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.14456E-006	1.14456E-006	0.00000E+000	0.00000E+000	1.14340E-006
Tractors/Loaders/Backhoes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18281E-006	1.18281E-006	0.00000E+000	0.00000E+000	1.20473E-006
Welders	0.00000E+000	1.86105E-005	1.38769E-005	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18065E-006	1.18065E-006	0.00000E+000	0.00000E+000	1.17858E-006

Fugitive Dust Mitigation

Yes/No	Mitigation Measure	Mitigation Input		Mitigation Input		Mitigation Input	
No	Soil Stabilizer for unpaved Roads	PM10 Reduction	0.00	PM2.5 Reduction	0.00		
Yes	Replace Ground Cover of Area Disturbed	PM10 Reduction	5.00	PM2.5 Reduction	5.00		
Yes	Water Exposed Area	PM10 Reduction	55.00	PM2.5 Reduction	55.00	Frequency (per day)	2.00
No	Unpaved Road Mitigation	Moisture Content %	0.00	Vehicle Speed (mph)	15.00		
Yes	Clean Paved Road	% PM Reduction	9.00				

		Unmitigated		Mitigated		Percent Reduction	
Phase	Source	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Architectural Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	Roads	0.11	0.03	0.10	0.03	0.08	0.07
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	0.68	0.18	0.63	0.17	0.07	0.07
Demolition	Fugitive Dust	0.07	0.01	0.03	0.00	0.57	0.57
Demolition	Roads	0.01	0.00	0.01	0.00	0.07	0.07
Grading	Fugitive Dust	0.26	0.11	0.11	0.05	0.57	0.57
Grading	Roads	0.01	0.00	0.01	0.00	0.08	0.08
Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Roads	0.00	0.00	0.00	0.00	0.08	0.08
Site Preparation	Fugitive Dust	0.36	0.20	0.15	0.08	0.57	0.57
Site Preparation	Roads	0.00	0.00	0.00	0.00	0.07	0.07

CalEEMod Output: Construction – Phase 1 Mitigated

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Phase 1 Construction

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	280.00	1000sqft	1.86	280,000.00	0
Medical Office Building	60.00	1000sqft	0.78	60,000.00	0
Research & Development	180.00	1000sqft	1.46	180,000.00	0
Enclosed Parking with Elevator	1,750.00	Space	3.05	700,000.00	0
Parking Lot	6.43	Acre	6.43	279,900.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2020
Utility Company	Austin Energy				
CO2 Intensity (lb/MWhr)	1083.07	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on information provided by the Applicant.

Construction Phase - Based on information provided by the applicant.

Trips and VMT - Assumes 1 water truck and 2 trips per day per truck.

Demolition -

Grading -

Construction Off-road Equipment Mitigation - Per SCAQMD Rules 403 and 1186.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstructionPhase	NumDays	20.00	630.00
tblConstructionPhase	NumDays	300.00	650.00
tblConstructionPhase	NumDays	20.00	60.00
tblConstructionPhase	NumDays	30.00	60.00
tblConstructionPhase	NumDays	20.00	40.00
tblConstructionPhase	NumDays	10.00	30.00
tblConstructionPhase	PhaseEndDate	8/18/2023	12/24/2021
tblConstructionPhase	PhaseStartDate	3/20/2021	7/28/2019
tblConstructionPhase	PhaseStartDate	5/5/2018	5/7/2018
tblConstructionPhase	PhaseStartDate	3/24/2018	3/26/2018
tblFleetMix	FleetMixLandUseSubType	Hospital	Enclosed Parking with Elevator
tblFleetMix	FleetMixLandUseSubType	Medical Office Building	Hospital
tblFleetMix	FleetMixLandUseSubType	Research & Development	Medical Office Building
tblFleetMix	FleetMixLandUseSubType	Enclosed Parking with Elevator	Parking Lot
tblFleetMix	FleetMixLandUseSubType	Parking Lot	Research & Development
tblGrading	MaterialExported	0.00	25,042.00
tblLandUse	BuildingSpaceSquareFeet	280,090.80	279,900.00
tblLandUse	LandUseSquareFeet	280,090.80	279,900.00
tblLandUse	LotAcreage	6.43	1.86
tblLandUse	LotAcreage	1.38	0.78

tblLandUse	LotAcreage	4.13	1.46
tblLandUse	LotAcreage	15.75	3.05
tblProjectCharacteristics	OperationalYear	2018	2020
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00

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					
2018	7.0045	76.7035	57.0401	0.1648	18.2803	2.7016	20.8607	9.9877	2.4879	12.3618	0.0000	16,796.5760	16,796.5760	2.2715	0.0000	16,830.8305
2019	15.2008	53.9317	60.0214	0.1787	9.3322	1.6670	10.9992	2.5107	1.5768	4.0875	0.0000	18,149.7608	18,149.7608	1.3838	0.0000	18,184.3554
2020	14.5147	49.3096	55.9225	0.1757	9.3322	1.4160	10.7482	2.5107	1.3388	3.8495	0.0000	17,811.5419	17,811.5419	1.3178	0.0000	17,844.4881
2021	13.9264	44.8877	52.5892	0.1725	9.3322	1.1642	10.4965	2.5107	1.0998	3.6106	0.0000	17,499.9382	17,499.9382	1.2666	0.0000	17,531.6024
Maximum	**15.2008**	**76.7035**	**60.0214**	**0.1787**	**18.2803**	**2.7016**	**20.8607**	**9.9877**	**2.4879**	**12.3618**	**0.0000**	**18,149.7608**	**18,149.7608**	**2.2715**	**0.0000**	**18,184.3554**

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					
2018	7.0045	76.7035	57.0401	0.1648	7.4290	2.7016	9.4714	3.7323	2.4879	6.1064	0.0000	16,796.5760	16,796.5760	2.2715	0.0000	16,830.8305
2019	15.2008	53.9317	60.0214	0.1787	8.6242	1.6670	10.2912	2.3369	1.5768	3.9137	0.0000	18,149.7608	18,149.7608	1.3838	0.0000	18,184.3554
2020	14.5147	49.3096	55.9225	0.1757	8.6242	1.4160	10.0402	2.3369	1.3388	3.6758	0.0000	17,811.5419	17,811.5419	1.3178	0.0000	17,844.4881
2021	13.9264	44.8877	52.5892	0.1725	8.6243	1.1642	9.7885	2.3369	1.0998	3.4368	0.0000	17,499.9382	17,499.9382	1.2666	0.0000	17,531.6023
Maximum	**15.2008**	**76.7035**	**60.0214**	**0.1787**	**8.6243**	**2.7016**	**10.2912**	**3.7323**	**2.4879**	**6.1064**	**0.0000**	**18,149.7608**	**18,149.7608**	**2.2715**	**0.0000**	**18,184.3554**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**28.04**	**0.00**	**25.45**	**38.68**	**0.00**	**28.34**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2018	3/23/2018	5	60	
2	Site Preparation	Site Preparation	3/26/2018	5/4/2018	5	30	
3	Grading	Grading	5/7/2018	7/27/2018	5	60	
4	Building Construction	Building Construction	7/28/2018	1/22/2021	5	650	
5	Architectural Coating	Architectural Coating	7/28/2019	12/24/2021	5	630	
6	Paving	Paving	1/23/2021	3/19/2021	5	40	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 150

Acres of Paving: 9.48

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 780,000; Non-Residential Outdoor: 260,000; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	2.00	786.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	2.00	3,130.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	578.00	246.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	116.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.8368	0.0000	2.8368	0.4295	0.0000	0.4295			0.0000			0.0000
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048		3,871.7665	3,871.7665	1.0667		3,898.4344
Total	**3.7190**	**38.3225**	**22.3040**	**0.0388**	**2.8368**	**1.9386**	**4.7753**	**0.4295**	**1.8048**	**2.2344**		**3,871.7665**	**3,871.7665**	**1.0667**		**3,898.4344**

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	0.1300	4.2321	0.8757	0.0106	0.2290	0.0161	0.2451	0.0628	0.0154	0.0782		1,147.0551	1,147.0551	0.0790		1,149.0292
Vendor	9.2000e-003	0.2451	0.0670	5.3000e-004	0.0128	1.7300e-003	0.0145	3.6900e-003	1.6500e-003	5.3400e-003		56.3359	56.3359	3.7100e-003		56.4286
Worker	0.0829	0.0625	0.8101	1.8900e-003	0.1677	1.4900e-003	0.1692	0.0445	1.3800e-003	0.0458		188.0535	188.0535	7.0500e-003		188.2298
Total	**0.2221**	**4.5398**	**1.7528**	**0.0130**	**0.4095**	**0.0193**	**0.4288**	**0.1109**	**0.0184**	**0.1294**		**1,391.4444**	**1,391.4444**	**0.0897**		**1,393.6876**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.0510	0.0000	1.0510	0.1591	0.0000	0.1591			0.0000			0.0000
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048	0.0000	3,871.7665	3,871.7665	1.0667		3,898.4344
Total	**3.7190**	**38.3225**	**22.3040**	**0.0388**	**1.0510**	**1.9386**	**2.9896**	**0.1591**	**1.8048**	**1.9640**	**0.0000**	**3,871.7665**	**3,871.7665**	**1.0667**		**3,898.4344**

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	0.1300	4.2321	0.8757	0.0106	0.2134	0.0161	0.2295	0.0590	0.0154	0.0744		1,147.0551	1,147.0551	0.0790		1,149.0292
Vendor	9.2000e-003	0.2451	0.0670	5.3000e-004	0.0120	1.7300e-003	0.0137	3.4800e-003	1.6500e-003	5.1400e-003		56.3359	56.3359	3.7100e-003		56.4286
Worker	0.0829	0.0625	0.8101	1.8900e-003	0.1546	1.4900e-003	0.1560	0.0413	1.3800e-003	0.0426		188.0535	188.0535	7.0500e-003		188.2298
Total	**0.2221**	**4.5398**	**1.7528**	**0.0130**	**0.3800**	**0.0193**	**0.3993**	**0.1037**	**0.0184**	**0.1221**		**1,391.4444**	**1,391.4444**	**0.0897**		**1,393.6876**

3.3 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.6239	3,831.6239	1.1928		3,861.4448
Total	**4.5627**	**48.1988**	**22.4763**	**0.0380**	**18.0663**	**2.5769**	**20.6432**	**9.9307**	**2.3708**	**12.3014**		**3,831.6239**	**3,831.6239**	**1.1928**		**3,861.4448**

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	9.2000e-003	0.2451	0.0670	5.3000e-004	0.0128	1.7300e-003	0.0145	3.6900e-003	1.6500e-003	5.3400e-003		56.3359	56.3359	3.7100e-003		56.4286
Worker	0.0995	0.0751	0.9721	2.2700e-003	0.2012	1.7900e-003	0.2030	0.0534	1.6500e-003	0.0550		225.6642	225.6642	8.4600e-003		225.8758
Total	**0.1087**	**0.3202**	**1.0392**	**2.8000e-003**	**0.2140**	**3.5200e-003**	**0.2175**	**0.0571**	**3.3000e-003**	**0.0604**		**282.0001**	**282.0001**	**0.0122**		**282.3044**

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					6.6936	0.0000	6.6936	3.6793	0.0000	3.6793			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448
Total	**4.5627**	**48.1988**	**22.4763**	**0.0380**	**6.6936**	**2.5769**	**9.2705**	**3.6793**	**2.3708**	**6.0501**	**0.0000**	**3,831.6239**	**3,831.6239**	**1.1928**		**3,861.4448**

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	9.2000e-003	0.2451	0.0670	5.3000e-004	0.0120	1.7300e-003	0.0137	3.4800e-003	1.6500e-003	5.1400e-003		56.3359	56.3359	3.7100e-003		56.4286
Worker	0.0995	0.0751	0.9721	2.2700e-003	0.1855	1.7900e-003	0.1873	0.0495	1.6500e-003	0.0512		225.6642	225.6642	8.4600e-003		225.8758
Total	**0.1087**	**0.3202**	**1.0392**	**2.8000e-003**	**0.1974**	**3.5200e-003**	**0.2010**	**0.0530**	**3.3000e-003**	**0.0563**		**282.0001**	**282.0001**	**0.0122**		**282.3044**

3.4 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.7205	0.0000	8.7205	3.6037	0.0000	3.6037			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230		6,244.4284	6,244.4284	1.9440		6,293.0278
Total	**5.0901**	**59.5218**	**35.0894**	**0.0620**	**8.7205**	**2.6337**	**11.3543**	**3.6037**	**2.4230**	**6.0267**		**6,244.4284**	**6,244.4284**	**1.9440**		**6,293.0278**

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	0.5178	16.8532	3.4872	0.0423	0.9120	0.0641	0.9762	0.2500	0.0613	0.3113		4,567.7893	4,567.7893	0.3145		4,575.6507
Vendor	9.2000e-003	0.2451	0.0670	5.3000e-004	0.0128	1.7300e-003	0.0145	3.6900e-003	1.6500e-003	5.3400e-003		56.3359	56.3359	3.7100e-003		56.4286
Worker	0.1105	0.0834	1.0802	2.5200e-003	0.2236	1.9900e-003	0.2256	0.0593	1.8400e-003	0.0611		250.7380	250.7380	9.4000e-003		250.9731
Total	**0.6375**	**17.1817**	**4.6344**	**0.0453**	**1.1484**	**0.0678**	**1.2162**	**0.3130**	**0.0648**	**0.3778**		**4,874.8632**	**4,874.8632**	**0.3276**		**4,883.0524**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.2310	0.0000	3.2310	1.3352	0.0000	1.3352			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230	0.0000	6,244.4284	6,244.4284	1.9440		6,293.0278
Total	**5.0901**	**59.5218**	**35.0894**	**0.0620**	**3.2310**	**2.6337**	**5.8647**	**1.3352**	**2.4230**	**3.7582**	**0.0000**	**6,244.4284**	**6,244.4284**	**1.9440**		**6,293.0278**

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	0.5178	16.8532	3.4872	0.0423	0.8500	0.0641	0.9141	0.2348	0.0613	0.2961		4,567.7893	4,567.7893	0.3145		4,575.6507

Vendor	9.2000e-003	0.2451	0.0670	5.3000e-004	0.0120	1.7300e-003	0.0137	3.4800e-003	1.6500e-003	5.1400e-003		56.3359	56.3359	3.7100e-003		56.4286
Worker	0.1105	0.0834	1.0802	2.5200e-003	0.2061	1.9900e-003	0.2081	0.0550	1.8400e-003	0.0568		250.7380	250.7380	9.4000e-003		250.9731
Total	**0.6375**	**17.1817**	**4.6344**	**0.0453**	**1.0680**	**0.0678**	**1.1358**	**0.2932**	**0.0648**	**0.3581**		**4,874.8632**	**4,874.8632**	**0.3276**		**4,883.0524**

3.5 Building Construction - 2018

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	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883
Total	**2.6795**	**23.3900**	**17.5804**	**0.0269**		**1.4999**	**1.4999**		**1.4099**	**1.4099**		**2,620.9351**	**2,620.9351**	**0.6421**		**2,636.9883**

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	1.1317	30.1498	8.2434	0.0650	1.5748	0.2125	1.7873	0.4534	0.2033	0.6567		6,929.3136	6,929.3136	0.4563		6,940.7204

Worker	3.1933	2.4098	31.2163	0.0728	6.4607	0.0576	6.5183	1.7134	0.0531	1.7665		7,246.3272	7,246.3272	0.2718		7,253.1219
Total	**4.3251**	**32.5596**	**39.4597**	**0.1379**	**8.0355**	**0.2701**	**8.3056**	**2.1668**	**0.2564**	**2.4232**		**14,175.6409**	**14,175.6409**	**0.7281**		**14,193.8423**

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	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883
Total	**2.6795**	**23.3900**	**17.5804**	**0.0269**		**1.4999**	**1.4999**		**1.4099**	**1.4099**	**0.0000**	**2,620.9351**	**2,620.9351**	**0.6421**		**2,636.9883**

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	1.1317	30.1498	8.2434	0.0650	1.4739	0.2125	1.6863	0.4286	0.2033	0.6319		6,929.3136	6,929.3136	0.4563		6,940.7204
Worker	3.1933	2.4098	31.2163	0.0728	5.9552	0.0576	6.0128	1.5893	0.0531	1.6424		7,246.3272	7,246.3272	0.2718		7,253.1219

Total	**4.3251**	**32.5596**	**39.4597**	**0.1379**	**7.4290**	**0.2701**	**7.6991**	**2.0180**	**0.2564**	**2.2743**		**14,175.6409**	**14,175.6409**	**0.7281**		**14,193.8423**

3.5 Building Construction - 2019

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	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	**2.3612**	**21.0788**	**17.1638**	**0.0269**		**1.2899**	**1.2899**		**1.2127**	**1.2127**		**2,591.5802**	**2,591.5802**	**0.6313**		**2,607.3635**

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	1.0222	28.4695	7.5542	0.0643	1.5749	0.1815	1.7564	0.4534	0.1736	0.6271		6,858.8396	6,858.8396	0.4395		6,869.8280
Worker	2.8874	2.1222	27.8691	0.0704	6.4607	0.0557	6.5164	1.7134	0.0513	1.7647		7,010.8677	7,010.8677	0.2408		7,016.8880
Total	**3.9097**	**30.5916**	**35.4232**	**0.1347**	**8.0355**	**0.2372**	**8.2728**	**2.1668**	**0.2250**	**2.3918**		**13,869.7073**	**13,869.7073**	**0.6803**		**13,886.7160**

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	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	**2.3612**	**21.0788**	**17.1638**	**0.0269**		**1.2899**	**1.2899**		**1.2127**	**1.2127**	**0.0000**	**2,591.5802**	**2,591.5802**	**0.6313**		**2,607.3635**

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	1.0222	28.4695	7.5542	0.0643	1.4739	0.1815	1.6554	0.4286	0.1736	0.6023		6,858.8396	6,858.8396	0.4395		6,869.8280
Worker	2.8874	2.1222	27.8691	0.0704	5.9552	0.0557	6.0109	1.5893	0.0513	1.6407		7,010.8677	7,010.8677	0.2408		7,016.8880
Total	**3.9097**	**30.5916**	**35.4232**	**0.1347**	**7.4290**	**0.2372**	**7.6663**	**2.0180**	**0.2250**	**2.2429**		**13,869.7073**	**13,869.7073**	**0.6803**		**13,886.7160**

3.5 Building Construction - 2020

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	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**2.1198**	**19.1860**	**16.8485**	**0.0269**		**1.1171**	**1.1171**		**1.0503**	**1.0503**		**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

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	0.8749	26.1676	6.8562	0.0638	1.5749	0.1232	1.6981	0.4534	0.1178	0.5713		6,814.8075	6,814.8075	0.4159		6,825.2040
Worker	2.6600	1.8923	25.3074	0.0683	6.4607	0.0540	6.5147	1.7134	0.0498	1.7632		6,797.9324	6,797.9324	0.2143		6,803.2905
Total	**3.5349**	**28.0599**	**32.1636**	**0.1321**	**8.0356**	**0.1772**	**8.2127**	**2.1668**	**0.1676**	**2.3344**		**13,612.7399**	**13,612.7399**	**0.6302**		**13,628.4945**

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	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**2.1198**	**19.1860**	**16.8485**	**0.0269**		**1.1171**	**1.1171**		**1.0503**	**1.0503**	**0.0000**	**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

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	0.8749	26.1676	6.8562	0.0638	1.4739	0.1232	1.5971	0.4287	0.1178	0.5465		6,814.8075	6,814.8075	0.4159		6,825.2040
Worker	2.6600	1.8923	25.3074	0.0683	5.9552	0.0540	6.0092	1.5893	0.0498	1.6391		6,797.9324	6,797.9324	0.2143		6,803.2905
Total	**3.5349**	**28.0599**	**32.1636**	**0.1321**	**7.4291**	**0.1772**	**7.6063**	**2.0180**	**0.1676**	**2.1855**		**13,612.7399**	**13,612.7399**	**0.6302**		**13,628.4945**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

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

Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**		**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

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	0.7477	23.8840	6.2439	0.0633	1.5749	0.0488	1.6238	0.4535	0.0467	0.5002		6,762.0635	6,762.0635	0.3984		6,772.0228
Worker	2.4776	1.7030	23.2803	0.0661	6.4607	0.0522	6.5129	1.7134	0.0481	1.7615		6,582.0898	6,582.0898	0.1939		6,586.9383
Total	**3.2254**	**25.5870**	**29.5242**	**0.1293**	**8.0356**	**0.1010**	**8.1367**	**2.1669**	**0.0948**	**2.2617**		**13,344.1533**	**13,344.1533**	**0.5923**		**13,358.9611**

Mitigated Construction On-Site

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

Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**	**0.0000**	**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

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	0.7477	23.8840	6.2439	0.0633	1.4739	0.0488	1.5228	0.4287	0.0467	0.4754		6,762.0635	6,762.0635	0.3984		6,772.0228
Worker	2.4776	1.7030	23.2803	0.0661	5.9552	0.0522	6.0074	1.5893	0.0481	1.6374		6,582.0898	6,582.0898	0.1939		6,586.9383
Total	**3.2254**	**25.5870**	**29.5242**	**0.1293**	**7.4291**	**0.1010**	**7.5302**	**2.0180**	**0.0948**	**2.1128**		**13,344.1533**	**13,344.1533**	**0.5923**		**13,358.9611**

3.6 Architectural Coating - 2019

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	8.0840					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	**8.3504**	**1.8354**	**1.8413**	**2.9700e-003**		**0.1288**	**0.1288**		**0.1288**	**0.1288**		**281.4481**	**281.4481**	**0.0238**		**282.0423**

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	0.0000	0.0000	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	0.5795	0.4259	5.5931	0.0141	1.2966	0.0112	1.3078	0.3439	0.0103	0.3542		1,407.0253	1,407.0253	0.0483		1,408.2336
Total	**0.5795**	**0.4259**	**5.5931**	**0.0141**	**1.2966**	**0.0112**	**1.3078**	**0.3439**	**0.0103**	**0.3542**		**1,407.0253**	**1,407.0253**	**0.0483**		**1,408.2336**

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	8.0840					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423

Total	**8.3504**	**1.8354**	**1.8413**	**2.9700e-003**		**0.1288**	**0.1288**		**0.1288**	**0.1288**	**0.0000**	**281.4481**	**281.4481**	**0.0238**		**282.0423**

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	0.0000	0.0000	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	0.5795	0.4259	5.5931	0.0141	1.1952	0.0112	1.2063	0.3190	0.0103	0.3293		1,407.0253	1,407.0253	0.0483		1,408.2336
Total	**0.5795**	**0.4259**	**5.5931**	**0.0141**	**1.1952**	**0.0112**	**1.2063**	**0.3190**	**0.0103**	**0.3293**		**1,407.0253**	**1,407.0253**	**0.0483**		**1,408.2336**

3.6 Architectural Coating - 2020

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	8.0840					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	**8.3262**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**		**281.4481**	**281.4481**	**0.0218**		**281.9928**

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	0.0000	0.0000	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	0.5338	0.3798	5.0790	0.0137	1.2966	0.0108	1.3075	0.3439	9.9900e-003	0.3539		1,364.2909	1,364.2909	0.0430		1,365.3663
Total	**0.5338**	**0.3798**	**5.0790**	**0.0137**	**1.2966**	**0.0108**	**1.3075**	**0.3439**	**9.9900e-003**	**0.3539**		**1,364.2909**	**1,364.2909**	**0.0430**		**1,365.3663**

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	8.0840					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
Total	**8.3262**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**	**0.0000**	**281.4481**	**281.4481**	**0.0218**		**281.9928**

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	0.0000	0.0000	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	0.5338	0.3798	5.0790	0.0137	1.1952	0.0108	1.2060	0.3190	9.9900e-003	0.3290		1,364.2909	1,364.2909	0.0430		1,365.3663
Total	**0.5338**	**0.3798**	**5.0790**	**0.0137**	**1.1952**	**0.0108**	**1.2060**	**0.3190**	**9.9900e-003**	**0.3290**		**1,364.2909**	**1,364.2909**	**0.0430**		**1,365.3663**

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.0840					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	**8.3029**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.9309**

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	0.0000	0.0000	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	0.4972	0.3418	4.6722	0.0133	1.2966	0.0105	1.3071	0.3439	9.6500e-003	0.3535		1,320.9730	1,320.9730	0.0389		1,321.9461
Total	**0.4972**	**0.3418**	**4.6722**	**0.0133**	**1.2966**	**0.0105**	**1.3071**	**0.3439**	**9.6500e-003**	**0.3535**		**1,320.9730**	**1,320.9730**	**0.0389**		**1,321.9461**

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	8.0840					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	**8.3029**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.9309**

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	0.0000	0.0000	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	0.4972	0.3418	4.6722	0.0133	1.1952	0.0105	1.2056	0.3190	9.6500e-003	0.3286		1,320.9730	1,320.9730	0.0389		1,321.9461
Total	**0.4972**	**0.3418**	**4.6722**	**0.0133**	**1.1952**	**0.0105**	**1.2056**	**0.3190**	**9.6500e-003**	**0.3286**		**1,320.9730**	**1,320.9730**	**0.0389**		**1,321.9461**

3.7 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.4212					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.6767**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**		**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

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	0.0000	0.0000	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	0.0643	0.0442	0.6042	1.7100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		170.8155	170.8155	5.0300e-003		170.9413
Total	**0.0643**	**0.0442**	**0.6042**	**1.7100e-003**	**0.1677**	**1.3500e-003**	**0.1690**	**0.0445**	**1.2500e-003**	**0.0457**		**170.8155**	**170.8155**	**5.0300e-003**		**170.9413**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.4212					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.6767**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**	**0.0000**	**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

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	0.0000	0.0000	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	0.0643	0.0442	0.6042	1.7100e-003	0.1546	1.3500e-003	0.1559	0.0413	1.2500e-003	0.0425		170.8155	170.8155	5.0300e-003		170.9413
Total	**0.0643**	**0.0442**	**0.6042**	**1.7100e-003**	**0.1546**	**1.3500e-003**	**0.1559**	**0.0413**	**1.2500e-003**	**0.0425**		**170.8155**	**170.8155**	**5.0300e-003**		**170.9413**

Phase 1 Construction

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	280.00	1000sqft	1.86	280,000.00	0
Medical Office Building	60.00	1000sqft	0.78	60,000.00	0
Research & Development	180.00	1000sqft	1.46	180,000.00	0
Enclosed Parking with Elevator	1,750.00	Space	3.05	700,000.00	0
Parking Lot	6.43	Acre	6.43	279,900.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2020
Utility Company	Austin Energy				
CO2 Intensity (lb/MWhr)	1083.07	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on information provided by the Applicant.

Construction Phase - Based on information provided by the applicant.

Trips and VMT - Assumes 1 water truck and 2 trips per day per truck.

Demolition -

Grading -

Construction Off-road Equipment Mitigation - Per SCAQMD Rules 403 and 1186.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstructionPhase	NumDays	20.00	630.00
tblConstructionPhase	NumDays	300.00	650.00
tblConstructionPhase	NumDays	20.00	60.00
tblConstructionPhase	NumDays	30.00	60.00
tblConstructionPhase	NumDays	20.00	40.00
tblConstructionPhase	NumDays	10.00	30.00
tblConstructionPhase	PhaseEndDate	8/18/2023	12/24/2021
tblConstructionPhase	PhaseStartDate	3/20/2021	7/28/2019
tblConstructionPhase	PhaseStartDate	5/5/2018	5/7/2018
tblConstructionPhase	PhaseStartDate	3/24/2018	3/26/2018
tblFleetMix	FleetMixLandUseSubType	Hospital	Enclosed Parking with Elevator
tblFleetMix	FleetMixLandUseSubType	Medical Office Building	Hospital
tblFleetMix	FleetMixLandUseSubType	Research & Development	Medical Office Building
tblFleetMix	FleetMixLandUseSubType	Enclosed Parking with Elevator	Parking Lot
tblFleetMix	FleetMixLandUseSubType	Parking Lot	Research & Development
tblGrading	MaterialExported	0.00	25,042.00
tblLandUse	BuildingSpaceSquareFeet	280,090.80	279,900.00
tblLandUse	LandUseSquareFeet	280,090.80	279,900.00
tblLandUse	LotAcreage	6.43	1.86
tblLandUse	LotAcreage	1.38	0.78

tblLandUse	LotAcreage	4.13	1.46
tblLandUse	LotAcreage	15.75	3.05
tblProjectCharacteristics	OperationalYear	2018	2020
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00

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					
2018	7.3932	76.9438	55.3837	0.1588	18.2803	2.7028	20.8607	9.9877	2.4891	12.3618	0.0000	16,188.7507	16,188.7507	2.2836	0.0000	16,223.3890
2019	15.6209	54.2436	58.0395	0.1721	9.3322	1.6700	11.0022	2.5107	1.5796	4.0903	0.0000	17,472.8330	17,472.8330	1.3966	0.0000	17,507.7476
2020	14.9072	49.5477	54.0717	0.1691	9.3322	1.4180	10.7501	2.5107	1.3407	3.8514	0.0000	17,148.4556	17,148.4556	1.3301	0.0000	17,181.7087
2021	14.2979	45.0570	50.8566	0.1661	9.3322	1.1658	10.4980	2.5107	1.1013	3.6120	0.0000	16,852.9344	16,852.9344	1.2789	0.0000	16,884.9062
Maximum	**15.6209**	**76.9438**	**58.0395**	**0.1721**	**18.2803**	**2.7028**	**20.8607**	**9.9877**	**2.4891**	**12.3618**	**0.0000**	**17,472.8330**	**17,472.8330**	**2.2836**	**0.0000**	**17,507.7476**

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					
2018	7.3932	76.9438	55.3837	0.1588	7.4290	2.7028	9.4715	3.7323	2.4891	6.1064	0.0000	16,188.7507	16,188.7507	2.2836	0.0000	16,223.3889
2019	15.6209	54.2436	58.0395	0.1721	8.6242	1.6700	10.2942	2.3369	1.5796	3.9165	0.0000	17,472.8330	17,472.8330	1.3966	0.0000	17,507.7476
2020	14.9072	49.5477	54.0717	0.1691	8.6242	1.4180	10.0422	2.3369	1.3407	3.6776	0.0000	17,148.4556	17,148.4556	1.3301	0.0000	17,181.7087
2021	14.2979	45.0570	50.8566	0.1661	8.6243	1.1658	9.7901	2.3369	1.1013	3.4383	0.0000	16,852.9344	16,852.9344	1.2789	0.0000	16,884.9062
Maximum	**15.6209**	**76.9438**	**58.0395**	**0.1721**	**8.6243**	**2.7028**	**10.2942**	**3.7323**	**2.4891**	**6.1064**	**0.0000**	**17,472.8330**	**17,472.8330**	**2.2836**	**0.0000**	**17,507.7476**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**28.04**	**0.00**	**25.44**	**38.68**	**0.00**	**28.34**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2018	3/23/2018	5	60	
2	Site Preparation	Site Preparation	3/26/2018	5/4/2018	5	30	
3	Grading	Grading	5/7/2018	7/27/2018	5	60	
4	Building Construction	Building Construction	7/28/2018	1/22/2021	5	650	
5	Architectural Coating	Architectural Coating	7/28/2019	12/24/2021	5	630	
6	Paving	Paving	1/23/2021	3/19/2021	5	40	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 150

Acres of Paving: 9.48

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 780,000; Non-Residential Outdoor: 260,000; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	2.00	786.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	2.00	3,130.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	578.00	246.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	116.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.8368	0.0000	2.8368	0.4295	0.0000	0.4295			0.0000			0.0000
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048		3,871.7665	3,871.7665	1.0667		3,898.4344
Total	**3.7190**	**38.3225**	**22.3040**	**0.0388**	**2.8368**	**1.9386**	**4.7753**	**0.4295**	**1.8048**	**2.2344**		**3,871.7665**	**3,871.7665**	**1.0667**		**3,898.4344**

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	0.1333	4.2901	0.9368	0.0104	0.2290	0.0164	0.2454	0.0628	0.0157	0.0785		1,127.8617	1,127.8617	0.0821		1,129.9129
Vendor	9.5900e-003	0.2457	0.0737	5.1000e-004	0.0128	1.7500e-003	0.0146	3.6900e-003	1.6800e-003	5.3700e-003		54.8300	54.8300	3.9600e-003		54.9289
Worker	0.0917	0.0693	0.7459	1.7800e-003	0.1677	1.4900e-003	0.1692	0.0445	1.3800e-003	0.0458		177.0864	177.0864	6.6600e-003		177.2530
Total	**0.2346**	**4.6050**	**1.7564**	**0.0127**	**0.4095**	**0.0197**	**0.4292**	**0.1109**	**0.0188**	**0.1297**		**1,359.7781**	**1,359.7781**	**0.0927**		**1,362.0948**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.0510	0.0000	1.0510	0.1591	0.0000	0.1591			0.0000			0.0000
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048	0.0000	3,871.7665	3,871.7665	1.0667		3,898.4344
Total	**3.7190**	**38.3225**	**22.3040**	**0.0388**	**1.0510**	**1.9386**	**2.9896**	**0.1591**	**1.8048**	**1.9640**	**0.0000**	**3,871.7665**	**3,871.7665**	**1.0667**		**3,898.4344**

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	0.1333	4.2901	0.9368	0.0104	0.2134	0.0164	0.2299	0.0590	0.0157	0.0747		1,127.8617	1,127.8617	0.0821		1,129.9129
Vendor	9.5900e-003	0.2457	0.0737	5.1000e-004	0.0120	1.7500e-003	0.0137	3.4800e-003	1.6800e-003	5.1600e-003		54.8300	54.8300	3.9600e-003		54.9289
Worker	0.0917	0.0693	0.7459	1.7800e-003	0.1546	1.4900e-003	0.1560	0.0413	1.3800e-003	0.0426		177.0864	177.0864	6.6600e-003		177.2530
Total	**0.2346**	**4.6050**	**1.7564**	**0.0127**	**0.3800**	**0.0197**	**0.3996**	**0.1037**	**0.0188**	**0.1224**		**1,359.7781**	**1,359.7781**	**0.0927**		**1,362.0948**

3.3 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.6239	3,831.6239	1.1928		3,861.4448
Total	**4.5627**	**48.1988**	**22.4763**	**0.0380**	**18.0663**	**2.5769**	**20.6432**	**9.9307**	**2.3708**	**12.3014**		**3,831.6239**	**3,831.6239**	**1.1928**		**3,861.4448**

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	9.5900e-003	0.2457	0.0737	5.1000e-004	0.0128	1.7500e-003	0.0146	3.6900e-003	1.6800e-003	5.3700e-003		54.8300	54.8300	3.9600e-003		54.9289
Worker	0.1101	0.0831	0.8951	2.1400e-003	0.2012	1.7900e-003	0.2030	0.0534	1.6500e-003	0.0550		212.5037	212.5037	8.0000e-003		212.7036
Total	**0.1197**	**0.3288**	**0.9688**	**2.6500e-003**	**0.2140**	**3.5400e-003**	**0.2176**	**0.0571**	**3.3300e-003**	**0.0604**		**267.3336**	**267.3336**	**0.0120**		**267.6325**

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					6.6936	0.0000	6.6936	3.6793	0.0000	3.6793			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448
Total	**4.5627**	**48.1988**	**22.4763**	**0.0380**	**6.6936**	**2.5769**	**9.2705**	**3.6793**	**2.3708**	**6.0501**	**0.0000**	**3,831.6239**	**3,831.6239**	**1.1928**		**3,861.4448**

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	9.5900e-003	0.2457	0.0737	5.1000e-004	0.0120	1.7500e-003	0.0137	3.4800e-003	1.6800e-003	5.1600e-003		54.8300	54.8300	3.9600e-003		54.9289
Worker	0.1101	0.0831	0.8951	2.1400e-003	0.1855	1.7900e-003	0.1873	0.0495	1.6500e-003	0.0512		212.5037	212.5037	8.0000e-003		212.7036
Total	**0.1197**	**0.3288**	**0.9688**	**2.6500e-003**	**0.1974**	**3.5400e-003**	**0.2010**	**0.0530**	**3.3300e-003**	**0.0563**		**267.3336**	**267.3336**	**0.0120**		**267.6325**

3.4 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.7205	0.0000	8.7205	3.6037	0.0000	3.6037			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230		6,244.4284	6,244.4284	1.9440		6,293.0278
Total	**5.0901**	**59.5218**	**35.0894**	**0.0620**	**8.7205**	**2.6337**	**11.3543**	**3.6037**	**2.4230**	**6.0267**		**6,244.4284**	**6,244.4284**	**1.9440**		**6,293.0278**

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	0.5309	17.0840	3.7305	0.0416	0.9120	0.0654	0.9774	0.2500	0.0625	0.3125		4,491.3578	4,491.3578	0.3267		4,499.5259
Vendor	9.5900e-003	0.2457	0.0737	5.1000e-004	0.0128	1.7500e-003	0.0146	3.6900e-003	1.6800e-003	5.3700e-003		54.8300	54.8300	3.9600e-003		54.9289
Worker	0.1223	0.0923	0.9945	2.3700e-003	0.2236	1.9900e-003	0.2256	0.0593	1.8400e-003	0.0611		236.1152	236.1152	8.8900e-003		236.3373
Total	**0.6628**	**17.4220**	**4.7988**	**0.0445**	**1.1484**	**0.0691**	**1.2175**	**0.3130**	**0.0661**	**0.3790**		**4,782.3030**	**4,782.3030**	**0.3396**		**4,790.7921**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.2310	0.0000	3.2310	1.3352	0.0000	1.3352			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230	0.0000	6,244.4284	6,244.4284	1.9440		6,293.0278
Total	**5.0901**	**59.5218**	**35.0894**	**0.0620**	**3.2310**	**2.6337**	**5.8647**	**1.3352**	**2.4230**	**3.7582**	**0.0000**	**6,244.4284**	**6,244.4284**	**1.9440**		**6,293.0278**

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	0.5309	17.0840	3.7305	0.0416	0.8500	0.0654	0.9153	0.2348	0.0625	0.2973		4,491.3578	4,491.3578	0.3267		4,499.5259

Vendor	9.5900e-003	0.2457	0.0737	5.1000e-004	0.0120	1.7500e-003	0.0137	3.4800e-003	1.6800e-003	5.1600e-003		54.8300	54.8300	3.9600e-003		54.9289
Worker	0.1223	0.0923	0.9945	2.3700e-003	0.2061	1.9900e-003	0.2081	0.0550	1.8400e-003	0.0568		236.1152	236.1152	8.8900e-003		236.3373
Total	**0.6628**	**17.4220**	**4.7988**	**0.0445**	**1.0680**	**0.0691**	**1.1371**	**0.2932**	**0.0661**	**0.3593**		**4,782.3030**	**4,782.3030**	**0.3396**		**4,790.7921**

3.5 Building Construction - 2018

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	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883
Total	**2.6795**	**23.3900**	**17.5804**	**0.0269**		**1.4999**	**1.4999**		**1.4099**	**1.4099**		**2,620.9351**	**2,620.9351**	**0.6421**		**2,636.9883**

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	1.1793	30.2175	9.0611	0.0633	1.5748	0.2159	1.7907	0.4534	0.2065	0.6599		6,744.0865	6,744.0865	0.4866		6,756.2515

Worker	3.5344	2.6687	28.7422	0.0686	6.4607	0.0576	6.5183	1.7134	0.0531	1.7665		6,823.7291	6,823.7291	0.2568		6,830.1492
Total	**4.7137**	**32.8862**	**37.8033**	**0.1319**	**8.0355**	**0.2735**	**8.3090**	**2.1668**	**0.2596**	**2.4264**		**13,567.8156**	**13,567.8156**	**0.7434**		**13,586.4007**

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	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883
Total	**2.6795**	**23.3900**	**17.5804**	**0.0269**		**1.4999**	**1.4999**		**1.4099**	**1.4099**	**0.0000**	**2,620.9351**	**2,620.9351**	**0.6421**		**2,636.9883**

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	1.1793	30.2175	9.0611	0.0633	1.4739	0.2159	1.6897	0.4286	0.2065	0.6351		6,744.0865	6,744.0865	0.4866		6,756.2515
Worker	3.5344	2.6687	28.7422	0.0686	5.9552	0.0576	6.0128	1.5893	0.0531	1.6424		6,823.7291	6,823.7291	0.2568		6,830.1492

Total	**4.7137**	**32.8862**	**37.8033**	**0.1319**	**7.4290**	**0.2735**	**7.7025**	**2.0180**	**0.2596**	**2.2776**		**13,567.8156**	**13,567.8156**	**0.7434**		**13,586.4007**

3.5 Building Construction - 2019

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	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	**2.3612**	**21.0788**	**17.1638**	**0.0269**		**1.2899**	**1.2899**		**1.2127**	**1.2127**		**2,591.5802**	**2,591.5802**	**0.6313**		**2,607.3635**

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	1.0661	28.5077	8.3266	0.0626	1.5749	0.1845	1.7593	0.4534	0.1765	0.6299		6,673.4169	6,673.4169	0.4688		6,685.1370
Worker	3.2008	2.3501	25.5751	0.0663	6.4607	0.0557	6.5164	1.7134	0.0513	1.7647		6,601.5161	6,601.5161	0.2271		6,607.1936
Total	**4.2669**	**30.8577**	**33.9017**	**0.1289**	**8.0355**	**0.2402**	**8.2757**	**2.1668**	**0.2278**	**2.3947**		**13,274.9330**	**13,274.9330**	**0.6959**		**13,292.3306**

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	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	**2.3612**	**21.0788**	**17.1638**	**0.0269**		**1.2899**	**1.2899**		**1.2127**	**1.2127**	**0.0000**	**2,591.5802**	**2,591.5802**	**0.6313**		**2,607.3635**

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	1.0661	28.5077	8.3266	0.0626	1.4739	0.1845	1.6584	0.4286	0.1765	0.6051		6,673.4169	6,673.4169	0.4688		6,685.1370
Worker	3.2008	2.3501	25.5751	0.0663	5.9552	0.0557	6.0109	1.5893	0.0513	1.6407		6,601.5161	6,601.5161	0.2271		6,607.1936
Total	**4.2669**	**30.8577**	**33.9017**	**0.1289**	**7.4290**	**0.2402**	**7.6692**	**2.0180**	**0.2278**	**2.2458**		**13,274.9330**	**13,274.9330**	**0.6959**		**13,292.3306**

3.5 Building Construction - 2020

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	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**2.1198**	**19.1860**	**16.8485**	**0.0269**		**1.1171**	**1.1171**		**1.0503**	**1.0503**		**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

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	0.9147	26.1622	7.5617	0.0621	1.5749	0.1251	1.7000	0.4534	0.1197	0.5731		6,628.4470	6,628.4470	0.4432		6,639.5280
Worker	2.9537	2.0951	23.1784	0.0643	6.4607	0.0540	6.5147	1.7134	0.0498	1.7632		6,400.8898	6,400.8898	0.2018		6,405.9336
Total	**3.8684**	**28.2573**	**30.7401**	**0.1264**	**8.0356**	**0.1791**	**8.2147**	**2.1668**	**0.1695**	**2.3363**		**13,029.3368**	**13,029.3368**	**0.6450**		**13,045.4616**

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	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**2.1198**	**19.1860**	**16.8485**	**0.0269**		**1.1171**	**1.1171**		**1.0503**	**1.0503**	**0.0000**	**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

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	0.9147	26.1622	7.5617	0.0621	1.4739	0.1251	1.5990	0.4287	0.1197	0.5483		6,628.4470	6,628.4470	0.4432		6,639.5280
Worker	2.9537	2.0951	23.1784	0.0643	5.9552	0.0540	6.0092	1.5893	0.0498	1.6391		6,400.8898	6,400.8898	0.2018		6,405.9336
Total	**3.8684**	**28.2573**	**30.7401**	**0.1264**	**7.4291**	**0.1791**	**7.6082**	**2.0180**	**0.1695**	**2.1874**		**13,029.3368**	**13,029.3368**	**0.6450**		**13,045.4616**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

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

Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**		**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

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	0.7850	23.8346	6.9069	0.0616	1.5749	0.0504	1.6253	0.4535	0.0482	0.5017		6,576.6999	6,576.6999	0.4246		6,587.3142
Worker	2.7560	1.8851	21.2852	0.0622	6.4607	0.0522	6.5129	1.7134	0.0481	1.7615		6,197.6113	6,197.6113	0.1824		6,202.1706
Total	**3.5410**	**25.7198**	**28.1921**	**0.1238**	**8.0356**	**0.1026**	**8.1382**	**2.1669**	**0.0963**	**2.2631**		**12,774.3112**	**12,774.3112**	**0.6069**		**12,789.4848**

Mitigated Construction On-Site

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

Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**	**0.0000**	**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

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	0.7850	23.8346	6.9069	0.0616	1.4739	0.0504	1.5243	0.4287	0.0482	0.4769		6,576.6999	6,576.6999	0.4246		6,587.3142
Worker	2.7560	1.8851	21.2852	0.0622	5.9552	0.0522	6.0074	1.5893	0.0481	1.6374		6,197.6113	6,197.6113	0.1824		6,202.1706
Total	**3.5410**	**25.7198**	**28.1921**	**0.1238**	**7.4291**	**0.1026**	**7.5317**	**2.0180**	**0.0963**	**2.1143**		**12,774.3112**	**12,774.3112**	**0.6069**		**12,789.4848**

3.6 Architectural Coating - 2019

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	8.0840					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	**8.3504**	**1.8354**	**1.8413**	**2.9700e-003**		**0.1288**	**0.1288**		**0.1288**	**0.1288**		**281.4481**	**281.4481**	**0.0238**		**282.0423**

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	0.0000	0.0000	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	0.6424	0.4716	5.1327	0.0133	1.2966	0.0112	1.3078	0.3439	0.0103	0.3542		1,324.8717	1,324.8717	0.0456		1,326.0112
Total	**0.6424**	**0.4716**	**5.1327**	**0.0133**	**1.2966**	**0.0112**	**1.3078**	**0.3439**	**0.0103**	**0.3542**		**1,324.8717**	**1,324.8717**	**0.0456**		**1,326.0112**

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	8.0840					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423

Total	**8.3504**	**1.8354**	**1.8413**	**2.9700e-003**		**0.1288**	**0.1288**		**0.1288**	**0.1288**	**0.0000**	**281.4481**	**281.4481**	**0.0238**		**282.0423**

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	0.0000	0.0000	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	0.6424	0.4716	5.1327	0.0133	1.1952	0.0112	1.2063	0.3190	0.0103	0.3293		1,324.8717	1,324.8717	0.0456		1,326.0112
Total	**0.6424**	**0.4716**	**5.1327**	**0.0133**	**1.1952**	**0.0112**	**1.2063**	**0.3190**	**0.0103**	**0.3293**		**1,324.8717**	**1,324.8717**	**0.0456**		**1,326.0112**

3.6 Architectural Coating - 2020

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	8.0840					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	**8.3262**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**		**281.4481**	**281.4481**	**0.0218**		**281.9928**

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	0.0000	0.0000	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	0.5928	0.4205	4.6517	0.0129	1.2966	0.0108	1.3075	0.3439	9.9900e-003	0.3539		1,284.6077	1,284.6077	0.0405		1,285.6199
Total	**0.5928**	**0.4205**	**4.6517**	**0.0129**	**1.2966**	**0.0108**	**1.3075**	**0.3439**	**9.9900e-003**	**0.3539**		**1,284.6077**	**1,284.6077**	**0.0405**		**1,285.6199**

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	8.0840					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
Total	**8.3262**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**	**0.0000**	**281.4481**	**281.4481**	**0.0218**		**281.9928**

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	0.0000	0.0000	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	0.5928	0.4205	4.6517	0.0129	1.1952	0.0108	1.2060	0.3190	9.9900e-003	0.3290		1,284.6077	1,284.6077	0.0405		1,285.6199
Total	**0.5928**	**0.4205**	**4.6517**	**0.0129**	**1.1952**	**0.0108**	**1.2060**	**0.3190**	**9.9900e-003**	**0.3290**		**1,284.6077**	**1,284.6077**	**0.0405**		**1,285.6199**

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.0840					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	**8.3029**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.9309**

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	0.0000	0.0000	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	0.5531	0.3783	4.2718	0.0125	1.2966	0.0105	1.3071	0.3439	9.6500e-003	0.3535		1,243.8113	1,243.8113	0.0366		1,244.7263
Total	**0.5531**	**0.3783**	**4.2718**	**0.0125**	**1.2966**	**0.0105**	**1.3071**	**0.3439**	**9.6500e-003**	**0.3535**		**1,243.8113**	**1,243.8113**	**0.0366**		**1,244.7263**

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	8.0840					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	**8.3029**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.9309**

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	0.0000	0.0000	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	0.5531	0.3783	4.2718	0.0125	1.1952	0.0105	1.2056	0.3190	9.6500e-003	0.3286		1,243.8113	1,243.8113	0.0366		1,244.7263
Total	**0.5531**	**0.3783**	**4.2718**	**0.0125**	**1.1952**	**0.0105**	**1.2056**	**0.3190**	**9.6500e-003**	**0.3286**		**1,243.8113**	**1,243.8113**	**0.0366**		**1,244.7263**

3.7 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.4212					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.6767**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**		**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

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	0.0000	0.0000	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	0.0715	0.0489	0.5524	1.6100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		160.8377	160.8377	4.7300e-003		160.9560
Total	**0.0715**	**0.0489**	**0.5524**	**1.6100e-003**	**0.1677**	**1.3500e-003**	**0.1690**	**0.0445**	**1.2500e-003**	**0.0457**		**160.8377**	**160.8377**	**4.7300e-003**		**160.9560**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.4212					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.6767**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**	**0.0000**	**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

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	0.0000	0.0000	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	0.0715	0.0489	0.5524	1.6100e-003	0.1546	1.3500e-003	0.1559	0.0413	1.2500e-003	0.0425		160.8377	160.8377	4.7300e-003		160.9560
Total	**0.0715**	**0.0489**	**0.5524**	**1.6100e-003**	**0.1546**	**1.3500e-003**	**0.1559**	**0.0413**	**1.2500e-003**	**0.0425**		**160.8377**	**160.8377**	**4.7300e-003**		**160.9560**

Phase 1 Construction

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	280.00	1000sqft	1.86	280,000.00	0
Medical Office Building	60.00	1000sqft	0.78	60,000.00	0
Research & Development	180.00	1000sqft	1.46	180,000.00	0
Enclosed Parking with Elevator	1,750.00	Space	3.05	700,000.00	0
Parking Lot	6.43	Acre	6.43	279,900.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2020
Utility Company	Austin Energy				
CO2 Intensity (lb/MWhr)	1083.07	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on information provided by the Applicant.

Construction Phase - Based on information provided by the applicant.

Trips and VMT - Assumes 1 water truck and 2 trips per day per truck.

Demolition -

Grading -

Construction Off-road Equipment Mitigation - Per SCAQMD Rules 403 and 1186.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstructionPhase	NumDays	20.00	630.00
tblConstructionPhase	NumDays	300.00	650.00
tblConstructionPhase	NumDays	20.00	60.00
tblConstructionPhase	NumDays	30.00	60.00
tblConstructionPhase	NumDays	20.00	40.00
tblConstructionPhase	NumDays	10.00	30.00
tblConstructionPhase	PhaseEndDate	8/18/2023	12/24/2021
tblConstructionPhase	PhaseStartDate	3/20/2021	7/28/2019
tblConstructionPhase	PhaseStartDate	5/5/2018	5/7/2018
tblConstructionPhase	PhaseStartDate	3/24/2018	3/26/2018
tblFleetMix	FleetMixLandUseSubType	Hospital	Enclosed Parking with Elevator
tblFleetMix	FleetMixLandUseSubType	Medical Office Building	Hospital
tblFleetMix	FleetMixLandUseSubType	Research & Development	Medical Office Building
tblFleetMix	FleetMixLandUseSubType	Enclosed Parking with Elevator	Parking Lot
tblFleetMix	FleetMixLandUseSubType	Parking Lot	Research & Development
tblGrading	MaterialExported	0.00	25,042.00
tblLandUse	BuildingSpaceSquareFeet	280,090.80	279,900.00
tblLandUse	LandUseSquareFeet	280,090.80	279,900.00
tblLandUse	LotAcreage	6.43	1.86
tblLandUse	LotAcreage	1.38	0.78

tblLandUse	LotAcreage	4.13	1.46
tblLandUse	LotAcreage	15.75	3.05
tblProjectCharacteristics	OperationalYear	2018	2020
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	0.7508	7.4973	5.3583	0.0143	1.1043	0.2768	1.3811	0.4015	0.2575	0.6590	0.0000	1,326.2600	1,326.2600	0.1790	0.0000	1,330.7346
2019	1.3220	6.9875	7.0994	0.0215	1.0999	0.2073	1.3072	0.2968	0.1956	0.4924	0.0000	1,986.8543	1,986.8543	0.1592	0.0000	1,990.8345
2020	1.9050	6.5645	7.1347	0.0225	1.1992	0.1856	1.3848	0.3232	0.1755	0.4987	0.0000	2,065.9856	2,065.9856	0.1567	0.0000	2,069.9042
2021	1.2027	0.8537	1.4587	3.7200e-003	0.2291	0.0355	0.2645	0.0611	0.0338	0.0949	0.0000	335.2988	335.2988	0.0284	0.0000	336.0087
Maximum	**1.9050**	**7.4973**	**7.1347**	**0.0225**	**1.1992**	**0.2768**	**1.3848**	**0.4015**	**0.2575**	**0.6590**	**0.0000**	**2,065.9856**	**2,065.9856**	**0.1790**	**0.0000**	**2,069.9042**

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					
2018	0.7508	7.4973	5.3583	0.0143	0.6791	0.2768	0.9559	0.2226	0.2575	0.4802	0.0000	1,326.2594	1,326.2594	0.1790	0.0000	1,330.7341
2019	1.3220	6.9875	7.0994	0.0215	1.0170	0.2073	1.2243	0.2765	0.1956	0.4720	0.0000	1,986.8539	1,986.8539	0.1592	0.0000	1,990.8341
2020	1.9050	6.5645	7.1347	0.0225	1.1086	0.1856	1.2942	0.3009	0.1755	0.4764	0.0000	2,065.9852	2,065.9852	0.1567	0.0000	2,069.9038
2021	1.2027	0.8537	1.4587	3.7200e-003	0.2114	0.0355	0.2468	0.0568	0.0338	0.0905	0.0000	335.2987	335.2987	0.0284	0.0000	336.0086
Maximum	**1.9050**	**7.4973**	**7.1347**	**0.0225**	**1.1086**	**0.2768**	**1.2942**	**0.3009**	**0.2575**	**0.4802**	**0.0000**	**2,065.9852**	**2,065.9852**	**0.1790**	**0.0000**	**2,069.9038**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**16.97**	**0.00**	**14.21**	**20.86**	**0.00**	**12.94**	**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	**1-1-2018**	**3-31-2018**	1.4870	1.4870
2	**4-1-2018**	**6-30-2018**	2.2651	2.2651
3	**7-1-2018**	**9-30-2018**	2.2563	2.2563
4	**10-1-2018**	**12-31-2018**	2.0920	2.0920
5	**1-1-2019**	**3-31-2019**	1.8824	1.8824
6	**4-1-2019**	**6-30-2019**	1.8831	1.8831
7	**7-1-2019**	**9-30-2019**	2.1636	2.1636
8	**10-1-2019**	**12-31-2019**	2.2955	2.2955
9	**1-1-2020**	**3-31-2020**	2.0948	2.0948
10	**4-1-2020**	**6-30-2020**	2.0743	2.0743
11	**7-1-2020**	**9-30-2020**	2.0971	2.0971
12	**10-1-2020**	**12-31-2020**	2.1178	2.1178

13	**1-1-2021**	**3-31-2021**	1.0220	1.0220
14	**4-1-2021**	**6-30-2021**	0.3467	0.3467
15	**7-1-2021**	**9-30-2021**	0.3505	0.3505
		Highest	2.2955	2.2955

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2018	3/23/2018	5	60	
2	Site Preparation	Site Preparation	3/26/2018	5/4/2018	5	30	
3	Grading	Grading	5/7/2018	7/27/2018	5	60	
4	Building Construction	Building Construction	7/28/2018	1/22/2021	5	650	
5	Architectural Coating	Architectural Coating	7/28/2019	12/24/2021	5	630	
6	Paving	Paving	1/23/2021	3/19/2021	5	40	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 150

Acres of Paving: 9.48

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 780,000; Non-Residential Outdoor: 260,000; Striped Parking

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40

Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	2.00	786.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	2.00	3,130.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	578.00	246.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	116.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 2018

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					0.0851	0.0000	0.0851	0.0129	0.0000	0.0129	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1116	1.1497	0.6691	1.1600e-003		0.0582	0.0582		0.0541	0.0541	0.0000	105.3722	105.3722	0.0290	0.0000	106.0980
Total	**0.1116**	**1.1497**	**0.6691**	**1.1600e-003**	**0.0851**	**0.0582**	**0.1433**	**0.0129**	**0.0541**	**0.0670**	**0.0000**	**105.3722**	**105.3722**	**0.0290**	**0.0000**	**106.0980**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.9400e-003	0.1313	0.0271	3.2000e-004	6.7500e-003	4.9000e-004	7.2400e-003	1.8500e-003	4.7000e-004	2.3200e-003	0.0000	30.9983	30.9983	2.1900e-003	0.0000	31.0530
Vendor	2.8000e-004	7.5100e-003	2.1100e-003	2.0000e-005	3.8000e-004	5.0000e-005	4.3000e-004	1.1000e-004	5.0000e-005	1.6000e-004	0.0000	1.5160	1.5160	1.0000e-004	0.0000	1.5186

Worker	2.4900e-003	2.1300e-003	0.0229	5.0000e-005	4.9300e-003	4.0000e-005	4.9800e-003	1.3100e-003	4.0000e-005	1.3500e-003	0.0000	4.8996	4.8996	1.8000e-004	0.0000	4.9042
Total	**6.7100e-003**	**0.1409**	**0.0521**	**3.9000e-004**	**0.0121**	**5.8000e-004**	**0.0127**	**3.2700e-003**	**5.6000e-004**	**3.8300e-003**	**0.0000**	**37.4139**	**37.4139**	**2.4700e-003**	**0.0000**	**37.4758**

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					0.0315	0.0000	0.0315	4.7700e-003	0.0000	4.7700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1116	1.1497	0.6691	1.1600e-003		0.0582	0.0582		0.0541	0.0541	0.0000	105.3721	105.3721	0.0290	0.0000	106.0979
Total	**0.1116**	**1.1497**	**0.6691**	**1.1600e-003**	**0.0315**	**0.0582**	**0.0897**	**4.7700e-003**	**0.0541**	**0.0589**	**0.0000**	**105.3721**	**105.3721**	**0.0290**	**0.0000**	**106.0979**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.9400e-003	0.1313	0.0271	3.2000e-004	6.3000e-003	4.9000e-004	6.7800e-003	1.7400e-003	4.7000e-004	2.2100e-003	0.0000	30.9983	30.9983	2.1900e-003	0.0000	31.0530
Vendor	2.8000e-004	7.5100e-003	2.1100e-003	2.0000e-005	3.5000e-004	5.0000e-005	4.1000e-004	1.0000e-004	5.0000e-005	1.5000e-004	0.0000	1.5160	1.5160	1.0000e-004	0.0000	1.5186
Worker	2.4900e-003	2.1300e-003	0.0229	5.0000e-005	4.5500e-003	4.0000e-005	4.5900e-003	1.2200e-003	4.0000e-005	1.2600e-003	0.0000	4.8996	4.8996	1.8000e-004	0.0000	4.9042

Total	**6.7100e-003**	**0.1409**	**0.0521**	**3.9000e-004**	**0.0112**	**5.8000e-004**	**0.0118**	**3.0600e-003**	**5.6000e-004**	**3.6200e-003**	**0.0000**	**37.4139**	**37.4139**	**2.4700e-003**	**0.0000**	**37.4758**

3.3 Site Preparation - 2018

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					0.2710	0.0000	0.2710	0.1490	0.0000	0.1490	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0684	0.7230	0.3371	5.7000e-004		0.0387	0.0387		0.0356	0.0356	0.0000	52.1399	52.1399	0.0162	0.0000	52.5457
Total	**0.0684**	**0.7230**	**0.3371**	**5.7000e-004**	**0.2710**	**0.0387**	**0.3096**	**0.1490**	**0.0356**	**0.1845**	**0.0000**	**52.1399**	**52.1399**	**0.0162**	**0.0000**	**52.5457**

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	1.4000e-004	3.7600e-003	1.0600e-003	1.0000e-005	1.9000e-004	3.0000e-005	2.2000e-004	5.0000e-005	2.0000e-005	8.0000e-005	0.0000	0.7580	0.7580	5.0000e-005	0.0000	0.7593
Worker	1.5000e-003	1.2800e-003	0.0138	3.0000e-005	2.9600e-003	3.0000e-005	2.9900e-003	7.9000e-004	2.0000e-005	8.1000e-004	0.0000	2.9398	2.9398	1.1000e-004	0.0000	2.9425
Total	**1.6400e-003**	**5.0400e-003**	**0.0148**	**4.0000e-005**	**3.1500e-003**	**6.0000e-005**	**3.2100e-003**	**8.4000e-004**	**4.0000e-005**	**8.9000e-004**	**0.0000**	**3.6978**	**3.6978**	**1.6000e-004**	**0.0000**	**3.7018**

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					0.1004	0.0000	0.1004	0.0552	0.0000	0.0552	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0684	0.7230	0.3371	5.7000e-004		0.0387	0.0387		0.0356	0.0356	0.0000	52.1398	52.1398	0.0162	0.0000	52.5456
Total	**0.0684**	**0.7230**	**0.3371**	**5.7000e-004**	**0.1004**	**0.0387**	**0.1391**	**0.0552**	**0.0356**	**0.0908**	**0.0000**	**52.1398**	**52.1398**	**0.0162**	**0.0000**	**52.5456**

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	1.4000e-004	3.7600e-003	1.0600e-003	1.0000e-005	1.8000e-004	3.0000e-005	2.0000e-004	5.0000e-005	2.0000e-005	8.0000e-005	0.0000	0.7580	0.7580	5.0000e-005	0.0000	0.7593
Worker	1.5000e-003	1.2800e-003	0.0138	3.0000e-005	2.7300e-003	3.0000e-005	2.7500e-003	7.3000e-004	2.0000e-005	7.5000e-004	0.0000	2.9398	2.9398	1.1000e-004	0.0000	2.9425
Total	**1.6400e-003**	**5.0400e-003**	**0.0148**	**4.0000e-005**	**2.9100e-003**	**6.0000e-005**	**2.9500e-003**	**7.8000e-004**	**4.0000e-005**	**8.3000e-004**	**0.0000**	**3.6978**	**3.6978**	**1.6000e-004**	**0.0000**	**3.7018**

3.4 Grading - 2018

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					0.2616	0.0000	0.2616	0.1081	0.0000	0.1081	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1527	1.7857	1.0527	1.8600e-003		0.0790	0.0790		0.0727	0.0727	0.0000	169.9455	169.9455	0.0529	0.0000	171.2682
Total	**0.1527**	**1.7857**	**1.0527**	**1.8600e-003**	**0.2616**	**0.0790**	**0.3406**	**0.1081**	**0.0727**	**0.1808**	**0.0000**	**169.9455**	**169.9455**	**0.0529**	**0.0000**	**171.2682**

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	0.0157	0.5227	0.1078	1.2600e-003	0.0269	1.9400e-003	0.0288	7.3900e-003	1.8600e-003	9.2400e-003	0.0000	123.4412	123.4412	8.7100e-003	0.0000	123.6589
Vendor	2.8000e-004	7.5100e-003	2.1100e-003	2.0000e-005	3.8000e-004	5.0000e-005	4.3000e-004	1.1000e-004	5.0000e-005	1.6000e-004	0.0000	1.5160	1.5160	1.0000e-004	0.0000	1.5186
Worker	3.3200e-003	2.8400e-003	0.0306	7.0000e-005	6.5700e-003	6.0000e-005	6.6300e-003	1.7500e-003	6.0000e-005	1.8000e-003	0.0000	6.5328	6.5328	2.5000e-004	0.0000	6.5389
Total	**0.0193**	**0.5330**	**0.1405**	**1.3500e-003**	**0.0338**	**2.0500e-003**	**0.0359**	**9.2500e-003**	**1.9700e-003**	**0.0112**	**0.0000**	**131.4900**	**131.4900**	**9.0600e-003**	**0.0000**	**131.7164**

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					0.0969	0.0000	0.0969	0.0401	0.0000	0.0401	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1527	1.7857	1.0527	1.8600e-003		0.0790	0.0790		0.0727	0.0727	0.0000	169.9453	169.9453	0.0529	0.0000	171.2680
Total	**0.1527**	**1.7857**	**1.0527**	**1.8600e-003**	**0.0969**	**0.0790**	**0.1759**	**0.0401**	**0.0727**	**0.1127**	**0.0000**	**169.9453**	**169.9453**	**0.0529**	**0.0000**	**171.2680**

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	0.0157	0.5227	0.1078	1.2600e-003	0.0251	1.9400e-003	0.0270	6.9400e-003	1.8600e-003	8.7900e-003	0.0000	123.4412	123.4412	8.7100e-003	0.0000	123.6589
Vendor	2.8000e-004	7.5100e-003	2.1100e-003	2.0000e-005	3.5000e-004	5.0000e-005	4.1000e-004	1.0000e-004	5.0000e-005	1.5000e-004	0.0000	1.5160	1.5160	1.0000e-004	0.0000	1.5186
Worker	3.3200e-003	2.8400e-003	0.0306	7.0000e-005	6.0600e-003	6.0000e-005	6.1200e-003	1.6200e-003	6.0000e-005	1.6800e-003	0.0000	6.5328	6.5328	2.5000e-004	0.0000	6.5389
Total	**0.0193**	**0.5330**	**0.1405**	**1.3500e-003**	**0.0315**	**2.0500e-003**	**0.0335**	**8.6600e-003**	**1.9700e-003**	**0.0106**	**0.0000**	**131.4900**	**131.4900**	**9.0600e-003**	**0.0000**	**131.7164**

3.5 Building Construction - 2018

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	0.1487	1.2982	0.9757	1.4900e-003		0.0832	0.0832		0.0783	0.0783	0.0000	131.9608	131.9608	0.0323	0.0000	132.7691
Total	**0.1487**	**1.2982**	**0.9757**	**1.4900e-003**		**0.0832**	**0.0832**		**0.0783**	**0.0783**	**0.0000**	**131.9608**	**131.9608**	**0.0323**	**0.0000**	**132.7691**

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	0.0640	1.7098	0.4807	3.5700e-003	0.0860	0.0119	0.0979	0.0248	0.0114	0.0362	0.0000	344.9655	344.9655	0.0237	0.0000	345.5570
Worker	0.1778	0.1521	1.6355	3.8700e-003	0.3515	3.2000e-003	0.3547	0.0934	2.9500e-003	0.0963	0.0000	349.2745	349.2745	0.0131	0.0000	349.6028
Total	**0.2417**	**1.8619**	**2.1162**	**7.4400e-003**	**0.4375**	**0.0151**	**0.4526**	**0.1182**	**0.0143**	**0.1325**	**0.0000**	**694.2400**	**694.2400**	**0.0368**	**0.0000**	**695.1598**

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	0.1487	1.2981	0.9757	1.4900e-003		0.0832	0.0832		0.0783	0.0783	0.0000	131.9607	131.9607	0.0323	0.0000	132.7689
Total	**0.1487**	**1.2981**	**0.9757**	**1.4900e-003**		**0.0832**	**0.0832**		**0.0783**	**0.0783**	**0.0000**	**131.9607**	**131.9607**	**0.0323**	**0.0000**	**132.7689**

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	0.0640	1.7098	0.4807	3.5700e-003	0.0805	0.0119	0.0924	0.0235	0.0114	0.0348	0.0000	344.9655	344.9655	0.0237	0.0000	345.5570
Worker	0.1778	0.1521	1.6355	3.8700e-003	0.3241	3.2000e-003	0.3273	0.0866	2.9500e-003	0.0896	0.0000	349.2745	349.2745	0.0131	0.0000	349.6028
Total	**0.2417**	**1.8619**	**2.1162**	**7.4400e-003**	**0.4046**	**0.0151**	**0.4197**	**0.1101**	**0.0143**	**0.1244**	**0.0000**	**694.2400**	**694.2400**	**0.0368**	**0.0000**	**695.1598**

3.5 Building Construction - 2019

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	0.3081	2.7508	2.2399	3.5100e-003		0.1683	0.1683		0.1583	0.1583	0.0000	306.8110	306.8110	0.0747	0.0000	308.6795

Total	**0.3081**	**2.7508**	**2.2399**	**3.5100e-003**		**0.1683**	**0.1683**		**0.1583**	**0.1583**	**0.0000**	**306.8110**	**306.8110**	**0.0747**	**0.0000**	**308.6795**

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	0.1359	3.7920	1.0371	8.3000e-003	0.2022	0.0239	0.2261	0.0584	0.0228	0.0812	0.0000	802.7821	802.7821	0.0536	0.0000	804.1217
Worker	0.3778	0.3149	3.4244	8.8000e-003	0.8266	7.2700e-003	0.8338	0.2195	6.7000e-003	0.2262	0.0000	794.5369	794.5369	0.0273	0.0000	795.2199
Total	**0.5137**	**4.1069**	**4.4615**	**0.0171**	**1.0288**	**0.0311**	**1.0599**	**0.2779**	**0.0295**	**0.3074**	**0.0000**	**1,597.3190**	**1,597.3190**	**0.0809**	**0.0000**	**1,599.3417**

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	0.3081	2.7508	2.2399	3.5100e-003		0.1683	0.1683		0.1583	0.1583	0.0000	306.8106	306.8106	0.0747	0.0000	308.6792
Total	**0.3081**	**2.7508**	**2.2399**	**3.5100e-003**		**0.1683**	**0.1683**		**0.1583**	**0.1583**	**0.0000**	**306.8106**	**306.8106**	**0.0747**	**0.0000**	**308.6792**

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	0.1359	3.7920	1.0371	8.3000e-003	0.1893	0.0239	0.2132	0.0552	0.0228	0.0780	0.0000	802.7821	802.7821	0.0536	0.0000	804.1217
Worker	0.3778	0.3149	3.4244	8.8000e-003	0.7621	7.2700e-003	0.7693	0.2037	6.7000e-003	0.2104	0.0000	794.5369	794.5369	0.0273	0.0000	795.2199
Total	**0.5137**	**4.1069**	**4.4615**	**0.0171**	**0.9514**	**0.0311**	**0.9825**	**0.2589**	**0.0295**	**0.2884**	**0.0000**	**1,597.3190**	**1,597.3190**	**0.0809**	**0.0000**	**1,599.3417**

3.5 Building Construction - 2020

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	0.2777	2.5134	2.2072	3.5300e-003		0.1463	0.1463		0.1376	0.1376	0.0000	303.4091	303.4091	0.0740	0.0000	305.2596
Total	**0.2777**	**2.5134**	**2.2072**	**3.5300e-003**		**0.1463**	**0.1463**		**0.1376**	**0.1376**	**0.0000**	**303.4091**	**303.4091**	**0.0740**	**0.0000**	**305.2596**

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	0.1169	3.4922	0.9453	8.2700e-003	0.2030	0.0162	0.2192	0.0586	0.0155	0.0741	0.0000	800.5783	800.5783	0.0509	0.0000	801.8501
Worker	0.3495	0.2819	3.1168	8.5600e-003	0.8297	7.0700e-003	0.8368	0.2204	6.5200e-003	0.2269	0.0000	773.3462	773.3462	0.0244	0.0000	773.9555
Total	**0.4664**	**3.7740**	**4.0621**	**0.0168**	**1.0327**	**0.0233**	**1.0560**	**0.2790**	**0.0221**	**0.3010**	**0.0000**	**1,573.9245**	**1,573.9245**	**0.0752**	**0.0000**	**1,575.8055**

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	0.2777	2.5134	2.2072	3.5300e-003		0.1463	0.1463		0.1376	0.1376	0.0000	303.4087	303.4087	0.0740	0.0000	305.2592
Total	**0.2777**	**2.5134**	**2.2072**	**3.5300e-003**		**0.1463**	**0.1463**		**0.1376**	**0.1376**	**0.0000**	**303.4087**	**303.4087**	**0.0740**	**0.0000**	**305.2592**

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	0.1169	3.4922	0.9453	8.2700e-003	0.1901	0.0162	0.2063	0.0554	0.0155	0.0710	0.0000	800.5783	800.5783	0.0509	0.0000	801.8501
Worker	0.3495	0.2819	3.1168	8.5600e-003	0.7650	7.0700e-003	0.7721	0.2045	6.5200e-003	0.2110	0.0000	773.3462	773.3462	0.0244	0.0000	773.9555
Total	**0.4664**	**3.7740**	**4.0621**	**0.0168**	**0.9551**	**0.0233**	**0.9784**	**0.2599**	**0.0221**	**0.2820**	**0.0000**	**1,573.9245**	**1,573.9245**	**0.0752**	**0.0000**	**1,575.8055**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0152	0.1395	0.1326	2.2000e-004		7.6700e-003	7.6700e-003		7.2100e-003	7.2100e-003	0.0000	18.5310	18.5310	4.4700e-003	0.0000	18.6428
Total	**0.0152**	**0.1395**	**0.1326**	**2.2000e-004**		**7.6700e-003**	**7.6700e-003**		**7.2100e-003**	**7.2100e-003**	**0.0000**	**18.5310**	**18.5310**	**4.4700e-003**	**0.0000**	**18.6428**

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	6.1100e-003	0.1942	0.0527	5.0000e-004	0.0124	4.0000e-004	0.0128	3.5800e-003	3.8000e-004	3.9600e-003	0.0000	48.5105	48.5105	2.9800e-003	0.0000	48.5849
Worker	0.0199	0.0155	0.1749	5.1000e-004	0.0507	4.2000e-004	0.0511	0.0135	3.8000e-004	0.0138	0.0000	45.7275	45.7275	1.3500e-003	0.0000	45.7612
Total	**0.0260**	**0.2097**	**0.2275**	**1.0100e-003**	**0.0631**	**8.2000e-004**	**0.0639**	**0.0170**	**7.6000e-004**	**0.0178**	**0.0000**	**94.2381**	**94.2381**	**4.3300e-003**	**0.0000**	**94.3461**

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	0.0152	0.1395	0.1326	2.2000e-004		7.6700e-003	7.6700e-003		7.2100e-003	7.2100e-003	0.0000	18.5310	18.5310	4.4700e-003	0.0000	18.6427
Total	**0.0152**	**0.1395**	**0.1326**	**2.2000e-004**		**7.6700e-003**	**7.6700e-003**		**7.2100e-003**	**7.2100e-003**	**0.0000**	**18.5310**	**18.5310**	**4.4700e-003**	**0.0000**	**18.6427**

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	6.1100e-003	0.1942	0.0527	5.0000e-004	0.0116	4.0000e-004	0.0120	3.3800e-003	3.8000e-004	3.7600e-003	0.0000	48.5105	48.5105	2.9800e-003	0.0000	48.5849
Worker	0.0199	0.0155	0.1749	5.1000e-004	0.0467	4.2000e-004	0.0471	0.0125	3.8000e-004	0.0129	0.0000	45.7275	45.7275	1.3500e-003	0.0000	45.7612
Total	**0.0260**	**0.2097**	**0.2275**	**1.0100e-003**	**0.0583**	**8.2000e-004**	**0.0591**	**0.0159**	**7.6000e-004**	**0.0166**	**0.0000**	**94.2381**	**94.2381**	**4.3300e-003**	**0.0000**	**94.3461**

3.6 Architectural Coating - 2019

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	0.4527					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0149	0.1028	0.1031	1.7000e-004		7.2100e-003	7.2100e-003		7.2100e-003	7.2100e-003	0.0000	14.2982	14.2982	1.2100e-003	0.0000	14.3284
Total	**0.4676**	**0.1028**	**0.1031**	**1.7000e-004**		**7.2100e-003**	**7.2100e-003**		**7.2100e-003**	**7.2100e-003**	**0.0000**	**14.2982**	**14.2982**	**1.2100e-003**	**0.0000**	**14.3284**

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	0.0325	0.0271	0.2949	7.6000e-004	0.0712	6.3000e-004	0.0718	0.0189	5.8000e-004	0.0195	0.0000	68.4261	68.4261	2.3500e-003	0.0000	68.4849
Total	**0.0325**	**0.0271**	**0.2949**	**7.6000e-004**	**0.0712**	**6.3000e-004**	**0.0718**	**0.0189**	**5.8000e-004**	**0.0195**	**0.0000**	**68.4261**	**68.4261**	**2.3500e-003**	**0.0000**	**68.4849**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4527					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0149	0.1028	0.1031	1.7000e-004		7.2100e-003	7.2100e-003		7.2100e-003	7.2100e-003	0.0000	14.2982	14.2982	1.2100e-003	0.0000	14.3284
Total	**0.4676**	**0.1028**	**0.1031**	**1.7000e-004**		**7.2100e-003**	**7.2100e-003**		**7.2100e-003**	**7.2100e-003**	**0.0000**	**14.2982**	**14.2982**	**1.2100e-003**	**0.0000**	**14.3284**

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	0.0325	0.0271	0.2949	7.6000e-004	0.0656	6.3000e-004	0.0663	0.0175	5.8000e-004	0.0181	0.0000	68.4261	68.4261	2.3500e-003	0.0000	68.4849
Total	**0.0325**	**0.0271**	**0.2949**	**7.6000e-004**	**0.0656**	**6.3000e-004**	**0.0663**	**0.0175**	**5.8000e-004**	**0.0181**	**0.0000**	**68.4261**	**68.4261**	**2.3500e-003**	**0.0000**	**68.4849**

3.6 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.0590					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0317	0.2206	0.2399	3.9000e-004		0.0145	0.0145		0.0145	0.0145	0.0000	33.4476	33.4476	2.5900e-003	0.0000	33.5124
Total	**1.0907**	**0.2206**	**0.2399**	**3.9000e-004**		**0.0145**	**0.0145**		**0.0145**	**0.0145**	**0.0000**	**33.4476**	**33.4476**	**2.5900e-003**	**0.0000**	**33.5124**

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	0.0702	0.0566	0.6255	1.7200e-003	0.1665	1.4200e-003	0.1679	0.0442	1.3100e-003	0.0455	0.0000	155.2044	155.2044	4.8900e-003	0.0000	155.3267
Total	**0.0702**	**0.0566**	**0.6255**	**1.7200e-003**	**0.1665**	**1.4200e-003**	**0.1679**	**0.0442**	**1.3100e-003**	**0.0455**	**0.0000**	**155.2044**	**155.2044**	**4.8900e-003**	**0.0000**	**155.3267**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.0590					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0317	0.2206	0.2399	3.9000e-004		0.0145	0.0145		0.0145	0.0145	0.0000	33.4476	33.4476	2.5900e-003	0.0000	33.5123
Total	**1.0907**	**0.2206**	**0.2399**	**3.9000e-004**		**0.0145**	**0.0145**		**0.0145**	**0.0145**	**0.0000**	**33.4476**	**33.4476**	**2.5900e-003**	**0.0000**	**33.5123**

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	0.0702	0.0566	0.6255	1.7200e-003	0.1535	1.4200e-003	0.1550	0.0410	1.3100e-003	0.0424	0.0000	155.2044	155.2044	4.8900e-003	0.0000	155.3267

Total	**0.0702**	**0.0566**	**0.6255**	**1.7200e-003**	**0.1535**	**1.4200e-003**	**0.1550**	**0.0410**	**1.3100e-003**	**0.0424**	**0.0000**	**155.2044**	**155.2044**	**4.8900e-003**	**0.0000**	**155.3267**

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.0348					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0280	0.1954	0.2327	3.8000e-004		0.0120	0.0120		0.0120	0.0120	0.0000	32.6817	32.6817	2.2400e-003	0.0000	32.7377
Total	**1.0628**	**0.1954**	**0.2327**	**3.8000e-004**		**0.0120**	**0.0120**		**0.0120**	**0.0120**	**0.0000**	**32.6817**	**32.6817**	**2.2400e-003**	**0.0000**	**32.7377**

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	0.0639	0.0497	0.5615	1.6200e-003	0.1627	1.3400e-003	0.1641	0.0432	1.2400e-003	0.0445	0.0000	146.8344	146.8344	4.3200e-003	0.0000	146.9424
Total	**0.0639**	**0.0497**	**0.5615**	**1.6200e-003**	**0.1627**	**1.3400e-003**	**0.1641**	**0.0432**	**1.2400e-003**	**0.0445**	**0.0000**	**146.8344**	**146.8344**	**4.3200e-003**	**0.0000**	**146.9424**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.0348					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0280	0.1954	0.2327	3.8000e-004		0.0120	0.0120		0.0120	0.0120	0.0000	32.6816	32.6816	2.2400e-003	0.0000	32.7377
Total	**1.0628**	**0.1954**	**0.2327**	**3.8000e-004**		**0.0120**	**0.0120**		**0.0120**	**0.0120**	**0.0000**	**32.6816**	**32.6816**	**2.2400e-003**	**0.0000**	**32.7377**

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	0.0639	0.0497	0.5615	1.6200e-003	0.1500	1.3400e-003	0.1514	0.0401	1.2400e-003	0.0413	0.0000	146.8344	146.8344	4.3200e-003	0.0000	146.9424
Total	**0.0639**	**0.0497**	**0.5615**	**1.6200e-003**	**0.1500**	**1.3400e-003**	**0.1514**	**0.0401**	**1.2400e-003**	**0.0413**	**0.0000**	**146.8344**	**146.8344**	**4.3200e-003**	**0.0000**	**146.9424**

3.7 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0251	0.2584	0.2931	4.6000e-004		0.0136	0.0136		0.0125	0.0125	0.0000	40.0470	40.0470	0.0130	0.0000	40.3708
Paving	8.4200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0335**	**0.2584**	**0.2931**	**4.6000e-004**		**0.0136**	**0.0136**		**0.0125**	**0.0125**	**0.0000**	**40.0470**	**40.0470**	**0.0130**	**0.0000**	**40.3708**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2900e-003	1.0000e-003	0.0113	3.0000e-005	3.2900e-003	3.0000e-005	3.3100e-003	8.7000e-004	2.0000e-005	9.0000e-004	0.0000	2.9668	2.9668	9.0000e-005	0.0000	2.9689
Total	**1.2900e-003**	**1.0000e-003**	**0.0113**	**3.0000e-005**	**3.2900e-003**	**3.0000e-005**	**3.3100e-003**	**8.7000e-004**	**2.0000e-005**	**9.0000e-004**	**0.0000**	**2.9668**	**2.9668**	**9.0000e-005**	**0.0000**	**2.9689**

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	0.0251	0.2584	0.2931	4.6000e-004		0.0136	0.0136		0.0125	0.0125	0.0000	40.0469	40.0469	0.0130	0.0000	40.3707
Paving	8.4200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0335**	**0.2584**	**0.2931**	**4.6000e-004**		**0.0136**	**0.0136**		**0.0125**	**0.0125**	**0.0000**	**40.0469**	**40.0469**	**0.0130**	**0.0000**	**40.3707**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2900e-003	1.0000e-003	0.0113	3.0000e-005	3.0300e-003	3.0000e-005	3.0600e-003	8.1000e-004	2.0000e-005	8.4000e-004	0.0000	2.9668	2.9668	9.0000e-005	0.0000	2.9689
Total	**1.2900e-003**	**1.0000e-003**	**0.0113**	**3.0000e-005**	**3.0300e-003**	**3.0000e-005**	**3.0600e-003**	**8.1000e-004**	**2.0000e-005**	**8.4000e-004**	**0.0000**	**2.9668**	**2.9668**	**9.0000e-005**	**0.0000**	**2.9689**

Phase 1 Construction

Los Angeles-South Coast, Summary Report

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	280.00	1000sqft	1.86	280,000.00	0
Medical Office Building	60.00	1000sqft	0.78	60,000.00	0
Research & Development	180.00	1000sqft	1.46	180,000.00	0
Enclosed Parking with Elevator	1,750.00	Space	3.05	700,000.00	0
Parking Lot	6.43	Acre	6.43	279,900.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2020
Utility Company	Austin Energy				
CO2 Intensity (lb/MWhr)	1083.07	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments

Only CalEEMod defaults were used.

Project Characteristics -

Land Use - Based on information provided by the Applicant.

Construction Phase - Based on information provided by the applicant.

Trips and VMT - Assumes 1 water truck and 2 trips per day per truck.

Demolition -

Grading -

Construction Off-road Equipment Mitigation - Per SCAQMD Rules 403 and 1186.

2.0 Peak Daily Emissions

Peak Daily Construction Emissions

Peak Daily Construction Emissions

		Unmitigated						Mitigated					
		ROG	NOX	CO	SO2	PM10	PM2.5	ROG	NOX	CO	SO2	PM10	PM2.5
Year	Phase	lb/day											
2018	Demolition	3.9536 W	42.9275 W	24.0604 W	0.0519 S	5.2045 W	2.3640 W	3.9536 W	42.9275 W	24.0604 W	0.0519 S	3.3892 W	2.0864 W
2018	Site Preparation	4.6824 W	48.5275 W	23.5155 S	0.0408 S	20.8607 W	12.3618 W	4.6824 W	48.5275 W	23.5155 S	0.0408 S	9.4715 W	6.1064 W
2018	Grading	5.7529 W	76.9438 W	39.8881 W	0.1074 S	12.5718 W	6.4057 W	5.7529 W	76.9438 W	39.8881 W	0.1074 S	7.0018 W	4.1175 W
2018	Building Construction	7.3932 W	56.2762 W	57.0401 S	0.1648 S	9.8088 W	3.8363 W	7.3932 W	56.2762 W	57.0401 S	0.1648 S	9.2023 W	3.6875 W
2019	Building Construction	6.6281 W	51.9365 W	52.5870 S	0.1616 S	9.5656 W	3.6074 W	6.6281 W	51.9365 W	52.5870 S	0.1616 S	8.9591 W	3.4585 W
2020	Building Construction	5.9882 W	47.4433 W	49.0121 S	0.1590 S	9.3317 W	3.3866 W	5.9882 W	47.4433 W	49.0121 S	0.1590 S	8.7253 W	3.2378 W
2021	Building Construction	5.4419 W	43.1519 W	46.0994 S	0.1563 S	9.0968 W	3.1644 W	5.4419 W	43.1519 W	46.0994 S	0.1563 S	8.4903 W	3.0156 W
2019	Architectural Coating	8.9928 W	2.3070 W	7.4344 S	0.0171 S	1.4366 S	0.4829 S	8.9928 W	2.3070 W	7.4344 S	0.0171 S	1.3351 S	0.4580 S
2020	Architectural Coating	8.9190 W	2.1043 W	6.9104 S	0.0167 S	1.4184 S	0.4648 S	8.9190 W	2.1043 W	6.9104 S	0.0167 S	1.3169 S	0.4399 S
2021	Architectural Coating	8.8560 W	1.9052 W	6.4897 S	0.0162 S	1.4012 S	0.4476 S	8.8560 W	1.9052 W	6.4897 S	0.0162 S	1.2997 S	0.4227 S
2021	Paving	1.7482 W	12.9680 W	15.2574 S	0.0245 S	0.8467 S	0.6692 S	1.7482 W	12.9680 W	15.2574 S	0.0245 S	0.8336 S	0.6660 S
	Peak Daily Total	8.9928 W	76.9438 W	57.0401 S	0.1648 S	20.8607 W	12.3618 W	8.9928 W	76.9438 W	57.0401 S	0.1648 S	9.4715 W	6.1064 W
	Air District Threshold												
	Exceed Significance?												

3.0 Annual GHG Emissions

Annual GHG

Annual GHG

		Unmitigated				Mitigated			
		CO2	CH4	N2O	CO2e	CO2	CH4	N2O	CO2e
GHG Activity	Year	MT/yr							
Construction	2018	1,326.2600	0.1790	0.0000	1,330.7347	1,326.2594	0.1790	0.0000	1,330.7341
Construction	2019	1,986.8543	0.1592	0.0000	1,990.8346	1,986.8539	0.1592	0.0000	1,990.8342
Construction	2020	2,065.9856	0.1567	0.0000	2,069.9042	2,065.9852	0.1567	0.0000	2,069.9038
Construction	2021	335.2988	0.0284	0.0000	336.0087	335.2987	0.0284	0.0000	336.0086
	Total								
	Significance Threshold								
	Exceed Significance?								

Phase 1 Construction

Los Angeles-South Coast County, Mitigation Report

Construction Mitigation Summary

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Demolition	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

OFFROAD Equipment Mitigation

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Air Compressors	Diesel	No Change	0	1	No Change	0.00
Concrete/Industrial Saws	Diesel	No Change	0	1	No Change	0.00
Cranes	Diesel	No Change	0	1	No Change	0.00
Excavators	Diesel	No Change	0	5	No Change	0.00
Forklifts	Diesel	No Change	0	3	No Change	0.00
Generator Sets	Diesel	No Change	0	1	No Change	0.00
Graders	Diesel	No Change	0	1	No Change	0.00
Pavers	Diesel	No Change	0	2	No Change	0.00
Paving Equipment	Diesel	No Change	0	2	No Change	0.00

Rollers	Diesel	No Change	0	2	No Change	0.00
Rubber Tired Dozers	Diesel	No Change	0	6	No Change	0.00
Scrapers	Diesel	No Change	0	2	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	No Change	0	9	No Change	0.00
Welders	Diesel	No Change	0	1	No Change	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Unmitigated tons/yr						Unmitigated mt/yr					
Air Compressors	7.46600E-002	5.18800E-001	5.75680E-001	9.40000E-004	3.37900E-002	3.37900E-002	0.00000E+000	8.04275E+001	8.04275E+001	6.04000E-003	0.00000E+000	8.05785E+001
Concrete/Industrial Saws	1.55800E-002	1.17450E-001	1.11720E-001	1.90000E-004	8.01000E-003	8.01000E-003	0.00000E+000	1.61297E+001	1.61297E+001	1.25000E-003	0.00000E+000	1.61609E+001
Cranes	1.40130E-001	1.66911E+000	6.40660E-001	1.64000E-003	7.02700E-002	6.46500E-002	0.00000E+000	1.46404E+002	1.46404E+002	4.66200E-002	0.00000E+000	1.47570E+002
Excavators	4.33700E-002	4.64380E-001	4.91350E-001	7.70000E-004	2.25200E-002	2.07200E-002	0.00000E+000	7.07039E+001	7.07039E+001	2.20100E-002	0.00000E+000	7.12542E+001
Forklifts	1.51980E-001	1.35955E+000	1.16107E+000	1.49000E-003	1.04240E-001	9.59000E-002	0.00000E+000	1.32972E+002	1.32972E+002	4.23500E-002	0.00000E+000	1.34031E+002
Generator Sets	1.41130E-001	1.20233E+000	1.20874E+000	2.14000E-003	7.10600E-002	7.10600E-002	0.00000E+000	1.83692E+002	1.83692E+002	1.13400E-002	0.00000E+000	1.83976E+002
Graders	1.55900E-002	2.13830E-001	5.74400E-002	2.00000E-004	6.95000E-003	6.39000E-003	0.00000E+000	1.82327E+001	1.82327E+001	5.68000E-003	0.00000E+000	1.83746E+001
Pavers	9.85000E-003	1.03800E-001	1.16190E-001	1.90000E-004	5.02000E-003	4.62000E-003	0.00000E+000	1.65130E+001	1.65130E+001	5.34000E-003	0.00000E+000	1.66465E+001
Paving Equipment	7.68000E-003	7.76100E-002	1.01660E-001	1.60000E-004	3.83000E-003	3.53000E-003	0.00000E+000	1.43138E+001	1.43138E+001	4.63000E-003	0.00000E+000	1.44295E+001
Rollers	7.58000E-003	7.69700E-002	7.52200E-002	1.00000E-004	4.71000E-003	4.33000E-003	0.00000E+000	9.22022E+000	9.22022E+000	2.98000E-003	0.00000E+000	9.29477E+000
Rubber Tired Dozers	1.57420E-001	1.69559E+000	5.90820E-001	1.15000E-003	8.24300E-002	7.58300E-002	0.00000E+000	1.05345E+002	1.05345E+002	3.28000E-002	0.00000E+000	1.06165E+002
Scrapers	6.88200E-002	8.51490E-001	5.27200E-001	9.10000E-004	3.35600E-002	3.08700E-002	0.00000E+000	8.29965E+001	8.29965E+001	2.58400E-002	0.00000E+000	8.36424E+001
Tractors/Loaders/Backhoes	2.26430E-001	2.26310E+000	2.24104E+000	3.02000E-003	1.51080E-001	1.38990E-001	0.00000E+000	2.70521E+002	2.70521E+002	8.59100E-002	0.00000E+000	2.72669E+002
Welders	1.22020E-001	5.23230E-001	5.84240E-001	8.30000E-004	3.12800E-002	3.12800E-002	0.00000E+000	6.11717E+001	6.11717E+001	9.95000E-003	0.00000E+000	6.14205E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Mitigated tons/yr						Mitigated mt/yr					
Air Compressors	7.46600E-002	5.18800E-001	5.75680E-001	9.40000E-004	3.37900E-002	3.37900E-002	0.00000E+000	8.04274E+001	8.04274E+001	6.04000E-003	0.00000E+000	8.05784E+001
Concrete/Industrial Saws	1.55800E-002	1.17450E-001	1.11720E-001	1.90000E-004	8.01000E-003	8.01000E-003	0.00000E+000	1.61297E+001	1.61297E+001	1.25000E-003	0.00000E+000	1.61609E+001
Cranes	1.40130E-001	1.66910E+000	6.40660E-001	1.64000E-003	7.02700E-002	6.46500E-002	0.00000E+000	1.46404E+002	1.46404E+002	4.66200E-002	0.00000E+000	1.47569E+002

Excavators	4.33700E-002	4.64380E-001	4.91350E-001	7.70000E-004	2.25200E-002	2.07200E-002	0.00000E+000	7.07039E+001	7.07039E+001	2.20100E-002	0.00000E+000	7.12541E+001
Forklifts	1.51980E-001	1.35955E+000	1.16107E+000	1.49000E-003	1.04240E-001	9.59000E-002	0.00000E+000	1.32972E+002	1.32972E+002	4.23500E-002	0.00000E+000	1.34030E+002
Generator Sets	1.41130E-001	1.20233E+000	1.20873E+000	2.14000E-003	7.10600E-002	7.10600E-002	0.00000E+000	1.83692E+002	1.83692E+002	1.13400E-002	0.00000E+000	1.83976E+002
Graders	1.55900E-002	2.13830E-001	5.74400E-002	2.00000E-004	6.95000E-003	6.39000E-003	0.00000E+000	1.82326E+001	1.82326E+001	5.68000E-003	0.00000E+000	1.83745E+001
Pavers	9.85000E-003	1.03800E-001	1.16190E-001	1.90000E-004	5.02000E-003	4.62000E-003	0.00000E+000	1.65130E+001	1.65130E+001	5.34000E-003	0.00000E+000	1.66465E+001
Paving Equipment	7.68000E-003	7.76100E-002	1.01660E-001	1.60000E-004	3.83000E-003	3.53000E-003	0.00000E+000	1.43138E+001	1.43138E+001	4.63000E-003	0.00000E+000	1.44295E+001
Rollers	7.58000E-003	7.69700E-002	7.52200E-002	1.00000E-004	4.71000E-003	4.33000E-003	0.00000E+000	9.22021E+000	9.22021E+000	2.98000E-003	0.00000E+000	9.29476E+000
Rubber Tired Dozers	1.57420E-001	1.69559E+000	5.90820E-001	1.15000E-003	8.24300E-002	7.58300E-002	0.00000E+000	1.05345E+002	1.05345E+002	3.28000E-002	0.00000E+000	1.06165E+002
Scrapers	6.88200E-002	8.51490E-001	5.27200E-001	9.10000E-004	3.35600E-002	3.08700E-002	0.00000E+000	8.29964E+001	8.29964E+001	2.58400E-002	0.00000E+000	8.36423E+001
Tractors/Loaders/Backhoes	2.26430E-001	2.26310E+000	2.24104E+000	3.02000E-003	1.51080E-001	1.38990E-001	0.00000E+000	2.70521E+002	2.70521E+002	8.59100E-002	0.00000E+000	2.72669E+002
Welders	1.22020E-001	5.23230E-001	5.84240E-001	8.30000E-004	3.12800E-002	3.12800E-002	0.00000E+000	6.11716E+001	6.11716E+001	9.95000E-003	0.00000E+000	6.14204E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Air Compressors	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.11902E-006	1.11902E-006	0.00000E+000	0.00000E+000	1.24103E-006
Concrete/Industrial Saws	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.23995E-006	1.23995E-006	0.00000E+000	0.00000E+000	1.23755E-006
Cranes	0.00000E+000	5.99122E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.22947E-006	1.22947E-006	0.00000E+000	0.00000E+000	1.21976E-006
Excavators	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.13148E-006	1.13148E-006	0.00000E+000	0.00000E+000	1.12274E-006
Forklifts	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.20326E-006	1.20326E-006	0.00000E+000	0.00000E+000	1.19376E-006
Generator Sets	0.00000E+000	0.00000E+000	8.27308E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.19765E-006	1.19765E-006	0.00000E+000	0.00000E+000	1.19581E-006
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.09693E-006	1.09693E-006	0.00000E+000	0.00000E+000	1.08846E-006
Pavers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.21117E-006	1.21117E-006	0.00000E+000	0.00000E+000	1.20145E-006
Paving Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.39726E-006	1.39726E-006	0.00000E+000	0.00000E+000	1.38605E-006
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.08457E-006	1.08457E-006	0.00000E+000	0.00000E+000	1.07587E-006
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.23404E-006	1.23404E-006	0.00000E+000	0.00000E+000	1.13031E-006
Scrapers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.20487E-006	1.20487E-006	0.00000E+000	0.00000E+000	1.19557E-006
Tractors/Loaders/Backhoes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18290E-006	1.18290E-006	0.00000E+000	0.00000E+000	1.17358E-006
Welders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.14432E-006	1.14432E-006	0.00000E+000	0.00000E+000	1.13969E-006

Fugitive Dust Mitigation

Yes/No	Mitigation Measure	Mitigation Input		Mitigation Input		Mitigation Input	
No	Soil Stabilizer for unpaved Roads	PM10 Reduction	0.00	PM2.5 Reduction	0.00		
Yes	Replace Ground Cover of Area Disturbed	PM10 Reduction	5.00	PM2.5 Reduction	5.00		
Yes	Water Exposed Area	PM10 Reduction	61.00	PM2.5 Reduction	61.00	Frequency (per day)	3.00
No	Unpaved Road Mitigation	Moisture Content %	0.00	Vehicle Speed (mph)	15.00		
Yes	Clean Paved Road	% PM Reduction	9.00				

		Unmitigated		Mitigated		Percent Reduction	
Phase	Source	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Architectural Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	Roads	0.40	0.11	0.37	0.10	0.08	0.07
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	2.56	0.69	2.37	0.64	0.08	0.07
Demolition	Fugitive Dust	0.09	0.01	0.03	0.00	0.63	0.63
Demolition	Roads	0.01	0.00	0.01	0.00	0.07	0.06
Grading	Fugitive Dust	0.26	0.11	0.10	0.04	0.63	0.63
Grading	Roads	0.03	0.01	0.03	0.01	0.07	0.06
Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Roads	0.00	0.00	0.00	0.00	0.08	0.07
Site Preparation	Fugitive Dust	0.27	0.15	0.10	0.06	0.63	0.63
Site Preparation	Roads	0.00	0.00	0.00	0.00	0.08	0.07

CalEEMod Output: Operation – Existing (2016)

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Existing Operation -2016

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	69.30	1000sqft	16.17	69,295.00	0
Hospital	730.04	1000sqft	16.17	730,044.00	0
Medical Office Building	186.30	1000sqft	16.17	186,296.00	0
Research & Development	457.94	1000sqft	16.17	457,936.00	0
General Light Industry	73.91	1000sqft	1.70	73,909.00	0
Unrefrigerated Warehouse-No Rail	59.24	1000sqft	1.36	59,244.00	0
Parking Lot	31.97	Acre	31.97	1,392,800.00	0
Hotel	13.00	Room	16.17	18,168.00	0
Apartments Low Rise	6.00	Dwelling Unit	0.14	5,958.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2016
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - .

Land Use - Based on information provided by the Applicant. Number of rooms and DUs based on actual square footage and CalEEMod area per room/DU rate.

Construction Phase - Operation run only

Vehicle Trips - Trip generation and trip length based on information provided by Fehr & Peers. For purposes of this analysis, all trips are assigned to the Hospital land use.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - Assumes natural gas fireplaces for all units.

Energy Use - Assumes existing buildings built to meet the 2005 Building Energy Efficiency Standards.

Water And Wastewater - Based on water demand and wasteater information provided by KPFF. Assumes no septic tanks or facultive lagoons. Indoor and outdoor water proportioned evenly for purposes of this analysis.

Solid Waste - Based on solid waste generation as calculated in Chapter 5.16, Utilities and Service Systems.

Energy Mitigation -

Fleet Mix - Based on CalTrans vehicle mix for segment of Interstate 210 west of Interstate 605.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	200.00	1.00
tblFireplaces	NumberGas	5.10	6.00
tblFireplaces	NumberNoFireplace	0.60	0.00
tblFireplaces	NumberWood	0.30	0.00
tblFleetMix	FleetMixLandUseSubType	General Office Building	Apartments Low Rise
tblFleetMix	FleetMixLandUseSubType	Hospital	General Light Industry
tblFleetMix	FleetMixLandUseSubType	Medical Office Building	General Office Building
tblFleetMix	FleetMixLandUseSubType	Research & Development	Hospital
tblFleetMix	FleetMixLandUseSubType	General Light Industry	Hotel
tblFleetMix	FleetMixLandUseSubType	Unrefrigerated Warehouse-No Rail	Medical Office Building
tblFleetMix	FleetMixLandUseSubType	Hotel	Research & Development

tblFleetMix	FleetMixLandUseSubType	Apartments Low Rise	Unrefrigerated Warehouse-No Rail
tblFleetMix	HHD	0.03	0.04
tblFleetMix	LDA	0.55	0.63
tblFleetMix	LDT1	0.05	0.05
tblFleetMix	LDT2	0.20	0.23
tblFleetMix	LHD1	0.02	4.4410e-003
tblFleetMix	LHD2	5.7740e-003	1.3470e-003
tblFleetMix	MCY	4.5380e-003	5.2600e-003
tblFleetMix	MDV	0.13	0.03
tblFleetMix	MH	9.9400e-004	2.3200e-004
tblFleetMix	MHD	0.02	4.1320e-003
tblFleetMix	OBUS	2.2640e-003	5.2800e-004
tblFleetMix	SBUS	6.4600e-004	1.5100e-004
tblFleetMix	UBUS	2.8970e-003	6.7600e-004
tblLandUse	BuildingSpaceSquareFeet	69,300.00	69,295.00
tblLandUse	BuildingSpaceSquareFeet	730,040.00	730,044.00
tblLandUse	BuildingSpaceSquareFeet	186,300.00	186,296.00
tblLandUse	BuildingSpaceSquareFeet	457,940.00	457,936.00
tblLandUse	BuildingSpaceSquareFeet	73,910.00	73,909.00
tblLandUse	BuildingSpaceSquareFeet	59,240.00	59,244.00
tblLandUse	BuildingSpaceSquareFeet	1,392,613.20	1,392,800.00
tblLandUse	BuildingSpaceSquareFeet	18,876.00	18,168.00
tblLandUse	BuildingSpaceSquareFeet	6,000.00	5,958.00
tblLandUse	LandUseSquareFeet	69,300.00	69,295.00
tblLandUse	LandUseSquareFeet	730,040.00	730,044.00
tblLandUse	LandUseSquareFeet	186,300.00	186,296.00
tblLandUse	LandUseSquareFeet	457,940.00	457,936.00

tblLandUse	LandUseSquareFeet	73,910.00	73,909.00
tblLandUse	LandUseSquareFeet	59,240.00	59,244.00
tblLandUse	LandUseSquareFeet	1,392,613.20	1,392,800.00
tblLandUse	LandUseSquareFeet	18,876.00	18,168.00
tblLandUse	LandUseSquareFeet	6,000.00	5,958.00
tblLandUse	LotAcreage	1.59	16.17
tblLandUse	LotAcreage	16.76	16.17
tblLandUse	LotAcreage	4.28	16.17
tblLandUse	LotAcreage	10.51	16.17
tblLandUse	LotAcreage	0.43	16.17
tblLandUse	LotAcreage	0.38	0.14
tblLandUse	Population	17.00	0.00
tblProjectCharacteristics	OperationalYear	2018	2016
tblSolidWaste	SolidWasteGenerationRate	2.76	1,215.00
tblSolidWaste	SolidWasteGenerationRate	91.65	1,215.00
tblSolidWaste	SolidWasteGenerationRate	64.45	1,215.00
tblSolidWaste	SolidWasteGenerationRate	7,884.43	1,215.00
tblSolidWaste	SolidWasteGenerationRate	7.12	1,215.00
tblSolidWaste	SolidWasteGenerationRate	2,012.04	1,215.00
tblSolidWaste	SolidWasteGenerationRate	0.00	1,215.00
tblSolidWaste	SolidWasteGenerationRate	34.80	1,215.00
tblSolidWaste	SolidWasteGenerationRate	55.69	1,215.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	16.10	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	14.33

tblVehicleTrips	CW_TTP	64.90	100.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PR_TP	73.00	100.00
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	10.18	16.34
tblVehicleTrips	ST_TR	8.19	0.00
tblVehicleTrips	ST_TR	8.96	0.00
tblVehicleTrips	ST_TR	1.90	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	8.91	16.34
tblVehicleTrips	SU_TR	5.95	0.00
tblVehicleTrips	SU_TR	1.55	0.00
tblVehicleTrips	SU_TR	1.11	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	13.22	16.34
tblVehicleTrips	WD_TR	8.17	0.00
tblVehicleTrips	WD_TR	36.13	0.00
tblVehicleTrips	WD_TR	8.11	0.00

tblVehicleTrips	WD_TR	1.68	0.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	390,924.15	18,804,435.00
tblWater	IndoorWaterUseRate	17,091,687.50	18,804,435.00
tblWater	IndoorWaterUseRate	12,316,948.74	18,804,435.00
tblWater	IndoorWaterUseRate	91,605,811.64	18,804,435.00
tblWater	IndoorWaterUseRate	329,768.01	18,804,435.00
tblWater	IndoorWaterUseRate	23,377,024.15	18,804,435.00
tblWater	IndoorWaterUseRate	225,166,326.18	18,804,435.00
tblWater	IndoorWaterUseRate	13,699,250.00	18,804,435.00
tblWater	OutdoorWaterUseRate	246,452.18	2,089,397.00
tblWater	OutdoorWaterUseRate	0.00	2,089,397.00

tblWater	OutdoorWaterUseRate	7,549,097.61	2,089,397.00
tblWater	OutdoorWaterUseRate	17,448,726.03	2,089,397.00
tblWater	OutdoorWaterUseRate	36,640.89	2,089,397.00
tblWater	OutdoorWaterUseRate	4,452,766.50	2,089,397.00
tblWater	OutdoorWaterUseRate	0.00	2,089,397.00
tblWater	OutdoorWaterUseRate	0.00	2,089,397.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

2.0 Emissions Summary

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	36.5630	0.1310	2.1847	5.4700e-003		0.2513	0.2513		0.2513	0.2513	35.4098	128.3051	163.7149	0.1699	2.3300e-003	168.6561
Energy	1.9640	17.8529	14.9869	0.1071		1.3569	1.3569		1.3569	1.3569		21,425.2106	21,425.2106	0.4107	0.3928	21,552.5299
Mobile	44.7615	211.7886	698.3002	1.7734	131.0758	2.2988	133.3746	34.8694	2.1662	37.0356		179,133.5913	179,133.5913	9.7696		179,377.8321
Total	**83.2885**	**229.7725**	**715.4718**	**1.8860**	**131.0758**	**3.9070**	**134.9828**	**34.8694**	**3.7744**	**38.6438**	**35.4098**	**200,687.1070**	**200,722.5168**	**10.3502**	**0.3951**	**201,099.0182**

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	36.5630	0.1310	2.1847	5.4700e-003		0.2513	0.2513		0.2513	0.2513	35.4098	128.3051	163.7149	0.1699	2.3300e-003	168.6561
Energy	1.9640	17.8529	14.9869	0.1071		1.3569	1.3569		1.3569	1.3569		21,425.2106	21,425.2106	0.4107	0.3928	21,552.5299
Mobile	44.7615	211.7886	698.3002	1.7734	131.0758	2.2988	133.3746	34.8694	2.1662	37.0356		179,133.5913	179,133.5913	9.7696		179,377.8321
Total	**83.2885**	**229.7725**	**715.4718**	**1.8860**	**131.0758**	**3.9070**	**134.9828**	**34.8694**	**3.7744**	**38.6438**	**35.4098**	**200,687.1070**	**200,722.5168**	**10.3502**	**0.3951**	**201,099.0182**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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**

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	44.7615	211.7886	698.3002	1.7734	131.0758	2.2988	133.3746	34.8694	2.1662	37.0356		179,133.5913	179,133.5913	9.7696		179,377.8321
Unmitigated	44.7615	211.7886	698.3002	1.7734	131.0758	2.2988	133.3746	34.8694	2.1662	37.0356		179,133.5913	179,133.5913	9.7696		179,377.8321

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
General Light Industry	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Hospital	11,928.85	11,928.85	11928.85	62,222,332	62,222,332
Hotel	0.00	0.00	0.00		
Medical Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Research & Development	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	11,928.85	11,928.85	11,928.85	62,222,332	62,222,332

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
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Hospital	14.33	0.00	0.00	100.00	0.00	0.00	100	0	0
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Research & Development	16.60	8.40	6.90	33.00	48.00	19.00	82	15	3
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.546581	0.047315	0.196959	0.128768	0.019038	0.005774	0.017712	0.026513	0.002264	0.002897	0.004538	0.000646	0.000994
General Light Industry	0.546581	0.047315	0.196959	0.128768	0.019038	0.005774	0.017712	0.026513	0.002264	0.002897	0.004538	0.000646	0.000994
General Office Building	0.546581	0.047315	0.196959	0.128768	0.019038	0.005774	0.017712	0.026513	0.002264	0.002897	0.004538	0.000646	0.000994
Hospital	0.633583	0.054846	0.228310	0.026012	0.004441	0.001347	0.004132	0.040482	0.000528	0.000676	0.005260	0.000151	0.000232
Hotel	0.546581	0.047315	0.196959	0.128768	0.019038	0.005774	0.017712	0.026513	0.002264	0.002897	0.004538	0.000646	0.000994
Medical Office Building	0.546581	0.047315	0.196959	0.128768	0.019038	0.005774	0.017712	0.026513	0.002264	0.002897	0.004538	0.000646	0.000994
Parking Lot	0.546581	0.047315	0.196959	0.128768	0.019038	0.005774	0.017712	0.026513	0.002264	0.002897	0.004538	0.000646	0.000994
Research & Development	0.546581	0.047315	0.196959	0.128768	0.019038	0.005774	0.017712	0.026513	0.002264	0.002897	0.004538	0.000646	0.000994
Unrefrigerated Warehouse-No Rail	0.546581	0.047315	0.196959	0.128768	0.019038	0.005774	0.017712	0.026513	0.002264	0.002897	0.004538	0.000646	0.000994

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

Kilowatt Hours of Renewable Electricity Generated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.9640	17.8529	14.9869	0.1071		1.3569	1.3569		1.3569	1.3569		21,425.2106	21,425.2106	0.4107	0.3928	21,552.5299
NaturalGas Unmitigated	1.9640	17.8529	14.9869	0.1071		1.3569	1.3569		1.3569	1.3569		21,425.2106	21,425.2106	0.4107	0.3928	21,552.5299

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	248.312	2.6800e-003	0.0229	9.7400e-003	1.5000e-004		1.8500e-003	1.8500e-003		1.8500e-003	1.8500e-003		29.2131	29.2131	5.6000e-004	5.4000e-004	29.3867
General Light Industry	4009.31	0.0432	0.3931	0.3302	2.3600e-003		0.0299	0.0299		0.0299	0.0299		471.6836	471.6836	9.0400e-003	8.6500e-003	474.4865
General Office Building	2361.73	0.0255	0.2315	0.1945	1.3900e-003		0.0176	0.0176		0.0176	0.0176		277.8501	277.8501	5.3300e-003	5.0900e-003	279.5012
Hospital	142849	1.5405	14.0048	11.7640	0.0840		1.0644	1.0644		1.0644	1.0644		16,805.7188	16,805.7188	0.3221	0.3081	16,905.5868
Hotel	1286.69	0.0139	0.1262	0.1060	7.6000e-004		9.5900e-003	9.5900e-003		9.5900e-003	9.5900e-003		151.3756	151.3756	2.9000e-003	2.7800e-003	152.2752
Medical Office Building	6349.38	0.0685	0.6225	0.5229	3.7300e-003		0.0473	0.0473		0.0473	0.0473		746.9854	746.9854	0.0143	0.0137	751.4244
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	24841.5	0.2679	2.4354	2.0458	0.0146		0.1851	0.1851		0.1851	0.1851		2,922.5247	2,922.5247	0.0560	0.0536	2,939.8918
Unrefrigerated Warehouse-No Rail	168.805	1.8200e-003	0.0166	0.0139	1.0000e-004		1.2600e-003	1.2600e-003		1.2600e-003	1.2600e-003		19.8594	19.8594	3.8000e-004	3.6000e-004	19.9774
Total		**1.9640**	**17.8529**	**14.9869**	**0.1071**		**1.3569**	**1.3569**		**1.3569**	**1.3569**		**21,425.2106**	**21,425.2106**	**0.4107**	**0.3928**	**21,552.5299**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	0.248312	2.6800e-003	0.0229	9.7400e-003	1.5000e-004		1.8500e-003	1.8500e-003		1.8500e-003	1.8500e-003		29.2131	29.2131	5.6000e-004	5.4000e-004	29.3867
General Light Industry	4.00931	0.0432	0.3931	0.3302	2.3600e-003		0.0299	0.0299		0.0299	0.0299		471.6836	471.6836	9.0400e-003	8.6500e-003	474.4865
General Office Building	2.36173	0.0255	0.2315	0.1945	1.3900e-003		0.0176	0.0176		0.0176	0.0176		277.8501	277.8501	5.3300e-003	5.0900e-003	279.5012
Hospital	142.849	1.5405	14.0048	11.7640	0.0840		1.0644	1.0644		1.0644	1.0644		16,805.7188	16,805.7188	0.3221	0.3081	16,905.5868
Hotel	1.28669	0.0139	0.1262	0.1060	7.6000e-004		9.5900e-003	9.5900e-003		9.5900e-003	9.5900e-003		151.3756	151.3756	2.9000e-003	2.7800e-003	152.2752
Medical Office Building	6.34938	0.0685	0.6225	0.5229	3.7300e-003		0.0473	0.0473		0.0473	0.0473		746.9854	746.9854	0.0143	0.0137	751.4244
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	24.8415	0.2679	2.4354	2.0458	0.0146		0.1851	0.1851		0.1851	0.1851		2,922.5247	2,922.5247	0.0560	0.0536	2,939.8918
Unrefrigerated Warehouse-No Rail	0.168805	1.8200e-003	0.0166	0.0139	1.0000e-004		1.2600e-003	1.2600e-003		1.2600e-003	1.2600e-003		19.8594	19.8594	3.8000e-004	3.6000e-004	19.9774
Total		**1.9640**	**17.8529**	**14.9869**	**0.1071**		**1.3569**	**1.3569**		**1.3569**	**1.3569**		**21,425.2106**	**21,425.2106**	**0.4107**	**0.3928**	**21,552.5299**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	36.5630	0.1310	2.1847	5.4700e-003		0.2513	0.2513		0.2513	0.2513	35.4098	128.3051	163.7149	0.1699	2.3300e-003	168.6561
Unmitigated	36.5630	0.1310	2.1847	5.4700e-003		0.2513	0.2513		0.2513	0.2513	35.4098	128.3051	163.7149	0.1699	2.3300e-003	168.6561

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	4.1669					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	32.1902					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1736	0.1235	1.5130	5.4300e-003		0.2480	0.2480		0.2480	0.2480	35.4098	127.0588	162.4687	0.1680	2.3300e-003	167.3620
Landscaping	0.0324	7.5000e-003	0.6717	4.0000e-005		3.3200e-003	3.3200e-003		3.3200e-003	3.3200e-003		1.2462	1.2462	1.9100e-003		1.2941
Total	**36.5630**	**0.1310**	**2.1847**	**5.4700e-003**		**0.2513**	**0.2513**		**0.2513**	**0.2513**	**35.4098**	**128.3051**	**163.7149**	**0.1699**	**2.3300e-003**	**168.6561**

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	4.1669					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	32.1902					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1736	0.1235	1.5130	5.4300e-003		0.2480	0.2480		0.2480	0.2480	35.4098	127.0588	162.4687	0.1680	2.3300e-003	167.3620
Landscaping	0.0324	7.5000e-003	0.6717	4.0000e-005		3.3200e-003	3.3200e-003		3.3200e-003	3.3200e-003		1.2462	1.2462	1.9100e-003		1.2941
Total	**36.5630**	**0.1310**	**2.1847**	**5.4700e-003**		**0.2513**	**0.2513**		**0.2513**	**0.2513**	**35.4098**	**128.3051**	**163.7149**	**0.1699**	**2.3300e-003**	**168.6561**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Existing Operation -2016

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	69.30	1000sqft	16.17	69,295.00	0
Hospital	730.04	1000sqft	16.17	730,044.00	0
Medical Office Building	186.30	1000sqft	16.17	186,296.00	0
Research & Development	457.94	1000sqft	16.17	457,936.00	0
General Light Industry	73.91	1000sqft	1.70	73,909.00	0
Unrefrigerated Warehouse-No Rail	59.24	1000sqft	1.36	59,244.00	0
Parking Lot	31.97	Acre	31.97	1,392,800.00	0
Hotel	13.00	Room	16.17	18,168.00	0
Apartments Low Rise	6.00	Dwelling Unit	0.14	5,958.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2016
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - .

Land Use - Based on information provided by the Applicant. Number of rooms and DUs based on actual square footage and CalEEMod area per room/DU rate.
Construction Phase - Operation run only

Vehicle Trips - Trip generation and trip length based on information provided by Fehr & Peers. For purposes of this analysis, all trips are assigned to the Hospital land use.
Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - Assumes natural gas fireplaces for all units.

Energy Use - Assumes existing buildings built to meet the 2005 Building Energy Efficiency Standards.

Water And Wastewater - Based on water demand and wasteater information provided by KPFF. Assumes no septic tanks or facultive lagoons. Indoor and outdoor water proportioned evenly for purposes of this analysis.

Solid Waste - Based on solid waste generation as calculated in Chapter 5.16, Utilities and Service Systems.

Energy Mitigation -

Fleet Mix - Based on CalTrans vehicle mix for segment of Interstate 210 west of Interstate 605.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	200.00	1.00
tblFireplaces	NumberGas	5.10	6.00
tblFireplaces	NumberNoFireplace	0.60	0.00
tblFireplaces	NumberWood	0.30	0.00
tblFleetMix	FleetMixLandUseSubType	General Office Building	Apartments Low Rise
tblFleetMix	FleetMixLandUseSubType	Hospital	General Light Industry
tblFleetMix	FleetMixLandUseSubType	Medical Office Building	General Office Building
tblFleetMix	FleetMixLandUseSubType	Research & Development	Hospital
tblFleetMix	FleetMixLandUseSubType	General Light Industry	Hotel
tblFleetMix	FleetMixLandUseSubType	Unrefrigerated Warehouse-No Rail	Medical Office Building
tblFleetMix	FleetMixLandUseSubType	Hotel	Research & Development
tblFleetMix	FleetMixLandUseSubType	Apartments Low Rise	Unrefrigerated Warehouse-No Rail

tblFleetMix	HHD	0.03	0.04
tblFleetMix	LDA	0.55	0.63
tblFleetMix	LDT1	0.05	0.05
tblFleetMix	LDT2	0.20	0.23
tblFleetMix	LHD1	0.02	4.4410e-003
tblFleetMix	LHD2	5.7740e-003	1.3470e-003
tblFleetMix	MCY	4.5380e-003	5.2600e-003
tblFleetMix	MDV	0.13	0.03
tblFleetMix	MH	9.9400e-004	2.3200e-004
tblFleetMix	MHD	0.02	4.1320e-003
tblFleetMix	OBUS	2.2640e-003	5.2800e-004
tblFleetMix	SBUS	6.4600e-004	1.5100e-004
tblFleetMix	UBUS	2.8970e-003	6.7600e-004
tblLandUse	BuildingSpaceSquareFeet	69,300.00	69,295.00
tblLandUse	BuildingSpaceSquareFeet	730,040.00	730,044.00
tblLandUse	BuildingSpaceSquareFeet	186,300.00	186,296.00
tblLandUse	BuildingSpaceSquareFeet	457,940.00	457,936.00
tblLandUse	BuildingSpaceSquareFeet	73,910.00	73,909.00
tblLandUse	BuildingSpaceSquareFeet	59,240.00	59,244.00
tblLandUse	BuildingSpaceSquareFeet	1,392,613.20	1,392,800.00
tblLandUse	BuildingSpaceSquareFeet	18,876.00	18,168.00
tblLandUse	BuildingSpaceSquareFeet	6,000.00	5,958.00
tblLandUse	LandUseSquareFeet	69,300.00	69,295.00
tblLandUse	LandUseSquareFeet	730,040.00	730,044.00
tblLandUse	LandUseSquareFeet	186,300.00	186,296.00
tblLandUse	LandUseSquareFeet	457,940.00	457,936.00
tblLandUse	LandUseSquareFeet	73,910.00	73,909.00
tblLandUse	LandUseSquareFeet	59,240.00	59,244.00

tblLandUse	LandUseSquareFeet	1,392,613.20	1,392,800.00
tblLandUse	LandUseSquareFeet	18,876.00	18,168.00
tblLandUse	LandUseSquareFeet	6,000.00	5,958.00
tblLandUse	LotAcreage	1.59	16.17
tblLandUse	LotAcreage	16.76	16.17
tblLandUse	LotAcreage	4.28	16.17
tblLandUse	LotAcreage	10.51	16.17
tblLandUse	LotAcreage	0.43	16.17
tblLandUse	LotAcreage	0.38	0.14
tblLandUse	Population	17.00	0.00
tblProjectCharacteristics	OperationalYear	2018	2016
tblSolidWaste	SolidWasteGenerationRate	2.76	1,215.00
tblSolidWaste	SolidWasteGenerationRate	91.65	1,215.00
tblSolidWaste	SolidWasteGenerationRate	64.45	1,215.00
tblSolidWaste	SolidWasteGenerationRate	7,884.43	1,215.00
tblSolidWaste	SolidWasteGenerationRate	7.12	1,215.00
tblSolidWaste	SolidWasteGenerationRate	2,012.04	1,215.00
tblSolidWaste	SolidWasteGenerationRate	0.00	1,215.00
tblSolidWaste	SolidWasteGenerationRate	34.80	1,215.00
tblSolidWaste	SolidWasteGenerationRate	55.69	1,215.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	16.10	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	14.33
tblVehicleTrips	CW_TTP	64.90	100.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00

tblVehicleTrips	PR_TP	73.00	100.00
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	10.18	16.34
tblVehicleTrips	ST_TR	8.19	0.00
tblVehicleTrips	ST_TR	8.96	0.00
tblVehicleTrips	ST_TR	1.90	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	8.91	16.34
tblVehicleTrips	SU_TR	5.95	0.00
tblVehicleTrips	SU_TR	1.55	0.00
tblVehicleTrips	SU_TR	1.11	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	13.22	16.34
tblVehicleTrips	WD_TR	8.17	0.00
tblVehicleTrips	WD_TR	36.13	0.00
tblVehicleTrips	WD_TR	8.11	0.00
tblVehicleTrips	WD_TR	1.68	0.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00

tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	390,924.15	18,804,435.00
tblWater	IndoorWaterUseRate	17,091,687.50	18,804,435.00
tblWater	IndoorWaterUseRate	12,316,948.74	18,804,435.00
tblWater	IndoorWaterUseRate	91,605,811.64	18,804,435.00
tblWater	IndoorWaterUseRate	329,768.01	18,804,435.00
tblWater	IndoorWaterUseRate	23,377,024.15	18,804,435.00
tblWater	IndoorWaterUseRate	225,166,326.18	18,804,435.00
tblWater	IndoorWaterUseRate	13,699,250.00	18,804,435.00
tblWater	OutdoorWaterUseRate	246,452.18	2,089,397.00
tblWater	OutdoorWaterUseRate	0.00	2,089,397.00
tblWater	OutdoorWaterUseRate	7,549,097.61	2,089,397.00
tblWater	OutdoorWaterUseRate	17,448,726.03	2,089,397.00
tblWater	OutdoorWaterUseRate	36,640.89	2,089,397.00
tblWater	OutdoorWaterUseRate	4,452,766.50	2,089,397.00
tblWater	OutdoorWaterUseRate	0.00	2,089,397.00

tblWater	OutdoorWaterUseRate	0.00	2,089,397.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

2.0 Emissions Summary

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	36.5630	0.1310	2.1847	5.4700e-003		0.2513	0.2513		0.2513	0.2513	35.4098	128.3051	163.7149	0.1699	2.3300e-003	168.6561
Energy	1.9640	17.8529	14.9869	0.1071		1.3569	1.3569		1.3569	1.3569		21,425.2106	21,425.2106	0.4107	0.3928	21,552.5299
Mobile	44.0452	219.2434	657.1154	1.6830	131.0758	2.3170	133.3928	34.8694	2.1836	37.0530		170,095.4362	170,095.4362	9.6468		170,336.6056
Total	**82.5722**	**237.2273**	**674.2871**	**1.7956**	**131.0758**	**3.9252**	**135.0010**	**34.8694**	**3.7918**	**38.6612**	**35.4098**	**191,648.9518**	**191,684.3617**	**10.2273**	**0.3951**	**192,057.7916**

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	36.5630	0.1310	2.1847	5.4700e-003		0.2513	0.2513		0.2513	0.2513	35.4098	128.3051	163.7149	0.1699	2.3300e-003	168.6561
Energy	1.9640	17.8529	14.9869	0.1071		1.3569	1.3569		1.3569	1.3569		21,425.2106	21,425.2106	0.4107	0.3928	21,552.5299
Mobile	44.0452	219.2434	657.1154	1.6830	131.0758	2.3170	133.3928	34.8694	2.1836	37.0530		170,095.4362	170,095.4362	9.6468		170,336.6056
Total	**82.5722**	**237.2273**	**674.2871**	**1.7956**	**131.0758**	**3.9252**	**135.0010**	**34.8694**	**3.7918**	**38.6612**	**35.4098**	**191,648.9518**	**191,684.3617**	**10.2273**	**0.3951**	**192,057.7916**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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**

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	44.0452	219.2434	657.1154	1.6830	131.0758	2.3170	133.3928	34.8694	2.1836	37.0530		170,095.4362	170,095.4362	9.6468		170,336.6056
Unmitigated	44.0452	219.2434	657.1154	1.6830	131.0758	2.3170	133.3928	34.8694	2.1836	37.0530		170,095.4362	170,095.4362	9.6468		170,336.6056

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
General Light Industry	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Hospital	11,928.85	11,928.85	11928.85	62,222,332	62,222,332
Hotel	0.00	0.00	0.00		
Medical Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Research & Development	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	11,928.85	11,928.85	11,928.85	62,222,332	62,222,332

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
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Hospital	14.33	0.00	0.00	100.00	0.00	0.00	100	0	0
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Research & Development	16.60	8.40	6.90	33.00	48.00	19.00	82	15	3
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.546581	0.047315	0.196959	0.128768	0.019038	0.005774	0.017712	0.026513	0.002264	0.002897	0.004538	0.000646	0.000994
General Light Industry	0.546581	0.047315	0.196959	0.128768	0.019038	0.005774	0.017712	0.026513	0.002264	0.002897	0.004538	0.000646	0.000994
General Office Building	0.546581	0.047315	0.196959	0.128768	0.019038	0.005774	0.017712	0.026513	0.002264	0.002897	0.004538	0.000646	0.000994
Hospital	0.633583	0.054846	0.228310	0.026012	0.004441	0.001347	0.004132	0.040482	0.000528	0.000676	0.005260	0.000151	0.000232
Hotel	0.546581	0.047315	0.196959	0.128768	0.019038	0.005774	0.017712	0.026513	0.002264	0.002897	0.004538	0.000646	0.000994
Medical Office Building	0.546581	0.047315	0.196959	0.128768	0.019038	0.005774	0.017712	0.026513	0.002264	0.002897	0.004538	0.000646	0.000994
Parking Lot	0.546581	0.047315	0.196959	0.128768	0.019038	0.005774	0.017712	0.026513	0.002264	0.002897	0.004538	0.000646	0.000994
Research & Development	0.546581	0.047315	0.196959	0.128768	0.019038	0.005774	0.017712	0.026513	0.002264	0.002897	0.004538	0.000646	0.000994
Unrefrigerated Warehouse-No Rail	0.546581	0.047315	0.196959	0.128768	0.019038	0.005774	0.017712	0.026513	0.002264	0.002897	0.004538	0.000646	0.000994

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

Kilowatt Hours of Renewable Electricity Generated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.9640	17.8529	14.9869	0.1071		1.3569	1.3569		1.3569	1.3569		21,425.2106	21,425.2106	0.4107	0.3928	21,552.5299
NaturalGas Unmitigated	1.9640	17.8529	14.9869	0.1071		1.3569	1.3569		1.3569	1.3569		21,425.2106	21,425.2106	0.4107	0.3928	21,552.5299

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	248.312	2.6800e-003	0.0229	9.7400e-003	1.5000e-004		1.8500e-003	1.8500e-003		1.8500e-003	1.8500e-003		29.2131	29.2131	5.6000e-004	5.4000e-004	29.3867
General Light Industry	4009.31	0.0432	0.3931	0.3302	2.3600e-003		0.0299	0.0299		0.0299	0.0299		471.6836	471.6836	9.0400e-003	8.6500e-003	474.4865
General Office Building	2361.73	0.0255	0.2315	0.1945	1.3900e-003		0.0176	0.0176		0.0176	0.0176		277.8501	277.8501	5.3300e-003	5.0900e-003	279.5012
Hospital	142849	1.5405	14.0048	11.7640	0.0840		1.0644	1.0644		1.0644	1.0644		16,805.7188	16,805.7188	0.3221	0.3081	16,905.5868
Hotel	1286.69	0.0139	0.1262	0.1060	7.6000e-004		9.5900e-003	9.5900e-003		9.5900e-003	9.5900e-003		151.3756	151.3756	2.9000e-003	2.7800e-003	152.2752
Medical Office Building	6349.38	0.0685	0.6225	0.5229	3.7300e-003		0.0473	0.0473		0.0473	0.0473		746.9854	746.9854	0.0143	0.0137	751.4244
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	24841.5	0.2679	2.4354	2.0458	0.0146		0.1851	0.1851		0.1851	0.1851		2,922.5247	2,922.5247	0.0560	0.0536	2,939.8918
Unrefrigerated Warehouse-No Rail	168.805	1.8200e-003	0.0166	0.0139	1.0000e-004		1.2600e-003	1.2600e-003		1.2600e-003	1.2600e-003		19.8594	19.8594	3.8000e-004	3.6000e-004	19.9774
Total		**1.9640**	**17.8529**	**14.9869**	**0.1071**		**1.3569**	**1.3569**		**1.3569**	**1.3569**		**21,425.2106**	**21,425.2106**	**0.4107**	**0.3928**	**21,552.5299**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	0.248312	2.6800e-003	0.0229	9.7400e-003	1.5000e-004		1.8500e-003	1.8500e-003		1.8500e-003	1.8500e-003		29.2131	29.2131	5.6000e-004	5.4000e-004	29.3867
General Light Industry	4.00931	0.0432	0.3931	0.3302	2.3600e-003		0.0299	0.0299		0.0299	0.0299		471.6836	471.6836	9.0400e-003	8.6500e-003	474.4865
General Office Building	2.36173	0.0255	0.2315	0.1945	1.3900e-003		0.0176	0.0176		0.0176	0.0176		277.8501	277.8501	5.3300e-003	5.0900e-003	279.5012
Hospital	142.849	1.5405	14.0048	11.7640	0.0840		1.0644	1.0644		1.0644	1.0644		16,805.7188	16,805.7188	0.3221	0.3081	16,905.5868
Hotel	1.28669	0.0139	0.1262	0.1060	7.6000e-004		9.5900e-003	9.5900e-003		9.5900e-003	9.5900e-003		151.3756	151.3756	2.9000e-003	2.7800e-003	152.2752
Medical Office Building	6.34938	0.0685	0.6225	0.5229	3.7300e-003		0.0473	0.0473		0.0473	0.0473		746.9854	746.9854	0.0143	0.0137	751.4244
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	24.8415	0.2679	2.4354	2.0458	0.0146		0.1851	0.1851		0.1851	0.1851		2,922.5247	2,922.5247	0.0560	0.0536	2,939.8918
Unrefrigerated Warehouse-No Rail	0.168805	1.8200e-003	0.0166	0.0139	1.0000e-004		1.2600e-003	1.2600e-003		1.2600e-003	1.2600e-003		19.8594	19.8594	3.8000e-004	3.6000e-004	19.9774
Total		**1.9640**	**17.8529**	**14.9869**	**0.1071**		**1.3569**	**1.3569**		**1.3569**	**1.3569**		**21,425.2106**	**21,425.2106**	**0.4107**	**0.3928**	**21,552.5299**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	36.5630	0.1310	2.1847	5.4700e-003		0.2513	0.2513		0.2513	0.2513	35.4098	128.3051	163.7149	0.1699	2.3300e-003	168.6561
Unmitigated	36.5630	0.1310	2.1847	5.4700e-003		0.2513	0.2513		0.2513	0.2513	35.4098	128.3051	163.7149	0.1699	2.3300e-003	168.6561

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	4.1669					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	32.1902					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1736	0.1235	1.5130	5.4300e-003		0.2480	0.2480		0.2480	0.2480	35.4098	127.0588	162.4687	0.1680	2.3300e-003	167.3620
Landscaping	0.0324	7.5000e-003	0.6717	4.0000e-005		3.3200e-003	3.3200e-003		3.3200e-003	3.3200e-003		1.2462	1.2462	1.9100e-003		1.2941
Total	**36.5630**	**0.1310**	**2.1847**	**5.4700e-003**		**0.2513**	**0.2513**		**0.2513**	**0.2513**	**35.4098**	**128.3051**	**163.7149**	**0.1699**	**2.3300e-003**	**168.6561**

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	4.1669					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	32.1902					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1736	0.1235	1.5130	5.4300e-003		0.2480	0.2480		0.2480	0.2480	35.4098	127.0588	162.4687	0.1680	2.3300e-003	167.3620
Landscaping	0.0324	7.5000e-003	0.6717	4.0000e-005		3.3200e-003	3.3200e-003		3.3200e-003	3.3200e-003		1.2462	1.2462	1.9100e-003		1.2941
Total	**36.5630**	**0.1310**	**2.1847**	**5.4700e-003**		**0.2513**	**0.2513**		**0.2513**	**0.2513**	**35.4098**	**128.3051**	**163.7149**	**0.1699**	**2.3300e-003**	**168.6561**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Existing Operation -2016

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	69.30	1000sqft	16.17	69,295.00	0
Hospital	730.04	1000sqft	16.17	730,044.00	0
Medical Office Building	186.30	1000sqft	16.17	186,296.00	0
Research & Development	457.94	1000sqft	16.17	457,936.00	0
General Light Industry	73.91	1000sqft	1.70	73,909.00	0
Unrefrigerated Warehouse-No Rail	59.24	1000sqft	1.36	59,244.00	0
Parking Lot	31.97	Acre	31.97	1,392,800.00	0
Hotel	13.00	Room	16.17	18,168.00	0
Apartments Low Rise	6.00	Dwelling Unit	0.14	5,958.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2016
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - .

Land Use - Based on information provided by the Applicant. Number of rooms and DUs based on actual square footage and CalEEMod area per room/DU rate.

Construction Phase - Operation run only

Vehicle Trips - Trip generation and trip length based on information provided by Fehr & Peers. For purposes of this analysis, all trips are assigned to the Hospital land use.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - Assumes natural gas fireplaces for all units.

Energy Use - Assumes existing buildings built to meet the 2005 Building Energy Efficiency Standards.

Water And Wastewater - Based on water demand and wasteater information provided by KPFF. Assumes no septic tanks or facultive lagoons. Indoor and outdoor water proportioned evenly for purposes of this analysis.

Solid Waste - Based on solid waste generation as calculated in Chapter 5.16, Utilities and Service Systems.

Energy Mitigation -

Fleet Mix - Based on CalTrans vehicle mix for segment of Interstate 210 west of Interstate 605.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	200.00	1.00
tblFireplaces	NumberGas	5.10	6.00
tblFireplaces	NumberNoFireplace	0.60	0.00
tblFireplaces	NumberWood	0.30	0.00
tblFleetMix	FleetMixLandUseSubType	General Office Building	Apartments Low Rise
tblFleetMix	FleetMixLandUseSubType	Hospital	General Light Industry
tblFleetMix	FleetMixLandUseSubType	Medical Office Building	General Office Building
tblFleetMix	FleetMixLandUseSubType	Research & Development	Hospital
tblFleetMix	FleetMixLandUseSubType	General Light Industry	Hotel
tblFleetMix	FleetMixLandUseSubType	Unrefrigerated Warehouse-No Rail	Medical Office Building
tblFleetMix	FleetMixLandUseSubType	Hotel	Research & Development
tblFleetMix	FleetMixLandUseSubType	Apartments Low Rise	Unrefrigerated Warehouse-No Rail
tblFleetMix	HHD	0.03	0.04

tblFleetMix	LDA	0.55	0.63
tblFleetMix	LDT1	0.05	0.05
tblFleetMix	LDT2	0.20	0.23
tblFleetMix	LHD1	0.02	4.4410e-003
tblFleetMix	LHD2	5.7740e-003	1.3470e-003
tblFleetMix	MCY	4.5380e-003	5.2600e-003
tblFleetMix	MDV	0.13	0.03
tblFleetMix	MH	9.9400e-004	2.3200e-004
tblFleetMix	MHD	0.02	4.1320e-003
tblFleetMix	OBUS	2.2640e-003	5.2800e-004
tblFleetMix	SBUS	6.4600e-004	1.5100e-004
tblFleetMix	UBUS	2.8970e-003	6.7600e-004
tblLandUse	BuildingSpaceSquareFeet	69,300.00	69,295.00
tblLandUse	BuildingSpaceSquareFeet	730,040.00	730,044.00
tblLandUse	BuildingSpaceSquareFeet	186,300.00	186,296.00
tblLandUse	BuildingSpaceSquareFeet	457,940.00	457,936.00
tblLandUse	BuildingSpaceSquareFeet	73,910.00	73,909.00
tblLandUse	BuildingSpaceSquareFeet	59,240.00	59,244.00
tblLandUse	BuildingSpaceSquareFeet	1,392,613.20	1,392,800.00
tblLandUse	BuildingSpaceSquareFeet	18,876.00	18,168.00
tblLandUse	BuildingSpaceSquareFeet	6,000.00	5,958.00
tblLandUse	LandUseSquareFeet	69,300.00	69,295.00
tblLandUse	LandUseSquareFeet	730,040.00	730,044.00
tblLandUse	LandUseSquareFeet	186,300.00	186,296.00
tblLandUse	LandUseSquareFeet	457,940.00	457,936.00
tblLandUse	LandUseSquareFeet	73,910.00	73,909.00
tblLandUse	LandUseSquareFeet	59,240.00	59,244.00
tblLandUse	LandUseSquareFeet	1,392,613.20	1,392,800.00

tblLandUse	LandUseSquareFeet	18,876.00	18,168.00
tblLandUse	LandUseSquareFeet	6,000.00	5,958.00
tblLandUse	LotAcreage	1.59	16.17
tblLandUse	LotAcreage	16.76	16.17
tblLandUse	LotAcreage	4.28	16.17
tblLandUse	LotAcreage	10.51	16.17
tblLandUse	LotAcreage	0.43	16.17
tblLandUse	LotAcreage	0.38	0.14
tblLandUse	Population	17.00	0.00
tblProjectCharacteristics	OperationalYear	2018	2016
tblSolidWaste	SolidWasteGenerationRate	2.76	1,215.00
tblSolidWaste	SolidWasteGenerationRate	91.65	1,215.00
tblSolidWaste	SolidWasteGenerationRate	64.45	1,215.00
tblSolidWaste	SolidWasteGenerationRate	7,884.43	1,215.00
tblSolidWaste	SolidWasteGenerationRate	7.12	1,215.00
tblSolidWaste	SolidWasteGenerationRate	2,012.04	1,215.00
tblSolidWaste	SolidWasteGenerationRate	0.00	1,215.00
tblSolidWaste	SolidWasteGenerationRate	34.80	1,215.00
tblSolidWaste	SolidWasteGenerationRate	55.69	1,215.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	16.10	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	14.33
tblVehicleTrips	CW_TTP	64.90	100.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PR_TP	73.00	100.00

tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	10.18	16.34
tblVehicleTrips	ST_TR	8.19	0.00
tblVehicleTrips	ST_TR	8.96	0.00
tblVehicleTrips	ST_TR	1.90	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	8.91	16.34
tblVehicleTrips	SU_TR	5.95	0.00
tblVehicleTrips	SU_TR	1.55	0.00
tblVehicleTrips	SU_TR	1.11	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	13.22	16.34
tblVehicleTrips	WD_TR	8.17	0.00
tblVehicleTrips	WD_TR	36.13	0.00
tblVehicleTrips	WD_TR	8.11	0.00
tblVehicleTrips	WD_TR	1.68	0.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00

tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	390,924.15	18,804,435.00
tblWater	IndoorWaterUseRate	17,091,687.50	18,804,435.00
tblWater	IndoorWaterUseRate	12,316,948.74	18,804,435.00
tblWater	IndoorWaterUseRate	91,605,811.64	18,804,435.00
tblWater	IndoorWaterUseRate	329,768.01	18,804,435.00
tblWater	IndoorWaterUseRate	23,377,024.15	18,804,435.00
tblWater	IndoorWaterUseRate	225,166,326.18	18,804,435.00
tblWater	IndoorWaterUseRate	13,699,250.00	18,804,435.00
tblWater	OutdoorWaterUseRate	246,452.18	2,089,397.00
tblWater	OutdoorWaterUseRate	0.00	2,089,397.00
tblWater	OutdoorWaterUseRate	7,549,097.61	2,089,397.00
tblWater	OutdoorWaterUseRate	17,448,726.03	2,089,397.00
tblWater	OutdoorWaterUseRate	36,640.89	2,089,397.00
tblWater	OutdoorWaterUseRate	4,452,766.50	2,089,397.00
tblWater	OutdoorWaterUseRate	0.00	2,089,397.00
tblWater	OutdoorWaterUseRate	0.00	2,089,397.00

tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

2.0 Emissions Summary

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	6.6414	2.4800e-003	0.1029	7.0000e-005		3.5100e-003	3.5100e-003		3.5100e-003	3.5100e-003	0.4015	1.5821	1.9837	2.1200e-003	3.0000e-005	2.0446
Energy	0.3584	3.2582	2.7351	0.0196		0.2476	0.2476		0.2476	0.2476	0.0000	13,220.6296	13,220.6296	0.4674	0.1477	13,276.3158
Mobile	7.8456	40.7160	121.6581	0.3107	23.3909	0.4193	23.8102	6.2321	0.3951	6.6272	0.0000	28,484.4899	28,484.4899	1.5914	0.0000	28,524.2748
Waste						0.0000	0.0000		0.0000	0.0000	2,219.7062	0.0000	2,219.7062	131.1809	0.0000	5,499.2281
Water						0.0000	0.0000		0.0000	0.0000	53.2243	683.2919	736.5162	0.2114	0.1216	778.0327
Total	**14.8454**	**43.9766**	**124.4961**	**0.3303**	**23.3909**	**0.6704**	**24.0614**	**6.2321**	**0.6463**	**6.8784**	**2,273.3320**	**42,389.9935**	**44,663.3255**	**133.4532**	**0.2693**	**48,079.8959**

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	6.6414	2.4800e-003	0.1029	7.0000e-005		3.5100e-003	3.5100e-003		3.5100e-003	3.5100e-003	0.4015	1.5821	1.9837	2.1200e-003	3.0000e-005	2.0446
Energy	0.3584	3.2582	2.7351	0.0196		0.2476	0.2476		0.2476	0.2476	0.0000	13,220.2488	13,220.2488	0.4673	0.1477	13,275.9337
Mobile	7.8456	40.7160	121.6581	0.3107	23.3909	0.4193	23.8102	6.2321	0.3951	6.6272	0.0000	28,484.4899	28,484.4899	1.5914	0.0000	28,524.2748
Waste						0.0000	0.0000		0.0000	0.0000	2,219.7062	0.0000	2,219.7062	131.1809	0.0000	5,499.2281
Water						0.0000	0.0000		0.0000	0.0000	53.2243	683.2919	736.5162	0.2114	0.1216	778.0327
Total	**14.8454**	**43.9766**	**124.4961**	**0.3303**	**23.3909**	**0.6704**	**24.0614**	**6.2321**	**0.6463**	**6.8784**	**2,273.3320**	**42,389.6128**	**44,662.9448**	**133.4531**	**0.2693**	**48,079.5138**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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**

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	7.8456	40.7160	121.6581	0.3107	23.3909	0.4193	23.8102	6.2321	0.3951	6.6272	0.0000	28,484.4899	28,484.4899	1.5914	0.0000	28,524.2748
Unmitigated	7.8456	40.7160	121.6581	0.3107	23.3909	0.4193	23.8102	6.2321	0.3951	6.6272	0.0000	28,484.4899	28,484.4899	1.5914	0.0000	28,524.2748

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
General Light Industry	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Hospital	11,928.85	11,928.85	11928.85	62,222,332	62,222,332
Hotel	0.00	0.00	0.00		
Medical Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Research & Development	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	11,928.85	11,928.85	11,928.85	62,222,332	62,222,332

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
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Hospital	14.33	0.00	0.00	100.00	0.00	0.00	100	0	0
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Research & Development	16.60	8.40	6.90	33.00	48.00	19.00	82	15	3
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.546581	0.047315	0.196959	0.128768	0.019038	0.005774	0.017712	0.026513	0.002264	0.002897	0.004538	0.000646	0.000994
General Light Industry	0.546581	0.047315	0.196959	0.128768	0.019038	0.005774	0.017712	0.026513	0.002264	0.002897	0.004538	0.000646	0.000994
General Office Building	0.546581	0.047315	0.196959	0.128768	0.019038	0.005774	0.017712	0.026513	0.002264	0.002897	0.004538	0.000646	0.000994
Hospital	0.633583	0.054846	0.228310	0.026012	0.004441	0.001347	0.004132	0.040482	0.000528	0.000676	0.005260	0.000151	0.000232
Hotel	0.546581	0.047315	0.196959	0.128768	0.019038	0.005774	0.017712	0.026513	0.002264	0.002897	0.004538	0.000646	0.000994
Medical Office Building	0.546581	0.047315	0.196959	0.128768	0.019038	0.005774	0.017712	0.026513	0.002264	0.002897	0.004538	0.000646	0.000994
Parking Lot	0.546581	0.047315	0.196959	0.128768	0.019038	0.005774	0.017712	0.026513	0.002264	0.002897	0.004538	0.000646	0.000994
Research & Development	0.546581	0.047315	0.196959	0.128768	0.019038	0.005774	0.017712	0.026513	0.002264	0.002897	0.004538	0.000646	0.000994
Unrefrigerated Warehouse-No Rail	0.546581	0.047315	0.196959	0.128768	0.019038	0.005774	0.017712	0.026513	0.002264	0.002897	0.004538	0.000646	0.000994

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

Kilowatt Hours of Renewable Electricity Generated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	9,673.0649	9,673.0649	0.3994	0.0826	9,707.6706
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	9,673.4457	9,673.4457	0.3994	0.0826	9,708.0527
NaturalGas Mitigated	0.3584	3.2582	2.7351	0.0196		0.2476	0.2476		0.2476	0.2476	0.0000	3,547.1839	3,547.1839	0.0680	0.0650	3,568.2630
NaturalGas Unmitigated	0.3584	3.2582	2.7351	0.0196		0.2476	0.2476		0.2476	0.2476	0.0000	3,547.1839	3,547.1839	0.0680	0.0650	3,568.2630

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	90633.8	4.9000e-004	4.1800e-003	1.7800e-003	3.0000e-005		3.4000e-004	3.4000e-004		3.4000e-004	3.4000e-004	0.0000	4.8366	4.8366	9.0000e-005	9.0000e-005	4.8653
General Light Industry	1.4634e+006	7.8900e-003	0.0717	0.0603	4.3000e-004		5.4500e-003	5.4500e-003		5.4500e-003	5.4500e-003	0.0000	78.0925	78.0925	1.5000e-003	1.4300e-003	78.5566
General Office Building	862030	4.6500e-003	0.0423	0.0355	2.5000e-004		3.2100e-003	3.2100e-003		3.2100e-003	3.2100e-003	0.0000	46.0012	46.0012	8.8000e-004	8.4000e-004	46.2746
Hospital	5.21397e+007	0.2812	2.5559	2.1469	0.0153		0.1943	0.1943		0.1943	0.1943	0.0000	2,782.3752	2,782.3752	0.0533	0.0510	2,798.9095
Hotel	469643	2.5300e-003	0.0230	0.0193	1.4000e-004		1.7500e-003	1.7500e-003		1.7500e-003	1.7500e-003	0.0000	25.0619	25.0619	4.8000e-004	4.6000e-004	25.2109
Medical Office Building	2.31752e+006	0.0125	0.1136	0.0954	6.8000e-004		8.6300e-003	8.6300e-003		8.6300e-003	8.6300e-003	0.0000	123.6718	123.6718	2.3700e-003	2.2700e-003	124.4067
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	9.06713e+006	0.0489	0.4445	0.3734	2.6700e-003		0.0338	0.0338		0.0338	0.0338	0.0000	483.8567	483.8567	9.2700e-003	8.8700e-003	486.7321
Unrefrigerated Warehouse-No Rail	61613.8	3.3000e-004	3.0200e-003	2.5400e-003	2.0000e-005		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004	0.0000	3.2879	3.2879	6.0000e-005	6.0000e-005	3.3075
Total		**0.3584**	**3.2582**	**2.7351**	**0.0196**		**0.2476**	**0.2476**		**0.2476**	**0.2476**	**0.0000**	**3,547.1839**	**3,547.1839**	**0.0680**	**0.0650**	**3,568.2630**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	90633.8	4.9000e-004	4.1800e-003	1.7800e-003	3.0000e-005		3.4000e-004	3.4000e-004		3.4000e-004	3.4000e-004	0.0000	4.8366	4.8366	9.0000e-005	9.0000e-005	4.8653
General Light Industry	1.4634e+006	7.8900e-003	0.0717	0.0603	4.3000e-004		5.4500e-003	5.4500e-003		5.4500e-003	5.4500e-003	0.0000	78.0925	78.0925	1.5000e-003	1.4300e-003	78.5566
General Office Building	862030	4.6500e-003	0.0423	0.0355	2.5000e-004		3.2100e-003	3.2100e-003		3.2100e-003	3.2100e-003	0.0000	46.0012	46.0012	8.8000e-004	8.4000e-004	46.2746
Hospital	5.21397e+007	0.2812	2.5559	2.1469	0.0153		0.1943	0.1943		0.1943	0.1943	0.0000	2,782.3752	2,782.3752	0.0533	0.0510	2,798.9095
Hotel	469643	2.5300e-003	0.0230	0.0193	1.4000e-004		1.7500e-003	1.7500e-003		1.7500e-003	1.7500e-003	0.0000	25.0619	25.0619	4.8000e-004	4.6000e-004	25.2109
Medical Office Building	2.31752e+006	0.0125	0.1136	0.0954	6.8000e-004		8.6300e-003	8.6300e-003		8.6300e-003	8.6300e-003	0.0000	123.6718	123.6718	2.3700e-003	2.2700e-003	124.4067
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	9.06713e+006	0.0489	0.4445	0.3734	2.6700e-003		0.0338	0.0338		0.0338	0.0338	0.0000	483.8567	483.8567	9.2700e-003	8.8700e-003	486.7321
Unrefrigerated Warehouse-No Rail	61613.8	3.3000e-004	3.0200e-003	2.5400e-003	2.0000e-005		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004	0.0000	3.2879	3.2879	6.0000e-005	6.0000e-005	3.3075
Total		**0.3584**	**3.2582**	**2.7351**	**0.0196**		**0.2476**	**0.2476**		**0.2476**	**0.2476**	**0.0000**	**3,547.1839**	**3,547.1839**	**0.0680**	**0.0650**	**3,568.2630**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	22365.5	7.1261	2.9000e-004	6.0000e-005	7.1516
General Light Industry	926819	295.3044	0.0122	2.5200e-003	296.3608
General Office Building	1.05606e+006	336.4820	0.0139	2.8700e-003	337.6858
Hospital	1.81124e+007	5,770.9960	0.2383	0.0493	5,791.6419
Hotel	164602	52.4458	2.1700e-003	4.5000e-004	52.6334
Medical Office Building	2.83915e+006	904.6144	0.0374	7.7300e-003	907.8506
Parking Lot	1.22566e+006	390.5228	0.0161	3.3400e-003	391.9199
Research & Development	5.74252e+006	1,829.6891	0.0755	0.0156	1,836.2349
Unrefrigerated Warehouse-No Rail	270745	86.2652	3.5600e-003	7.4000e-004	86.5738
Total		**9,673.4457**	**0.3994**	**0.0826**	**9,708.0527**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	22232.8	7.0838	2.9000e-004	6.0000e-005	7.1092
General Light Industry	926686	295.2620	0.0122	2.5200e-003	296.3184
General Office Building	1.05592e+006	336.4397	0.0139	2.8700e-003	337.6433
Hospital	1.81123e+007	5,770.9537	0.2383	0.0493	5,791.5995
Hotel	164469	52.4034	2.1600e-003	4.5000e-004	52.5909
Medical Office Building	2.83902e+006	904.5720	0.0373	7.7300e-003	907.8082
Parking Lot	1.22553e+006	390.4805	0.0161	3.3400e-003	391.8775
Research & Development	5.74238e+006	1,829.6468	0.0755	0.0156	1,836.1924
Unrefrigerated Warehouse-No Rail	270612	86.2229	3.5600e-003	7.4000e-004	86.5313
Total		**9,673.0649**	**0.3993**	**0.0826**	**9,707.6706**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	6.6414	2.4800e-003	0.1029	7.0000e-005		3.5100e-003	3.5100e-003		3.5100e-003	3.5100e-003	0.4015	1.5821	1.9837	2.1200e-003	3.0000e-005	2.0446
Unmitigated	6.6414	2.4800e-003	0.1029	7.0000e-005		3.5100e-003	3.5100e-003		3.5100e-003	3.5100e-003	0.4015	1.5821	1.9837	2.1200e-003	3.0000e-005	2.0446

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.7605					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.8747					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	2.1700e-003	1.5400e-003	0.0189	7.0000e-005		3.1000e-003	3.1000e-003		3.1000e-003	3.1000e-003	0.4015	1.4408	1.8424	1.9000e-003	3.0000e-005	1.8979
Landscaping	4.0500e-003	9.4000e-004	0.0840	0.0000		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004	0.0000	0.1413	0.1413	2.2000e-004	0.0000	0.1467
Total	**6.6414**	**2.4800e-003**	**0.1029**	**7.0000e-005**		**3.5200e-003**	**3.5200e-003**		**3.5200e-003**	**3.5200e-003**	**0.4015**	**1.5821**	**1.9837**	**2.1200e-003**	**3.0000e-005**	**2.0446**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.7605					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.8747					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	2.1700e-003	1.5400e-003	0.0189	7.0000e-005		3.1000e-003	3.1000e-003		3.1000e-003	3.1000e-003	0.4015	1.4408	1.8424	1.9000e-003	3.0000e-005	1.8979
Landscaping	4.0500e-003	9.4000e-004	0.0840	0.0000		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004	0.0000	0.1413	0.1413	2.2000e-004	0.0000	0.1467
Total	**6.6414**	**2.4800e-003**	**0.1029**	**7.0000e-005**		**3.5200e-003**	**3.5200e-003**		**3.5200e-003**	**3.5200e-003**	**0.4015**	**1.5821**	**1.9837**	**2.1200e-003**	**3.0000e-005**	**2.0446**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	736.5162	0.2114	0.1216	778.0327
Unmitigated	736.5162	0.2114	0.1216	778.0327

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
General Light Industry	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
General Office Building	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Hospital	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Hotel	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Medical Office Building	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Research & Development	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Unrefrigerated Warehouse-No Rail	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Total		**736.5162**	**0.2114**	**0.1216**	**778.0327**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
General Light Industry	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
General Office Building	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Hospital	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Hotel	18.8044 /	92.0645	0.0264	0.0152	97.2541
Medical Office Building	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Research & Development	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Unrefrigerated Warehouse-No	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Total		**736.5162**	**0.2114**	**0.1216**	**778.0327**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	2,219.7062	131.1809	0.0000	5,499.2281
Unmitigated	2,219.7062	131.1809	0.0000	5,499.2281

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	1215	246.6340	14.5757	0.0000	611.0254
General Light Industry	1215	246.6340	14.5757	0.0000	611.0254
General Office Building	1215	246.6340	14.5757	0.0000	611.0254
Hospital	1215	246.6340	14.5757	0.0000	611.0254
Hotel	1215	246.6340	14.5757	0.0000	611.0254
Medical Office Building	1215	246.6340	14.5757	0.0000	611.0254
Parking Lot	1215	246.6340	14.5757	0.0000	611.0254
Research & Development	1215	246.6340	14.5757	0.0000	611.0254
Unrefrigerated Warehouse-No Rail	1215	246.6340	14.5757	0.0000	611.0254
Total		**2,219.7062**	**131.1809**	**0.0000**	**5,499.2282**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	1215	246.6340	14.5757	0.0000	611.0254
General Light Industry	1215	246.6340	14.5757	0.0000	611.0254
General Office Building	1215	246.6340	14.5757	0.0000	611.0254
Hospital	1215	246.6340	14.5757	0.0000	611.0254
Hotel	1215	246.6340	14.5757	0.0000	611.0254
Medical Office Building	1215	246.6340	14.5757	0.0000	611.0254
Parking Lot	1215	246.6340	14.5757	0.0000	611.0254
Research & Development	1215	246.6340	14.5757	0.0000	611.0254
Unrefrigerated Warehouse-No Rail	1215	246.6340	14.5757	0.0000	611.0254
Total		**2,219.7062**	**131.1809**	**0.0000**	**5,499.2282**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Existing Operation -2016

Los Angeles-South Coast, Summary Report

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	69.30	1000sqft	16.17	69,295.00	0
Hospital	730.04	1000sqft	16.17	730,044.00	0
Medical Office Building	186.30	1000sqft	16.17	186,296.00	0
Research & Development	457.94	1000sqft	16.17	457,936.00	0
General Light Industry	73.91	1000sqft	1.70	73,909.00	0
Unrefrigerated Warehouse-No Rail	59.24	1000sqft	1.36	59,244.00	0
Parking Lot	31.97	Acre	31.97	1,392,800.00	0
Hotel	13.00	Room	16.17	18,168.00	0
Apartments Low Rise	6.00	Dwelling Unit	0.14	5,958.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2016
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments

Only CalEEMod defaults were used.

Project Characteristics - .

Land Use - Based on information provided by the Applicant. Number of rooms and DUs based on actual square footage and CalEEMod area per room/DU rate.

Construction Phase - Operation run only

Vehicle Trips - Trip generation and trip length based on information provided by Fehr & Peers. For purposes of this analysis, all trips are assigned to the Hospital land use.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - Assumes natural gas fireplaces for all units.

Energy Use - Assumes existing buildings built to meet the 2005 Building Energy Efficiency Standards.

Water And Wastewater - Based on water demand and wasteater information provided by KPFF. Assumes no septic tanks or facultive lagoons. Indoor and outdoor water proportioned evenly for purposes of this analysis.

Solid Waste - Based on solid waste generation as calculated in Chapter 5.16, Utilities and Service Systems.

Energy Mitigation -

Fleet Mix - Based on CalTrans vehicle mix for segment of Interstate 210 west of Interstate 605.

2.0 Peak Daily Emissions

Peak Daily Operational Emissions

Peak Daily Operational Emissions

		Unmitigated						Mitigated					
		ROG	NOX	CO	SO2	PM10	PM2.5	ROG	NOX	CO	SO2	PM10	PM2.5
	Operational Activity	lb/day											
On-Site	Area	36.5630 S	0.1310 S	2.1847 S	5.4700e-003 S	0.2513 S	0.2513 S	36.5630 S	0.1310 S	2.1847 S	5.4700e-003 S	0.2513 S	0.2513 S
On-Site	Energy	1.9640 S	17.8529 S	14.9869 S	0.1071 S	1.3569 S	1.3569 S	1.9640 S	17.8529 S	14.9869 S	0.1071 S	1.3569 S	1.3569 S
Off-Site	Mobile	44.7615 S	219.2434 W	698.3002 S	1.7734 S	133.3928 W	37.0530 W	44.7615 S	219.2434 W	698.3002 S	1.7734 S	133.3928 W	37.0530 W
	Peak Daily Total	83.2885 S	237.2273 W	715.4718 S	1.8860 S	135.0010 W	38.6612 W	83.2885 S	237.2273 W	715.4718 S	1.8860 S	135.0010 W	38.6612 W
	Air District Threshold												
	Exceed Significance?												

3.0 Annual GHG Emissions

Annual GHG

Annual GHG

		Unmitigated				Mitigated			
		CO2	CH4	N2O	CO2e	CO2	CH4	N2O	CO2e
GHG Activity	Year	MT/yr							
Operational	2016	44,663.3255	133.4531	0.2693	48,079.8968	44,662.9448	133.4531	0.2693	48,079.5129
	Total								
	Significance Threshold								
	Exceed Significance?								

Existing Operation -2016

Los Angeles-South Coast County, Mitigation Report

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting:

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value 3
No	Land Use	Increase Density	0.00			
No	Land Use	Increase Diversity	0.12	0.35		
No	Land Use	Improve Walkability Design	0.00			
No	Land Use	Improve Destination Accessibility	0.00			
No	Land Use	Increase Transit Accessibility	0.25			

No	Land Use	Integrate Below Market Rate Housing	0.00			
	Land Use	Land Use SubTotal	0.00			
No	Neighborhood Enhancements	Improve Pedestrian Network				
No	Neighborhood Enhancements	Provide Traffic Calming Measures				
No	Neighborhood Enhancements	Implement NEV Network	0.00			
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00			
No	Parking Policy Pricing	Limit Parking Supply	0.00			
No	Parking Policy Pricing	Unbundle Parking Costs	0.00			
No	Parking Policy Pricing	On-street Market Pricing	0.00			
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00			
No	Transit Improvements	Provide BRT System	0.00			
No	Transit Improvements	Expand Transit Network	0.00			
No	Transit Improvements	Increase Transit Frequency	0.00			
	Transit Improvements	Transit Improvements Subtotal	0.00			
		Land Use and Site Enhancement Subtotal	0.00			
No	Commute	Implement Trip Reduction Program				
No	Commute	Transit Subsidy				
No	Commute	Implement Employee Parking "Cash Out"				
No	Commute	Workplace Parking Charge				
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00			
No	Commute	Market Commute Trip Reduction Option	0.00			
No	Commute	Employee Vanpool/Shuttle	0.00		2.00	
No	Commute	Provide Ride Sharing Program				
	Commute	Commute Subtotal	0.00			
No	School Trip	Implement School Bus Program	0.00			
		Total VMT Reduction	0.00			

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
No	No Hearth	
No	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	50.00
No	Use Low VOC Paint (Residential Exterior)	50.00
No	Use Low VOC Paint (Non-residential Interior)	100.00
No	Use Low VOC Paint (Non-residential Exterior)	100.00
No	Use Low VOC Paint (Parking)	100.00
No	% Electric Lawnmower	
No	% Electric Leafblower	
No	% Electric Chainsaw	

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Exceed Title 24		
No	Install High Efficiency Lighting		
Yes	On-site Renewable	1,195.00	

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Apply Water Conservation on Strategy		
No	Use Reclaimed Water		
No	Use Grey Water		
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction		
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape		

Solid Waste Mitigation

Mitigation Measures	Input Value
Institute Recycling and Composting Services Percent Reduction in Waste Disposed	

CalEEMod Output: Operation – Existing (Phase 1)

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Existing Operation -2021

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	69.30	1000sqft	16.17	69,295.00	0
Hospital	730.04	1000sqft	16.17	730,044.00	0
Medical Office Building	186.30	1000sqft	16.17	186,296.00	0
Research & Development	457.94	1000sqft	16.17	457,936.00	0
General Light Industry	73.91	1000sqft	1.70	73,909.00	0
Unrefrigerated Warehouse-No Rail	59.24	1000sqft	1.36	59,244.00	0
Parking Lot	31.97	Acre	31.97	1,392,800.00	0
Hotel	13.00	Room	16.17	18,168.00	0
Apartments Low Rise	6.00	Dwelling Unit	0.14	5,958.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - .

Land Use - Based on information provided by the Applicant. Number of rooms and DUs based on actual square footage and CalEEMod area per room/DU rate.

Construction Phase - Operation run only

Vehicle Trips - Trip generation and trip length based on information provided by Fehr & Peers. For purposes of this analysis, all trips are assigned to the Hospital land use.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - Assumes natural gas fireplaces for all units.

Energy Use - Assumes existing buildings built to meet the 2005 Building Energy Efficiency Standards.

Water And Wastewater - Based on water demand and wasteater information provided by KPFF. Assumes no septic tanks or facultive lagoons. Indoor and outdoor water proportioned evenly for purposes of this analysis.

Solid Waste - Based on solid waste generation as calculated in Chapter 5.16, Utilities and Service Systems.

Energy Mitigation -

Fleet Mix - Based on CalTrans vehicle mix for segment of Interstate 210 west of Interstate 605.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	200.00	1.00
tblFireplaces	NumberGas	5.10	6.00
tblFireplaces	NumberNoFireplace	0.60	0.00
tblFireplaces	NumberWood	0.30	0.00
tblFleetMix	FleetMixLandUseSubType	General Office Building	Apartments Low Rise
tblFleetMix	FleetMixLandUseSubType	Hospital	General Light Industry
tblFleetMix	FleetMixLandUseSubType	Medical Office Building	General Office Building
tblFleetMix	FleetMixLandUseSubType	Research & Development	Hospital
tblFleetMix	FleetMixLandUseSubType	General Light Industry	Hotel
tblFleetMix	FleetMixLandUseSubType	Unrefrigerated Warehouse-No Rail	Medical Office Building
tblFleetMix	FleetMixLandUseSubType	Hotel	Research & Development
tblFleetMix	FleetMixLandUseSubType	Apartments Low Rise	Unrefrigerated Warehouse-No Rail

tblFleetMix	HHD	0.03	0.04
tblFleetMix	LDA	0.55	0.63
tblFleetMix	LDT1	0.05	0.05
tblFleetMix	LDT2	0.20	0.23
tblFleetMix	LHD1	0.02	3.8420e-003
tblFleetMix	LHD2	6.1430e-003	1.4620e-003
tblFleetMix	MCY	5.0780e-003	5.8510e-003
tblFleetMix	MDV	0.12	0.03
tblFleetMix	MH	8.9100e-004	2.1200e-004
tblFleetMix	MHD	0.02	4.6980e-003
tblFleetMix	OBUS	2.4790e-003	5.9000e-004
tblFleetMix	SBUS	6.8200e-004	1.6200e-004
tblFleetMix	UBUS	2.2700e-003	5.4000e-004
tblLandUse	BuildingSpaceSquareFeet	69,300.00	69,295.00
tblLandUse	BuildingSpaceSquareFeet	730,040.00	730,044.00
tblLandUse	BuildingSpaceSquareFeet	186,300.00	186,296.00
tblLandUse	BuildingSpaceSquareFeet	457,940.00	457,936.00
tblLandUse	BuildingSpaceSquareFeet	73,910.00	73,909.00
tblLandUse	BuildingSpaceSquareFeet	59,240.00	59,244.00
tblLandUse	BuildingSpaceSquareFeet	1,392,613.20	1,392,800.00
tblLandUse	BuildingSpaceSquareFeet	18,876.00	18,168.00
tblLandUse	BuildingSpaceSquareFeet	6,000.00	5,958.00
tblLandUse	LandUseSquareFeet	69,300.00	69,295.00
tblLandUse	LandUseSquareFeet	730,040.00	730,044.00
tblLandUse	LandUseSquareFeet	186,300.00	186,296.00
tblLandUse	LandUseSquareFeet	457,940.00	457,936.00
tblLandUse	LandUseSquareFeet	73,910.00	73,909.00
tblLandUse	LandUseSquareFeet	59,240.00	59,244.00

tblLandUse	LandUseSquareFeet	1,392,613.20	1,392,800.00
tblLandUse	LandUseSquareFeet	18,876.00	18,168.00
tblLandUse	LandUseSquareFeet	6,000.00	5,958.00
tblLandUse	LotAcreage	1.59	16.17
tblLandUse	LotAcreage	16.76	16.17
tblLandUse	LotAcreage	4.28	16.17
tblLandUse	LotAcreage	10.51	16.17
tblLandUse	LotAcreage	0.43	16.17
tblLandUse	LotAcreage	0.38	0.14
tblLandUse	Population	17.00	0.00
tblProjectCharacteristics	OperationalYear	2018	2021
tblSolidWaste	SolidWasteGenerationRate	2.76	1,215.00
tblSolidWaste	SolidWasteGenerationRate	91.65	1,215.00
tblSolidWaste	SolidWasteGenerationRate	64.45	1,215.00
tblSolidWaste	SolidWasteGenerationRate	7,884.43	1,215.00
tblSolidWaste	SolidWasteGenerationRate	7.12	1,215.00
tblSolidWaste	SolidWasteGenerationRate	2,012.04	1,215.00
tblSolidWaste	SolidWasteGenerationRate	0.00	1,215.00
tblSolidWaste	SolidWasteGenerationRate	34.80	1,215.00
tblSolidWaste	SolidWasteGenerationRate	55.69	1,215.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	16.10	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	14.30
tblVehicleTrips	CW_TTP	64.90	100.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00

tblVehicleTrips	PR_TP	73.00	100.00
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	10.18	16.30
tblVehicleTrips	ST_TR	8.19	0.00
tblVehicleTrips	ST_TR	8.96	0.00
tblVehicleTrips	ST_TR	1.90	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	8.91	16.30
tblVehicleTrips	SU_TR	5.95	0.00
tblVehicleTrips	SU_TR	1.55	0.00
tblVehicleTrips	SU_TR	1.11	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	13.22	16.30
tblVehicleTrips	WD_TR	8.17	0.00
tblVehicleTrips	WD_TR	36.13	0.00
tblVehicleTrips	WD_TR	8.11	0.00
tblVehicleTrips	WD_TR	1.68	0.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00

tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	390,924.15	18,804,435.00
tblWater	IndoorWaterUseRate	17,091,687.50	18,804,435.00
tblWater	IndoorWaterUseRate	12,316,948.74	18,804,435.00
tblWater	IndoorWaterUseRate	91,605,811.64	18,804,435.00
tblWater	IndoorWaterUseRate	329,768.01	18,804,435.00
tblWater	IndoorWaterUseRate	23,377,024.15	18,804,435.00
tblWater	IndoorWaterUseRate	225,166,326.18	18,804,435.00
tblWater	IndoorWaterUseRate	13,699,250.00	18,804,435.00
tblWater	OutdoorWaterUseRate	246,452.18	2,089,397.00
tblWater	OutdoorWaterUseRate	0.00	2,089,397.00
tblWater	OutdoorWaterUseRate	7,549,097.61	2,089,397.00
tblWater	OutdoorWaterUseRate	17,448,726.03	2,089,397.00
tblWater	OutdoorWaterUseRate	36,640.89	2,089,397.00
tblWater	OutdoorWaterUseRate	4,452,766.50	2,089,397.00
tblWater	OutdoorWaterUseRate	0.00	2,089,397.00

tblWater	OutdoorWaterUseRate	0.00	2,089,397.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

2.0 Emissions Summary

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	36.5612	0.1308	2.1753	5.4700e-003		0.2513	0.2513		0.2513	0.2513	35.4098	128.3051	163.7149	0.1698	2.3300e-003	168.6534
Energy	1.9640	17.8529	14.9869	0.1071		1.3569	1.3569		1.3569	1.3569		21,425.2106	21,425.2106	0.4107	0.3928	21,552.5299
Mobile	27.1498	141.0632	427.8552	1.5395	130.4494	1.2274	131.6768	34.6974	1.1434	35.8407		156,218.2384	156,218.2384	6.8564		156,389.6485
Total	**65.6750**	**159.0469**	**445.0174**	**1.6521**	**130.4494**	**2.8356**	**133.2850**	**34.6974**	**2.7516**	**37.4489**	**35.4098**	**177,771.7541**	**177,807.1639**	**7.4368**	**0.3951**	**178,110.8318**

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	36.5612	0.1308	2.1753	5.4700e-003		0.2513	0.2513		0.2513	0.2513	35.4098	128.3051	163.7149	0.1698	2.3300e-003	168.6534
Energy	1.9640	17.8529	14.9869	0.1071		1.3569	1.3569		1.3569	1.3569		21,425.2106	21,425.2106	0.4107	0.3928	21,552.5299
Mobile	27.1498	141.0632	427.8552	1.5395	130.4494	1.2274	131.6768	34.6974	1.1434	35.8407		156,218.2384	156,218.2384	6.8564		156,389.6485
Total	**65.6750**	**159.0469**	**445.0174**	**1.6521**	**130.4494**	**2.8356**	**133.2850**	**34.6974**	**2.7516**	**37.4489**	**35.4098**	**177,771.7541**	**177,807.1639**	**7.4368**	**0.3951**	**178,110.8318**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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**

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	27.1498	141.0632	427.8552	1.5395	130.4494	1.2274	131.6768	34.6974	1.1434	35.8407		156,218.2384	156,218.2384	6.8564		156,389.6485
Unmitigated	27.1498	141.0632	427.8552	1.5395	130.4494	1.2274	131.6768	34.6974	1.1434	35.8407		156,218.2384	156,218.2384	6.8564		156,389.6485

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
General Light Industry	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Hospital	11,899.65	11,899.65	11899.65	61,940,069	61,940,069
Hotel	0.00	0.00	0.00		
Medical Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Research & Development	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	11,899.65	11,899.65	11,899.65	61,940,069	61,940,069

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
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Hospital	14.30	0.00	0.00	100.00	0.00	0.00	100	0	0
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Research & Development	16.60	8.40	6.90	33.00	48.00	19.00	82	15	3
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
General Light Industry	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
General Office Building	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Hospital	0.630489	0.052054	0.233606	0.026012	0.003842	0.001462	0.004698	0.040482	0.000590	0.000540	0.005851	0.000162	0.000212
Hotel	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Medical Office Building	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Parking Lot	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Research & Development	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Unrefrigerated Warehouse-No Rail	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

Kilowatt Hours of Renewable Electricity Generated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.9640	17.8529	14.9869	0.1071		1.3569	1.3569		1.3569	1.3569		21,425.2106	21,425.2106	0.4107	0.3928	21,552.5299
NaturalGas Unmitigated	1.9640	17.8529	14.9869	0.1071		1.3569	1.3569		1.3569	1.3569		21,425.2106	21,425.2106	0.4107	0.3928	21,552.5299

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	248.312	2.6800e-003	0.0229	9.7400e-003	1.5000e-004		1.8500e-003	1.8500e-003		1.8500e-003	1.8500e-003		29.2131	29.2131	5.6000e-004	5.4000e-004	29.3867
General Light Industry	4009.31	0.0432	0.3931	0.3302	2.3600e-003		0.0299	0.0299		0.0299	0.0299		471.6836	471.6836	9.0400e-003	8.6500e-003	474.4865
General Office Building	2361.73	0.0255	0.2315	0.1945	1.3900e-003		0.0176	0.0176		0.0176	0.0176		277.8501	277.8501	5.3300e-003	5.0900e-003	279.5012
Hospital	142849	1.5405	14.0048	11.7640	0.0840		1.0644	1.0644		1.0644	1.0644		16,805.7188	16,805.7188	0.3221	0.3081	16,905.5868
Hotel	1286.69	0.0139	0.1262	0.1060	7.6000e-004		9.5900e-003	9.5900e-003		9.5900e-003	9.5900e-003		151.3756	151.3756	2.9000e-003	2.7800e-003	152.2752
Medical Office Building	6349.38	0.0685	0.6225	0.5229	3.7300e-003		0.0473	0.0473		0.0473	0.0473		746.9854	746.9854	0.0143	0.0137	751.4244
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	24841.5	0.2679	2.4354	2.0458	0.0146		0.1851	0.1851		0.1851	0.1851		2,922.5247	2,922.5247	0.0560	0.0536	2,939.8918
Unrefrigerated Warehouse-No Rail	168.805	1.8200e-003	0.0166	0.0139	1.0000e-004		1.2600e-003	1.2600e-003		1.2600e-003	1.2600e-003		19.8594	19.8594	3.8000e-004	3.6000e-004	19.9774
Total		**1.9640**	**17.8529**	**14.9869**	**0.1071**		**1.3569**	**1.3569**		**1.3569**	**1.3569**		**21,425.2106**	**21,425.2106**	**0.4107**	**0.3928**	**21,552.5299**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	0.248312	2.6800e-003	0.0229	9.7400e-003	1.5000e-004		1.8500e-003	1.8500e-003		1.8500e-003	1.8500e-003		29.2131	29.2131	5.6000e-004	5.4000e-004	29.3867
General Light Industry	4.00931	0.0432	0.3931	0.3302	2.3600e-003		0.0299	0.0299		0.0299	0.0299		471.6836	471.6836	9.0400e-003	8.6500e-003	474.4865
General Office Building	2.36173	0.0255	0.2315	0.1945	1.3900e-003		0.0176	0.0176		0.0176	0.0176		277.8501	277.8501	5.3300e-003	5.0900e-003	279.5012
Hospital	142.849	1.5405	14.0048	11.7640	0.0840		1.0644	1.0644		1.0644	1.0644		16,805.7188	16,805.7188	0.3221	0.3081	16,905.5868
Hotel	1.28669	0.0139	0.1262	0.1060	7.6000e-004		9.5900e-003	9.5900e-003		9.5900e-003	9.5900e-003		151.3756	151.3756	2.9000e-003	2.7800e-003	152.2752
Medical Office Building	6.34938	0.0685	0.6225	0.5229	3.7300e-003		0.0473	0.0473		0.0473	0.0473		746.9854	746.9854	0.0143	0.0137	751.4244
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	24.8415	0.2679	2.4354	2.0458	0.0146		0.1851	0.1851		0.1851	0.1851		2,922.5247	2,922.5247	0.0560	0.0536	2,939.8918
Unrefrigerated Warehouse-No Rail	0.168805	1.8200e-003	0.0166	0.0139	1.0000e-004		1.2600e-003	1.2600e-003		1.2600e-003	1.2600e-003		19.8594	19.8594	3.8000e-004	3.6000e-004	19.9774
Total		**1.9640**	**17.8529**	**14.9869**	**0.1071**		**1.3569**	**1.3569**		**1.3569**	**1.3569**		**21,425.2106**	**21,425.2106**	**0.4107**	**0.3928**	**21,552.5299**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	36.5612	0.1308	2.1753	5.4700e-003		0.2513	0.2513		0.2513	0.2513	35.4098	128.3051	163.7149	0.1698	2.3300e-003	168.6534
Unmitigated	36.5612	0.1308	2.1753	5.4700e-003		0.2513	0.2513		0.2513	0.2513	35.4098	128.3051	163.7149	0.1698	2.3300e-003	168.6534

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	4.1669					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	32.1902					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1736	0.1235	1.5130	5.4300e-003		0.2480	0.2480		0.2480	0.2480	35.4098	127.0588	162.4687	0.1680	2.3300e-003	167.3620
Landscaping	0.0306	7.2500e-003	0.6623	4.0000e-005		3.3300e-003	3.3300e-003		3.3300e-003	3.3300e-003		1.2462	1.2462	1.8100e-003		1.2914
Total	**36.5612**	**0.1308**	**2.1753**	**5.4700e-003**		**0.2513**	**0.2513**		**0.2513**	**0.2513**	**35.4098**	**128.3051**	**163.7149**	**0.1698**	**2.3300e-003**	**168.6534**

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	4.1669					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	32.1902					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1736	0.1235	1.5130	5.4300e-003		0.2480	0.2480		0.2480	0.2480	35.4098	127.0588	162.4687	0.1680	2.3300e-003	167.3620
Landscaping	0.0306	7.2500e-003	0.6623	4.0000e-005		3.3300e-003	3.3300e-003		3.3300e-003	3.3300e-003		1.2462	1.2462	1.8100e-003		1.2914
Total	**36.5612**	**0.1308**	**2.1753**	**5.4700e-003**		**0.2513**	**0.2513**		**0.2513**	**0.2513**	**35.4098**	**128.3051**	**163.7149**	**0.1698**	**2.3300e-003**	**168.6534**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Existing Operation -2021

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	69.30	1000sqft	16.17	69,295.00	0
Hospital	730.04	1000sqft	16.17	730,044.00	0
Medical Office Building	186.30	1000sqft	16.17	186,296.00	0
Research & Development	457.94	1000sqft	16.17	457,936.00	0
General Light Industry	73.91	1000sqft	1.70	73,909.00	0
Unrefrigerated Warehouse-No Rail	59.24	1000sqft	1.36	59,244.00	0
Parking Lot	31.97	Acre	31.97	1,392,800.00	0
Hotel	13.00	Room	16.17	18,168.00	0
Apartments Low Rise	6.00	Dwelling Unit	0.14	5,958.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - .

Land Use - Based on information provided by the Applicant. Number of rooms and DUs based on actual square footage and CalEEMod area per room/DU rate.
Construction Phase - Operation run only

Vehicle Trips - Trip generation and trip length based on information provided by Fehr & Peers. For purposes of this analysis, all trips are assigned to the Hospital land use.
Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - Assumes natural gas fireplaces for all units.

Energy Use - Assumes existing buildings built to meet the 2005 Building Energy Efficiency Standards.

Water And Wastewater - Based on water demand and wasteater information provided by KPFF. Assumes no septic tanks or facultive lagoons. Indoor and outdoor water proportioned evenly for purposes of this analysis.
Solid Waste - Based on solid waste generation as calculated in Chapter 5.16, Utilities and Service Systems.

Energy Mitigation -

Fleet Mix - Based on CalTrans vehicle mix for segment of Interstate 210 west of Interstate 605.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	200.00	1.00
tblFireplaces	NumberGas	5.10	6.00
tblFireplaces	NumberNoFireplace	0.60	0.00
tblFireplaces	NumberWood	0.30	0.00
tblFleetMix	FleetMixLandUseSubType	General Office Building	Apartments Low Rise
tblFleetMix	FleetMixLandUseSubType	Hospital	General Light Industry
tblFleetMix	FleetMixLandUseSubType	Medical Office Building	General Office Building
tblFleetMix	FleetMixLandUseSubType	Research & Development	Hospital
tblFleetMix	FleetMixLandUseSubType	General Light Industry	Hotel
tblFleetMix	FleetMixLandUseSubType	Unrefrigerated Warehouse-No Rail	Medical Office Building
tblFleetMix	FleetMixLandUseSubType	Hotel	Research & Development
tblFleetMix	FleetMixLandUseSubType	Apartments Low Rise	Unrefrigerated Warehouse-No Rail

tblFleetMix	HHD	0.03	0.04
tblFleetMix	LDA	0.55	0.63
tblFleetMix	LDT1	0.05	0.05
tblFleetMix	LDT2	0.20	0.23
tblFleetMix	LHD1	0.02	3.8420e-003
tblFleetMix	LHD2	6.1430e-003	1.4620e-003
tblFleetMix	MCY	5.0780e-003	5.8510e-003
tblFleetMix	MDV	0.12	0.03
tblFleetMix	MH	8.9100e-004	2.1200e-004
tblFleetMix	MHD	0.02	4.6980e-003
tblFleetMix	OBUS	2.4790e-003	5.9000e-004
tblFleetMix	SBUS	6.8200e-004	1.6200e-004
tblFleetMix	UBUS	2.2700e-003	5.4000e-004
tblLandUse	BuildingSpaceSquareFeet	69,300.00	69,295.00
tblLandUse	BuildingSpaceSquareFeet	730,040.00	730,044.00
tblLandUse	BuildingSpaceSquareFeet	186,300.00	186,296.00
tblLandUse	BuildingSpaceSquareFeet	457,940.00	457,936.00
tblLandUse	BuildingSpaceSquareFeet	73,910.00	73,909.00
tblLandUse	BuildingSpaceSquareFeet	59,240.00	59,244.00
tblLandUse	BuildingSpaceSquareFeet	1,392,613.20	1,392,800.00
tblLandUse	BuildingSpaceSquareFeet	18,876.00	18,168.00
tblLandUse	BuildingSpaceSquareFeet	6,000.00	5,958.00
tblLandUse	LandUseSquareFeet	69,300.00	69,295.00
tblLandUse	LandUseSquareFeet	730,040.00	730,044.00
tblLandUse	LandUseSquareFeet	186,300.00	186,296.00
tblLandUse	LandUseSquareFeet	457,940.00	457,936.00
tblLandUse	LandUseSquareFeet	73,910.00	73,909.00
tblLandUse	LandUseSquareFeet	59,240.00	59,244.00

tblLandUse	LandUseSquareFeet	1,392,613.20	1,392,800.00
tblLandUse	LandUseSquareFeet	18,876.00	18,168.00
tblLandUse	LandUseSquareFeet	6,000.00	5,958.00
tblLandUse	LotAcreage	1.59	16.17
tblLandUse	LotAcreage	16.76	16.17
tblLandUse	LotAcreage	4.28	16.17
tblLandUse	LotAcreage	10.51	16.17
tblLandUse	LotAcreage	0.43	16.17
tblLandUse	LotAcreage	0.38	0.14
tblLandUse	Population	17.00	0.00
tblProjectCharacteristics	OperationalYear	2018	2021
tblSolidWaste	SolidWasteGenerationRate	2.76	1,215.00
tblSolidWaste	SolidWasteGenerationRate	91.65	1,215.00
tblSolidWaste	SolidWasteGenerationRate	64.45	1,215.00
tblSolidWaste	SolidWasteGenerationRate	7,884.43	1,215.00
tblSolidWaste	SolidWasteGenerationRate	7.12	1,215.00
tblSolidWaste	SolidWasteGenerationRate	2,012.04	1,215.00
tblSolidWaste	SolidWasteGenerationRate	0.00	1,215.00
tblSolidWaste	SolidWasteGenerationRate	34.80	1,215.00
tblSolidWaste	SolidWasteGenerationRate	55.69	1,215.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	16.10	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	14.30
tblVehicleTrips	CW_TTP	64.90	100.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00

tblVehicleTrips	PR_TP	73.00	100.00
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	10.18	16.30
tblVehicleTrips	ST_TR	8.19	0.00
tblVehicleTrips	ST_TR	8.96	0.00
tblVehicleTrips	ST_TR	1.90	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	8.91	16.30
tblVehicleTrips	SU_TR	5.95	0.00
tblVehicleTrips	SU_TR	1.55	0.00
tblVehicleTrips	SU_TR	1.11	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	13.22	16.30
tblVehicleTrips	WD_TR	8.17	0.00
tblVehicleTrips	WD_TR	36.13	0.00
tblVehicleTrips	WD_TR	8.11	0.00
tblVehicleTrips	WD_TR	1.68	0.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00

tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	390,924.15	18,804,435.00
tblWater	IndoorWaterUseRate	17,091,687.50	18,804,435.00
tblWater	IndoorWaterUseRate	12,316,948.74	18,804,435.00
tblWater	IndoorWaterUseRate	91,605,811.64	18,804,435.00
tblWater	IndoorWaterUseRate	329,768.01	18,804,435.00
tblWater	IndoorWaterUseRate	23,377,024.15	18,804,435.00
tblWater	IndoorWaterUseRate	225,166,326.18	18,804,435.00
tblWater	IndoorWaterUseRate	13,699,250.00	18,804,435.00
tblWater	OutdoorWaterUseRate	246,452.18	2,089,397.00
tblWater	OutdoorWaterUseRate	0.00	2,089,397.00
tblWater	OutdoorWaterUseRate	7,549,097.61	2,089,397.00
tblWater	OutdoorWaterUseRate	17,448,726.03	2,089,397.00
tblWater	OutdoorWaterUseRate	36,640.89	2,089,397.00
tblWater	OutdoorWaterUseRate	4,452,766.50	2,089,397.00
tblWater	OutdoorWaterUseRate	0.00	2,089,397.00

tblWater	OutdoorWaterUseRate	0.00	2,089,397.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

2.0 Emissions Summary

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	36.5612	0.1308	2.1753	5.4700e-003		0.2513	0.2513		0.2513	0.2513	35.4098	128.3051	163.7149	0.1698	2.3300e-003	168.6534
Energy	1.9640	17.8529	14.9869	0.1071		1.3569	1.3569		1.3569	1.3569		21,425.2106	21,425.2106	0.4107	0.3928	21,552.5299
Mobile	26.3882	144.9137	399.8189	1.4612	130.4494	1.2335	131.6828	34.6974	1.1491	35.8465		148,364.7340	148,364.7340	6.8058		148,534.8791
Total	**64.9134**	**162.8974**	**416.9811**	**1.5738**	**130.4494**	**2.8417**	**133.2911**	**34.6974**	**2.7573**	**37.4547**	**35.4098**	**169,918.2497**	**169,953.6595**	**7.3862**	**0.3951**	**170,256.0625**

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	36.5612	0.1308	2.1753	5.4700e-003		0.2513	0.2513		0.2513	0.2513	35.4098	128.3051	163.7149	0.1698	2.3300e-003	168.6534
Energy	1.9640	17.8529	14.9869	0.1071		1.3569	1.3569		1.3569	1.3569		21,425.2106	21,425.2106	0.4107	0.3928	21,552.5299
Mobile	26.3882	144.9137	399.8189	1.4612	130.4494	1.2335	131.6828	34.6974	1.1491	35.8465		148,364.7340	148,364.7340	6.8058		148,534.8791
Total	**64.9134**	**162.8974**	**416.9811**	**1.5738**	**130.4494**	**2.8417**	**133.2911**	**34.6974**	**2.7573**	**37.4547**	**35.4098**	**169,918.2497**	**169,953.6595**	**7.3862**	**0.3951**	**170,256.0625**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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**

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	26.3882	144.9137	399.8189	1.4612	130.4494	1.2335	131.6828	34.6974	1.1491	35.8465		148,364.7340	148,364.7340	6.8058		148,534.8791
Unmitigated	26.3882	144.9137	399.8189	1.4612	130.4494	1.2335	131.6828	34.6974	1.1491	35.8465		148,364.7340	148,364.7340	6.8058		148,534.8791

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
General Light Industry	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Hospital	11,899.65	11,899.65	11899.65	61,940,069	61,940,069
Hotel	0.00	0.00	0.00		
Medical Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Research & Development	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	11,899.65	11,899.65	11,899.65	61,940,069	61,940,069

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
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Hospital	14.30	0.00	0.00	100.00	0.00	0.00	100	0	0
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Research & Development	16.60	8.40	6.90	33.00	48.00	19.00	82	15	3
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
General Light Industry	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
General Office Building	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Hospital	0.630489	0.052054	0.233606	0.026012	0.003842	0.001462	0.004698	0.040482	0.000590	0.000540	0.005851	0.000162	0.000212
Hotel	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Medical Office Building	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Parking Lot	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Research & Development	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Unrefrigerated Warehouse-No Rail	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

Kilowatt Hours of Renewable Electricity Generated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.9640	17.8529	14.9869	0.1071		1.3569	1.3569		1.3569	1.3569		21,425.2106	21,425.2106	0.4107	0.3928	21,552.5299
NaturalGas Unmitigated	1.9640	17.8529	14.9869	0.1071		1.3569	1.3569		1.3569	1.3569		21,425.2106	21,425.2106	0.4107	0.3928	21,552.5299

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	248.312	2.6800e-003	0.0229	9.7400e-003	1.5000e-004		1.8500e-003	1.8500e-003		1.8500e-003	1.8500e-003		29.2131	29.2131	5.6000e-004	5.4000e-004	29.3867
General Light Industry	4009.31	0.0432	0.3931	0.3302	2.3600e-003		0.0299	0.0299		0.0299	0.0299		471.6836	471.6836	9.0400e-003	8.6500e-003	474.4865
General Office Building	2361.73	0.0255	0.2315	0.1945	1.3900e-003		0.0176	0.0176		0.0176	0.0176		277.8501	277.8501	5.3300e-003	5.0900e-003	279.5012
Hospital	142849	1.5405	14.0048	11.7640	0.0840		1.0644	1.0644		1.0644	1.0644		16,805.7188	16,805.7188	0.3221	0.3081	16,905.5868
Hotel	1286.69	0.0139	0.1262	0.1060	7.6000e-004		9.5900e-003	9.5900e-003		9.5900e-003	9.5900e-003		151.3756	151.3756	2.9000e-003	2.7800e-003	152.2752
Medical Office Building	6349.38	0.0685	0.6225	0.5229	3.7300e-003		0.0473	0.0473		0.0473	0.0473		746.9854	746.9854	0.0143	0.0137	751.4244
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	24841.5	0.2679	2.4354	2.0458	0.0146		0.1851	0.1851		0.1851	0.1851		2,922.5247	2,922.5247	0.0560	0.0536	2,939.8918
Unrefrigerated Warehouse-No Rail	168.805	1.8200e-003	0.0166	0.0139	1.0000e-004		1.2600e-003	1.2600e-003		1.2600e-003	1.2600e-003		19.8594	19.8594	3.8000e-004	3.6000e-004	19.9774
Total		**1.9640**	**17.8529**	**14.9869**	**0.1071**		**1.3569**	**1.3569**		**1.3569**	**1.3569**		**21,425.2106**	**21,425.2106**	**0.4107**	**0.3928**	**21,552.5299**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	0.248312	2.6800e-003	0.0229	9.7400e-003	1.5000e-004		1.8500e-003	1.8500e-003		1.8500e-003	1.8500e-003		29.2131	29.2131	5.6000e-004	5.4000e-004	29.3867
General Light Industry	4.00931	0.0432	0.3931	0.3302	2.3600e-003		0.0299	0.0299		0.0299	0.0299		471.6836	471.6836	9.0400e-003	8.6500e-003	474.4865
General Office Building	2.36173	0.0255	0.2315	0.1945	1.3900e-003		0.0176	0.0176		0.0176	0.0176		277.8501	277.8501	5.3300e-003	5.0900e-003	279.5012
Hospital	142.849	1.5405	14.0048	11.7640	0.0840		1.0644	1.0644		1.0644	1.0644		16,805.7188	16,805.7188	0.3221	0.3081	16,905.5868
Hotel	1.28669	0.0139	0.1262	0.1060	7.6000e-004		9.5900e-003	9.5900e-003		9.5900e-003	9.5900e-003		151.3756	151.3756	2.9000e-003	2.7800e-003	152.2752
Medical Office Building	6.34938	0.0685	0.6225	0.5229	3.7300e-003		0.0473	0.0473		0.0473	0.0473		746.9854	746.9854	0.0143	0.0137	751.4244
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	24.8415	0.2679	2.4354	2.0458	0.0146		0.1851	0.1851		0.1851	0.1851		2,922.5247	2,922.5247	0.0560	0.0536	2,939.8918
Unrefrigerated Warehouse-No Rail	0.168805	1.8200e-003	0.0166	0.0139	1.0000e-004		1.2600e-003	1.2600e-003		1.2600e-003	1.2600e-003		19.8594	19.8594	3.8000e-004	3.6000e-004	19.9774
Total		**1.9640**	**17.8529**	**14.9869**	**0.1071**		**1.3569**	**1.3569**		**1.3569**	**1.3569**		**21,425.2106**	**21,425.2106**	**0.4107**	**0.3928**	**21,552.5299**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	36.5612	0.1308	2.1753	5.4700e-003		0.2513	0.2513		0.2513	0.2513	35.4098	128.3051	163.7149	0.1698	2.3300e-003	168.6534
Unmitigated	36.5612	0.1308	2.1753	5.4700e-003		0.2513	0.2513		0.2513	0.2513	35.4098	128.3051	163.7149	0.1698	2.3300e-003	168.6534

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	4.1669					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	32.1902					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1736	0.1235	1.5130	5.4300e-003		0.2480	0.2480		0.2480	0.2480	35.4098	127.0588	162.4687	0.1680	2.3300e-003	167.3620
Landscaping	0.0306	7.2500e-003	0.6623	4.0000e-005		3.3300e-003	3.3300e-003		3.3300e-003	3.3300e-003		1.2462	1.2462	1.8100e-003		1.2914
Total	**36.5612**	**0.1308**	**2.1753**	**5.4700e-003**		**0.2513**	**0.2513**		**0.2513**	**0.2513**	**35.4098**	**128.3051**	**163.7149**	**0.1698**	**2.3300e-003**	**168.6534**

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	4.1669					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	32.1902					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1736	0.1235	1.5130	5.4300e-003		0.2480	0.2480		0.2480	0.2480	35.4098	127.0588	162.4687	0.1680	2.3300e-003	167.3620
Landscaping	0.0306	7.2500e-003	0.6623	4.0000e-005		3.3300e-003	3.3300e-003		3.3300e-003	3.3300e-003		1.2462	1.2462	1.8100e-003		1.2914
Total	**36.5612**	**0.1308**	**2.1753**	**5.4700e-003**		**0.2513**	**0.2513**		**0.2513**	**0.2513**	**35.4098**	**128.3051**	**163.7149**	**0.1698**	**2.3300e-003**	**168.6534**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Existing Operation -2021

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	69.30	1000sqft	16.17	69,295.00	0
Hospital	730.04	1000sqft	16.17	730,044.00	0
Medical Office Building	186.30	1000sqft	16.17	186,296.00	0
Research & Development	457.94	1000sqft	16.17	457,936.00	0
General Light Industry	73.91	1000sqft	1.70	73,909.00	0
Unrefrigerated Warehouse-No Rail	59.24	1000sqft	1.36	59,244.00	0
Parking Lot	31.97	Acre	31.97	1,392,800.00	0
Hotel	13.00	Room	16.17	18,168.00	0
Apartments Low Rise	6.00	Dwelling Unit	0.14	5,958.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - .

Land Use - Based on information provided by the Applicant. Number of rooms and DUs based on actual square footage and CalEEMod area per room/DU rate.

Construction Phase - Operation run only

Vehicle Trips - Trip generation and trip length based on information provided by Fehr & Peers. For purposes of this analysis, all trips are assigned to the Hospital land use.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - Assumes natural gas fireplaces for all units.

Energy Use - Assumes existing buildings built to meet the 2005 Building Energy Efficiency Standards.

Water And Wastewater - Based on water demand and wasteater information provided by KPFF. Assumes no septic tanks or facultive lagoons. Indoor and outdoor water proportioned evenly for purposes of this analysis.

Solid Waste - Based on solid waste generation as calculated in Chapter 5.16, Utilities and Service Systems.

Energy Mitigation -

Fleet Mix - Based on CalTrans vehicle mix for segment of Interstate 210 west of Interstate 605.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	200.00	1.00
tblFireplaces	NumberGas	5.10	6.00
tblFireplaces	NumberNoFireplace	0.60	0.00
tblFireplaces	NumberWood	0.30	0.00
tblFleetMix	FleetMixLandUseSubType	General Office Building	Apartments Low Rise
tblFleetMix	FleetMixLandUseSubType	Hospital	General Light Industry
tblFleetMix	FleetMixLandUseSubType	Medical Office Building	General Office Building
tblFleetMix	FleetMixLandUseSubType	Research & Development	Hospital
tblFleetMix	FleetMixLandUseSubType	General Light Industry	Hotel
tblFleetMix	FleetMixLandUseSubType	Unrefrigerated Warehouse-No Rail	Medical Office Building

tblFleetMix	FleetMixLandUseSubType	Hotel	Research & Development
tblFleetMix	FleetMixLandUseSubType	Apartments Low Rise	Unrefrigerated Warehouse-No Rail
tblFleetMix	HHD	0.03	0.04
tblFleetMix	LDA	0.55	0.63
tblFleetMix	LDT1	0.05	0.05
tblFleetMix	LDT2	0.20	0.23
tblFleetMix	LHD1	0.02	3.8420e-003
tblFleetMix	LHD2	6.1430e-003	1.4620e-003
tblFleetMix	MCY	5.0780e-003	5.8510e-003
tblFleetMix	MDV	0.12	0.03
tblFleetMix	MH	8.9100e-004	2.1200e-004
tblFleetMix	MHD	0.02	4.6980e-003
tblFleetMix	OBUS	2.4790e-003	5.9000e-004
tblFleetMix	SBUS	6.8200e-004	1.6200e-004
tblFleetMix	UBUS	2.2700e-003	5.4000e-004
tblLandUse	BuildingSpaceSquareFeet	69,300.00	69,295.00
tblLandUse	BuildingSpaceSquareFeet	730,040.00	730,044.00
tblLandUse	BuildingSpaceSquareFeet	186,300.00	186,296.00
tblLandUse	BuildingSpaceSquareFeet	457,940.00	457,936.00
tblLandUse	BuildingSpaceSquareFeet	73,910.00	73,909.00
tblLandUse	BuildingSpaceSquareFeet	59,240.00	59,244.00
tblLandUse	BuildingSpaceSquareFeet	1,392,613.20	1,392,800.00
tblLandUse	BuildingSpaceSquareFeet	18,876.00	18,168.00
tblLandUse	BuildingSpaceSquareFeet	6,000.00	5,958.00
tblLandUse	LandUseSquareFeet	69,300.00	69,295.00
tblLandUse	LandUseSquareFeet	730,040.00	730,044.00
tblLandUse	LandUseSquareFeet	186,300.00	186,296.00

tblLandUse	LandUseSquareFeet	457,940.00	457,936.00
tblLandUse	LandUseSquareFeet	73,910.00	73,909.00
tblLandUse	LandUseSquareFeet	59,240.00	59,244.00
tblLandUse	LandUseSquareFeet	1,392,613.20	1,392,800.00
tblLandUse	LandUseSquareFeet	18,876.00	18,168.00
tblLandUse	LandUseSquareFeet	6,000.00	5,958.00
tblLandUse	LotAcreage	1.59	16.17
tblLandUse	LotAcreage	16.76	16.17
tblLandUse	LotAcreage	4.28	16.17
tblLandUse	LotAcreage	10.51	16.17
tblLandUse	LotAcreage	0.43	16.17
tblLandUse	LotAcreage	0.38	0.14
tblLandUse	Population	17.00	0.00
tblProjectCharacteristics	OperationalYear	2018	2021
tblSolidWaste	SolidWasteGenerationRate	2.76	1,215.00
tblSolidWaste	SolidWasteGenerationRate	91.65	1,215.00
tblSolidWaste	SolidWasteGenerationRate	64.45	1,215.00
tblSolidWaste	SolidWasteGenerationRate	7,884.43	1,215.00
tblSolidWaste	SolidWasteGenerationRate	7.12	1,215.00
tblSolidWaste	SolidWasteGenerationRate	2,012.04	1,215.00
tblSolidWaste	SolidWasteGenerationRate	0.00	1,215.00
tblSolidWaste	SolidWasteGenerationRate	34.80	1,215.00
tblSolidWaste	SolidWasteGenerationRate	55.69	1,215.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	16.10	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00

tblVehicleTrips	CW_TL	16.60	14.30
tblVehicleTrips	CW_TTP	64.90	100.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PR_TP	73.00	100.00
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	10.18	16.30
tblVehicleTrips	ST_TR	8.19	0.00
tblVehicleTrips	ST_TR	8.96	0.00
tblVehicleTrips	ST_TR	1.90	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	8.91	16.30
tblVehicleTrips	SU_TR	5.95	0.00
tblVehicleTrips	SU_TR	1.55	0.00
tblVehicleTrips	SU_TR	1.11	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	13.22	16.30
tblVehicleTrips	WD_TR	8.17	0.00
tblVehicleTrips	WD_TR	36.13	0.00

tblVehicleTrips	WD_TR	8.11	0.00
tblVehicleTrips	WD_TR	1.68	0.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	390,924.15	18,804,435.00
tblWater	IndoorWaterUseRate	17,091,687.50	18,804,435.00
tblWater	IndoorWaterUseRate	12,316,948.74	18,804,435.00
tblWater	IndoorWaterUseRate	91,605,811.64	18,804,435.00
tblWater	IndoorWaterUseRate	329,768.01	18,804,435.00
tblWater	IndoorWaterUseRate	23,377,024.15	18,804,435.00
tblWater	IndoorWaterUseRate	225,166,326.18	18,804,435.00
tblWater	IndoorWaterUseRate	13,699,250.00	18,804,435.00
tblWater	OutdoorWaterUseRate	246,452.18	2,089,397.00

tblWater	OutdoorWaterUseRate	0.00	2,089,397.00
tblWater	OutdoorWaterUseRate	7,549,097.61	2,089,397.00
tblWater	OutdoorWaterUseRate	17,448,726.03	2,089,397.00
tblWater	OutdoorWaterUseRate	36,640.89	2,089,397.00
tblWater	OutdoorWaterUseRate	4,452,766.50	2,089,397.00
tblWater	OutdoorWaterUseRate	0.00	2,089,397.00
tblWater	OutdoorWaterUseRate	0.00	2,089,397.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

2.0 Emissions Summary

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	6.6412	2.4500e-003	0.1017	7.0000e-005		3.5200e-003	3.5200e-003		3.5200e-003	3.5200e-003	0.4015	1.5821	1.9837	2.1100e-003	3.0000e-005	2.0443
Energy	0.3584	3.2582	2.7351	0.0196		0.2476	0.2476		0.2476	0.2476	0.0000	13,220.6296	13,220.6296	0.4674	0.1477	13,276.3158
Mobile	4.7177	26.9020	74.0983	0.2698	23.2790	0.2236	23.5026	6.2013	0.2083	6.4096	0.0000	24,850.7744	24,850.7744	1.1202	0.0000	24,878.7782
Waste						0.0000	0.0000		0.0000	0.0000	2,219.7062	0.0000	2,219.7062	131.1809	0.0000	5,499.2281
Water						0.0000	0.0000		0.0000	0.0000	53.2243	683.2919	736.5162	0.2114	0.1216	778.0327
Total	**11.7173**	**30.1626**	**76.9352**	**0.2894**	**23.2790**	**0.4748**	**23.7538**	**6.2013**	**0.4594**	**6.6608**	**2,273.3320**	**38,756.2780**	**41,029.6101**	**132.9819**	**0.2693**	**44,434.3991**

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	6.6412	2.4500e-003	0.1017	7.0000e-005		3.5200e-003	3.5200e-003		3.5200e-003	3.5200e-003	0.4015	1.5821	1.9837	2.1100e-003	3.0000e-005	2.0443
Energy	0.3584	3.2582	2.7351	0.0196		0.2476	0.2476		0.2476	0.2476	0.0000	13,220.2488	13,220.2488	0.4673	0.1477	13,275.9337
Mobile	4.7177	26.9020	74.0983	0.2698	23.2790	0.2236	23.5026	6.2013	0.2083	6.4096	0.0000	24,850.7744	24,850.7744	1.1202	0.0000	24,878.7782
Waste						0.0000	0.0000		0.0000	0.0000	2,219.7062	0.0000	2,219.7062	131.1809	0.0000	5,499.2281
Water						0.0000	0.0000		0.0000	0.0000	53.2243	683.2919	736.5162	0.2114	0.1216	778.0327
Total	**11.7173**	**30.1626**	**76.9352**	**0.2894**	**23.2790**	**0.4748**	**23.7538**	**6.2013**	**0.4594**	**6.6608**	**2,273.3320**	**38,755.8973**	**41,029.2293**	**132.9819**	**0.2693**	**44,434.0170**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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**

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	4.7177	26.9020	74.0983	0.2698	23.2790	0.2236	23.5026	6.2013	0.2083	6.4096	0.0000	24,850.77	24,850.77	1.1202	0.0000	24,878.77
Unmitigated	4.7177	26.9020	74.0983	0.2698	23.2790	0.2236	23.5026	6.2013	0.2083	6.4096	0.0000	24,850.7744	24,850.7744	1.1202	0.0000	24,878.7782

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
General Light Industry	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Hospital	11,899.65	11,899.65	11899.65	61,940,069	61,940,069
Hotel	0.00	0.00	0.00		
Medical Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Research & Development	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	11,899.65	11,899.65	11,899.65	61,940,069	61,940,069

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
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Hospital	14.30	0.00	0.00	100.00	0.00	0.00	100	0	0
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Research & Development	16.60	8.40	6.90	33.00	48.00	19.00	82	15	3
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
General Light Industry	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
General Office Building	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Hospital	0.630489	0.052054	0.233606	0.026012	0.003842	0.001462	0.004698	0.040482	0.000590	0.000540	0.005851	0.000162	0.000212
Hotel	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Medical Office Building	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Parking Lot	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Research & Development	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Unrefrigerated Warehouse-No Rail	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

Kilowatt Hours of Renewable Electricity Generated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	9,673.0649	9,673.0649	0.3994	0.0826	9,707.6706
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	9,673.4457	9,673.4457	0.3994	0.0826	9,708.0527
NaturalGas Mitigated	0.3584	3.2582	2.7351	0.0196		0.2476	0.2476		0.2476	0.2476	0.0000	3,547.1839	3,547.1839	0.0680	0.0650	3,568.2630
NaturalGas Unmitigated	0.3584	3.2582	2.7351	0.0196		0.2476	0.2476		0.2476	0.2476	0.0000	3,547.1839	3,547.1839	0.0680	0.0650	3,568.2630

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	90633.8	4.9000e-004	4.1800e-003	1.7800e-003	3.0000e-005		3.4000e-004	3.4000e-004		3.4000e-004	3.4000e-004	0.0000	4.8366	4.8366	9.0000e-005	9.0000e-005	4.8653
General Light Industry	1.4634e+006	7.8900e-003	0.0717	0.0603	4.3000e-004		5.4500e-003	5.4500e-003		5.4500e-003	5.4500e-003	0.0000	78.0925	78.0925	1.5000e-003	1.4300e-003	78.5566
General Office Building	862030	4.6500e-003	0.0423	0.0355	2.5000e-004		3.2100e-003	3.2100e-003		3.2100e-003	3.2100e-003	0.0000	46.0012	46.0012	8.8000e-004	8.4000e-004	46.2746
Hospital	5.21397e+007	0.2812	2.5559	2.1469	0.0153		0.1943	0.1943		0.1943	0.1943	0.0000	2,782.3752	2,782.3752	0.0533	0.0510	2,798.9095
Hotel	469643	2.5300e-003	0.0230	0.0193	1.4000e-004		1.7500e-003	1.7500e-003		1.7500e-003	1.7500e-003	0.0000	25.0619	25.0619	4.8000e-004	4.6000e-004	25.2109
Medical Office Building	2.31752e+006	0.0125	0.1136	0.0954	6.8000e-004		8.6300e-003	8.6300e-003		8.6300e-003	8.6300e-003	0.0000	123.6718	123.6718	2.3700e-003	2.2700e-003	124.4067
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	9.06713e+006	0.0489	0.4445	0.3734	2.6700e-003		0.0338	0.0338		0.0338	0.0338	0.0000	483.8567	483.8567	9.2700e-003	8.8700e-003	486.7321
Unrefrigerated Warehouse-No Rail	61613.8	3.3000e-004	3.0200e-003	2.5400e-003	2.0000e-005		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004	0.0000	3.2879	3.2879	6.0000e-005	6.0000e-005	3.3075
Total		**0.3584**	**3.2582**	**2.7351**	**0.0196**		**0.2476**	**0.2476**		**0.2476**	**0.2476**	**0.0000**	**3,547.1839**	**3,547.1839**	**0.0680**	**0.0650**	**3,568.2630**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	90633.8	4.9000e-004	4.1800e-003	1.7800e-003	3.0000e-005		3.4000e-004	3.4000e-004		3.4000e-004	3.4000e-004	0.0000	4.8366	4.8366	9.0000e-005	9.0000e-005	4.8653
General Light Industry	1.4634e+006	7.8900e-003	0.0717	0.0603	4.3000e-004		5.4500e-003	5.4500e-003		5.4500e-003	5.4500e-003	0.0000	78.0925	78.0925	1.5000e-003	1.4300e-003	78.5566
General Office Building	862030	4.6500e-003	0.0423	0.0355	2.5000e-004		3.2100e-003	3.2100e-003		3.2100e-003	3.2100e-003	0.0000	46.0012	46.0012	8.8000e-004	8.4000e-004	46.2746
Hospital	5.21397e+007	0.2812	2.5559	2.1469	0.0153		0.1943	0.1943		0.1943	0.1943	0.0000	2,782.3752	2,782.3752	0.0533	0.0510	2,798.9095
Hotel	469643	2.5300e-003	0.0230	0.0193	1.4000e-004		1.7500e-003	1.7500e-003		1.7500e-003	1.7500e-003	0.0000	25.0619	25.0619	4.8000e-004	4.6000e-004	25.2109
Medical Office Building	2.31752e+006	0.0125	0.1136	0.0954	6.8000e-004		8.6300e-003	8.6300e-003		8.6300e-003	8.6300e-003	0.0000	123.6718	123.6718	2.3700e-003	2.2700e-003	124.4067
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	9.06713e+006	0.0489	0.4445	0.3734	2.6700e-003		0.0338	0.0338		0.0338	0.0338	0.0000	483.8567	483.8567	9.2700e-003	8.8700e-003	486.7321
Unrefrigerated Warehouse-No Rail	61613.8	3.3000e-004	3.0200e-003	2.5400e-003	2.0000e-005		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004	0.0000	3.2879	3.2879	6.0000e-005	6.0000e-005	3.3075
Total		**0.3584**	**3.2582**	**2.7351**	**0.0196**		**0.2476**	**0.2476**		**0.2476**	**0.2476**	**0.0000**	**3,547.1839**	**3,547.1839**	**0.0680**	**0.0650**	**3,568.2630**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	22365.5	7.1261	2.9000e-004	6.0000e-005	7.1516
General Light Industry	926819	295.3044	0.0122	2.5200e-003	296.3608
General Office Building	1.05606e+006	336.4820	0.0139	2.8700e-003	337.6858
Hospital	1.81124e+007	5,770.9960	0.2383	0.0493	5,791.6419
Hotel	164602	52.4458	2.1700e-003	4.5000e-004	52.6334
Medical Office Building	2.83915e+006	904.6144	0.0374	7.7300e-003	907.8506
Parking Lot	1.22566e+006	390.5228	0.0161	3.3400e-003	391.9199
Research & Development	5.74252e+006	1,829.6891	0.0755	0.0156	1,836.2349
Unrefrigerated Warehouse-No Rail	270745	86.2652	3.5600e-003	7.4000e-004	86.5738
Total		**9,673.4457**	**0.3994**	**0.0826**	**9,708.0527**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	22232.8	7.0838	2.9000e-004	6.0000e-005	7.1092
General Light Industry	926686	295.2620	0.0122	2.5200e-003	296.3184
General Office Building	1.05592e+006	336.4397	0.0139	2.8700e-003	337.6433
Hospital	1.81123e+007	5,770.9537	0.2383	0.0493	5,791.5995
Hotel	164469	52.4034	2.1600e-003	4.5000e-004	52.5909
Medical Office Building	2.83902e+006	904.5720	0.0373	7.7300e-003	907.8082
Parking Lot	1.22553e+006	390.4805	0.0161	3.3400e-003	391.8775
Research & Development	5.74238e+006	1,829.6468	0.0755	0.0156	1,836.1924
Unrefrigerated Warehouse-No Rail	270612	86.2229	3.5600e-003	7.4000e-004	86.5313
Total		**9,673.0649**	**0.3993**	**0.0826**	**9,707.6706**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	6.6412	2.4500e-003	0.1017	7.0000e-005		3.5200e-003	3.5200e-003		3.5200e-003	3.5200e-003	0.4015	1.5821	1.9837	2.1100e-003	3.0000e-005	2.0443
Unmitigated	6.6412	2.4500e-003	0.1017	7.0000e-005		3.5200e-003	3.5200e-003		3.5200e-003	3.5200e-003	0.4015	1.5821	1.9837	2.1100e-003	3.0000e-005	2.0443

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.7605					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.8747					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	2.1700e-003	1.5400e-003	0.0189	7.0000e-005		3.1000e-003	3.1000e-003		3.1000e-003	3.1000e-003	0.4015	1.4408	1.8424	1.9000e-003	3.0000e-005	1.8979
Landscaping	3.8200e-003	9.1000e-004	0.0828	0.0000		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004	0.0000	0.1413	0.1413	2.0000e-004	0.0000	0.1464
Total	**6.6412**	**2.4500e-003**	**0.1017**	**7.0000e-005**		**3.5200e-003**	**3.5200e-003**		**3.5200e-003**	**3.5200e-003**	**0.4015**	**1.5821**	**1.9837**	**2.1000e-003**	**3.0000e-005**	**2.0443**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.7605					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.8747					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	2.1700e-003	1.5400e-003	0.0189	7.0000e-005		3.1000e-003	3.1000e-003		3.1000e-003	3.1000e-003	0.4015	1.4408	1.8424	1.9000e-003	3.0000e-005	1.8979
Landscaping	3.8200e-003	9.1000e-004	0.0828	0.0000		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004	0.0000	0.1413	0.1413	2.0000e-004	0.0000	0.1464
Total	**6.6412**	**2.4500e-003**	**0.1017**	**7.0000e-005**		**3.5200e-003**	**3.5200e-003**		**3.5200e-003**	**3.5200e-003**	**0.4015**	**1.5821**	**1.9837**	**2.1000e-003**	**3.0000e-005**	**2.0443**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	736.5162	0.2114	0.1216	778.0327
Unmitigated	736.5162	0.2114	0.1216	778.0327

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
General Light Industry	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
General Office Building	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Hospital	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Hotel	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Medical Office Building	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Research & Development	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Unrefrigerated Warehouse-No Rail	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Total		**736.5162**	**0.2114**	**0.1216**	**778.0327**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
General Light Industry	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
General Office Building	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Hospital	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Hotel	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Medical Office Building	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Research & Development	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Unrefrigerated Warehouse-No	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Total		**736.5162**	**0.2114**	**0.1216**	**778.0327**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	2,219.7062	131.1809	0.0000	5,499.2281
Unmitigated	2,219.7062	131.1809	0.0000	5,499.2281

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	1215	246.6340	14.5757	0.0000	611.0254
General Light Industry	1215	246.6340	14.5757	0.0000	611.0254
General Office Building	1215	246.6340	14.5757	0.0000	611.0254
Hospital	1215	246.6340	14.5757	0.0000	611.0254
Hotel	1215	246.6340	14.5757	0.0000	611.0254
Medical Office Building	1215	246.6340	14.5757	0.0000	611.0254
Parking Lot	1215	246.6340	14.5757	0.0000	611.0254
Research & Development	1215	246.6340	14.5757	0.0000	611.0254
Unrefrigerated Warehouse-No Rail	1215	246.6340	14.5757	0.0000	611.0254
Total		**2,219.7062**	**131.1809**	**0.0000**	**5,499.2282**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	1215	246.6340	14.5757	0.0000	611.0254
General Light Industry	1215	246.6340	14.5757	0.0000	611.0254
General Office Building	1215	246.6340	14.5757	0.0000	611.0254
Hospital	1215	246.6340	14.5757	0.0000	611.0254
Hotel	1215	246.6340	14.5757	0.0000	611.0254
Medical Office Building	1215	246.6340	14.5757	0.0000	611.0254
Parking Lot	1215	246.6340	14.5757	0.0000	611.0254
Research & Development	1215	246.6340	14.5757	0.0000	611.0254
Unrefrigerated Warehouse-No	1215	246.6340	14.5757	0.0000	611.0254
Total		**2,219.7062**	**131.1809**	**0.0000**	**5,499.2282**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Existing Operation -2021

Los Angeles-South Coast, Summary Report

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	69.30	1000sqft	16.17	69,295.00	0
Hospital	730.04	1000sqft	16.17	730,044.00	0
Medical Office Building	186.30	1000sqft	16.17	186,296.00	0
Research & Development	457.94	1000sqft	16.17	457,936.00	0
General Light Industry	73.91	1000sqft	1.70	73,909.00	0
Unrefrigerated Warehouse-No Rail	59.24	1000sqft	1.36	59,244.00	0
Parking Lot	31.97	Acre	31.97	1,392,800.00	0
Hotel	13.00	Room	16.17	18,168.00	0
Apartments Low Rise	6.00	Dwelling Unit	0.14	5,958.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments

Only CalEEMod defaults were used.

Project Characteristics - .

Land Use - Based on information provided by the Applicant. Number of rooms and DUs based on actual square footage and CalEEMod area per room/DU rate.

Construction Phase - Operation run only

Vehicle Trips - Trip generation and trip length based on information provided by Fehr & Peers. For purposes of this analysis, all trips are assigned to the Hospital land use.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - Assumes natural gas fireplaces for all units.

Energy Use - Assumes existing buildings built to meet the 2005 Building Energy Efficiency Standards.

Water And Wastewater - Based on water demand and wasteater information provided by KPFF. Assumes no septic tanks or facultive lagoons. Indoor and outdoor water proportioned evenly for purposes of this analysis.

Solid Waste - Based on solid waste generation as calculated in Chapter 5.16, Utilities and Service Systems.

Energy Mitigation -

Fleet Mix - Based on CalTrans vehicle mix for segment of Interstate 210 west of Interstate 605.

2.0 Peak Daily Emissions

Peak Daily Operational Emissions

Peak Daily Operational Emissions

		Unmitigated						Mitigated					
		ROG	NOX	CO	SO2	PM10	PM2.5	ROG	NOX	CO	SO2	PM10	PM2.5
	Operational Activity	lb/day											
On-Site	Area	36.5612 S	0.1308 S	2.1753 S	5.4700e-003 S	0.2513 S	0.2513 S	36.5612 S	0.1308 S	2.1753 S	5.4700e-003 S	0.2513 S	0.2513 S
On-Site	Energy	1.9640 S	17.8529 S	14.9869 S	0.1071 S	1.3569 S	1.3569 S	1.9640 S	17.8529 S	14.9869 S	0.1071 S	1.3569 S	1.3569 S
Off-Site	Mobile	27.1498 S	144.9137 W	427.8552 S	1.5395 S	131.6828 W	35.8465 W	27.1498 S	144.9137 W	427.8552 S	1.5395 S	131.6828 W	35.8465 W
	Peak Daily Total	65.6750 S	162.8974 W	445.0174 S	1.6521 S	133.2911 W	37.4547 W	65.6750 S	162.8974 W	445.0174 S	1.6521 S	133.2911 W	37.4547 W
	Air District Threshold												
	Exceed Significance?												

3.0 Annual GHG Emissions

Annual GHG

Annual GHG

		Unmitigated				Mitigated			
		CO2	CH4	N2O	CO2e	CO2	CH4	N2O	CO2e
GHG Activity	Year	MT/yr							
Operational	2021	41,029.6101	132.9819	0.2693	44,434.4001	41,029.2293	132.9819	0.2693	44,434.0162
	Total								
	Significance Threshold								
	Exceed Significance?								

Existing Operation -2021

Los Angeles-South Coast County, Mitigation Report

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting:

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value 3
No	Land Use	Increase Density	0.00			
No	Land Use	Increase Diversity	0.12	0.35		
No	Land Use	Improve Walkability Design	0.00			
No	Land Use	Improve Destination Accessibility	0.00			
No	Land Use	Increase Transit Accessibility	0.25			

No	Land Use	Integrate Below Market Rate Housing	0.00			
	Land Use	Land Use SubTotal	0.00			
No	Neighborhood Enhancements	Improve Pedestrian Network				
No	Neighborhood Enhancements	Provide Traffic Calming Measures				
No	Neighborhood Enhancements	Implement NEV Network	0.00			
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00			
No	Parking Policy Pricing	Limit Parking Supply	0.00			
No	Parking Policy Pricing	Unbundle Parking Costs	0.00			
No	Parking Policy Pricing	On-street Market Pricing	0.00			
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00			
No	Transit Improvements	Provide BRT System	0.00			
No	Transit Improvements	Expand Transit Network	0.00			
No	Transit Improvements	Increase Transit Frequency	0.00			
	Transit Improvements	Transit Improvements Subtotal	0.00			
		Land Use and Site Enhancement Subtotal	0.00			
No	Commute	Implement Trip Reduction Program				
No	Commute	Transit Subsidy				
No	Commute	Implement Employee Parking "Cash Out"				
No	Commute	Workplace Parking Charge				
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00			
No	Commute	Market Commute Trip Reduction Option	0.00			
No	Commute	Employee Vanpool/Shuttle	0.00		2.00	
No	Commute	Provide Ride Sharing Program				
	Commute	Commute Subtotal	0.00			
No	School Trip	Implement School Bus Program	0.00			
		Total VMT Reduction	0.00			

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
No	No Hearth	
No	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	50.00
No	Use Low VOC Paint (Residential Exterior)	50.00
No	Use Low VOC Paint (Non-residential Interior)	100.00
No	Use Low VOC Paint (Non-residential Exterior)	100.00
No	Use Low VOC Paint (Parking)	100.00
No	% Electric Lawnmower	
No	% Electric Leafblower	
No	% Electric Chainsaw	

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Exceed Title 24		
No	Install High Efficiency Lighting		
Yes	On-site Renewable	1,195.00	

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Apply Water Conservation on Strategy		
No	Use Reclaimed Water		
No	Use Grey Water		
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction		
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape		

Solid Waste Mitigation

Mitigation Measures	Input Value
Institute Recycling and Composting Services	
Percent Reduction in Waste Disposed	

CalEEMod Output: Operation – Existing (Phase 2)

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Existing Operation -2025

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	69.30	1000sqft	16.17	69,295.00	0
Hospital	730.04	1000sqft	16.17	730,044.00	0
Medical Office Building	186.30	1000sqft	16.17	186,296.00	0
Research & Development	457.94	1000sqft	16.17	457,936.00	0
General Light Industry	73.91	1000sqft	1.70	73,909.00	0
Unrefrigerated Warehouse-No Rail	59.24	1000sqft	1.36	59,244.00	0
Parking Lot	31.97	Acre	31.97	1,392,800.00	0
Hotel	13.00	Room	16.17	18,168.00	0
Apartments Low Rise	6.00	Dwelling Unit	0.14	5,958.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - .

Land Use - Based on information provided by the Applicant. Number of rooms and DUs based on actual square footage and CalEEMod area per room/DU rate.

Construction Phase - Operation run only

Vehicle Trips - Trip generation and trip length based on information provided by Fehr & Peers. For purposes of this analysis, all trips are assigned to the Hospital land use.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - Assumes natural gas fireplaces for all units.

Energy Use - Assumes existing buildings built to meet the 2005 Building Energy Efficiency Standards.

Water And Wastewater - Based on water demand and wasteater information provided by KPFF. Assumes no septic tanks or facultive lagoons. Indoor and outdoor water proportioned evenly for purposes of this analysis.

Solid Waste - Based on solid waste generation as calculated in Chapter 5.16, Utilities and Service Systems.

Energy Mitigation -

Fleet Mix - Based on CalTrans vehicle mix for segment of Interstate 210 west of Interstate 605.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	200.00	1.00
tblFireplaces	NumberGas	5.10	6.00
tblFireplaces	NumberNoFireplace	0.60	0.00
tblFireplaces	NumberWood	0.30	0.00
tblFleetMix	FleetMixLandUseSubType	General Office Building	Apartments Low Rise
tblFleetMix	FleetMixLandUseSubType	Hospital	General Light Industry
tblFleetMix	FleetMixLandUseSubType	Medical Office Building	General Office Building
tblFleetMix	FleetMixLandUseSubType	Research & Development	Hospital
tblFleetMix	FleetMixLandUseSubType	General Light Industry	Hotel
tblFleetMix	FleetMixLandUseSubType	Unrefrigerated Warehouse-No Rail	Medical Office Building
tblFleetMix	FleetMixLandUseSubType	Hotel	Research & Development
tblFleetMix	FleetMixLandUseSubType	Apartments Low Rise	Unrefrigerated Warehouse-No Rail
tblFleetMix	HHD	0.03	0.04
tblFleetMix	LDA	0.54	0.63
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT2	0.21	0.24
tblFleetMix	LHD1	0.01	3.5370e-003

tblFleetMix	LHD2	6.2720e-003	1.5100e-003
tblFleetMix	MCY	5.2390e-003	6.0210e-003
tblFleetMix	MDV	0.12	0.03
tblFleetMix	MH	8.4100e-004	2.0200e-004
tblFleetMix	MHD	0.02	4.9910e-003
tblFleetMix	OBUS	2.5720e-003	6.1900e-004
tblFleetMix	SBUS	7.0000e-004	1.6900e-004
tblFleetMix	UBUS	1.9840e-003	4.7800e-004
tblLandUse	BuildingSpaceSquareFeet	69,300.00	69,295.00
tblLandUse	BuildingSpaceSquareFeet	730,040.00	730,044.00
tblLandUse	BuildingSpaceSquareFeet	186,300.00	186,296.00
tblLandUse	BuildingSpaceSquareFeet	457,940.00	457,936.00
tblLandUse	BuildingSpaceSquareFeet	73,910.00	73,909.00
tblLandUse	BuildingSpaceSquareFeet	59,240.00	59,244.00
tblLandUse	BuildingSpaceSquareFeet	1,392,613.20	1,392,800.00
tblLandUse	BuildingSpaceSquareFeet	18,876.00	18,168.00
tblLandUse	BuildingSpaceSquareFeet	6,000.00	5,958.00
tblLandUse	LandUseSquareFeet	69,300.00	69,295.00
tblLandUse	LandUseSquareFeet	730,040.00	730,044.00
tblLandUse	LandUseSquareFeet	186,300.00	186,296.00
tblLandUse	LandUseSquareFeet	457,940.00	457,936.00
tblLandUse	LandUseSquareFeet	73,910.00	73,909.00
tblLandUse	LandUseSquareFeet	59,240.00	59,244.00
tblLandUse	LandUseSquareFeet	1,392,613.20	1,392,800.00
tblLandUse	LandUseSquareFeet	18,876.00	18,168.00
tblLandUse	LandUseSquareFeet	6,000.00	5,958.00
tblLandUse	LotAcreage	1.59	16.17
tblLandUse	LotAcreage	16.76	16.17
tblLandUse	LotAcreage	4.28	16.17
tblLandUse	LotAcreage	10.51	16.17

tblLandUse	LotAcreage	0.43	16.17
tblLandUse	LotAcreage	0.38	0.14
tblLandUse	Population	17.00	0.00
tblProjectCharacteristics	OperationalYear	2018	2025
tblSolidWaste	SolidWasteGenerationRate	2.76	1,215.00
tblSolidWaste	SolidWasteGenerationRate	91.65	1,215.00
tblSolidWaste	SolidWasteGenerationRate	64.45	1,215.00
tblSolidWaste	SolidWasteGenerationRate	7,884.43	1,215.00
tblSolidWaste	SolidWasteGenerationRate	7.12	1,215.00
tblSolidWaste	SolidWasteGenerationRate	2,012.04	1,215.00
tblSolidWaste	SolidWasteGenerationRate	0.00	1,215.00
tblSolidWaste	SolidWasteGenerationRate	34.80	1,215.00
tblSolidWaste	SolidWasteGenerationRate	55.69	1,215.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	16.10	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	14.30
tblVehicleTrips	CW_TTP	64.90	100.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PR_TP	73.00	100.00
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	10.18	16.30
tblVehicleTrips	ST_TR	8.19	0.00
tblVehicleTrips	ST_TR	8.96	0.00
tblVehicleTrips	ST_TR	1.90	0.00
tblVehicleTrips	ST_TR	1.68	0.00

tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	8.91	16.30
tblVehicleTrips	SU_TR	5.95	0.00
tblVehicleTrips	SU_TR	1.55	0.00
tblVehicleTrips	SU_TR	1.11	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	13.22	16.30
tblVehicleTrips	WD_TR	8.17	0.00
tblVehicleTrips	WD_TR	36.13	0.00
tblVehicleTrips	WD_TR	8.11	0.00
tblVehicleTrips	WD_TR	1.68	0.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00

tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	390,924.15	18,804,435.00
tblWater	IndoorWaterUseRate	17,091,687.50	18,804,435.00
tblWater	IndoorWaterUseRate	12,316,948.74	18,804,435.00
tblWater	IndoorWaterUseRate	91,605,811.64	18,804,435.00
tblWater	IndoorWaterUseRate	329,768.01	18,804,435.00
tblWater	IndoorWaterUseRate	23,377,024.15	18,804,435.00
tblWater	IndoorWaterUseRate	225,166,326.18	18,804,435.00
tblWater	IndoorWaterUseRate	13,699,250.00	18,804,435.00
tblWater	OutdoorWaterUseRate	246,452.18	2,089,397.00
tblWater	OutdoorWaterUseRate	0.00	2,089,397.00
tblWater	OutdoorWaterUseRate	7,549,097.61	2,089,397.00
tblWater	OutdoorWaterUseRate	17,448,726.03	2,089,397.00
tblWater	OutdoorWaterUseRate	36,640.89	2,089,397.00
tblWater	OutdoorWaterUseRate	4,452,766.50	2,089,397.00
tblWater	OutdoorWaterUseRate	0.00	2,089,397.00
tblWater	OutdoorWaterUseRate	0.00	2,089,397.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

2.0 Emissions Summary

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	36.5607	0.1307	2.1727	5.4700e-003		0.2513	0.2513		0.2513	0.2513	35.4098	128.3051	163.7149	0.1698	2.3300e-003	168.6527
Energy	1.9640	17.8529	14.9869	0.1071		1.3569	1.3569		1.3569	1.3569		21,425.2106	21,425.2106	0.4107	0.3928	21,552.5299
Mobile	21.2199	91.0975	334.3554	1.3502	130.4374	0.9665	131.4039	34.6921	0.8949	35.5871		137,411.5511	137,411.5511	5.6033		137,551.6333
Total	**59.7446**	**109.0811**	**351.5150**	**1.4628**	**130.4374**	**2.5747**	**133.0121**	**34.6921**	**2.5032**	**37.1953**	**35.4098**	**158,965.0667**	**159,000.4766**	**6.1837**	**0.3951**	**159,272.8159**

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	36.5607	0.1307	2.1727	5.4700e-003		0.2513	0.2513		0.2513	0.2513	35.4098	128.3051	163.7149	0.1698	2.3300e-003	168.6527
Energy	1.9640	17.8529	14.9869	0.1071		1.3569	1.3569		1.3569	1.3569		21,425.2106	21,425.2106	0.4107	0.3928	21,552.5299
Mobile	21.2199	91.0975	334.3554	1.3502	130.4374	0.9665	131.4039	34.6921	0.8949	35.5871		137,411.5511	137,411.5511	5.6033		137,551.6333
Total	**59.7446**	**109.0811**	**351.5150**	**1.4628**	**130.4374**	**2.5747**	**133.0121**	**34.6921**	**2.5032**	**37.1953**	**35.4098**	**158,965.0667**	**159,000.4766**	**6.1837**	**0.3951**	**159,272.8159**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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**

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	21.2199	91.0975	334.3554	1.3502	130.4374	0.9665	131.4039	34.6921	0.8949	35.5871		137,411.5511	137,411.5511	5.6033		137,551.6333
Unmitigated	21.2199	91.0975	334.3554	1.3502	130.4374	0.9665	131.4039	34.6921	0.8949	35.5871		137,411.5511	137,411.5511	5.6033		137,551.6333

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
General Light Industry	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Hospital	11,899.65	11,899.65	11899.65	61,940,069	61,940,069
Hotel	0.00	0.00	0.00		
Medical Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Research & Development	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	11,899.65	11,899.65	11,899.65	61,940,069	61,940,069

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
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Hospital	14.30	0.00	0.00	100.00	0.00	0.00	100	0	0
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Research & Development	16.60	8.40	6.90	33.00	48.00	19.00	82	15	3
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
General Light Industry	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
General Office Building	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Hospital	0.626163	0.051128	0.238688	0.026012	0.003537	0.001510	0.004991	0.040482	0.000619	0.000478	0.006021	0.000169	0.000202
Hotel	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Medical Office Building	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Parking Lot	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Research & Development	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Unrefrigerated Warehouse-No Rail	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

Kilowatt Hours of Renewable Electricity Generated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.9640	17.8529	14.9869	0.1071		1.3569	1.3569		1.3569	1.3569		21,425.2106	21,425.2106	0.4107	0.3928	21,552.5299
NaturalGas Unmitigated	1.9640	17.8529	14.9869	0.1071		1.3569	1.3569		1.3569	1.3569		21,425.2106	21,425.2106	0.4107	0.3928	21,552.5299

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	248.312	2.6800e-003	0.0229	9.7400e-003	1.5000e-004		1.8500e-003	1.8500e-003		1.8500e-003	1.8500e-003		29.2131	29.2131	5.6000e-004	5.4000e-004	29.3867
General Light Industry	4009.31	0.0432	0.3931	0.3302	2.3600e-003		0.0299	0.0299		0.0299	0.0299		471.6836	471.6836	9.0400e-003	8.6500e-003	474.4865
General Office Building	2361.73	0.0255	0.2315	0.1945	1.3900e-003		0.0176	0.0176		0.0176	0.0176		277.8501	277.8501	5.3300e-003	5.0900e-003	279.5012
Hospital	142849	1.5405	14.0048	11.7640	0.0840		1.0644	1.0644		1.0644	1.0644		16,805.7188	16,805.7188	0.3221	0.3081	16,905.5868
Hotel	1286.69	0.0139	0.1262	0.1060	7.6000e-004		9.5900e-003	9.5900e-003		9.5900e-003	9.5900e-003		151.3756	151.3756	2.9000e-003	2.7800e-003	152.2752
Medical Office Building	6349.38	0.0685	0.6225	0.5229	3.7300e-003		0.0473	0.0473		0.0473	0.0473		746.9854	746.9854	0.0143	0.0137	751.4244
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	24841.5	0.2679	2.4354	2.0458	0.0146		0.1851	0.1851		0.1851	0.1851		2,922.5247	2,922.5247	0.0560	0.0536	2,939.8918
Unrefrigerated Warehouse-No Rail	168.805	1.8200e-003	0.0166	0.0139	1.0000e-004		1.2600e-003	1.2600e-003		1.2600e-003	1.2600e-003		19.8594	19.8594	3.8000e-004	3.6000e-004	19.9774
Total		**1.9640**	**17.8529**	**14.9869**	**0.1071**		**1.3569**	**1.3569**		**1.3569**	**1.3569**		**21,425.2106**	**21,425.2106**	**0.4107**	**0.3928**	**21,552.5299**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	0.248312	2.6800e-003	0.0229	9.7400e-003	1.5000e-004		1.8500e-003	1.8500e-003		1.8500e-003	1.8500e-003		29.2131	29.2131	5.6000e-004	5.4000e-004	29.3867
General Light Industry	4.00931	0.0432	0.3931	0.3302	2.3600e-003		0.0299	0.0299		0.0299	0.0299		471.6836	471.6836	9.0400e-003	8.6500e-003	474.4865
General Office Building	2.36173	0.0255	0.2315	0.1945	1.3900e-003		0.0176	0.0176		0.0176	0.0176		277.8501	277.8501	5.3300e-003	5.0900e-003	279.5012
Hospital	142.849	1.5405	14.0048	11.7640	0.0840		1.0644	1.0644		1.0644	1.0644		16,805.7188	16,805.7188	0.3221	0.3081	16,905.5868
Hotel	1.28669	0.0139	0.1262	0.1060	7.6000e-004		9.5900e-003	9.5900e-003		9.5900e-003	9.5900e-003		151.3756	151.3756	2.9000e-003	2.7800e-003	152.2752
Medical Office Building	6.34938	0.0685	0.6225	0.5229	3.7300e-003		0.0473	0.0473		0.0473	0.0473		746.9854	746.9854	0.0143	0.0137	751.4244
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	24.8415	0.2679	2.4354	2.0458	0.0146		0.1851	0.1851		0.1851	0.1851		2,922.5247	2,922.5247	0.0560	0.0536	2,939.8918
Unrefrigerated Warehouse-No Rail	0.168805	1.8200e-003	0.0166	0.0139	1.0000e-004		1.2600e-003	1.2600e-003		1.2600e-003	1.2600e-003		19.8594	19.8594	3.8000e-004	3.6000e-004	19.9774
Total		**1.9640**	**17.8529**	**14.9869**	**0.1071**		**1.3569**	**1.3569**		**1.3569**	**1.3569**		**21,425.2106**	**21,425.2106**	**0.4107**	**0.3928**	**21,552.5299**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	36.5607	0.1307	2.1727	5.4700e-003		0.2513	0.2513		0.2513	0.2513	35.4098	128.3051	163.7149	0.1698	2.3300e-003	168.6527
Unmitigated	36.5607	0.1307	2.1727	5.4700e-003		0.2513	0.2513		0.2513	0.2513	35.4098	128.3051	163.7149	0.1698	2.3300e-003	168.6527

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	4.1669					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	32.1902					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1736	0.1235	1.5130	5.4300e-003		0.2480	0.2480		0.2480	0.2480	35.4098	127.0588	162.4687	0.1680	2.3300e-003	167.3620
Landscaping	0.0301	7.1900e-003	0.6597	4.0000e-005		3.3300e-003	3.3300e-003		3.3300e-003	3.3300e-003		1.2462	1.2462	1.7800e-003		1.2906
Total	**36.5607**	**0.1307**	**2.1726**	**5.4700e-003**		**0.2513**	**0.2513**		**0.2513**	**0.2513**	**35.4098**	**128.3051**	**163.7149**	**0.1698**	**2.3300e-003**	**168.6527**

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	4.1669					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	32.1902					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1736	0.1235	1.5130	5.4300e-003		0.2480	0.2480		0.2480	0.2480	35.4098	127.0588	162.4687	0.1680	2.3300e-003	167.3620
Landscaping	0.0301	7.1900e-003	0.6597	4.0000e-005		3.3300e-003	3.3300e-003		3.3300e-003	3.3300e-003		1.2462	1.2462	1.7800e-003		1.2906
Total	**36.5607**	**0.1307**	**2.1726**	**5.4700e-003**		**0.2513**	**0.2513**		**0.2513**	**0.2513**	**35.4098**	**128.3051**	**163.7149**	**0.1698**	**2.3300e-003**	**168.6527**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Existing Operation -2025

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	69.30	1000sqft	16.17	69,295.00	0
Hospital	730.04	1000sqft	16.17	730,044.00	0
Medical Office Building	186.30	1000sqft	16.17	186,296.00	0
Research & Development	457.94	1000sqft	16.17	457,936.00	0
General Light Industry	73.91	1000sqft	1.70	73,909.00	0
Unrefrigerated Warehouse-No Rail	59.24	1000sqft	1.36	59,244.00	0
Parking Lot	31.97	Acre	31.97	1,392,800.00	0
Hotel	13.00	Room	16.17	18,168.00	0
Apartments Low Rise	6.00	Dwelling Unit	0.14	5,958.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - .

Land Use - Based on information provided by the Applicant. Number of rooms and DUs based on actual square footage and CalEEMod area per room/DU rate.

Construction Phase - Operation run only

Vehicle Trips - Trip generation and trip length based on information provided by Fehr & Peers. For purposes of this analysis, all trips are assigned to the Hospital land use.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - Assumes natural gas fireplaces for all units.

Energy Use - Assumes existing buildings built to meet the 2005 Building Energy Efficiency Standards.

Water And Wastewater - Based on water demand and wasteater information provided by KPFF. Assumes no septic tanks or facultive lagoons. Indoor and outdoor water proportioned evenly for purposes of this analysis.

Solid Waste - Based on solid waste generation as calculated in Chapter 5.16, Utilities and Service Systems.

Energy Mitigation -

Fleet Mix - Based on CalTrans vehicle mix for segment of Interstate 210 west of Interstate 605.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	200.00	1.00
tblFireplaces	NumberGas	5.10	6.00
tblFireplaces	NumberNoFireplace	0.60	0.00
tblFireplaces	NumberWood	0.30	0.00
tblFleetMix	FleetMixLandUseSubType	General Office Building	Apartments Low Rise
tblFleetMix	FleetMixLandUseSubType	Hospital	General Light Industry
tblFleetMix	FleetMixLandUseSubType	Medical Office Building	General Office Building
tblFleetMix	FleetMixLandUseSubType	Research & Development	Hospital
tblFleetMix	FleetMixLandUseSubType	General Light Industry	Hotel
tblFleetMix	FleetMixLandUseSubType	Unrefrigerated Warehouse-No Rail	Medical Office Building
tblFleetMix	FleetMixLandUseSubType	Hotel	Research & Development

tblFleetMix	FleetMixLandUseSubType	Apartments Low Rise	Unrefrigerated Warehouse-No Rail
tblFleetMix	HHD	0.03	0.04
tblFleetMix	LDA	0.54	0.63
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT2	0.21	0.24
tblFleetMix	LHD1	0.01	3.5370e-003
tblFleetMix	LHD2	6.2720e-003	1.5100e-003
tblFleetMix	MCY	5.2390e-003	6.0210e-003
tblFleetMix	MDV	0.12	0.03
tblFleetMix	MH	8.4100e-004	2.0200e-004
tblFleetMix	MHD	0.02	4.9910e-003
tblFleetMix	OBUS	2.5720e-003	6.1900e-004
tblFleetMix	SBUS	7.0000e-004	1.6900e-004
tblFleetMix	UBUS	1.9840e-003	4.7800e-004
tblLandUse	BuildingSpaceSquareFeet	69,300.00	69,295.00
tblLandUse	BuildingSpaceSquareFeet	730,040.00	730,044.00
tblLandUse	BuildingSpaceSquareFeet	186,300.00	186,296.00
tblLandUse	BuildingSpaceSquareFeet	457,940.00	457,936.00
tblLandUse	BuildingSpaceSquareFeet	73,910.00	73,909.00
tblLandUse	BuildingSpaceSquareFeet	59,240.00	59,244.00
tblLandUse	BuildingSpaceSquareFeet	1,392,613.20	1,392,800.00
tblLandUse	BuildingSpaceSquareFeet	18,876.00	18,168.00
tblLandUse	BuildingSpaceSquareFeet	6,000.00	5,958.00
tblLandUse	LandUseSquareFeet	69,300.00	69,295.00
tblLandUse	LandUseSquareFeet	730,040.00	730,044.00
tblLandUse	LandUseSquareFeet	186,300.00	186,296.00
tblLandUse	LandUseSquareFeet	457,940.00	457,936.00
tblLandUse	LandUseSquareFeet	73,910.00	73,909.00

tblLandUse	LandUseSquareFeet	59,240.00	59,244.00
tblLandUse	LandUseSquareFeet	1,392,613.20	1,392,800.00
tblLandUse	LandUseSquareFeet	18,876.00	18,168.00
tblLandUse	LandUseSquareFeet	6,000.00	5,958.00
tblLandUse	LotAcreage	1.59	16.17
tblLandUse	LotAcreage	16.76	16.17
tblLandUse	LotAcreage	4.28	16.17
tblLandUse	LotAcreage	10.51	16.17
tblLandUse	LotAcreage	0.43	16.17
tblLandUse	LotAcreage	0.38	0.14
tblLandUse	Population	17.00	0.00
tblProjectCharacteristics	OperationalYear	2018	2025
tblSolidWaste	SolidWasteGenerationRate	2.76	1,215.00
tblSolidWaste	SolidWasteGenerationRate	91.65	1,215.00
tblSolidWaste	SolidWasteGenerationRate	64.45	1,215.00
tblSolidWaste	SolidWasteGenerationRate	7,884.43	1,215.00
tblSolidWaste	SolidWasteGenerationRate	7.12	1,215.00
tblSolidWaste	SolidWasteGenerationRate	2,012.04	1,215.00
tblSolidWaste	SolidWasteGenerationRate	0.00	1,215.00
tblSolidWaste	SolidWasteGenerationRate	34.80	1,215.00
tblSolidWaste	SolidWasteGenerationRate	55.69	1,215.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	16.10	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	14.30
tblVehicleTrips	CW_TTP	64.90	100.00
tblVehicleTrips	DV_TP	25.00	0.00

tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PR_TP	73.00	100.00
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	10.18	16.30
tblVehicleTrips	ST_TR	8.19	0.00
tblVehicleTrips	ST_TR	8.96	0.00
tblVehicleTrips	ST_TR	1.90	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	8.91	16.30
tblVehicleTrips	SU_TR	5.95	0.00
tblVehicleTrips	SU_TR	1.55	0.00
tblVehicleTrips	SU_TR	1.11	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	13.22	16.30
tblVehicleTrips	WD_TR	8.17	0.00
tblVehicleTrips	WD_TR	36.13	0.00
tblVehicleTrips	WD_TR	8.11	0.00
tblVehicleTrips	WD_TR	1.68	0.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00

tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	390,924.15	18,804,435.00
tblWater	IndoorWaterUseRate	17,091,687.50	18,804,435.00
tblWater	IndoorWaterUseRate	12,316,948.74	18,804,435.00
tblWater	IndoorWaterUseRate	91,605,811.64	18,804,435.00
tblWater	IndoorWaterUseRate	329,768.01	18,804,435.00
tblWater	IndoorWaterUseRate	23,377,024.15	18,804,435.00
tblWater	IndoorWaterUseRate	225,166,326.18	18,804,435.00
tblWater	IndoorWaterUseRate	13,699,250.00	18,804,435.00
tblWater	OutdoorWaterUseRate	246,452.18	2,089,397.00
tblWater	OutdoorWaterUseRate	0.00	2,089,397.00
tblWater	OutdoorWaterUseRate	7,549,097.61	2,089,397.00
tblWater	OutdoorWaterUseRate	17,448,726.03	2,089,397.00
tblWater	OutdoorWaterUseRate	36,640.89	2,089,397.00
tblWater	OutdoorWaterUseRate	4,452,766.50	2,089,397.00

tblWater	OutdoorWaterUseRate	0.00	2,089,397.00
tblWater	OutdoorWaterUseRate	0.00	2,089,397.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

2.0 Emissions Summary

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	36.5607	0.1307	2.1727	5.4700e-003		0.2513	0.2513		0.2513	0.2513	35.4098	128.3051	163.7149	0.1698	2.3300e-003	168.6527
Energy	1.9640	17.8529	14.9869	0.1071		1.3569	1.3569		1.3569	1.3569		21,425.2106	21,425.2106	0.4107	0.3928	21,552.5299
Mobile	20.6073	93.4360	312.1281	1.2826	130.4374	0.9697	131.4071	34.6921	0.8980	35.5901		130,617.5283	130,617.5283	5.5710		130,756.8038
Total	**59.1320**	**111.4196**	**329.2877**	**1.3952**	**130.4374**	**2.5779**	**133.0153**	**34.6921**	**2.5062**	**37.1983**	**35.4098**	**152,171.0439**	**152,206.4538**	**6.1514**	**0.3951**	**152,477.9864**

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	36.5607	0.1307	2.1727	5.4700e-003		0.2513	0.2513		0.2513	0.2513	35.4098	128.3051	163.7149	0.1698	2.3300e-003	168.6527
Energy	1.9640	17.8529	14.9869	0.1071		1.3569	1.3569		1.3569	1.3569		21,425.2106	21,425.2106	0.4107	0.3928	21,552.5299
Mobile	20.6073	93.4360	312.1281	1.2826	130.4374	0.9697	131.4071	34.6921	0.8980	35.5901		130,617.5283	130,617.5283	5.5710		130,756.8038
Total	**59.1320**	**111.4196**	**329.2877**	**1.3952**	**130.4374**	**2.5779**	**133.0153**	**34.6921**	**2.5062**	**37.1983**	**35.4098**	**152,171.0439**	**152,206.4538**	**6.1514**	**0.3951**	**152,477.9864**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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**

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	20.6073	93.4360	312.1281	1.2826	130.4374	0.9697	131.4071	34.6921	0.8980	35.5901		130,617.5283	130,617.5283	5.5710		130,756.8038
Unmitigated	20.6073	93.4360	312.1281	1.2826	130.4374	0.9697	131.4071	34.6921	0.8980	35.5901		130,617.5283	130,617.5283	5.5710		130,756.8038

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
General Light Industry	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Hospital	11,899.65	11,899.65	11899.65	61,940,069	61,940,069
Hotel	0.00	0.00	0.00		
Medical Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Research & Development	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	11,899.65	11,899.65	11,899.65	61,940,069	61,940,069

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
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Hospital	14.30	0.00	0.00	100.00	0.00	0.00	100	0	0
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Research & Development	16.60	8.40	6.90	33.00	48.00	19.00	82	15	3
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
General Light Industry	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
General Office Building	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Hospital	0.626163	0.051128	0.238688	0.026012	0.003537	0.001510	0.004991	0.040482	0.000619	0.000478	0.006021	0.000169	0.000202
Hotel	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Medical Office Building	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Parking Lot	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Research & Development	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Unrefrigerated Warehouse-No Rail	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

Kilowatt Hours of Renewable Electricity Generated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.9640	17.8529	14.9869	0.1071		1.3569	1.3569		1.3569	1.3569		21,425.2106	21,425.2106	0.4107	0.3928	21,552.5299
NaturalGas Unmitigated	1.9640	17.8529	14.9869	0.1071		1.3569	1.3569		1.3569	1.3569		21,425.2106	21,425.2106	0.4107	0.3928	21,552.5299

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	248.312	2.6800e-003	0.0229	9.7400e-003	1.5000e-004		1.8500e-003	1.8500e-003		1.8500e-003	1.8500e-003		29.2131	29.2131	5.6000e-004	5.4000e-004	29.3867
General Light Industry	4009.31	0.0432	0.3931	0.3302	2.3600e-003		0.0299	0.0299		0.0299	0.0299		471.6836	471.6836	9.0400e-003	8.6500e-003	474.4865
General Office Building	2361.73	0.0255	0.2315	0.1945	1.3900e-003		0.0176	0.0176		0.0176	0.0176		277.8501	277.8501	5.3300e-003	5.0900e-003	279.5012
Hospital	142849	1.5405	14.0048	11.7640	0.0840		1.0644	1.0644		1.0644	1.0644		16,805.7188	16,805.7188	0.3221	0.3081	16,905.5868
Hotel	1286.69	0.0139	0.1262	0.1060	7.6000e-004		9.5900e-003	9.5900e-003		9.5900e-003	9.5900e-003		151.3756	151.3756	2.9000e-003	2.7800e-003	152.2752
Medical Office Building	6349.38	0.0685	0.6225	0.5229	3.7300e-003		0.0473	0.0473		0.0473	0.0473		746.9854	746.9854	0.0143	0.0137	751.4244
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	24841.5	0.2679	2.4354	2.0458	0.0146		0.1851	0.1851		0.1851	0.1851		2,922.5247	2,922.5247	0.0560	0.0536	2,939.8918
Unrefrigerated Warehouse-No Rail	168.805	1.8200e-003	0.0166	0.0139	1.0000e-004		1.2600e-003	1.2600e-003		1.2600e-003	1.2600e-003		19.8594	19.8594	3.8000e-004	3.6000e-004	19.9774
Total		**1.9640**	**17.8529**	**14.9869**	**0.1071**		**1.3569**	**1.3569**		**1.3569**	**1.3569**		**21,425.2106**	**21,425.2106**	**0.4107**	**0.3928**	**21,552.5299**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	0.248312	2.6800e-003	0.0229	9.7400e-003	1.5000e-004		1.8500e-003	1.8500e-003		1.8500e-003	1.8500e-003		29.2131	29.2131	5.6000e-004	5.4000e-004	29.3867
General Light Industry	4.00931	0.0432	0.3931	0.3302	2.3600e-003		0.0299	0.0299		0.0299	0.0299		471.6836	471.6836	9.0400e-003	8.6500e-003	474.4865
General Office Building	2.36173	0.0255	0.2315	0.1945	1.3900e-003		0.0176	0.0176		0.0176	0.0176		277.8501	277.8501	5.3300e-003	5.0900e-003	279.5012
Hospital	142.849	1.5405	14.0048	11.7640	0.0840		1.0644	1.0644		1.0644	1.0644		16,805.7188	16,805.7188	0.3221	0.3081	16,905.5868
Hotel	1.28669	0.0139	0.1262	0.1060	7.6000e-004		9.5900e-003	9.5900e-003		9.5900e-003	9.5900e-003		151.3756	151.3756	2.9000e-003	2.7800e-003	152.2752
Medical Office Building	6.34938	0.0685	0.6225	0.5229	3.7300e-003		0.0473	0.0473		0.0473	0.0473		746.9854	746.9854	0.0143	0.0137	751.4244
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	24.8415	0.2679	2.4354	2.0458	0.0146		0.1851	0.1851		0.1851	0.1851		2,922.5247	2,922.5247	0.0560	0.0536	2,939.8918
Unrefrigerated Warehouse-No Rail	0.168805	1.8200e-003	0.0166	0.0139	1.0000e-004		1.2600e-003	1.2600e-003		1.2600e-003	1.2600e-003		19.8594	19.8594	3.8000e-004	3.6000e-004	19.9774
Total		**1.9640**	**17.8529**	**14.9869**	**0.1071**		**1.3569**	**1.3569**		**1.3569**	**1.3569**		**21,425.2106**	**21,425.2106**	**0.4107**	**0.3928**	**21,552.5299**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	36.5607	0.1307	2.1727	5.4700e-003		0.2513	0.2513		0.2513	0.2513	35.4098	128.3051	163.7149	0.1698	2.3300e-003	168.6527
Unmitigated	36.5607	0.1307	2.1727	5.4700e-003		0.2513	0.2513		0.2513	0.2513	35.4098	128.3051	163.7149	0.1698	2.3300e-003	168.6527

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	4.1669					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	32.1902					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1736	0.1235	1.5130	5.4300e-003		0.2480	0.2480		0.2480	0.2480	35.4098	127.0588	162.4687	0.1680	2.3300e-003	167.3620
Landscaping	0.0301	7.1900e-003	0.6597	4.0000e-005		3.3300e-003	3.3300e-003		3.3300e-003	3.3300e-003		1.2462	1.2462	1.7800e-003		1.2906
Total	**36.5607**	**0.1307**	**2.1726**	**5.4700e-003**		**0.2513**	**0.2513**		**0.2513**	**0.2513**	**35.4098**	**128.3051**	**163.7149**	**0.1698**	**2.3300e-003**	**168.6527**

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	4.1669					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	32.1902					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1736	0.1235	1.5130	5.4300e-003		0.2480	0.2480		0.2480	0.2480	35.4098	127.0588	162.4687	0.1680	2.3300e-003	167.3620
Landscaping	0.0301	7.1900e-003	0.6597	4.0000e-005		3.3300e-003	3.3300e-003		3.3300e-003	3.3300e-003		1.2462	1.2462	1.7800e-003		1.2906
Total	**36.5607**	**0.1307**	**2.1726**	**5.4700e-003**		**0.2513**	**0.2513**		**0.2513**	**0.2513**	**35.4098**	**128.3051**	**163.7149**	**0.1698**	**2.3300e-003**	**168.6527**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Existing Operation -2025

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	69.30	1000sqft	16.17	69,295.00	0
Hospital	730.04	1000sqft	16.17	730,044.00	0
Medical Office Building	186.30	1000sqft	16.17	186,296.00	0
Research & Development	457.94	1000sqft	16.17	457,936.00	0
General Light Industry	73.91	1000sqft	1.70	73,909.00	0
Unrefrigerated Warehouse-No Rail	59.24	1000sqft	1.36	59,244.00	0
Parking Lot	31.97	Acre	31.97	1,392,800.00	0
Hotel	13.00	Room	16.17	18,168.00	0
Apartments Low Rise	6.00	Dwelling Unit	0.14	5,958.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - .

Land Use - Based on information provided by the Applicant. Number of rooms and DUs based on actual square footage and CalEEMod area per room/DU rate.

Construction Phase - Operation run only

Vehicle Trips - Trip generation and trip length based on information provided by Fehr & Peers. For purposes of this analysis, all trips are assigned to the Hospital land use.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - Assumes natural gas fireplaces for all units.

Energy Use - Assumes existing buildings built to meet the 2005 Building Energy Efficiency Standards.

Water And Wastewater - Based on water demand and wasteater information provided by KPFF. Assumes no septic tanks or facultive lagoons. Indoor and outdoor water proportioned evenly for purposes of this analysis.

Solid Waste - Based on solid waste generation as calculated in Chapter 5.16, Utilities and Service Systems.

Energy Mitigation -

Fleet Mix - Based on CalTrans vehicle mix for segment of Interstate 210 west of Interstate 605.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	200.00	1.00
tblFireplaces	NumberGas	5.10	6.00
tblFireplaces	NumberNoFireplace	0.60	0.00
tblFireplaces	NumberWood	0.30	0.00
tblFleetMix	FleetMixLandUseSubType	General Office Building	Apartments Low Rise
tblFleetMix	FleetMixLandUseSubType	Hospital	General Light Industry
tblFleetMix	FleetMixLandUseSubType	Medical Office Building	General Office Building
tblFleetMix	FleetMixLandUseSubType	Research & Development	Hospital
tblFleetMix	FleetMixLandUseSubType	General Light Industry	Hotel
tblFleetMix	FleetMixLandUseSubType	Unrefrigerated Warehouse-No Rail	Medical Office Building

tblFleetMix	FleetMixLandUseSubType	Hotel	Research & Development
tblFleetMix	FleetMixLandUseSubType	Apartments Low Rise	Unrefrigerated Warehouse-No Rail
tblFleetMix	HHD	0.03	0.04
tblFleetMix	LDA	0.54	0.63
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT2	0.21	0.24
tblFleetMix	LHD1	0.01	3.5370e-003
tblFleetMix	LHD2	6.2720e-003	1.5100e-003
tblFleetMix	MCY	5.2390e-003	6.0210e-003
tblFleetMix	MDV	0.12	0.03
tblFleetMix	MH	8.4100e-004	2.0200e-004
tblFleetMix	MHD	0.02	4.9910e-003
tblFleetMix	OBUS	2.5720e-003	6.1900e-004
tblFleetMix	SBUS	7.0000e-004	1.6900e-004
tblFleetMix	UBUS	1.9840e-003	4.7800e-004
tblLandUse	BuildingSpaceSquareFeet	69,300.00	69,295.00
tblLandUse	BuildingSpaceSquareFeet	730,040.00	730,044.00
tblLandUse	BuildingSpaceSquareFeet	186,300.00	186,296.00
tblLandUse	BuildingSpaceSquareFeet	457,940.00	457,936.00
tblLandUse	BuildingSpaceSquareFeet	73,910.00	73,909.00
tblLandUse	BuildingSpaceSquareFeet	59,240.00	59,244.00
tblLandUse	BuildingSpaceSquareFeet	1,392,613.20	1,392,800.00
tblLandUse	BuildingSpaceSquareFeet	18,876.00	18,168.00
tblLandUse	BuildingSpaceSquareFeet	6,000.00	5,958.00
tblLandUse	LandUseSquareFeet	69,300.00	69,295.00
tblLandUse	LandUseSquareFeet	730,040.00	730,044.00
tblLandUse	LandUseSquareFeet	186,300.00	186,296.00

tblLandUse	LandUseSquareFeet	457,940.00	457,936.00
tblLandUse	LandUseSquareFeet	73,910.00	73,909.00
tblLandUse	LandUseSquareFeet	59,240.00	59,244.00
tblLandUse	LandUseSquareFeet	1,392,613.20	1,392,800.00
tblLandUse	LandUseSquareFeet	18,876.00	18,168.00
tblLandUse	LandUseSquareFeet	6,000.00	5,958.00
tblLandUse	LotAcreage	1.59	16.17
tblLandUse	LotAcreage	16.76	16.17
tblLandUse	LotAcreage	4.28	16.17
tblLandUse	LotAcreage	10.51	16.17
tblLandUse	LotAcreage	0.43	16.17
tblLandUse	LotAcreage	0.38	0.14
tblLandUse	Population	17.00	0.00
tblProjectCharacteristics	OperationalYear	2018	2025
tblSolidWaste	SolidWasteGenerationRate	2.76	1,215.00
tblSolidWaste	SolidWasteGenerationRate	91.65	1,215.00
tblSolidWaste	SolidWasteGenerationRate	64.45	1,215.00
tblSolidWaste	SolidWasteGenerationRate	7,884.43	1,215.00
tblSolidWaste	SolidWasteGenerationRate	7.12	1,215.00
tblSolidWaste	SolidWasteGenerationRate	2,012.04	1,215.00
tblSolidWaste	SolidWasteGenerationRate	0.00	1,215.00
tblSolidWaste	SolidWasteGenerationRate	34.80	1,215.00
tblSolidWaste	SolidWasteGenerationRate	55.69	1,215.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	16.10	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00

tblVehicleTrips	CW_TL	16.60	14.30
tblVehicleTrips	CW_TTP	64.90	100.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PR_TP	73.00	100.00
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	10.18	16.30
tblVehicleTrips	ST_TR	8.19	0.00
tblVehicleTrips	ST_TR	8.96	0.00
tblVehicleTrips	ST_TR	1.90	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	8.91	16.30
tblVehicleTrips	SU_TR	5.95	0.00
tblVehicleTrips	SU_TR	1.55	0.00
tblVehicleTrips	SU_TR	1.11	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	13.22	16.30
tblVehicleTrips	WD_TR	8.17	0.00
tblVehicleTrips	WD_TR	36.13	0.00

tblVehicleTrips	WD_TR	8.11	0.00
tblVehicleTrips	WD_TR	1.68	0.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	390,924.15	18,804,435.00
tblWater	IndoorWaterUseRate	17,091,687.50	18,804,435.00
tblWater	IndoorWaterUseRate	12,316,948.74	18,804,435.00
tblWater	IndoorWaterUseRate	91,605,811.64	18,804,435.00
tblWater	IndoorWaterUseRate	329,768.01	18,804,435.00
tblWater	IndoorWaterUseRate	23,377,024.15	18,804,435.00
tblWater	IndoorWaterUseRate	225,166,326.18	18,804,435.00
tblWater	IndoorWaterUseRate	13,699,250.00	18,804,435.00
tblWater	OutdoorWaterUseRate	246,452.18	2,089,397.00

tblWater	OutdoorWaterUseRate	0.00	2,089,397.00
tblWater	OutdoorWaterUseRate	7,549,097.61	2,089,397.00
tblWater	OutdoorWaterUseRate	17,448,726.03	2,089,397.00
tblWater	OutdoorWaterUseRate	36,640.89	2,089,397.00
tblWater	OutdoorWaterUseRate	4,452,766.50	2,089,397.00
tblWater	OutdoorWaterUseRate	0.00	2,089,397.00
tblWater	OutdoorWaterUseRate	0.00	2,089,397.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

2.0 Emissions Summary

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	6.6411	2.4400e-003	0.1014	7.0000e-005		3.5200e-003	3.5200e-003		3.5200e-003	3.5200e-003	0.4015	1.5821	1.9837	2.1100e-003	3.0000e-005	2.0442
Energy	0.3584	3.2582	2.7351	0.0196		0.2476	0.2476		0.2476	0.2476	0.0000	13,220.6296	13,220.6296	0.4674	0.1477	13,276.3158
Mobile	3.6853	17.3258	57.8675	0.2368	23.2769	0.1759	23.4528	6.2004	0.1629	6.3633	0.0000	21,874.6776	21,874.6776	0.9171	0.0000	21,897.6041
Waste						0.0000	0.0000		0.0000	0.0000	2,219.7062	0.0000	2,219.7062	131.1809	0.0000	5,499.2281
Water						0.0000	0.0000		0.0000	0.0000	53.2243	683.2919	736.5162	0.2114	0.1216	778.0327
Total	**10.6848**	**20.5864**	**60.7039**	**0.2564**	**23.2769**	**0.4271**	**23.7040**	**6.2004**	**0.4141**	**6.6145**	**2,273.3320**	**35,780.1813**	**38,053.5133**	**132.7788**	**0.2693**	**41,453.2249**

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	6.6411	2.4400e-003	0.1014	7.0000e-005		3.5200e-003	3.5200e-003		3.5200e-003	3.5200e-003	0.4015	1.5821	1.9837	2.1100e-003	3.0000e-005	2.0442
Energy	0.3584	3.2582	2.7351	0.0196		0.2476	0.2476		0.2476	0.2476	0.0000	13,220.2488	13,220.2488	0.4673	0.1477	13,275.9337
Mobile	3.6853	17.3258	57.8675	0.2368	23.2769	0.1759	23.4528	6.2004	0.1629	6.3633	0.0000	21,874.6776	21,874.6776	0.9171	0.0000	21,897.6041
Waste						0.0000	0.0000		0.0000	0.0000	2,219.7062	0.0000	2,219.7062	131.1809	0.0000	5,499.2281
Water						0.0000	0.0000		0.0000	0.0000	53.2243	683.2919	736.5162	0.2114	0.1216	778.0327
Total	**10.6848**	**20.5864**	**60.7039**	**0.2564**	**23.2769**	**0.4271**	**23.7040**	**6.2004**	**0.4141**	**6.6145**	**2,273.3320**	**35,779.8005**	**38,053.1326**	**132.7788**	**0.2693**	**41,452.8428**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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**

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	3.6853	17.3258	57.8675	0.2368	23.2769	0.1759	23.4528	6.2004	0.1629	6.3633	0.0000	21,874.6776	21,874.6776	0.9171	0.0000	21,897.6041
Unmitigated	3.6853	17.3258	57.8675	0.2368	23.2769	0.1759	23.4528	6.2004	0.1629	6.3633	0.0000	21,874.6776	21,874.6776	0.9171	0.0000	21,897.6041

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
General Light Industry	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Hospital	11,899.65	11,899.65	11899.65	61,940,069	61,940,069
Hotel	0.00	0.00	0.00		
Medical Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Research & Development	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	11,899.65	11,899.65	11,899.65	61,940,069	61,940,069

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
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Hospital	14.30	0.00	0.00	100.00	0.00	0.00	100	0	0
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Research & Development	16.60	8.40	6.90	33.00	48.00	19.00	82	15	3
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
General Light Industry	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
General Office Building	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Hospital	0.626163	0.051128	0.238688	0.026012	0.003537	0.001510	0.004991	0.040482	0.000619	0.000478	0.006021	0.000169	0.000202
Hotel	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Medical Office Building	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Parking Lot	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Research & Development	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Unrefrigerated Warehouse-No Rail	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

Kilowatt Hours of Renewable Electricity Generated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	9,673.0649	9,673.0649	0.3994	0.0826	9,707.6706
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	9,673.4457	9,673.4457	0.3994	0.0826	9,708.0527
NaturalGas Mitigated	0.3584	3.2582	2.7351	0.0196		0.2476	0.2476		0.2476	0.2476	0.0000	3,547.1839	3,547.1839	0.0680	0.0650	3,568.2630
NaturalGas Unmitigated	0.3584	3.2582	2.7351	0.0196		0.2476	0.2476		0.2476	0.2476	0.0000	3,547.1839	3,547.1839	0.0680	0.0650	3,568.2630

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	90633.8	4.9000e-004	4.1800e-003	1.7800e-003	3.0000e-005		3.4000e-004	3.4000e-004		3.4000e-004	3.4000e-004	0.0000	4.8366	4.8366	9.0000e-005	9.0000e-005	4.8653
General Light Industry	1.4634e+006	7.8900e-003	0.0717	0.0603	4.3000e-004		5.4500e-003	5.4500e-003		5.4500e-003	5.4500e-003	0.0000	78.0925	78.0925	1.5000e-003	1.4300e-003	78.5566
General Office Building	862030	4.6500e-003	0.0423	0.0355	2.5000e-004		3.2100e-003	3.2100e-003		3.2100e-003	3.2100e-003	0.0000	46.0012	46.0012	8.8000e-004	8.4000e-004	46.2746
Hospital	5.21397e+007	0.2812	2.5559	2.1469	0.0153		0.1943	0.1943		0.1943	0.1943	0.0000	2,782.3752	2,782.3752	0.0533	0.0510	2,798.9095
Hotel	469643	2.5300e-003	0.0230	0.0193	1.4000e-004		1.7500e-003	1.7500e-003		1.7500e-003	1.7500e-003	0.0000	25.0619	25.0619	4.8000e-004	4.6000e-004	25.2109
Medical Office Building	2.31752e+006	0.0125	0.1136	0.0954	6.8000e-004		8.6300e-003	8.6300e-003		8.6300e-003	8.6300e-003	0.0000	123.6718	123.6718	2.3700e-003	2.2700e-003	124.4067
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	9.06713e+006	0.0489	0.4445	0.3734	2.6700e-003		0.0338	0.0338		0.0338	0.0338	0.0000	483.8567	483.8567	9.2700e-003	8.8700e-003	486.7321
Unrefrigerated Warehouse-No Rail	61613.8	3.3000e-004	3.0200e-003	2.5400e-003	2.0000e-005		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004	0.0000	3.2879	3.2879	6.0000e-005	6.0000e-005	3.3075
Total		**0.3584**	**3.2582**	**2.7351**	**0.0196**		**0.2476**	**0.2476**		**0.2476**	**0.2476**	**0.0000**	**3,547.1839**	**3,547.1839**	**0.0680**	**0.0650**	**3,568.2630**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	90633.8	4.9000e-004	4.1800e-003	1.7800e-003	3.0000e-005		3.4000e-004	3.4000e-004		3.4000e-004	3.4000e-004	0.0000	4.8366	4.8366	9.0000e-005	9.0000e-005	4.8653
General Light Industry	1.4634e+006	7.8900e-003	0.0717	0.0603	4.3000e-004		5.4500e-003	5.4500e-003		5.4500e-003	5.4500e-003	0.0000	78.0925	78.0925	1.5000e-003	1.4300e-003	78.5566
General Office Building	862030	4.6500e-003	0.0423	0.0355	2.5000e-004		3.2100e-003	3.2100e-003		3.2100e-003	3.2100e-003	0.0000	46.0012	46.0012	8.8000e-004	8.4000e-004	46.2746
Hospital	5.21397e+007	0.2812	2.5559	2.1469	0.0153		0.1943	0.1943		0.1943	0.1943	0.0000	2,782.3752	2,782.3752	0.0533	0.0510	2,798.9095
Hotel	469643	2.5300e-003	0.0230	0.0193	1.4000e-004		1.7500e-003	1.7500e-003		1.7500e-003	1.7500e-003	0.0000	25.0619	25.0619	4.8000e-004	4.6000e-004	25.2109
Medical Office Building	2.31752e+006	0.0125	0.1136	0.0954	6.8000e-004		8.6300e-003	8.6300e-003		8.6300e-003	8.6300e-003	0.0000	123.6718	123.6718	2.3700e-003	2.2700e-003	124.4067
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	9.06713e+006	0.0489	0.4445	0.3734	2.6700e-003		0.0338	0.0338		0.0338	0.0338	0.0000	483.8567	483.8567	9.2700e-003	8.8700e-003	486.7321
Unrefrigerated Warehouse-No Rail	61613.8	3.3000e-004	3.0200e-003	2.5400e-003	2.0000e-005		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004	0.0000	3.2879	3.2879	6.0000e-005	6.0000e-005	3.3075
Total		**0.3584**	**3.2582**	**2.7351**	**0.0196**		**0.2476**	**0.2476**		**0.2476**	**0.2476**	**0.0000**	**3,547.1839**	**3,547.1839**	**0.0680**	**0.0650**	**3,568.2630**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	22365.5	7.1261	2.9000e-004	6.0000e-005	7.1516
General Light Industry	926819	295.3044	0.0122	2.5200e-003	296.3608
General Office Building	1.05606e+006	336.4820	0.0139	2.8700e-003	337.6858
Hospital	1.81124e+007	5,770.9960	0.2383	0.0493	5,791.6419
Hotel	164602	52.4458	2.1700e-003	4.5000e-004	52.6334
Medical Office Building	2.83915e+006	904.6144	0.0374	7.7300e-003	907.8506
Parking Lot	1.22566e+006	390.5228	0.0161	3.3400e-003	391.9199
Research & Development	5.74252e+006	1,829.6891	0.0755	0.0156	1,836.2349
Unrefrigerated Warehouse-No Rail	270745	86.2652	3.5600e-003	7.4000e-004	86.5738
Total		**9,673.4457**	**0.3994**	**0.0826**	**9,708.0527**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	22232.8	7.0838	2.9000e-004	6.0000e-005	7.1092
General Light Industry	926686	295.2620	0.0122	2.5200e-003	296.3184
General Office Building	1.05592e+006	336.4397	0.0139	2.8700e-003	337.6433
Hospital	1.81123e+007	5,770.9537	0.2383	0.0493	5,791.5995
Hotel	164469	52.4034	2.1600e-003	4.5000e-004	52.5909
Medical Office Building	2.83902e+006	904.5720	0.0373	7.7300e-003	907.8082
Parking Lot	1.22553e+006	390.4805	0.0161	3.3400e-003	391.8775
Research & Development	5.74238e+006	1,829.6468	0.0755	0.0156	1,836.1924
Unrefrigerated Warehouse-No	270612	86.2229	3.5600e-003	7.4000e-004	86.5313
Total		**9,673.0649**	**0.3993**	**0.0826**	**9,707.6706**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	6.6411	2.4400e-003	0.1014	7.0000e-005		3.5200e-003	3.5200e-003		3.5200e-003	3.5200e-003	0.4015	1.5821	1.9837	2.1100e-003	3.0000e-005	2.0442
Unmitigated	6.6411	2.4400e-003	0.1014	7.0000e-005		3.5200e-003	3.5200e-003		3.5200e-003	3.5200e-003	0.4015	1.5821	1.9837	2.1100e-003	3.0000e-005	2.0442

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.7605					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.8747					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	2.1700e-003	1.5400e-003	0.0189	7.0000e-005		3.1000e-003	3.1000e-003		3.1000e-003	3.1000e-003	0.4015	1.4408	1.8424	1.9000e-003	3.0000e-005	1.8979
Landscaping	3.7600e-003	9.0000e-004	0.0825	0.0000		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004	0.0000	0.1413	0.1413	2.0000e-004	0.0000	0.1464
Total	**6.6411**	**2.4400e-003**	**0.1014**	**7.0000e-005**		**3.5200e-003**	**3.5200e-003**		**3.5200e-003**	**3.5200e-003**	**0.4015**	**1.5821**	**1.9837**	**2.1000e-003**	**3.0000e-005**	**2.0442**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.7605					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.8747					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	2.1700e-003	1.5400e-003	0.0189	7.0000e-005		3.1000e-003	3.1000e-003		3.1000e-003	3.1000e-003	0.4015	1.4408	1.8424	1.9000e-003	3.0000e-005	1.8979
Landscaping	3.7600e-003	9.0000e-004	0.0825	0.0000		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004	0.0000	0.1413	0.1413	2.0000e-004	0.0000	0.1464
Total	**6.6411**	**2.4400e-003**	**0.1014**	**7.0000e-005**		**3.5200e-003**	**3.5200e-003**		**3.5200e-003**	**3.5200e-003**	**0.4015**	**1.5821**	**1.9837**	**2.1000e-003**	**3.0000e-005**	**2.0442**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	736.5162	0.2114	0.1216	778.0327
Unmitigated	736.5162	0.2114	0.1216	778.0327

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
General Light Industry	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
General Office Building	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Hospital	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Hotel	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Medical Office Building	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Research & Development	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Unrefrigerated Warehouse-No Rail	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Total		**736.5162**	**0.2114**	**0.1216**	**778.0327**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
General Light Industry	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
General Office Building	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Hospital	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Hotel	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Medical Office Building	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Research & Development	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Unrefrigerated Warehouse-No	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Total		**736.5162**	**0.2114**	**0.1216**	**778.0327**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	2,219.7062	131.1809	0.0000	5,499.2281
Unmitigated	2,219.7062	131.1809	0.0000	5,499.2281

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	1215	246.6340	14.5757	0.0000	611.0254
General Light Industry	1215	246.6340	14.5757	0.0000	611.0254
General Office Building	1215	246.6340	14.5757	0.0000	611.0254
Hospital	1215	246.6340	14.5757	0.0000	611.0254
Hotel	1215	246.6340	14.5757	0.0000	611.0254
Medical Office Building	1215	246.6340	14.5757	0.0000	611.0254
Parking Lot	1215	246.6340	14.5757	0.0000	611.0254
Research & Development	1215	246.6340	14.5757	0.0000	611.0254
Unrefrigerated Warehouse-No Rail	1215	246.6340	14.5757	0.0000	611.0254
Total		**2,219.7062**	**131.1809**	**0.0000**	**5,499.2282**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	1215	246.6340	14.5757	0.0000	611.0254
General Light Industry	1215	246.6340	14.5757	0.0000	611.0254
General Office Building	1215	246.6340	14.5757	0.0000	611.0254
Hospital	1215	246.6340	14.5757	0.0000	611.0254
Hotel	1215	246.6340	14.5757	0.0000	611.0254
Medical Office Building	1215	246.6340	14.5757	0.0000	611.0254
Parking Lot	1215	246.6340	14.5757	0.0000	611.0254
Research & Development	1215	246.6340	14.5757	0.0000	611.0254
Unrefrigerated Warehouse-No Rail	1215	246.6340	14.5757	0.0000	611.0254
Total		**2,219.7062**	**131.1809**	**0.0000**	**5,499.2282**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Existing Operation -2025

Los Angeles-South Coast, Summary Report

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	69.30	1000sqft	16.17	69,295.00	0
Hospital	730.04	1000sqft	16.17	730,044.00	0
Medical Office Building	186.30	1000sqft	16.17	186,296.00	0
Research & Development	457.94	1000sqft	16.17	457,936.00	0
General Light Industry	73.91	1000sqft	1.70	73,909.00	0
Unrefrigerated Warehouse-No Rail	59.24	1000sqft	1.36	59,244.00	0
Parking Lot	31.97	Acre	31.97	1,392,800.00	0
Hotel	13.00	Room	16.17	18,168.00	0
Apartments Low Rise	6.00	Dwelling Unit	0.14	5,958.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments

Only CalEEMod defaults were used.

Project Characteristics - .

Land Use - Based on information provided by the Applicant. Number of rooms and DUs based on actual square footage and CalEEMod area per room/DU rate.

Construction Phase - Operation run only

Vehicle Trips - Trip generation and trip length based on information provided by Fehr & Peers. For purposes of this analysis, all trips are assigned to the Hospital land use.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - Assumes natural gas fireplaces for all units.

Energy Use - Assumes existing buildings built to meet the 2005 Building Energy Efficiency Standards.

Water And Wastewater - Based on water demand and wasteater information provided by KPFF. Assumes no septic tanks or facultive lagoons. Indoor and outdoor water proportioned evenly for purposes of this analysis.

Solid Waste - Based on solid waste generation as calculated in Chapter 5.16, Utilities and Service Systems.

Energy Mitigation -

Fleet Mix - Based on CalTrans vehicle mix for segment of Interstate 210 west of Interstate 605.

2.0 Peak Daily Emissions

Peak Daily Operational Emissions

Peak Daily Operational Emissions

		Unmitigated						Mitigated					
		ROG	NOX	CO	SO2	PM10	PM2.5	ROG	NOX	CO	SO2	PM10	PM2.5
	Operational Activity	lb/day											
On-Site	Area	36.5607 S	0.1307 S	2.1727 S	5.4700e-003 S	0.2513 S	0.2513 S	36.5607 S	0.1307 S	2.1727 S	5.4700e-003 S	0.2513 S	0.2513 S
On-Site	Energy	1.9640 S	17.8529 S	14.9869 S	0.1071 S	1.3569 S	1.3569 S	1.9640 S	17.8529 S	14.9869 S	0.1071 S	1.3569 S	1.3569 S
Off-Site	Mobile	21.2199 S	93.4360 W	334.3554 S	1.3502 S	131.4071 W	35.5901 W	21.2199 S	93.4360 W	334.3554 S	1.3502 S	131.4071 W	35.5901 W
	Peak Daily Total	59.7446 S	111.4196 W	351.5150 S	1.4628 S	133.0153 W	37.1983 W	59.7446 S	111.4196 W	351.5150 S	1.4628 S	133.0153 W	37.1983 W
	Air District Threshold												
	Exceed Significance?												

3.0 Annual GHG Emissions

Annual GHG

Annual GHG

		Unmitigated				Mitigated			
		CO2	CH4	N2O	CO2e	CO2	CH4	N2O	CO2e
GHG Activity	Year	MT/yr							
Operational	2025	38,053.5133	132.7788	0.2693	41,453.2256	38,053.1326	132.7788	0.2693	41,452.8417
	Total								
	Significance Threshold								
	Exceed Significance?								

Existing Operation -2025

Los Angeles-South Coast County, Mitigation Report

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting:

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value 3
No	Land Use	Increase Density	0.00			
No	Land Use	Increase Diversity	0.12	0.35		
No	Land Use	Improve Walkability Design	0.00			
No	Land Use	Improve Destination Accessibility	0.00			
No	Land Use	Increase Transit Accessibility	0.25			

No	Land Use	Integrate Below Market Rate Housing	0.00			
	Land Use	Land Use SubTotal	0.00			
No	Neighborhood Enhancements	Improve Pedestrian Network				
No	Neighborhood Enhancements	Provide Traffic Calming Measures				
No	Neighborhood Enhancements	Implement NEV Network	0.00			
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00			
No	Parking Policy Pricing	Limit Parking Supply	0.00			
No	Parking Policy Pricing	Unbundle Parking Costs	0.00			
No	Parking Policy Pricing	On-street Market Pricing	0.00			
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00			
No	Transit Improvements	Provide BRT System	0.00			
No	Transit Improvements	Expand Transit Network	0.00			
No	Transit Improvements	Increase Transit Frequency	0.00			
	Transit Improvements	Transit Improvements Subtotal	0.00			
		Land Use and Site Enhancement Subtotal	0.00			
No	Commute	Implement Trip Reduction Program				
No	Commute	Transit Subsidy				
No	Commute	Implement Employee Parking "Cash Out"				
No	Commute	Workplace Parking Charge				
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00			
No	Commute	Market Commute Trip Reduction Option	0.00			
No	Commute	Employee Vanpool/Shuttle	0.00		2.00	
No	Commute	Provide Ride Sharing Program				
	Commute	Commute Subtotal	0.00			
No	School Trip	Implement School Bus Program	0.00			
		Total VMT Reduction	0.00			

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
No	No Hearth	
No	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	50.00
No	Use Low VOC Paint (Residential Exterior)	50.00
No	Use Low VOC Paint (Non-residential Interior)	100.00
No	Use Low VOC Paint (Non-residential Exterior)	100.00
No	Use Low VOC Paint (Parking)	100.00
No	% Electric Lawnmower	
No	% Electric Leafblower	
No	% Electric Chainsaw	

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Exceed Title 24		
No	Install High Efficiency Lighting		
Yes	On-site Renewable	1,195.00	

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Apply Water Conservation on Strategy		
No	Use Reclaimed Water		
No	Use Grey Water		
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction		
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape		

Solid Waste Mitigation

Mitigation Measures	Input Value
Institute Recycling and Composting Services	
Percent Reduction in Waste Disposed	

CalEEMod Output: Operation – Existing (Phase 3)

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Existing Operation -2030

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	69.30	1000sqft	16.17	69,295.00	0
Hospital	730.04	1000sqft	16.17	730,044.00	0
Medical Office Building	186.30	1000sqft	16.17	186,296.00	0
Research & Development	457.94	1000sqft	16.17	457,936.00	0
General Light Industry	73.91	1000sqft	1.70	73,909.00	0
Unrefrigerated Warehouse-No Rail	59.24	1000sqft	1.36	59,244.00	0
Parking Lot	31.97	Acre	31.97	1,392,800.00	0
Hotel	13.00	Room	16.17	18,168.00	0
Apartments Low Rise	6.00	Dwelling Unit	0.14	5,958.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2030
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - .

Land Use - Based on information provided by the Applicant. Number of rooms and DUs based on actual square footage and CalEEMod area per room/DU rate.

Construction Phase - Operation run only

Vehicle Trips - Trip generation and trip length based on information provided by Fehr & Peers. For purposes of this analysis, all trips are assigned to the Hospital land use.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - Assumes natural gas fireplaces for all units.

Energy Use - Assumes existing buildings built to meet the 2005 Building Energy Efficiency Standards.

Water And Wastewater - Based on water demand and wasteater information provided by KPFF. Assumes no septic tanks or facultive lagoons. Indoor and outdoor water proportioned evenly for purposes of this analysis.

Solid Waste - Based on solid waste generation as calculated in Chapter 5.16, Utilities and Service Systems.

Energy Mitigation -

Fleet Mix - Based on CalTrans vehicle mix for segment of Interstate 210 west of Interstate 605.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	200.00	1.00
tblFireplaces	NumberGas	5.10	6.00
tblFireplaces	NumberNoFireplace	0.60	0.00
tblFireplaces	NumberWood	0.30	0.00
tblFleetMix	FleetMixLandUseSubType	General Office Building	Apartments Low Rise
tblFleetMix	FleetMixLandUseSubType	Hospital	General Light Industry
tblFleetMix	FleetMixLandUseSubType	Medical Office Building	General Office Building
tblFleetMix	FleetMixLandUseSubType	Research & Development	Hospital
tblFleetMix	FleetMixLandUseSubType	General Light Industry	Hotel
tblFleetMix	FleetMixLandUseSubType	Unrefrigerated Warehouse-No Rail	Medical Office Building
tblFleetMix	FleetMixLandUseSubType	Hotel	Research & Development

tblFleetMix	FleetMixLandUseSubType	Apartments Low Rise	Unrefrigerated Warehouse-No Rail
tblFleetMix	HHD	0.03	0.04
tblFleetMix	LDA	0.54	0.62
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT2	0.21	0.24
tblFleetMix	LHD1	0.01	3.3320e-003
tblFleetMix	LHD2	6.3670e-003	1.5450e-003
tblFleetMix	MCY	5.2970e-003	6.0890e-003
tblFleetMix	MDV	0.12	0.03
tblFleetMix	MH	8.1200e-004	1.9700e-004
tblFleetMix	MHD	0.02	5.1970e-003
tblFleetMix	OBUS	2.6370e-003	6.4000e-004
tblFleetMix	SBUS	7.1900e-004	1.7400e-004
tblFleetMix	UBUS	1.7340e-003	4.2100e-004
tblLandUse	BuildingSpaceSquareFeet	69,300.00	69,295.00
tblLandUse	BuildingSpaceSquareFeet	730,040.00	730,044.00
tblLandUse	BuildingSpaceSquareFeet	186,300.00	186,296.00
tblLandUse	BuildingSpaceSquareFeet	457,940.00	457,936.00
tblLandUse	BuildingSpaceSquareFeet	73,910.00	73,909.00
tblLandUse	BuildingSpaceSquareFeet	59,240.00	59,244.00
tblLandUse	BuildingSpaceSquareFeet	1,392,613.20	1,392,800.00
tblLandUse	BuildingSpaceSquareFeet	18,876.00	18,168.00
tblLandUse	BuildingSpaceSquareFeet	6,000.00	5,958.00
tblLandUse	LandUseSquareFeet	69,300.00	69,295.00
tblLandUse	LandUseSquareFeet	730,040.00	730,044.00
tblLandUse	LandUseSquareFeet	186,300.00	186,296.00
tblLandUse	LandUseSquareFeet	457,940.00	457,936.00
tblLandUse	LandUseSquareFeet	73,910.00	73,909.00

tblLandUse	LandUseSquareFeet	59,240.00	59,244.00
tblLandUse	LandUseSquareFeet	1,392,613.20	1,392,800.00
tblLandUse	LandUseSquareFeet	18,876.00	18,168.00
tblLandUse	LandUseSquareFeet	6,000.00	5,958.00
tblLandUse	LotAcreage	1.59	16.17
tblLandUse	LotAcreage	16.76	16.17
tblLandUse	LotAcreage	4.28	16.17
tblLandUse	LotAcreage	10.51	16.17
tblLandUse	LotAcreage	0.43	16.17
tblLandUse	LotAcreage	0.38	0.14
tblLandUse	Population	17.00	0.00
tblProjectCharacteristics	OperationalYear	2018	2030
tblSolidWaste	SolidWasteGenerationRate	2.76	1,215.00
tblSolidWaste	SolidWasteGenerationRate	91.65	1,215.00
tblSolidWaste	SolidWasteGenerationRate	64.45	1,215.00
tblSolidWaste	SolidWasteGenerationRate	7,884.43	1,215.00
tblSolidWaste	SolidWasteGenerationRate	7.12	1,215.00
tblSolidWaste	SolidWasteGenerationRate	2,012.04	1,215.00
tblSolidWaste	SolidWasteGenerationRate	0.00	1,215.00
tblSolidWaste	SolidWasteGenerationRate	34.80	1,215.00
tblSolidWaste	SolidWasteGenerationRate	55.69	1,215.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	16.10	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	14.30
tblVehicleTrips	CW_TTP	64.90	100.00
tblVehicleTrips	DV_TP	25.00	0.00

tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PR_TP	73.00	100.00
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	10.18	16.30
tblVehicleTrips	ST_TR	8.19	0.00
tblVehicleTrips	ST_TR	8.96	0.00
tblVehicleTrips	ST_TR	1.90	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	8.91	16.30
tblVehicleTrips	SU_TR	5.95	0.00
tblVehicleTrips	SU_TR	1.55	0.00
tblVehicleTrips	SU_TR	1.11	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	13.22	16.30
tblVehicleTrips	WD_TR	8.17	0.00
tblVehicleTrips	WD_TR	36.13	0.00
tblVehicleTrips	WD_TR	8.11	0.00
tblVehicleTrips	WD_TR	1.68	0.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00

tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	390,924.15	18,804,435.00
tblWater	IndoorWaterUseRate	17,091,687.50	18,804,435.00
tblWater	IndoorWaterUseRate	12,316,948.74	18,804,435.00
tblWater	IndoorWaterUseRate	91,605,811.64	18,804,435.00
tblWater	IndoorWaterUseRate	329,768.01	18,804,435.00
tblWater	IndoorWaterUseRate	23,377,024.15	18,804,435.00
tblWater	IndoorWaterUseRate	225,166,326.18	18,804,435.00
tblWater	IndoorWaterUseRate	13,699,250.00	18,804,435.00
tblWater	OutdoorWaterUseRate	246,452.18	2,089,397.00
tblWater	OutdoorWaterUseRate	0.00	2,089,397.00
tblWater	OutdoorWaterUseRate	7,549,097.61	2,089,397.00
tblWater	OutdoorWaterUseRate	17,448,726.03	2,089,397.00
tblWater	OutdoorWaterUseRate	36,640.89	2,089,397.00
tblWater	OutdoorWaterUseRate	4,452,766.50	2,089,397.00

tblWater	OutdoorWaterUseRate	0.00	2,089,397.00
tblWater	OutdoorWaterUseRate	0.00	2,089,397.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

2.0 Emissions Summary

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	36.5605	0.1307	2.1714	5.4700e-003		0.2513	0.2513		0.2513	0.2513	35.4098	128.3051	163.7149	0.1697	2.3300e-003	168.6524
Energy	1.9640	17.8529	14.9869	0.1071		1.3569	1.3569		1.3569	1.3569		21,425.2106	21,425.2106	0.4107	0.3928	21,552.5299
Mobile	17.5865	80.3097	269.1312	1.1948	130.4266	0.7330	131.1596	34.6873	0.6786	35.3660		121,938.1717	121,938.1717	4.7800		122,057.6712
Total	**56.1110**	**98.2933**	**286.2896**	**1.3074**	**130.4266**	**2.3412**	**132.7678**	**34.6873**	**2.2868**	**36.9742**	**35.4098**	**143,491.6874**	**143,527.0972**	**5.3604**	**0.3951**	**143,778.8535**

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	36.5605	0.1307	2.1714	5.4700e-003		0.2513	0.2513		0.2513	0.2513	35.4098	128.3051	163.7149	0.1697	2.3300e-003	168.6524
Energy	1.9640	17.8529	14.9869	0.1071		1.3569	1.3569		1.3569	1.3569		21,425.2106	21,425.2106	0.4107	0.3928	21,552.5299
Mobile	17.5865	80.3097	269.1312	1.1948	130.4266	0.7330	131.1596	34.6873	0.6786	35.3660		121,938.1717	121,938.1717	4.7800		122,057.6712
Total	**56.1110**	**98.2933**	**286.2896**	**1.3074**	**130.4266**	**2.3412**	**132.7678**	**34.6873**	**2.2868**	**36.9742**	**35.4098**	**143,491.6874**	**143,527.0972**	**5.3604**	**0.3951**	**143,778.8535**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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**

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	17.5865	80.3097	269.1312	1.1948	130.4266	0.7330	131.1596	34.6873	0.6786	35.3660		121,938.1717	121,938.1717	4.7800		122,057.6712
Unmitigated	17.5865	80.3097	269.1312	1.1948	130.4266	0.7330	131.1596	34.6873	0.6786	35.3660		121,938.1717	121,938.1717	4.7800		122,057.6712

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
General Light Industry	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Hospital	11,899.65	11,899.65	11899.65	61,940,069	61,940,069
Hotel	0.00	0.00	0.00		
Medical Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Research & Development	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	11,899.65	11,899.65	11,899.65	61,940,069	61,940,069

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
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Hospital	14.30	0.00	0.00	100.00	0.00	0.00	100	0	0
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Research & Development	16.60	8.40	6.90	33.00	48.00	19.00	82	15	3
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812
General Light Industry	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812
General Office Building	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812
Hospital	0.623085	0.050643	0.242183	0.026012	0.003332	0.001545	0.005197	0.040482	0.000640	0.000421	0.006089	0.000174	0.000197
Hotel	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812
Medical Office Building	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812
Parking Lot	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812
Research & Development	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812
Unrefrigerated Warehouse-No Rail	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

Kilowatt Hours of Renewable Electricity Generated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.9640	17.8529	14.9869	0.1071		1.3569	1.3569		1.3569	1.3569		21,425.2106	21,425.2106	0.4107	0.3928	21,552.5299
NaturalGas Unmitigated	1.9640	17.8529	14.9869	0.1071		1.3569	1.3569		1.3569	1.3569		21,425.2106	21,425.2106	0.4107	0.3928	21,552.5299

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	248.312	2.6800e-003	0.0229	9.7400e-003	1.5000e-004		1.8500e-003	1.8500e-003		1.8500e-003	1.8500e-003		29.2131	29.2131	5.6000e-004	5.4000e-004	29.3867
General Light Industry	4009.31	0.0432	0.3931	0.3302	2.3600e-003		0.0299	0.0299		0.0299	0.0299		471.6836	471.6836	9.0400e-003	8.6500e-003	474.4865
General Office Building	2361.73	0.0255	0.2315	0.1945	1.3900e-003		0.0176	0.0176		0.0176	0.0176		277.8501	277.8501	5.3300e-003	5.0900e-003	279.5012
Hospital	142849	1.5405	14.0048	11.7640	0.0840		1.0644	1.0644		1.0644	1.0644		16,805.7188	16,805.7188	0.3221	0.3081	16,905.5868
Hotel	1286.69	0.0139	0.1262	0.1060	7.6000e-004		9.5900e-003	9.5900e-003		9.5900e-003	9.5900e-003		151.3756	151.3756	2.9000e-003	2.7800e-003	152.2752
Medical Office Building	6349.38	0.0685	0.6225	0.5229	3.7300e-003		0.0473	0.0473		0.0473	0.0473		746.9854	746.9854	0.0143	0.0137	751.4244
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	24841.5	0.2679	2.4354	2.0458	0.0146		0.1851	0.1851		0.1851	0.1851		2,922.5247	2,922.5247	0.0560	0.0536	2,939.8918
Unrefrigerated Warehouse-No Rail	168.805	1.8200e-003	0.0166	0.0139	1.0000e-004		1.2600e-003	1.2600e-003		1.2600e-003	1.2600e-003		19.8594	19.8594	3.8000e-004	3.6000e-004	19.9774
Total		**1.9640**	**17.8529**	**14.9869**	**0.1071**		**1.3569**	**1.3569**		**1.3569**	**1.3569**		**21,425.2106**	**21,425.2106**	**0.4107**	**0.3928**	**21,552.5299**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	0.248312	2.6800e-003	0.0229	9.7400e-003	1.5000e-004		1.8500e-003	1.8500e-003		1.8500e-003	1.8500e-003		29.2131	29.2131	5.6000e-004	5.4000e-004	29.3867
General Light Industry	4.00931	0.0432	0.3931	0.3302	2.3600e-003		0.0299	0.0299		0.0299	0.0299		471.6836	471.6836	9.0400e-003	8.6500e-003	474.4865
General Office Building	2.36173	0.0255	0.2315	0.1945	1.3900e-003		0.0176	0.0176		0.0176	0.0176		277.8501	277.8501	5.3300e-003	5.0900e-003	279.5012
Hospital	142.849	1.5405	14.0048	11.7640	0.0840		1.0644	1.0644		1.0644	1.0644		16,805.7188	16,805.7188	0.3221	0.3081	16,905.5868
Hotel	1.28669	0.0139	0.1262	0.1060	7.6000e-004		9.5900e-003	9.5900e-003		9.5900e-003	9.5900e-003		151.3756	151.3756	2.9000e-003	2.7800e-003	152.2752
Medical Office Building	6.34938	0.0685	0.6225	0.5229	3.7300e-003		0.0473	0.0473		0.0473	0.0473		746.9854	746.9854	0.0143	0.0137	751.4244
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	24.8415	0.2679	2.4354	2.0458	0.0146		0.1851	0.1851		0.1851	0.1851		2,922.5247	2,922.5247	0.0560	0.0536	2,939.8918
Unrefrigerated Warehouse-No Rail	0.168805	1.8200e-003	0.0166	0.0139	1.0000e-004		1.2600e-003	1.2600e-003		1.2600e-003	1.2600e-003		19.8594	19.8594	3.8000e-004	3.6000e-004	19.9774
Total		**1.9640**	**17.8529**	**14.9869**	**0.1071**		**1.3569**	**1.3569**		**1.3569**	**1.3569**		**21,425.2106**	**21,425.2106**	**0.4107**	**0.3928**	**21,552.5299**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	36.5605	0.1307	2.1714	5.4700e-003		0.2513	0.2513		0.2513	0.2513	35.4098	128.3051	163.7149	0.1697	2.3300e-003	168.6524
Unmitigated	36.5605	0.1307	2.1714	5.4700e-003		0.2513	0.2513		0.2513	0.2513	35.4098	128.3051	163.7149	0.1697	2.3300e-003	168.6524

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	4.1669					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	32.1902					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1736	0.1235	1.5130	5.4300e-003		0.2480	0.2480		0.2480	0.2480	35.4098	127.0588	162.4687	0.1680	2.3300e-003	167.3620
Landscaping	0.0298	7.1700e-003	0.6584	4.0000e-005		3.3300e-003	3.3300e-003		3.3300e-003	3.3300e-003		1.2462	1.2462	1.7600e-003		1.2903
Total	**36.5605**	**0.1307**	**2.1714**	**5.4700e-003**		**0.2513**	**0.2513**		**0.2513**	**0.2513**	**35.4098**	**128.3051**	**163.7149**	**0.1697**	**2.3300e-003**	**168.6524**

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	4.1669					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	32.1902					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1736	0.1235	1.5130	5.4300e-003		0.2480	0.2480		0.2480	0.2480	35.4098	127.0588	162.4687	0.1680	2.3300e-003	167.3620
Landscaping	0.0298	7.1700e-003	0.6584	4.0000e-005		3.3300e-003	3.3300e-003		3.3300e-003	3.3300e-003		1.2462	1.2462	1.7600e-003		1.2903
Total	**36.5605**	**0.1307**	**2.1714**	**5.4700e-003**		**0.2513**	**0.2513**		**0.2513**	**0.2513**	**35.4098**	**128.3051**	**163.7149**	**0.1697**	**2.3300e-003**	**168.6524**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Existing Operation -2030

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	69.30	1000sqft	16.17	69,295.00	0
Hospital	730.04	1000sqft	16.17	730,044.00	0
Medical Office Building	186.30	1000sqft	16.17	186,296.00	0
Research & Development	457.94	1000sqft	16.17	457,936.00	0
General Light Industry	73.91	1000sqft	1.70	73,909.00	0
Unrefrigerated Warehouse-No Rail	59.24	1000sqft	1.36	59,244.00	0
Parking Lot	31.97	Acre	31.97	1,392,800.00	0
Hotel	13.00	Room	16.17	18,168.00	0
Apartments Low Rise	6.00	Dwelling Unit	0.14	5,958.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2030
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - .

Land Use - Based on information provided by the Applicant. Number of rooms and DUs based on actual square footage and CalEEMod area per room/DU rate.

Construction Phase - Operation run only

Vehicle Trips - Trip generation and trip length based on information provided by Fehr & Peers. For purposes of this analysis, all trips are assigned to the Hospital land use.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - Assumes natural gas fireplaces for all units.

Energy Use - Assumes existing buildings built to meet the 2005 Building Energy Efficiency Standards.

Water And Wastewater - Based on water demand and wasteater information provided by KPFF. Assumes no septic tanks or facultive lagoons. Indoor and outdoor water proportioned evenly for purposes of this analysis.

Solid Waste - Based on solid waste generation as calculated in Chapter 5.16, Utilities and Service Systems.

Energy Mitigation -

Fleet Mix - Based on CalTrans vehicle mix for segment of Interstate 210 west of Interstate 605.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	200.00	1.00
tblFireplaces	NumberGas	5.10	6.00
tblFireplaces	NumberNoFireplace	0.60	0.00
tblFireplaces	NumberWood	0.30	0.00
tblFleetMix	FleetMixLandUseSubType	General Office Building	Apartments Low Rise
tblFleetMix	FleetMixLandUseSubType	Hospital	General Light Industry
tblFleetMix	FleetMixLandUseSubType	Medical Office Building	General Office Building
tblFleetMix	FleetMixLandUseSubType	Research & Development	Hospital
tblFleetMix	FleetMixLandUseSubType	General Light Industry	Hotel
tblFleetMix	FleetMixLandUseSubType	Unrefrigerated Warehouse-No Rail	Medical Office Building
tblFleetMix	FleetMixLandUseSubType	Hotel	Research & Development

tblFleetMix	FleetMixLandUseSubType	Apartments Low Rise	Unrefrigerated Warehouse-No Rail
tblFleetMix	HHD	0.03	0.04
tblFleetMix	LDA	0.54	0.62
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT2	0.21	0.24
tblFleetMix	LHD1	0.01	3.3320e-003
tblFleetMix	LHD2	6.3670e-003	1.5450e-003
tblFleetMix	MCY	5.2970e-003	6.0890e-003
tblFleetMix	MDV	0.12	0.03
tblFleetMix	MH	8.1200e-004	1.9700e-004
tblFleetMix	MHD	0.02	5.1970e-003
tblFleetMix	OBUS	2.6370e-003	6.4000e-004
tblFleetMix	SBUS	7.1900e-004	1.7400e-004
tblFleetMix	UBUS	1.7340e-003	4.2100e-004
tblLandUse	BuildingSpaceSquareFeet	69,300.00	69,295.00
tblLandUse	BuildingSpaceSquareFeet	730,040.00	730,044.00
tblLandUse	BuildingSpaceSquareFeet	186,300.00	186,296.00
tblLandUse	BuildingSpaceSquareFeet	457,940.00	457,936.00
tblLandUse	BuildingSpaceSquareFeet	73,910.00	73,909.00
tblLandUse	BuildingSpaceSquareFeet	59,240.00	59,244.00
tblLandUse	BuildingSpaceSquareFeet	1,392,613.20	1,392,800.00
tblLandUse	BuildingSpaceSquareFeet	18,876.00	18,168.00
tblLandUse	BuildingSpaceSquareFeet	6,000.00	5,958.00
tblLandUse	LandUseSquareFeet	69,300.00	69,295.00
tblLandUse	LandUseSquareFeet	730,040.00	730,044.00
tblLandUse	LandUseSquareFeet	186,300.00	186,296.00
tblLandUse	LandUseSquareFeet	457,940.00	457,936.00
tblLandUse	LandUseSquareFeet	73,910.00	73,909.00

tblLandUse	LandUseSquareFeet	59,240.00	59,244.00
tblLandUse	LandUseSquareFeet	1,392,613.20	1,392,800.00
tblLandUse	LandUseSquareFeet	18,876.00	18,168.00
tblLandUse	LandUseSquareFeet	6,000.00	5,958.00
tblLandUse	LotAcreage	1.59	16.17
tblLandUse	LotAcreage	16.76	16.17
tblLandUse	LotAcreage	4.28	16.17
tblLandUse	LotAcreage	10.51	16.17
tblLandUse	LotAcreage	0.43	16.17
tblLandUse	LotAcreage	0.38	0.14
tblLandUse	Population	17.00	0.00
tblProjectCharacteristics	OperationalYear	2018	2030
tblSolidWaste	SolidWasteGenerationRate	2.76	1,215.00
tblSolidWaste	SolidWasteGenerationRate	91.65	1,215.00
tblSolidWaste	SolidWasteGenerationRate	64.45	1,215.00
tblSolidWaste	SolidWasteGenerationRate	7,884.43	1,215.00
tblSolidWaste	SolidWasteGenerationRate	7.12	1,215.00
tblSolidWaste	SolidWasteGenerationRate	2,012.04	1,215.00
tblSolidWaste	SolidWasteGenerationRate	0.00	1,215.00
tblSolidWaste	SolidWasteGenerationRate	34.80	1,215.00
tblSolidWaste	SolidWasteGenerationRate	55.69	1,215.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	16.10	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	14.30
tblVehicleTrips	CW_TTP	64.90	100.00
tblVehicleTrips	DV_TP	25.00	0.00

tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PR_TP	73.00	100.00
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	10.18	16.30
tblVehicleTrips	ST_TR	8.19	0.00
tblVehicleTrips	ST_TR	8.96	0.00
tblVehicleTrips	ST_TR	1.90	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	8.91	16.30
tblVehicleTrips	SU_TR	5.95	0.00
tblVehicleTrips	SU_TR	1.55	0.00
tblVehicleTrips	SU_TR	1.11	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	13.22	16.30
tblVehicleTrips	WD_TR	8.17	0.00
tblVehicleTrips	WD_TR	36.13	0.00
tblVehicleTrips	WD_TR	8.11	0.00
tblVehicleTrips	WD_TR	1.68	0.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00

tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	390,924.15	18,804,435.00
tblWater	IndoorWaterUseRate	17,091,687.50	18,804,435.00
tblWater	IndoorWaterUseRate	12,316,948.74	18,804,435.00
tblWater	IndoorWaterUseRate	91,605,811.64	18,804,435.00
tblWater	IndoorWaterUseRate	329,768.01	18,804,435.00
tblWater	IndoorWaterUseRate	23,377,024.15	18,804,435.00
tblWater	IndoorWaterUseRate	225,166,326.18	18,804,435.00
tblWater	IndoorWaterUseRate	13,699,250.00	18,804,435.00
tblWater	OutdoorWaterUseRate	246,452.18	2,089,397.00
tblWater	OutdoorWaterUseRate	0.00	2,089,397.00
tblWater	OutdoorWaterUseRate	7,549,097.61	2,089,397.00
tblWater	OutdoorWaterUseRate	17,448,726.03	2,089,397.00
tblWater	OutdoorWaterUseRate	36,640.89	2,089,397.00
tblWater	OutdoorWaterUseRate	4,452,766.50	2,089,397.00

tblWater	OutdoorWaterUseRate	0.00	2,089,397.00
tblWater	OutdoorWaterUseRate	0.00	2,089,397.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

2.0 Emissions Summary

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	36.5605	0.1307	2.1714	5.4700e-003		0.2513	0.2513		0.2513	0.2513	35.4098	128.3051	163.7149	0.1697	2.3300e-003	168.6524
Energy	1.9640	17.8529	14.9869	0.1071		1.3569	1.3569		1.3569	1.3569		21,425.2106	21,425.2106	0.4107	0.3928	21,552.5299
Mobile	17.1332	81.9959	252.0979	1.1361	130.4266	0.7347	131.1613	34.6873	0.6803	35.3676		116,034.3668	116,034.3668	4.7763		116,153.7747
Total	**55.6577**	**99.9794**	**269.2563**	**1.2487**	**130.4266**	**2.3429**	**132.7695**	**34.6873**	**2.2885**	**36.9758**	**35.4098**	**137,587.8824**	**137,623.2923**	**5.3567**	**0.3951**	**137,874.9570**

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	36.5605	0.1307	2.1714	5.4700e-003		0.2513	0.2513		0.2513	0.2513	35.4098	128.3051	163.7149	0.1697	2.3300e-003	168.6524
Energy	1.9640	17.8529	14.9869	0.1071		1.3569	1.3569		1.3569	1.3569		21,425.2106	21,425.2106	0.4107	0.3928	21,552.5299
Mobile	17.1332	81.9959	252.0979	1.1361	130.4266	0.7347	131.1613	34.6873	0.6803	35.3676		116,034.3668	116,034.3668	4.7763		116,153.7747
Total	**55.6577**	**99.9794**	**269.2563**	**1.2487**	**130.4266**	**2.3429**	**132.7695**	**34.6873**	**2.2885**	**36.9758**	**35.4098**	**137,587.8824**	**137,623.2923**	**5.3567**	**0.3951**	**137,874.9570**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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**

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	17.1332	81.9959	252.0979	1.1361	130.4266	0.7347	131.1613	34.6873	0.6803	35.3676		116,034.3668	116,034.3668	4.7763		116,153.7747
Unmitigated	17.1332	81.9959	252.0979	1.1361	130.4266	0.7347	131.1613	34.6873	0.6803	35.3676		116,034.3668	116,034.3668	4.7763		116,153.7747

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
General Light Industry	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Hospital	11,899.65	11,899.65	11899.65	61,940,069	61,940,069
Hotel	0.00	0.00	0.00		
Medical Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Research & Development	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	11,899.65	11,899.65	11,899.65	61,940,069	61,940,069

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
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Hospital	14.30	0.00	0.00	100.00	0.00	0.00	100	0	0
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Research & Development	16.60	8.40	6.90	33.00	48.00	19.00	82	15	3
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812
General Light Industry	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812
General Office Building	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812
Hospital	0.623085	0.050643	0.242183	0.026012	0.003332	0.001545	0.005197	0.040482	0.000640	0.000421	0.006089	0.000174	0.000197
Hotel	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812
Medical Office Building	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812
Parking Lot	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812
Research & Development	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812
Unrefrigerated Warehouse-No Rail	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

Kilowatt Hours of Renewable Electricity Generated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.9640	17.8529	14.9869	0.1071		1.3569	1.3569		1.3569	1.3569		21,425.2106	21,425.2106	0.4107	0.3928	21,552.5299
NaturalGas Unmitigated	1.9640	17.8529	14.9869	0.1071		1.3569	1.3569		1.3569	1.3569		21,425.2106	21,425.2106	0.4107	0.3928	21,552.5299

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	248.312	2.6800e-003	0.0229	9.7400e-003	1.5000e-004		1.8500e-003	1.8500e-003		1.8500e-003	1.8500e-003		29.2131	29.2131	5.6000e-004	5.4000e-004	29.3867
General Light Industry	4009.31	0.0432	0.3931	0.3302	2.3600e-003		0.0299	0.0299		0.0299	0.0299		471.6836	471.6836	9.0400e-003	8.6500e-003	474.4865
General Office Building	2361.73	0.0255	0.2315	0.1945	1.3900e-003		0.0176	0.0176		0.0176	0.0176		277.8501	277.8501	5.3300e-003	5.0900e-003	279.5012
Hospital	142849	1.5405	14.0048	11.7640	0.0840		1.0644	1.0644		1.0644	1.0644		16,805.7188	16,805.7188	0.3221	0.3081	16,905.5868
Hotel	1286.69	0.0139	0.1262	0.1060	7.6000e-004		9.5900e-003	9.5900e-003		9.5900e-003	9.5900e-003		151.3756	151.3756	2.9000e-003	2.7800e-003	152.2752
Medical Office Building	6349.38	0.0685	0.6225	0.5229	3.7300e-003		0.0473	0.0473		0.0473	0.0473		746.9854	746.9854	0.0143	0.0137	751.4244
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	24841.5	0.2679	2.4354	2.0458	0.0146		0.1851	0.1851		0.1851	0.1851		2,922.5247	2,922.5247	0.0560	0.0536	2,939.8918
Unrefrigerated Warehouse-No Rail	168.805	1.8200e-003	0.0166	0.0139	1.0000e-004		1.2600e-003	1.2600e-003		1.2600e-003	1.2600e-003		19.8594	19.8594	3.8000e-004	3.6000e-004	19.9774
Total		**1.9640**	**17.8529**	**14.9869**	**0.1071**		**1.3569**	**1.3569**		**1.3569**	**1.3569**		**21,425.2106**	**21,425.2106**	**0.4107**	**0.3928**	**21,552.5299**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	0.248312	2.6800e-003	0.0229	9.7400e-003	1.5000e-004		1.8500e-003	1.8500e-003		1.8500e-003	1.8500e-003		29.2131	29.2131	5.6000e-004	5.4000e-004	29.3867
General Light Industry	4.00931	0.0432	0.3931	0.3302	2.3600e-003		0.0299	0.0299		0.0299	0.0299		471.6836	471.6836	9.0400e-003	8.6500e-003	474.4865
General Office Building	2.36173	0.0255	0.2315	0.1945	1.3900e-003		0.0176	0.0176		0.0176	0.0176		277.8501	277.8501	5.3300e-003	5.0900e-003	279.5012
Hospital	142.849	1.5405	14.0048	11.7640	0.0840		1.0644	1.0644		1.0644	1.0644		16,805.7188	16,805.7188	0.3221	0.3081	16,905.5868
Hotel	1.28669	0.0139	0.1262	0.1060	7.6000e-004		9.5900e-003	9.5900e-003		9.5900e-003	9.5900e-003		151.3756	151.3756	2.9000e-003	2.7800e-003	152.2752
Medical Office Building	6.34938	0.0685	0.6225	0.5229	3.7300e-003		0.0473	0.0473		0.0473	0.0473		746.9854	746.9854	0.0143	0.0137	751.4244
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	24.8415	0.2679	2.4354	2.0458	0.0146		0.1851	0.1851		0.1851	0.1851		2,922.5247	2,922.5247	0.0560	0.0536	2,939.8918
Unrefrigerated Warehouse-No Rail	0.168805	1.8200e-003	0.0166	0.0139	1.0000e-004		1.2600e-003	1.2600e-003		1.2600e-003	1.2600e-003		19.8594	19.8594	3.8000e-004	3.6000e-004	19.9774
Total		**1.9640**	**17.8529**	**14.9869**	**0.1071**		**1.3569**	**1.3569**		**1.3569**	**1.3569**		**21,425.2106**	**21,425.2106**	**0.4107**	**0.3928**	**21,552.5299**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	36.5605	0.1307	2.1714	5.4700e-003		0.2513	0.2513		0.2513	0.2513	35.4098	128.3051	163.7149	0.1697	2.3300e-003	168.6524
Unmitigated	36.5605	0.1307	2.1714	5.4700e-003		0.2513	0.2513		0.2513	0.2513	35.4098	128.3051	163.7149	0.1697	2.3300e-003	168.6524

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	4.1669					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	32.1902					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1736	0.1235	1.5130	5.4300e-003		0.2480	0.2480		0.2480	0.2480	35.4098	127.0588	162.4687	0.1680	2.3300e-003	167.3620
Landscaping	0.0298	7.1700e-003	0.6584	4.0000e-005		3.3300e-003	3.3300e-003		3.3300e-003	3.3300e-003		1.2462	1.2462	1.7600e-003		1.2903
Total	**36.5605**	**0.1307**	**2.1714**	**5.4700e-003**		**0.2513**	**0.2513**		**0.2513**	**0.2513**	**35.4098**	**128.3051**	**163.7149**	**0.1697**	**2.3300e-003**	**168.6524**

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	4.1669					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	32.1902					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1736	0.1235	1.5130	5.4300e-003		0.2480	0.2480		0.2480	0.2480	35.4098	127.0588	162.4687	0.1680	2.3300e-003	167.3620
Landscaping	0.0298	7.1700e-003	0.6584	4.0000e-005		3.3300e-003	3.3300e-003		3.3300e-003	3.3300e-003		1.2462	1.2462	1.7600e-003		1.2903
Total	**36.5605**	**0.1307**	**2.1714**	**5.4700e-003**		**0.2513**	**0.2513**		**0.2513**	**0.2513**	**35.4098**	**128.3051**	**163.7149**	**0.1697**	**2.3300e-003**	**168.6524**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Existing Operation -2030

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	69.30	1000sqft	16.17	69,295.00	0
Hospital	730.04	1000sqft	16.17	730,044.00	0
Medical Office Building	186.30	1000sqft	16.17	186,296.00	0
Research & Development	457.94	1000sqft	16.17	457,936.00	0
General Light Industry	73.91	1000sqft	1.70	73,909.00	0
Unrefrigerated Warehouse-No Rail	59.24	1000sqft	1.36	59,244.00	0
Parking Lot	31.97	Acre	31.97	1,392,800.00	0
Hotel	13.00	Room	16.17	18,168.00	0
Apartments Low Rise	6.00	Dwelling Unit	0.14	5,958.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2030
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - .

Land Use - Based on information provided by the Applicant. Number of rooms and DUs based on actual square footage and CalEEMod area per room/DU rate.

Construction Phase - Operation run only

Vehicle Trips - Trip generation and trip length based on information provided by Fehr & Peers. For purposes of this analysis, all trips are assigned to the Hospital land use.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - Assumes natural gas fireplaces for all units.

Energy Use - Assumes existing buildings built to meet the 2005 Building Energy Efficiency Standards.

Water And Wastewater - Based on water demand and wasteater information provided by KPFF. Assumes no septic tanks or facultive lagoons. Indoor and outdoor water proportioned evenly for purposes of this analysis.

Solid Waste - Based on solid waste generation as calculated in Chapter 5.16, Utilities and Service Systems.

Energy Mitigation -

Fleet Mix - Based on CalTrans vehicle mix for segment of Interstate 210 west of Interstate 605.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	200.00	1.00
tblFireplaces	NumberGas	5.10	6.00
tblFireplaces	NumberNoFireplace	0.60	0.00
tblFireplaces	NumberWood	0.30	0.00
tblFleetMix	FleetMixLandUseSubType	General Office Building	Apartments Low Rise
tblFleetMix	FleetMixLandUseSubType	Hospital	General Light Industry
tblFleetMix	FleetMixLandUseSubType	Medical Office Building	General Office Building
tblFleetMix	FleetMixLandUseSubType	Research & Development	Hospital
tblFleetMix	FleetMixLandUseSubType	General Light Industry	Hotel
tblFleetMix	FleetMixLandUseSubType	Unrefrigerated Warehouse-No Rail	Medical Office Building
tblFleetMix	FleetMixLandUseSubType	Hotel	Research & Development

tblFleetMix	FleetMixLandUseSubType	Apartments Low Rise	Unrefrigerated Warehouse-No Rail
tblFleetMix	HHD	0.03	0.04
tblFleetMix	LDA	0.54	0.62
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT2	0.21	0.24
tblFleetMix	LHD1	0.01	3.3320e-003
tblFleetMix	LHD2	6.3670e-003	1.5450e-003
tblFleetMix	MCY	5.2970e-003	6.0890e-003
tblFleetMix	MDV	0.12	0.03
tblFleetMix	MH	8.1200e-004	1.9700e-004
tblFleetMix	MHD	0.02	5.1970e-003
tblFleetMix	OBUS	2.6370e-003	6.4000e-004
tblFleetMix	SBUS	7.1900e-004	1.7400e-004
tblFleetMix	UBUS	1.7340e-003	4.2100e-004
tblLandUse	BuildingSpaceSquareFeet	69,300.00	69,295.00
tblLandUse	BuildingSpaceSquareFeet	730,040.00	730,044.00
tblLandUse	BuildingSpaceSquareFeet	186,300.00	186,296.00
tblLandUse	BuildingSpaceSquareFeet	457,940.00	457,936.00
tblLandUse	BuildingSpaceSquareFeet	73,910.00	73,909.00
tblLandUse	BuildingSpaceSquareFeet	59,240.00	59,244.00
tblLandUse	BuildingSpaceSquareFeet	1,392,613.20	1,392,800.00
tblLandUse	BuildingSpaceSquareFeet	18,876.00	18,168.00
tblLandUse	BuildingSpaceSquareFeet	6,000.00	5,958.00
tblLandUse	LandUseSquareFeet	69,300.00	69,295.00
tblLandUse	LandUseSquareFeet	730,040.00	730,044.00
tblLandUse	LandUseSquareFeet	186,300.00	186,296.00
tblLandUse	LandUseSquareFeet	457,940.00	457,936.00
tblLandUse	LandUseSquareFeet	73,910.00	73,909.00

tblLandUse	LandUseSquareFeet	59,240.00	59,244.00
tblLandUse	LandUseSquareFeet	1,392,613.20	1,392,800.00
tblLandUse	LandUseSquareFeet	18,876.00	18,168.00
tblLandUse	LandUseSquareFeet	6,000.00	5,958.00
tblLandUse	LotAcreage	1.59	16.17
tblLandUse	LotAcreage	16.76	16.17
tblLandUse	LotAcreage	4.28	16.17
tblLandUse	LotAcreage	10.51	16.17
tblLandUse	LotAcreage	0.43	16.17
tblLandUse	LotAcreage	0.38	0.14
tblLandUse	Population	17.00	0.00
tblProjectCharacteristics	OperationalYear	2018	2030
tblSolidWaste	SolidWasteGenerationRate	2.76	1,215.00
tblSolidWaste	SolidWasteGenerationRate	91.65	1,215.00
tblSolidWaste	SolidWasteGenerationRate	64.45	1,215.00
tblSolidWaste	SolidWasteGenerationRate	7,884.43	1,215.00
tblSolidWaste	SolidWasteGenerationRate	7.12	1,215.00
tblSolidWaste	SolidWasteGenerationRate	2,012.04	1,215.00
tblSolidWaste	SolidWasteGenerationRate	0.00	1,215.00
tblSolidWaste	SolidWasteGenerationRate	34.80	1,215.00
tblSolidWaste	SolidWasteGenerationRate	55.69	1,215.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	16.10	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	14.30
tblVehicleTrips	CW_TTP	64.90	100.00
tblVehicleTrips	DV_TP	25.00	0.00

tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PR_TP	73.00	100.00
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	10.18	16.30
tblVehicleTrips	ST_TR	8.19	0.00
tblVehicleTrips	ST_TR	8.96	0.00
tblVehicleTrips	ST_TR	1.90	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	8.91	16.30
tblVehicleTrips	SU_TR	5.95	0.00
tblVehicleTrips	SU_TR	1.55	0.00
tblVehicleTrips	SU_TR	1.11	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	13.22	16.30
tblVehicleTrips	WD_TR	8.17	0.00
tblVehicleTrips	WD_TR	36.13	0.00
tblVehicleTrips	WD_TR	8.11	0.00
tblVehicleTrips	WD_TR	1.68	0.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00

tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	390,924.15	18,804,435.00
tblWater	IndoorWaterUseRate	17,091,687.50	18,804,435.00
tblWater	IndoorWaterUseRate	12,316,948.74	18,804,435.00
tblWater	IndoorWaterUseRate	91,605,811.64	18,804,435.00
tblWater	IndoorWaterUseRate	329,768.01	18,804,435.00
tblWater	IndoorWaterUseRate	23,377,024.15	18,804,435.00
tblWater	IndoorWaterUseRate	225,166,326.18	18,804,435.00
tblWater	IndoorWaterUseRate	13,699,250.00	18,804,435.00
tblWater	OutdoorWaterUseRate	246,452.18	2,089,397.00
tblWater	OutdoorWaterUseRate	0.00	2,089,397.00
tblWater	OutdoorWaterUseRate	7,549,097.61	2,089,397.00
tblWater	OutdoorWaterUseRate	17,448,726.03	2,089,397.00
tblWater	OutdoorWaterUseRate	36,640.89	2,089,397.00
tblWater	OutdoorWaterUseRate	4,452,766.50	2,089,397.00

tblWater	OutdoorWaterUseRate	0.00	2,089,397.00
tblWater	OutdoorWaterUseRate	0.00	2,089,397.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2016	2.2300e-003	0.0228	0.0122	2.0000e-005	8.0000e-005	1.1800e-003	1.2600e-003	2.0000e-005	1.1000e-003	1.1200e-003	0.0000	1.8902	1.8902	4.9000e-004	0.0000	1.9025
Maximum	**2.2300e-003**	**0.0228**	**0.0122**	**2.0000e-005**	**8.0000e-005**	**1.1800e-003**	**1.2600e-003**	**2.0000e-005**	**1.1000e-003**	**1.1200e-003**	**0.0000**	**1.8902**	**1.8902**	**4.9000e-004**	**0.0000**	**1.9025**

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					
2016	2.2300e-003	0.0228	0.0122	2.0000e-005	8.0000e-005	1.1800e-003	1.2600e-003	2.0000e-005	1.1000e-003	1.1200e-003	0.0000	1.8902	1.8902	4.9000e-004	0.0000	1.9025
Maximum	**2.2300e-003**	**0.0228**	**0.0122**	**2.0000e-005**	**8.0000e-005**	**1.1800e-003**	**1.2600e-003**	**2.0000e-005**	**1.1000e-003**	**1.1200e-003**	**0.0000**	**1.8902**	**1.8902**	**4.9000e-004**	**0.0000**	**1.9025**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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	**1-1-2016**	**3-31-2016**	0.0179	0.0179
		Highest	0.0179	0.0179

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	6.6411	2.4400e-003	0.1012	7.0000e-005		3.5200e-003	3.5200e-003		3.5200e-003	3.5200e-003	0.4015	1.5821	1.9837	2.1000e-003	3.0000e-005	2.0442
Energy	0.3584	3.2582	2.7351	0.0196		0.2476	0.2476		0.2476	0.2476	0.0000	13,220.6296	13,220.6296	0.4674	0.1477	13,276.3158
Mobile	3.0655	15.1943	46.6816	0.2097	23.2749	0.1334	23.4083	6.1995	0.1235	6.3230	0.0000	19,428.9801	19,428.9801	0.7853	0.0000	19,448.6112
Waste						0.0000	0.0000		0.0000	0.0000	2,219.7062	0.0000	2,219.7062	131.1809	0.0000	5,499.2281
Water						0.0000	0.0000		0.0000	0.0000	53.2243	683.2919	736.5162	0.2114	0.1216	778.0327
Total	**10.0650**	**18.4549**	**49.5180**	**0.2293**	**23.2749**	**0.3845**	**23.6594**	**6.1995**	**0.3747**	**6.5742**	**2,273.3320**	**33,334.4837**	**35,607.8157**	**132.6470**	**0.2693**	**39,004.2320**

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	6.6411	2.4400e-003	0.1012	7.0000e-005		3.5200e-003	3.5200e-003		3.5200e-003	3.5200e-003	0.4015	1.5821	1.9837	2.1000e-003	3.0000e-005	2.0442
Energy	0.3584	3.2582	2.7351	0.0196		0.2476	0.2476		0.2476	0.2476	0.0000	13,220.2488	13,220.2488	0.4673	0.1477	13,275.9337
Mobile	3.0655	15.1943	46.6816	0.2097	23.2749	0.1334	23.4083	6.1995	0.1235	6.3230	0.0000	19,428.9801	19,428.9801	0.7853	0.0000	19,448.6112
Waste						0.0000	0.0000		0.0000	0.0000	2,219.7062	0.0000	2,219.7062	131.1809	0.0000	5,499.2281
Water						0.0000	0.0000		0.0000	0.0000	53.2243	683.2919	736.5162	0.2114	0.1216	778.0327
Total	**10.0650**	**18.4549**	**49.5180**	**0.2293**	**23.2749**	**0.3845**	**23.6594**	**6.1995**	**0.3747**	**6.5742**	**2,273.3320**	**33,334.1030**	**35,607.4350**	**132.6470**	**0.2693**	**39,003.8498**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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**

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	3.0655	15.1943	46.6816	0.2097	23.2749	0.1334	23.4083	6.1995	0.1235	6.3230	0.0000	19,428.9801	19,428.9801	0.7853	0.0000	19,448.6112
Unmitigated	3.0655	15.1943	46.6816	0.2097	23.2749	0.1334	23.4083	6.1995	0.1235	6.3230	0.0000	19,428.9801	19,428.9801	0.7853	0.0000	19,448.6112

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
General Light Industry	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Hospital	11,899.65	11,899.65	11899.65	61,940,069	61,940,069
Hotel	0.00	0.00	0.00		
Medical Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Research & Development	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	11,899.65	11,899.65	11,899.65	61,940,069	61,940,069

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
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Hospital	14.30	0.00	0.00	100.00	0.00	0.00	100	0	0
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Research & Development	16.60	8.40	6.90	33.00	48.00	19.00	82	15	3
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812
General Light Industry	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812
General Office Building	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812
Hospital	0.623085	0.050643	0.242183	0.026012	0.003332	0.001545	0.005197	0.040482	0.000640	0.000421	0.006089	0.000174	0.000197
Hotel	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812
Medical Office Building	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812
Parking Lot	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812
Research & Development	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812
Unrefrigerated Warehouse-No Rail	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

Kilowatt Hours of Renewable Electricity Generated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	9,673.0649	9,673.0649	0.3994	0.0826	9,707.6706
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	9,673.4457	9,673.4457	0.3994	0.0826	9,708.0527
NaturalGas Mitigated	0.3584	3.2582	2.7351	0.0196		0.2476	0.2476		0.2476	0.2476	0.0000	3,547.1839	3,547.1839	0.0680	0.0650	3,568.2630
NaturalGas Unmitigated	0.3584	3.2582	2.7351	0.0196		0.2476	0.2476		0.2476	0.2476	0.0000	3,547.1839	3,547.1839	0.0680	0.0650	3,568.2630

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	90633.8	4.9000e-004	4.1800e-003	1.7800e-003	3.0000e-005		3.4000e-004	3.4000e-004		3.4000e-004	3.4000e-004	0.0000	4.8366	4.8366	9.0000e-005	9.0000e-005	4.8653
General Light Industry	1.4634e+006	7.8900e-003	0.0717	0.0603	4.3000e-004		5.4500e-003	5.4500e-003		5.4500e-003	5.4500e-003	0.0000	78.0925	78.0925	1.5000e-003	1.4300e-003	78.5566
General Office Building	862030	4.6500e-003	0.0423	0.0355	2.5000e-004		3.2100e-003	3.2100e-003		3.2100e-003	3.2100e-003	0.0000	46.0012	46.0012	8.8000e-004	8.4000e-004	46.2746
Hospital	5.21397e+007	0.2812	2.5559	2.1469	0.0153		0.1943	0.1943		0.1943	0.1943	0.0000	2,782.3752	2,782.3752	0.0533	0.0510	2,798.9095
Hotel	469643	2.5300e-003	0.0230	0.0193	1.4000e-004		1.7500e-003	1.7500e-003		1.7500e-003	1.7500e-003	0.0000	25.0619	25.0619	4.8000e-004	4.6000e-004	25.2109
Medical Office Building	2.31752e+006	0.0125	0.1136	0.0954	6.8000e-004		8.6300e-003	8.6300e-003		8.6300e-003	8.6300e-003	0.0000	123.6718	123.6718	2.3700e-003	2.2700e-003	124.4067
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	9.06713e+006	0.0489	0.4445	0.3734	2.6700e-003		0.0338	0.0338		0.0338	0.0338	0.0000	483.8567	483.8567	9.2700e-003	8.8700e-003	486.7321
Unrefrigerated Warehouse-No Rail	61613.8	3.3000e-004	3.0200e-003	2.5400e-003	2.0000e-005		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004	0.0000	3.2879	3.2879	6.0000e-005	6.0000e-005	3.3075
Total		**0.3584**	**3.2582**	**2.7351**	**0.0196**		**0.2476**	**0.2476**		**0.2476**	**0.2476**	**0.0000**	**3,547.1839**	**3,547.1839**	**0.0680**	**0.0650**	**3,568.2630**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	90633.8	4.9000e-004	4.1800e-003	1.7800e-003	3.0000e-005		3.4000e-004	3.4000e-004		3.4000e-004	3.4000e-004	0.0000	4.8366	4.8366	9.0000e-005	9.0000e-005	4.8653
General Light Industry	1.4634e+006	7.8900e-003	0.0717	0.0603	4.3000e-004		5.4500e-003	5.4500e-003		5.4500e-003	5.4500e-003	0.0000	78.0925	78.0925	1.5000e-003	1.4300e-003	78.5566
General Office Building	862030	4.6500e-003	0.0423	0.0355	2.5000e-004		3.2100e-003	3.2100e-003		3.2100e-003	3.2100e-003	0.0000	46.0012	46.0012	8.8000e-004	8.4000e-004	46.2746
Hospital	5.21397e+007	0.2812	2.5559	2.1469	0.0153		0.1943	0.1943		0.1943	0.1943	0.0000	2,782.3752	2,782.3752	0.0533	0.0510	2,798.9095
Hotel	469643	2.5300e-003	0.0230	0.0193	1.4000e-004		1.7500e-003	1.7500e-003		1.7500e-003	1.7500e-003	0.0000	25.0619	25.0619	4.8000e-004	4.6000e-004	25.2109
Medical Office Building	2.31752e+006	0.0125	0.1136	0.0954	6.8000e-004		8.6300e-003	8.6300e-003		8.6300e-003	8.6300e-003	0.0000	123.6718	123.6718	2.3700e-003	2.2700e-003	124.4067
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	9.06713e+006	0.0489	0.4445	0.3734	2.6700e-003		0.0338	0.0338		0.0338	0.0338	0.0000	483.8567	483.8567	9.2700e-003	8.8700e-003	486.7321
Unrefrigerated Warehouse-No Rail	61613.8	3.3000e-004	3.0200e-003	2.5400e-003	2.0000e-005		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004	0.0000	3.2879	3.2879	6.0000e-005	6.0000e-005	3.3075
Total		**0.3584**	**3.2582**	**2.7351**	**0.0196**		**0.2476**	**0.2476**		**0.2476**	**0.2476**	**0.0000**	**3,547.1839**	**3,547.1839**	**0.0680**	**0.0650**	**3,568.2630**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	22365.5	7.1261	2.9000e-004	6.0000e-005	7.1516
General Light Industry	926819	295.3044	0.0122	2.5200e-003	296.3608
General Office Building	1.05606e+006	336.4820	0.0139	2.8700e-003	337.6858
Hospital	1.81124e+007	5,770.9960	0.2383	0.0493	5,791.6419
Hotel	164602	52.4458	2.1700e-003	4.5000e-004	52.6334
Medical Office Building	2.83915e+006	904.6144	0.0374	7.7300e-003	907.8506
Parking Lot	1.22566e+006	390.5228	0.0161	3.3400e-003	391.9199
Research & Development	5.74252e+006	1,829.6891	0.0755	0.0156	1,836.2349
Unrefrigerated Warehouse-No Rail	270745	86.2652	3.5600e-003	7.4000e-004	86.5738
Total		**9,673.4457**	**0.3994**	**0.0826**	**9,708.0527**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	22232.8	7.0838	2.9000e-004	6.0000e-005	7.1092
General Light Industry	926686	295.2620	0.0122	2.5200e-003	296.3184
General Office Building	1.05592e+006	336.4397	0.0139	2.8700e-003	337.6433
Hospital	1.81123e+007	5,770.9537	0.2383	0.0493	5,791.5995
Hotel	164469	52.4034	2.1600e-003	4.5000e-004	52.5909
Medical Office Building	2.83902e+006	904.5720	0.0373	7.7300e-003	907.8082
Parking Lot	1.22553e+006	390.4805	0.0161	3.3400e-003	391.8775
Research & Development	5.74238e+006	1,829.6468	0.0755	0.0156	1,836.1924
Unrefrigerated Warehouse-No Rail	270612	86.2229	3.5600e-003	7.4000e-004	86.5313
Total		**9,673.0649**	**0.3993**	**0.0826**	**9,707.6706**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	6.6411	2.4400e-003	0.1012	7.0000e-005		3.5200e-003	3.5200e-003		3.5200e-003	3.5200e-003	0.4015	1.5821	1.9837	2.1000e-003	3.0000e-005	2.0442
Unmitigated	6.6411	2.4400e-003	0.1012	7.0000e-005		3.5200e-003	3.5200e-003		3.5200e-003	3.5200e-003	0.4015	1.5821	1.9837	2.1000e-003	3.0000e-005	2.0442

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.7605					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.8747					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	2.1700e-003	1.5400e-003	0.0189	7.0000e-005		3.1000e-003	3.1000e-003		3.1000e-003	3.1000e-003	0.4015	1.4408	1.8424	1.9000e-003	3.0000e-005	1.8979
Landscaping	3.7300e-003	9.0000e-004	0.0823	0.0000		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004	0.0000	0.1413	0.1413	2.0000e-004	0.0000	0.1463
Total	**6.6411**	**2.4400e-003**	**0.1012**	**7.0000e-005**		**3.5200e-003**	**3.5200e-003**		**3.5200e-003**	**3.5200e-003**	**0.4015**	**1.5821**	**1.9837**	**2.1000e-003**	**3.0000e-005**	**2.0442**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.7605					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.8747					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	2.1700e-003	1.5400e-003	0.0189	7.0000e-005		3.1000e-003	3.1000e-003		3.1000e-003	3.1000e-003	0.4015	1.4408	1.8424	1.9000e-003	3.0000e-005	1.8979
Landscaping	3.7300e-003	9.0000e-004	0.0823	0.0000		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004	0.0000	0.1413	0.1413	2.0000e-004	0.0000	0.1463
Total	**6.6411**	**2.4400e-003**	**0.1012**	**7.0000e-005**		**3.5200e-003**	**3.5200e-003**		**3.5200e-003**	**3.5200e-003**	**0.4015**	**1.5821**	**1.9837**	**2.1000e-003**	**3.0000e-005**	**2.0442**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	736.5162	0.2114	0.1216	778.0327
Unmitigated	736.5162	0.2114	0.1216	778.0327

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
General Light Industry	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
General Office Building	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Hospital	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Hotel	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Medical Office Building	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Research & Development	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Unrefrigerated Warehouse-No	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Total		**736.5162**	**0.2114**	**0.1216**	**778.0327**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
General Light Industry	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
General Office Building	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Hospital	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Hotel	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Medical Office Building	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Research & Development	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Unrefrigerated Warehouse-No Rail	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Total		**736.5162**	**0.2114**	**0.1216**	**778.0327**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	2,219.7062	131.1809	0.0000	5,499.2281
Unmitigated	2,219.7062	131.1809	0.0000	5,499.2281

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	1215	246.6340	14.5757	0.0000	611.0254
General Light Industry	1215	246.6340	14.5757	0.0000	611.0254
General Office Building	1215	246.6340	14.5757	0.0000	611.0254
Hospital	1215	246.6340	14.5757	0.0000	611.0254
Hotel	1215	246.6340	14.5757	0.0000	611.0254
Medical Office Building	1215	246.6340	14.5757	0.0000	611.0254
Parking Lot	1215	246.6340	14.5757	0.0000	611.0254
Research & Development	1215	246.6340	14.5757	0.0000	611.0254
Unrefrigerated Warehouse-No Rail	1215	246.6340	14.5757	0.0000	611.0254
Total		**2,219.7062**	**131.1809**	**0.0000**	**5,499.2282**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	1215	246.6340	14.5757	0.0000	611.0254
General Light Industry	1215	246.6340	14.5757	0.0000	611.0254
General Office Building	1215	246.6340	14.5757	0.0000	611.0254
Hospital	1215	246.6340	14.5757	0.0000	611.0254
Hotel	1215	246.6340	14.5757	0.0000	611.0254
Medical Office Building	1215	246.6340	14.5757	0.0000	611.0254
Parking Lot	1215	246.6340	14.5757	0.0000	611.0254
Research & Development	1215	246.6340	14.5757	0.0000	611.0254
Unrefrigerated Warehouse-No Rail	1215	246.6340	14.5757	0.0000	611.0254
Total		**2,219.7062**	**131.1809**	**0.0000**	**5,499.2282**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Existing Operation -2030

Los Angeles-South Coast, Summary Report

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	69.30	1000sqft	16.17	69,295.00	0
Hospital	730.04	1000sqft	16.17	730,044.00	0
Medical Office Building	186.30	1000sqft	16.17	186,296.00	0
Research & Development	457.94	1000sqft	16.17	457,936.00	0
General Light Industry	73.91	1000sqft	1.70	73,909.00	0
Unrefrigerated Warehouse-No Rail	59.24	1000sqft	1.36	59,244.00	0
Parking Lot	31.97	Acre	31.97	1,392,800.00	0
Hotel	13.00	Room	16.17	18,168.00	0
Apartments Low Rise	6.00	Dwelling Unit	0.14	5,958.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2030
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments

Only CalEEMod defaults were used.

Project Characteristics - .

Land Use - Based on information provided by the Applicant. Number of rooms and DUs based on actual square footage and CalEEMod area per room/DU rate.

Construction Phase - Operation run only

Vehicle Trips - Trip generation and trip length based on information provided by Fehr & Peers. For purposes of this analysis, all trips are assigned to the Hospital land use.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - Assumes natural gas fireplaces for all units.

Energy Use - Assumes existing buildings built to meet the 2005 Building Energy Efficiency Standards.

Water And Wastewater - Based on water demand and wasteater information provided by KPFF. Assumes no septic tanks or facultive lagoons. Indoor and outdoor water proportioned evenly for purposes of this analysis.

Solid Waste - Based on solid waste generation as calculated in Chapter 5.16, Utilities and Service Systems.

Energy Mitigation -

Fleet Mix - Based on CalTrans vehicle mix for segment of Interstate 210 west of Interstate 605.

2.0 Peak Daily Emissions

Peak Daily Operational Emissions

Peak Daily Operational Emissions

		Unmitigated						Mitigated					
		ROG	NOX	CO	SO2	PM10	PM2.5	ROG	NOX	CO	SO2	PM10	PM2.5
	Operational Activity	lb/day											
On-Site	Area	36.5605 S	0.1307 S	2.1714 S	5.4700e-003 S	0.2513 S	0.2513 S	36.5605 S	0.1307 S	2.1714 S	5.4700e-003 S	0.2513 S	0.2513 S
On-Site	Energy	1.9640 S	17.8529 S	14.9869 S	0.1071 S	1.3569 S	1.3569 S	1.9640 S	17.8529 S	14.9869 S	0.1071 S	1.3569 S	1.3569 S
Off-Site	Mobile	17.5865 S	81.9959 W	269.1312 S	1.1948 S	131.1613 W	35.3676 W	17.5865 S	81.9959 W	269.1312 S	1.1948 S	131.1613 W	35.3676 W
	Peak Daily Total	56.1110 S	99.9794 W	286.2896 S	1.3074 S	132.7695 W	36.9758 W	56.1110 S	99.9794 W	286.2896 S	1.3074 S	132.7695 W	36.9758 W
	Air District Threshold												
	Exceed Significance?												

3.0 Annual GHG Emissions

Annual GHG

Annual GHG

		Unmitigated				Mitigated			
		CO2	CH4	N2O	CO2e	CO2	CH4	N2O	CO2e
GHG Activity	Year	MT/yr							
Operational	2030	35,607.8157	132.6470	0.2693	39,004.2329	35,607.4350	132.6470	0.2693	39,003.8490
	Total								
	Significance Threshold								
	Exceed Significance?								

Existing Operation -2030

Los Angeles-South Coast County, Mitigation Report

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting:

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value 3
No	Land Use	Increase Density	0.00			
No	Land Use	Increase Diversity	0.12	0.35		
No	Land Use	Improve Walkability Design	0.00			
No	Land Use	Improve Destination Accessibility	0.00			
No	Land Use	Increase Transit Accessibility	0.25			

No	Land Use	Integrate Below Market Rate Housing	0.00			
	Land Use	Land Use SubTotal	0.00			
No	Neighborhood Enhancements	Improve Pedestrian Network				
No	Neighborhood Enhancements	Provide Traffic Calming Measures				
No	Neighborhood Enhancements	Implement NEV Network	0.00			
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00			
No	Parking Policy Pricing	Limit Parking Supply	0.00			
No	Parking Policy Pricing	Unbundle Parking Costs	0.00			
No	Parking Policy Pricing	On-street Market Pricing	0.00			
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00			
No	Transit Improvements	Provide BRT System	0.00			
No	Transit Improvements	Expand Transit Network	0.00			
No	Transit Improvements	Increase Transit Frequency	0.00			
	Transit Improvements	Transit Improvements Subtotal	0.00			
		Land Use and Site Enhancement Subtotal	0.00			
No	Commute	Implement Trip Reduction Program				
No	Commute	Transit Subsidy				
No	Commute	Implement Employee Parking "Cash Out"				
No	Commute	Workplace Parking Charge				
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00			
No	Commute	Market Commute Trip Reduction Option	0.00			
No	Commute	Employee Vanpool/Shuttle	0.00		2.00	
No	Commute	Provide Ride Sharing Program				
	Commute	Commute Subtotal	0.00			
No	School Trip	Implement School Bus Program	0.00			
		Total VMT Reduction	0.00			

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
No	No Hearth	
No	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	50.00
No	Use Low VOC Paint (Residential Exterior)	50.00
No	Use Low VOC Paint (Non-residential Interior)	100.00
No	Use Low VOC Paint (Non-residential Exterior)	100.00
No	Use Low VOC Paint (Parking)	100.00
No	% Electric Lawnmower	
No	% Electric Leafblower	
No	% Electric Chainsaw	

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Exceed Title 24		
No	Install High Efficiency Lighting		
Yes	On-site Renewable	1,195.00	

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Apply Water Conservation on Strategy		
No	Use Reclaimed Water		
No	Use Grey Water		
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction		
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape		

Solid Waste Mitigation

Mitigation Measures	Input Value
Institute Recycling and Composting Services	
Percent Reduction in Waste Disposed	

CalEEMod Output: Operation – Existing (Phase 4)

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Existing Operation -2035

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	69.30	1000sqft	16.17	69,295.00	0
Hospital	730.04	1000sqft	16.17	730,044.00	0
Medical Office Building	186.30	1000sqft	16.17	186,296.00	0
Research & Development	457.94	1000sqft	16.17	457,936.00	0
General Light Industry	73.91	1000sqft	1.70	73,909.00	0
Unrefrigerated Warehouse-No Rail	59.24	1000sqft	1.36	59,244.00	0
Parking Lot	31.97	Acre	31.97	1,392,800.00	0
Hotel	13.00	Room	16.17	18,168.00	0
Apartments Low Rise	6.00	Dwelling Unit	0.14	5,958.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2035
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - .

Land Use - Based on information provided by the Applicant. Number of rooms and DUs based on actual square footage and CalEEMod area per room/DU rate.
Construction Phase - Operation run only

Vehicle Trips - Trip generation and trip length based on information provided by Fehr & Peers. For purposes of this analysis, all trips are assigned to the Hospital land use.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - Assumes natural gas fireplaces for all units.

Energy Use - Assumes existing buildings built to meet the 2005 Building Energy Efficiency Standards.

Water And Wastewater - Based on water demand and wasteater information provided by KPFF. Assumes no septic tanks or facultive lagoons. Indoor and outdoor water proportioned evenly for purposes of this analysis.
Solid Waste - Based on solid waste generation as calculated in Chapter 5.16, Utilities and Service Systems.

Energy Mitigation -

Fleet Mix - Based on CalTrans vehicle mix for segment of Interstate 210 west of Interstate 605.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	200.00	1.00
tblFireplaces	NumberGas	5.10	6.00
tblFireplaces	NumberNoFireplace	0.60	0.00
tblFireplaces	NumberWood	0.30	0.00
tblFleetMix	FleetMixLandUseSubType	General Office Building	Apartments Low Rise
tblFleetMix	FleetMixLandUseSubType	Hospital	General Light Industry
tblFleetMix	FleetMixLandUseSubType	Medical Office Building	General Office Building
tblFleetMix	FleetMixLandUseSubType	Research & Development	Hospital
tblFleetMix	FleetMixLandUseSubType	General Light Industry	Hotel
tblFleetMix	FleetMixLandUseSubType	Unrefrigerated Warehouse-No Rail	Medical Office Building
tblFleetMix	FleetMixLandUseSubType	Hotel	Research & Development
tblFleetMix	FleetMixLandUseSubType	Apartments Low Rise	Unrefrigerated Warehouse-No Rail

tblFleetMix	HHD	0.04	0.04
tblFleetMix	LDA	0.54	0.62
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT2	0.21	0.24
tblFleetMix	LHD1	0.01	3.2270e-003
tblFleetMix	LHD2	6.4400e-003	1.5540e-003
tblFleetMix	MCY	5.3240e-003	6.1370e-003
tblFleetMix	MDV	0.12	0.03
tblFleetMix	MH	8.0700e-004	1.9500e-004
tblFleetMix	MHD	0.02	5.3100e-003
tblFleetMix	OBUS	2.7030e-003	6.5200e-004
tblFleetMix	SBUS	7.3200e-004	1.7700e-004
tblFleetMix	UBUS	1.6290e-003	3.9300e-004
tblLandUse	BuildingSpaceSquareFeet	69,300.00	69,295.00
tblLandUse	BuildingSpaceSquareFeet	730,040.00	730,044.00
tblLandUse	BuildingSpaceSquareFeet	186,300.00	186,296.00
tblLandUse	BuildingSpaceSquareFeet	457,940.00	457,936.00
tblLandUse	BuildingSpaceSquareFeet	73,910.00	73,909.00
tblLandUse	BuildingSpaceSquareFeet	59,240.00	59,244.00
tblLandUse	BuildingSpaceSquareFeet	1,392,613.20	1,392,800.00
tblLandUse	BuildingSpaceSquareFeet	18,876.00	18,168.00
tblLandUse	BuildingSpaceSquareFeet	6,000.00	5,958.00
tblLandUse	LandUseSquareFeet	69,300.00	69,295.00
tblLandUse	LandUseSquareFeet	730,040.00	730,044.00
tblLandUse	LandUseSquareFeet	186,300.00	186,296.00
tblLandUse	LandUseSquareFeet	457,940.00	457,936.00
tblLandUse	LandUseSquareFeet	73,910.00	73,909.00
tblLandUse	LandUseSquareFeet	59,240.00	59,244.00

tblLandUse	LandUseSquareFeet	1,392,613.20	1,392,800.00
tblLandUse	LandUseSquareFeet	18,876.00	18,168.00
tblLandUse	LandUseSquareFeet	6,000.00	5,958.00
tblLandUse	LotAcreage	1.59	16.17
tblLandUse	LotAcreage	16.76	16.17
tblLandUse	LotAcreage	4.28	16.17
tblLandUse	LotAcreage	10.51	16.17
tblLandUse	LotAcreage	0.43	16.17
tblLandUse	LotAcreage	0.38	0.14
tblLandUse	Population	17.00	0.00
tblProjectCharacteristics	OperationalYear	2018	2035
tblSolidWaste	SolidWasteGenerationRate	2.76	1,215.00
tblSolidWaste	SolidWasteGenerationRate	91.65	1,215.00
tblSolidWaste	SolidWasteGenerationRate	64.45	1,215.00
tblSolidWaste	SolidWasteGenerationRate	7,884.43	1,215.00
tblSolidWaste	SolidWasteGenerationRate	7.12	1,215.00
tblSolidWaste	SolidWasteGenerationRate	2,012.04	1,215.00
tblSolidWaste	SolidWasteGenerationRate	0.00	1,215.00
tblSolidWaste	SolidWasteGenerationRate	34.80	1,215.00
tblSolidWaste	SolidWasteGenerationRate	55.69	1,215.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	16.10	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	14.30
tblVehicleTrips	CW_TTP	64.90	100.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00

tblVehicleTrips	PR_TP	73.00	100.00
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	10.18	16.30
tblVehicleTrips	ST_TR	8.19	0.00
tblVehicleTrips	ST_TR	8.96	0.00
tblVehicleTrips	ST_TR	1.90	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	8.91	16.30
tblVehicleTrips	SU_TR	5.95	0.00
tblVehicleTrips	SU_TR	1.55	0.00
tblVehicleTrips	SU_TR	1.11	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	13.22	16.30
tblVehicleTrips	WD_TR	8.17	0.00
tblVehicleTrips	WD_TR	36.13	0.00
tblVehicleTrips	WD_TR	8.11	0.00
tblVehicleTrips	WD_TR	1.68	0.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00

tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	390,924.15	18,804,435.00
tblWater	IndoorWaterUseRate	17,091,687.50	18,804,435.00
tblWater	IndoorWaterUseRate	12,316,948.74	18,804,435.00
tblWater	IndoorWaterUseRate	91,605,811.64	18,804,435.00
tblWater	IndoorWaterUseRate	329,768.01	18,804,435.00
tblWater	IndoorWaterUseRate	23,377,024.15	18,804,435.00
tblWater	IndoorWaterUseRate	225,166,326.18	18,804,435.00
tblWater	IndoorWaterUseRate	13,699,250.00	18,804,435.00
tblWater	OutdoorWaterUseRate	246,452.18	2,089,397.00
tblWater	OutdoorWaterUseRate	0.00	2,089,397.00
tblWater	OutdoorWaterUseRate	7,549,097.61	2,089,397.00
tblWater	OutdoorWaterUseRate	17,448,726.03	2,089,397.00
tblWater	OutdoorWaterUseRate	36,640.89	2,089,397.00
tblWater	OutdoorWaterUseRate	4,452,766.50	2,089,397.00
tblWater	OutdoorWaterUseRate	0.00	2,089,397.00

tblWater	OutdoorWaterUseRate	0.00	2,089,397.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

2.0 Emissions Summary

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	36.5605	0.1307	2.1709	5.4700e-003		0.2513	0.2513		0.2513	0.2513	35.4098	128.3051	163.7149	0.1697	2.3300e-003	168.6523
Energy	1.9640	17.8529	14.9869	0.1071		1.3569	1.3569		1.3569	1.3569		21,425.2106	21,425.2106	0.4107	0.3928	21,552.5299
Mobile	15.0355	74.1545	227.4138	1.1144	130.4218	0.5563	130.9781	34.6852	0.5156	35.2007		113,956.4992	113,956.4992	4.2969		114,063.9220
Total	**53.5599**	**92.1381**	**244.5716**	**1.2270**	**130.4218**	**2.1645**	**132.5863**	**34.6852**	**2.1238**	**36.8089**	**35.4098**	**135,510.0148**	**135,545.4246**	**4.8773**	**0.3951**	**135,785.1043**

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	36.5605	0.1307	2.1709	5.4700e-003		0.2513	0.2513		0.2513	0.2513	35.4098	128.3051	163.7149	0.1697	2.3300e-003	168.6523
Energy	1.9640	17.8529	14.9869	0.1071		1.3569	1.3569		1.3569	1.3569		21,425.2106	21,425.2106	0.4107	0.3928	21,552.5299
Mobile	15.0355	74.1545	227.4138	1.1144	130.4218	0.5563	130.9781	34.6852	0.5156	35.2007		113,956.4992	113,956.4992	4.2969		114,063.9220
Total	**53.5599**	**92.1381**	**244.5716**	**1.2270**	**130.4218**	**2.1645**	**132.5863**	**34.6852**	**2.1238**	**36.8089**	**35.4098**	**135,510.0148**	**135,545.4246**	**4.8773**	**0.3951**	**135,785.1043**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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**

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	15.0355	74.1545	227.4138	1.1144	130.4218	0.5563	130.9781	34.6852	0.5156	35.2007		113,956.4992	113,956.4992	4.2969		114,063.9220
Unmitigated	15.0355	74.1545	227.4138	1.1144	130.4218	0.5563	130.9781	34.6852	0.5156	35.2007		113,956.4992	113,956.4992	4.2969		114,063.9220

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
General Light Industry	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Hospital	11,899.65	11,899.65	11899.65	61,940,069	61,940,069
Hotel	0.00	0.00	0.00		
Medical Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Research & Development	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	11,899.65	11,899.65	11,899.65	61,940,069	61,940,069

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
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Hospital	14.30	0.00	0.00	100.00	0.00	0.00	100	0	0
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Research & Development	16.60	8.40	6.90	33.00	48.00	19.00	82	15	3
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
General Light Industry	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
General Office Building	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
Hospital	0.622334	0.050426	0.243102	0.026012	0.003227	0.001554	0.005310	0.040482	0.000652	0.000393	0.006137	0.000177	0.000195
Hotel	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
Medical Office Building	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
Parking Lot	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
Research & Development	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
Unrefrigerated Warehouse-No Rail	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

Kilowatt Hours of Renewable Electricity Generated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.9640	17.8529	14.9869	0.1071		1.3569	1.3569		1.3569	1.3569		21,425.2106	21,425.2106	0.4107	0.3928	21,552.5299
NaturalGas Unmitigated	1.9640	17.8529	14.9869	0.1071		1.3569	1.3569		1.3569	1.3569		21,425.2106	21,425.2106	0.4107	0.3928	21,552.5299

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	248.312	2.6800e-003	0.0229	9.7400e-003	1.5000e-004		1.8500e-003	1.8500e-003		1.8500e-003	1.8500e-003		29.2131	29.2131	5.6000e-004	5.4000e-004	29.3867
General Light Industry	4009.31	0.0432	0.3931	0.3302	2.3600e-003		0.0299	0.0299		0.0299	0.0299		471.6836	471.6836	9.0400e-003	8.6500e-003	474.4865
General Office Building	2361.73	0.0255	0.2315	0.1945	1.3900e-003		0.0176	0.0176		0.0176	0.0176		277.8501	277.8501	5.3300e-003	5.0900e-003	279.5012
Hospital	142849	1.5405	14.0048	11.7640	0.0840		1.0644	1.0644		1.0644	1.0644		16,805.7188	16,805.7188	0.3221	0.3081	16,905.5868
Hotel	1286.69	0.0139	0.1262	0.1060	7.6000e-004		9.5900e-003	9.5900e-003		9.5900e-003	9.5900e-003		151.3756	151.3756	2.9000e-003	2.7800e-003	152.2752
Medical Office Building	6349.38	0.0685	0.6225	0.5229	3.7300e-003		0.0473	0.0473		0.0473	0.0473		746.9854	746.9854	0.0143	0.0137	751.4244
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	24841.5	0.2679	2.4354	2.0458	0.0146		0.1851	0.1851		0.1851	0.1851		2,922.5247	2,922.5247	0.0560	0.0536	2,939.8918
Unrefrigerated Warehouse-No Rail	168.805	1.8200e-003	0.0166	0.0139	1.0000e-004		1.2600e-003	1.2600e-003		1.2600e-003	1.2600e-003		19.8594	19.8594	3.8000e-004	3.6000e-004	19.9774
Total		**1.9640**	**17.8529**	**14.9869**	**0.1071**		**1.3569**	**1.3569**		**1.3569**	**1.3569**		**21,425.2106**	**21,425.2106**	**0.4107**	**0.3928**	**21,552.5299**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	0.248312	2.6800e-003	0.0229	9.7400e-003	1.5000e-004		1.8500e-003	1.8500e-003		1.8500e-003	1.8500e-003		29.2131	29.2131	5.6000e-004	5.4000e-004	29.3867
General Light Industry	4.00931	0.0432	0.3931	0.3302	2.3600e-003		0.0299	0.0299		0.0299	0.0299		471.6836	471.6836	9.0400e-003	8.6500e-003	474.4865
General Office Building	2.36173	0.0255	0.2315	0.1945	1.3900e-003		0.0176	0.0176		0.0176	0.0176		277.8501	277.8501	5.3300e-003	5.0900e-003	279.5012
Hospital	142.849	1.5405	14.0048	11.7640	0.0840		1.0644	1.0644		1.0644	1.0644		16,805.7188	16,805.7188	0.3221	0.3081	16,905.5868
Hotel	1.28669	0.0139	0.1262	0.1060	7.6000e-004		9.5900e-003	9.5900e-003		9.5900e-003	9.5900e-003		151.3756	151.3756	2.9000e-003	2.7800e-003	152.2752
Medical Office Building	6.34938	0.0685	0.6225	0.5229	3.7300e-003		0.0473	0.0473		0.0473	0.0473		746.9854	746.9854	0.0143	0.0137	751.4244
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	24.8415	0.2679	2.4354	2.0458	0.0146		0.1851	0.1851		0.1851	0.1851		2,922.5247	2,922.5247	0.0560	0.0536	2,939.8918
Unrefrigerated Warehouse-No Rail	0.168805	1.8200e-003	0.0166	0.0139	1.0000e-004		1.2600e-003	1.2600e-003		1.2600e-003	1.2600e-003		19.8594	19.8594	3.8000e-004	3.6000e-004	19.9774
Total		**1.9640**	**17.8529**	**14.9869**	**0.1071**		**1.3569**	**1.3569**		**1.3569**	**1.3569**		**21,425.2106**	**21,425.2106**	**0.4107**	**0.3928**	**21,552.5299**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	36.5605	0.1307	2.1709	5.4700e-003		0.2513	0.2513		0.2513	0.2513	35.4098	128.3051	163.7149	0.1697	2.3300e-003	168.6523
Unmitigated	36.5605	0.1307	2.1709	5.4700e-003		0.2513	0.2513		0.2513	0.2513	35.4098	128.3051	163.7149	0.1697	2.3300e-003	168.6523

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	4.1669					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	32.1902					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1736	0.1235	1.5130	5.4300e-003		0.2480	0.2480		0.2480	0.2480	35.4098	127.0588	162.4687	0.1680	2.3300e-003	167.3620
Landscaping	0.0298	7.1700e-003	0.6579	4.0000e-005		3.3300e-003	3.3300e-003		3.3300e-003	3.3300e-003		1.2462	1.2462	1.7600e-003		1.2903
Total	**36.5605**	**0.1307**	**2.1709**	**5.4700e-003**		**0.2513**	**0.2513**		**0.2513**	**0.2513**	**35.4098**	**128.3051**	**163.7149**	**0.1697**	**2.3300e-003**	**168.6523**

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	4.1669					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	32.1902					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1736	0.1235	1.5130	5.4300e-003		0.2480	0.2480		0.2480	0.2480	35.4098	127.0588	162.4687	0.1680	2.3300e-003	167.3620
Landscaping	0.0298	7.1700e-003	0.6579	4.0000e-005		3.3300e-003	3.3300e-003		3.3300e-003	3.3300e-003		1.2462	1.2462	1.7600e-003		1.2903
Total	**36.5605**	**0.1307**	**2.1709**	**5.4700e-003**		**0.2513**	**0.2513**		**0.2513**	**0.2513**	**35.4098**	**128.3051**	**163.7149**	**0.1697**	**2.3300e-003**	**168.6523**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Existing Operation -2035

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	69.30	1000sqft	16.17	69,295.00	0
Hospital	730.04	1000sqft	16.17	730,044.00	0
Medical Office Building	186.30	1000sqft	16.17	186,296.00	0
Research & Development	457.94	1000sqft	16.17	457,936.00	0
General Light Industry	73.91	1000sqft	1.70	73,909.00	0
Unrefrigerated Warehouse-No Rail	59.24	1000sqft	1.36	59,244.00	0
Parking Lot	31.97	Acre	31.97	1,392,800.00	0
Hotel	13.00	Room	16.17	18,168.00	0
Apartments Low Rise	6.00	Dwelling Unit	0.14	5,958.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2035
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - .

Land Use - Based on information provided by the Applicant. Number of rooms and DUs based on actual square footage and CalEEMod area per room/DU rate.

Construction Phase - Operation run only

Vehicle Trips - Trip generation and trip length based on information provided by Fehr & Peers. For purposes of this analysis, all trips are assigned to the Hospital land use.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - Assumes natural gas fireplaces for all units.

Energy Use - Assumes existing buildings built to meet the 2005 Building Energy Efficiency Standards.

Water And Wastewater - Based on water demand and wasteater information provided by KPFF. Assumes no septic tanks or facultive lagoons. Indoor and outdoor water proportioned evenly for purposes of this analysis.

Solid Waste - Based on solid waste generation as calculated in Chapter 5.16, Utilities and Service Systems.

Energy Mitigation -

Fleet Mix - Based on CalTrans vehicle mix for segment of Interstate 210 west of Interstate 605.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	200.00	1.00
tblFireplaces	NumberGas	5.10	6.00
tblFireplaces	NumberNoFireplace	0.60	0.00
tblFireplaces	NumberWood	0.30	0.00
tblFleetMix	FleetMixLandUseSubType	General Office Building	Apartments Low Rise
tblFleetMix	FleetMixLandUseSubType	Hospital	General Light Industry
tblFleetMix	FleetMixLandUseSubType	Medical Office Building	General Office Building
tblFleetMix	FleetMixLandUseSubType	Research & Development	Hospital
tblFleetMix	FleetMixLandUseSubType	General Light Industry	Hotel
tblFleetMix	FleetMixLandUseSubType	Unrefrigerated Warehouse-No Rail	Medical Office Building
tblFleetMix	FleetMixLandUseSubType	Hotel	Research & Development

tblFleetMix	FleetMixLandUseSubType	Apartments Low Rise	Unrefrigerated Warehouse-No Rail
tblFleetMix	HHD	0.04	0.04
tblFleetMix	LDA	0.54	0.62
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT2	0.21	0.24
tblFleetMix	LHD1	0.01	3.2270e-003
tblFleetMix	LHD2	6.4400e-003	1.5540e-003
tblFleetMix	MCY	5.3240e-003	6.1370e-003
tblFleetMix	MDV	0.12	0.03
tblFleetMix	MH	8.0700e-004	1.9500e-004
tblFleetMix	MHD	0.02	5.3100e-003
tblFleetMix	OBUS	2.7030e-003	6.5200e-004
tblFleetMix	SBUS	7.3200e-004	1.7700e-004
tblFleetMix	UBUS	1.6290e-003	3.9300e-004
tblLandUse	BuildingSpaceSquareFeet	69,300.00	69,295.00
tblLandUse	BuildingSpaceSquareFeet	730,040.00	730,044.00
tblLandUse	BuildingSpaceSquareFeet	186,300.00	186,296.00
tblLandUse	BuildingSpaceSquareFeet	457,940.00	457,936.00
tblLandUse	BuildingSpaceSquareFeet	73,910.00	73,909.00
tblLandUse	BuildingSpaceSquareFeet	59,240.00	59,244.00
tblLandUse	BuildingSpaceSquareFeet	1,392,613.20	1,392,800.00
tblLandUse	BuildingSpaceSquareFeet	18,876.00	18,168.00
tblLandUse	BuildingSpaceSquareFeet	6,000.00	5,958.00
tblLandUse	LandUseSquareFeet	69,300.00	69,295.00
tblLandUse	LandUseSquareFeet	730,040.00	730,044.00
tblLandUse	LandUseSquareFeet	186,300.00	186,296.00
tblLandUse	LandUseSquareFeet	457,940.00	457,936.00
tblLandUse	LandUseSquareFeet	73,910.00	73,909.00

tblLandUse	LandUseSquareFeet	59,240.00	59,244.00
tblLandUse	LandUseSquareFeet	1,392,613.20	1,392,800.00
tblLandUse	LandUseSquareFeet	18,876.00	18,168.00
tblLandUse	LandUseSquareFeet	6,000.00	5,958.00
tblLandUse	LotAcreage	1.59	16.17
tblLandUse	LotAcreage	16.76	16.17
tblLandUse	LotAcreage	4.28	16.17
tblLandUse	LotAcreage	10.51	16.17
tblLandUse	LotAcreage	0.43	16.17
tblLandUse	LotAcreage	0.38	0.14
tblLandUse	Population	17.00	0.00
tblProjectCharacteristics	OperationalYear	2018	2035
tblSolidWaste	SolidWasteGenerationRate	2.76	1,215.00
tblSolidWaste	SolidWasteGenerationRate	91.65	1,215.00
tblSolidWaste	SolidWasteGenerationRate	64.45	1,215.00
tblSolidWaste	SolidWasteGenerationRate	7,884.43	1,215.00
tblSolidWaste	SolidWasteGenerationRate	7.12	1,215.00
tblSolidWaste	SolidWasteGenerationRate	2,012.04	1,215.00
tblSolidWaste	SolidWasteGenerationRate	0.00	1,215.00
tblSolidWaste	SolidWasteGenerationRate	34.80	1,215.00
tblSolidWaste	SolidWasteGenerationRate	55.69	1,215.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	16.10	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	14.30
tblVehicleTrips	CW_TTP	64.90	100.00
tblVehicleTrips	DV_TP	25.00	0.00

tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PR_TP	73.00	100.00
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	10.18	16.30
tblVehicleTrips	ST_TR	8.19	0.00
tblVehicleTrips	ST_TR	8.96	0.00
tblVehicleTrips	ST_TR	1.90	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	8.91	16.30
tblVehicleTrips	SU_TR	5.95	0.00
tblVehicleTrips	SU_TR	1.55	0.00
tblVehicleTrips	SU_TR	1.11	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	13.22	16.30
tblVehicleTrips	WD_TR	8.17	0.00
tblVehicleTrips	WD_TR	36.13	0.00
tblVehicleTrips	WD_TR	8.11	0.00
tblVehicleTrips	WD_TR	1.68	0.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00

tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	390,924.15	18,804,435.00
tblWater	IndoorWaterUseRate	17,091,687.50	18,804,435.00
tblWater	IndoorWaterUseRate	12,316,948.74	18,804,435.00
tblWater	IndoorWaterUseRate	91,605,811.64	18,804,435.00
tblWater	IndoorWaterUseRate	329,768.01	18,804,435.00
tblWater	IndoorWaterUseRate	23,377,024.15	18,804,435.00
tblWater	IndoorWaterUseRate	225,166,326.18	18,804,435.00
tblWater	IndoorWaterUseRate	13,699,250.00	18,804,435.00
tblWater	OutdoorWaterUseRate	246,452.18	2,089,397.00
tblWater	OutdoorWaterUseRate	0.00	2,089,397.00
tblWater	OutdoorWaterUseRate	7,549,097.61	2,089,397.00
tblWater	OutdoorWaterUseRate	17,448,726.03	2,089,397.00
tblWater	OutdoorWaterUseRate	36,640.89	2,089,397.00
tblWater	OutdoorWaterUseRate	4,452,766.50	2,089,397.00

tblWater	OutdoorWaterUseRate	0.00	2,089,397.00
tblWater	OutdoorWaterUseRate	0.00	2,089,397.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

2.0 Emissions Summary

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	36.5605	0.1307	2.1709	5.4700e-003		0.2513	0.2513		0.2513	0.2513	35.4098	128.3051	163.7149	0.1697	2.3300e-003	168.6523
Energy	1.9640	17.8529	14.9869	0.1071		1.3569	1.3569		1.3569	1.3569		21,425.2106	21,425.2106	0.4107	0.3928	21,552.5299
Mobile	14.7227	75.4383	213.6800	1.0600	130.4218	0.5573	130.9791	34.6852	0.5165	35.2017		108,482.3553	108,482.3553	4.3120		108,590.1544
Total	**53.2471**	**93.4219**	**230.8378**	**1.1726**	**130.4218**	**2.1655**	**132.5873**	**34.6852**	**2.1248**	**36.8099**	**35.4098**	**130,035.8709**	**130,071.2808**	**4.8924**	**0.3951**	**130,311.3367**

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	36.5605	0.1307	2.1709	5.4700e-003		0.2513	0.2513		0.2513	0.2513	35.4098	128.3051	163.7149	0.1697	2.3300e-003	168.6523
Energy	1.9640	17.8529	14.9869	0.1071		1.3569	1.3569		1.3569	1.3569		21,425.2106	21,425.2106	0.4107	0.3928	21,552.5299
Mobile	14.7227	75.4383	213.6800	1.0600	130.4218	0.5573	130.9791	34.6852	0.5165	35.2017		108,482.3553	108,482.3553	4.3120		108,590.1544
Total	**53.2471**	**93.4219**	**230.8378**	**1.1726**	**130.4218**	**2.1655**	**132.5873**	**34.6852**	**2.1248**	**36.8099**	**35.4098**	**130,035.8709**	**130,071.2808**	**4.8924**	**0.3951**	**130,311.3367**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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**

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	14.7227	75.4383	213.6800	1.0600	130.4218	0.5573	130.9791	34.6852	0.5165	35.2017		108,482.3553	108,482.3553	4.3120		108,590.1544
Unmitigated	14.7227	75.4383	213.6800	1.0600	130.4218	0.5573	130.9791	34.6852	0.5165	35.2017		108,482.3553	108,482.3553	4.3120		108,590.1544

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
General Light Industry	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Hospital	11,899.65	11,899.65	11899.65	61,940,069	61,940,069
Hotel	0.00	0.00	0.00		
Medical Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Research & Development	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	11,899.65	11,899.65	11,899.65	61,940,069	61,940,069

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
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Hospital	14.30	0.00	0.00	100.00	0.00	0.00	100	0	0
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Research & Development	16.60	8.40	6.90	33.00	48.00	19.00	82	15	3
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
General Light Industry	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
General Office Building	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
Hospital	0.622334	0.050426	0.243102	0.026012	0.003227	0.001554	0.005310	0.040482	0.000652	0.000393	0.006137	0.000177	0.000195
Hotel	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
Medical Office Building	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
Parking Lot	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
Research & Development	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
Unrefrigerated Warehouse-No Rail	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

Kilowatt Hours of Renewable Electricity Generated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.9640	17.8529	14.9869	0.1071		1.3569	1.3569		1.3569	1.3569		21,425.2106	21,425.2106	0.4107	0.3928	21,552.5299
NaturalGas Unmitigated	1.9640	17.8529	14.9869	0.1071		1.3569	1.3569		1.3569	1.3569		21,425.2106	21,425.2106	0.4107	0.3928	21,552.5299

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	248.312	2.6800e-003	0.0229	9.7400e-003	1.5000e-004		1.8500e-003	1.8500e-003		1.8500e-003	1.8500e-003		29.2131	29.2131	5.6000e-004	5.4000e-004	29.3867
General Light Industry	4009.31	0.0432	0.3931	0.3302	2.3600e-003		0.0299	0.0299		0.0299	0.0299		471.6836	471.6836	9.0400e-003	8.6500e-003	474.4865
General Office Building	2361.73	0.0255	0.2315	0.1945	1.3900e-003		0.0176	0.0176		0.0176	0.0176		277.8501	277.8501	5.3300e-003	5.0900e-003	279.5012
Hospital	142849	1.5405	14.0048	11.7640	0.0840		1.0644	1.0644		1.0644	1.0644		16,805.7188	16,805.7188	0.3221	0.3081	16,905.5868
Hotel	1286.69	0.0139	0.1262	0.1060	7.6000e-004		9.5900e-003	9.5900e-003		9.5900e-003	9.5900e-003		151.3756	151.3756	2.9000e-003	2.7800e-003	152.2752
Medical Office Building	6349.38	0.0685	0.6225	0.5229	3.7300e-003		0.0473	0.0473		0.0473	0.0473		746.9854	746.9854	0.0143	0.0137	751.4244
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	24841.5	0.2679	2.4354	2.0458	0.0146		0.1851	0.1851		0.1851	0.1851		2,922.5247	2,922.5247	0.0560	0.0536	2,939.8918
Unrefrigerated Warehouse-No Rail	168.805	1.8200e-003	0.0166	0.0139	1.0000e-004		1.2600e-003	1.2600e-003		1.2600e-003	1.2600e-003		19.8594	19.8594	3.8000e-004	3.6000e-004	19.9774
Total		**1.9640**	**17.8529**	**14.9869**	**0.1071**		**1.3569**	**1.3569**		**1.3569**	**1.3569**		**21,425.2106**	**21,425.2106**	**0.4107**	**0.3928**	**21,552.5299**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	0.248312	2.6800e-003	0.0229	9.7400e-003	1.5000e-004		1.8500e-003	1.8500e-003		1.8500e-003	1.8500e-003		29.2131	29.2131	5.6000e-004	5.4000e-004	29.3867
General Light Industry	4.00931	0.0432	0.3931	0.3302	2.3600e-003		0.0299	0.0299		0.0299	0.0299		471.6836	471.6836	9.0400e-003	8.6500e-003	474.4865
General Office Building	2.36173	0.0255	0.2315	0.1945	1.3900e-003		0.0176	0.0176		0.0176	0.0176		277.8501	277.8501	5.3300e-003	5.0900e-003	279.5012
Hospital	142.849	1.5405	14.0048	11.7640	0.0840		1.0644	1.0644		1.0644	1.0644		16,805.7188	16,805.7188	0.3221	0.3081	16,905.5868
Hotel	1.28669	0.0139	0.1262	0.1060	7.6000e-004		9.5900e-003	9.5900e-003		9.5900e-003	9.5900e-003		151.3756	151.3756	2.9000e-003	2.7800e-003	152.2752
Medical Office Building	6.34938	0.0685	0.6225	0.5229	3.7300e-003		0.0473	0.0473		0.0473	0.0473		746.9854	746.9854	0.0143	0.0137	751.4244
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	24.8415	0.2679	2.4354	2.0458	0.0146		0.1851	0.1851		0.1851	0.1851		2,922.5247	2,922.5247	0.0560	0.0536	2,939.8918
Unrefrigerated Warehouse-No Rail	0.168805	1.8200e-003	0.0166	0.0139	1.0000e-004		1.2600e-003	1.2600e-003		1.2600e-003	1.2600e-003		19.8594	19.8594	3.8000e-004	3.6000e-004	19.9774
Total		**1.9640**	**17.8529**	**14.9869**	**0.1071**		**1.3569**	**1.3569**		**1.3569**	**1.3569**		**21,425.2106**	**21,425.2106**	**0.4107**	**0.3928**	**21,552.5299**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	36.5605	0.1307	2.1709	5.4700e-003		0.2513	0.2513		0.2513	0.2513	35.4098	128.3051	163.7149	0.1697	2.3300e-003	168.6523
Unmitigated	36.5605	0.1307	2.1709	5.4700e-003		0.2513	0.2513		0.2513	0.2513	35.4098	128.3051	163.7149	0.1697	2.3300e-003	168.6523

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	4.1669					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	32.1902					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1736	0.1235	1.5130	5.4300e-003		0.2480	0.2480		0.2480	0.2480	35.4098	127.0588	162.4687	0.1680	2.3300e-003	167.3620
Landscaping	0.0298	7.1700e-003	0.6579	4.0000e-005		3.3300e-003	3.3300e-003		3.3300e-003	3.3300e-003		1.2462	1.2462	1.7600e-003		1.2903
Total	**36.5605**	**0.1307**	**2.1709**	**5.4700e-003**		**0.2513**	**0.2513**		**0.2513**	**0.2513**	**35.4098**	**128.3051**	**163.7149**	**0.1697**	**2.3300e-003**	**168.6523**

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	4.1669					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	32.1902					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1736	0.1235	1.5130	5.4300e-003		0.2480	0.2480		0.2480	0.2480	35.4098	127.0588	162.4687	0.1680	2.3300e-003	167.3620
Landscaping	0.0298	7.1700e-003	0.6579	4.0000e-005		3.3300e-003	3.3300e-003		3.3300e-003	3.3300e-003		1.2462	1.2462	1.7600e-003		1.2903
Total	**36.5605**	**0.1307**	**2.1709**	**5.4700e-003**		**0.2513**	**0.2513**		**0.2513**	**0.2513**	**35.4098**	**128.3051**	**163.7149**	**0.1697**	**2.3300e-003**	**168.6523**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Existing Operation -2035

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	69.30	1000sqft	16.17	69,295.00	0
Hospital	730.04	1000sqft	16.17	730,044.00	0
Medical Office Building	186.30	1000sqft	16.17	186,296.00	0
Research & Development	457.94	1000sqft	16.17	457,936.00	0
General Light Industry	73.91	1000sqft	1.70	73,909.00	0
Unrefrigerated Warehouse-No Rail	59.24	1000sqft	1.36	59,244.00	0
Parking Lot	31.97	Acre	31.97	1,392,800.00	0
Hotel	13.00	Room	16.17	18,168.00	0
Apartments Low Rise	6.00	Dwelling Unit	0.14	5,958.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2035
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - .

Land Use - Based on information provided by the Applicant. Number of rooms and DUs based on actual square footage and CalEEMod area per room/DU rate.

Construction Phase - Operation run only

Vehicle Trips - Trip generation and trip length based on information provided by Fehr & Peers. For purposes of this analysis, all trips are assigned to the Hospital land use.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - Assumes natural gas fireplaces for all units.

Energy Use - Assumes existing buildings built to meet the 2005 Building Energy Efficiency Standards.

Water And Wastewater - Based on water demand and wasteater information provided by KPFF. Assumes no septic tanks or facultive lagoons. Indoor and outdoor water proportioned evenly for purposes of this analysis.

Solid Waste - Based on solid waste generation as calculated in Chapter 5.16, Utilities and Service Systems.

Energy Mitigation -

Fleet Mix - Based on CalTrans vehicle mix for segment of Interstate 210 west of Interstate 605.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	200.00	1.00
tblFireplaces	NumberGas	5.10	6.00
tblFireplaces	NumberNoFireplace	0.60	0.00
tblFireplaces	NumberWood	0.30	0.00
tblFleetMix	FleetMixLandUseSubType	General Office Building	Apartments Low Rise
tblFleetMix	FleetMixLandUseSubType	Hospital	General Light Industry
tblFleetMix	FleetMixLandUseSubType	Medical Office Building	General Office Building
tblFleetMix	FleetMixLandUseSubType	Research & Development	Hospital
tblFleetMix	FleetMixLandUseSubType	General Light Industry	Hotel
tblFleetMix	FleetMixLandUseSubType	Unrefrigerated Warehouse-No Rail	Medical Office Building
tblFleetMix	FleetMixLandUseSubType	Hotel	Research & Development

tblFleetMix	FleetMixLandUseSubType	Apartments Low Rise	Unrefrigerated Warehouse-No Rail
tblFleetMix	HHD	0.04	0.04
tblFleetMix	LDA	0.54	0.62
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT2	0.21	0.24
tblFleetMix	LHD1	0.01	3.2270e-003
tblFleetMix	LHD2	6.4400e-003	1.5540e-003
tblFleetMix	MCY	5.3240e-003	6.1370e-003
tblFleetMix	MDV	0.12	0.03
tblFleetMix	MH	8.0700e-004	1.9500e-004
tblFleetMix	MHD	0.02	5.3100e-003
tblFleetMix	OBUS	2.7030e-003	6.5200e-004
tblFleetMix	SBUS	7.3200e-004	1.7700e-004
tblFleetMix	UBUS	1.6290e-003	3.9300e-004
tblLandUse	BuildingSpaceSquareFeet	69,300.00	69,295.00
tblLandUse	BuildingSpaceSquareFeet	730,040.00	730,044.00
tblLandUse	BuildingSpaceSquareFeet	186,300.00	186,296.00
tblLandUse	BuildingSpaceSquareFeet	457,940.00	457,936.00
tblLandUse	BuildingSpaceSquareFeet	73,910.00	73,909.00
tblLandUse	BuildingSpaceSquareFeet	59,240.00	59,244.00
tblLandUse	BuildingSpaceSquareFeet	1,392,613.20	1,392,800.00
tblLandUse	BuildingSpaceSquareFeet	18,876.00	18,168.00
tblLandUse	BuildingSpaceSquareFeet	6,000.00	5,958.00
tblLandUse	LandUseSquareFeet	69,300.00	69,295.00
tblLandUse	LandUseSquareFeet	730,040.00	730,044.00
tblLandUse	LandUseSquareFeet	186,300.00	186,296.00
tblLandUse	LandUseSquareFeet	457,940.00	457,936.00
tblLandUse	LandUseSquareFeet	73,910.00	73,909.00

tblLandUse	LandUseSquareFeet	59,240.00	59,244.00
tblLandUse	LandUseSquareFeet	1,392,613.20	1,392,800.00
tblLandUse	LandUseSquareFeet	18,876.00	18,168.00
tblLandUse	LandUseSquareFeet	6,000.00	5,958.00
tblLandUse	LotAcreage	1.59	16.17
tblLandUse	LotAcreage	16.76	16.17
tblLandUse	LotAcreage	4.28	16.17
tblLandUse	LotAcreage	10.51	16.17
tblLandUse	LotAcreage	0.43	16.17
tblLandUse	LotAcreage	0.38	0.14
tblLandUse	Population	17.00	0.00
tblProjectCharacteristics	OperationalYear	2018	2035
tblSolidWaste	SolidWasteGenerationRate	2.76	1,215.00
tblSolidWaste	SolidWasteGenerationRate	91.65	1,215.00
tblSolidWaste	SolidWasteGenerationRate	64.45	1,215.00
tblSolidWaste	SolidWasteGenerationRate	7,884.43	1,215.00
tblSolidWaste	SolidWasteGenerationRate	7.12	1,215.00
tblSolidWaste	SolidWasteGenerationRate	2,012.04	1,215.00
tblSolidWaste	SolidWasteGenerationRate	0.00	1,215.00
tblSolidWaste	SolidWasteGenerationRate	34.80	1,215.00
tblSolidWaste	SolidWasteGenerationRate	55.69	1,215.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	16.10	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	14.30
tblVehicleTrips	CW_TTP	64.90	100.00
tblVehicleTrips	DV_TP	25.00	0.00

tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PR_TP	73.00	100.00
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	10.18	16.30
tblVehicleTrips	ST_TR	8.19	0.00
tblVehicleTrips	ST_TR	8.96	0.00
tblVehicleTrips	ST_TR	1.90	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	8.91	16.30
tblVehicleTrips	SU_TR	5.95	0.00
tblVehicleTrips	SU_TR	1.55	0.00
tblVehicleTrips	SU_TR	1.11	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	13.22	16.30
tblVehicleTrips	WD_TR	8.17	0.00
tblVehicleTrips	WD_TR	36.13	0.00
tblVehicleTrips	WD_TR	8.11	0.00
tblVehicleTrips	WD_TR	1.68	0.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00

tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	390,924.15	18,804,435.00
tblWater	IndoorWaterUseRate	17,091,687.50	18,804,435.00
tblWater	IndoorWaterUseRate	12,316,948.74	18,804,435.00
tblWater	IndoorWaterUseRate	91,605,811.64	18,804,435.00
tblWater	IndoorWaterUseRate	329,768.01	18,804,435.00
tblWater	IndoorWaterUseRate	23,377,024.15	18,804,435.00
tblWater	IndoorWaterUseRate	225,166,326.18	18,804,435.00
tblWater	IndoorWaterUseRate	13,699,250.00	18,804,435.00
tblWater	OutdoorWaterUseRate	246,452.18	2,089,397.00
tblWater	OutdoorWaterUseRate	0.00	2,089,397.00
tblWater	OutdoorWaterUseRate	7,549,097.61	2,089,397.00
tblWater	OutdoorWaterUseRate	17,448,726.03	2,089,397.00
tblWater	OutdoorWaterUseRate	36,640.89	2,089,397.00
tblWater	OutdoorWaterUseRate	4,452,766.50	2,089,397.00

tblWater	OutdoorWaterUseRate	0.00	2,089,397.00
tblWater	OutdoorWaterUseRate	0.00	2,089,397.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

2.0 Emissions Summary

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	6.6411	2.4400e-003	0.1012	7.0000e-005		3.5200e-003	3.5200e-003		3.5200e-003	3.5200e-003	0.4015	1.5821	1.9837	2.1000e-003	3.0000e-005	2.0442
Energy	0.3584	3.2582	2.7351	0.0196		0.2476	0.2476		0.2476	0.2476	0.0000	13,220.6296	13,220.6296	0.4674	0.1477	13,276.3158
Mobile	2.6368	13.9735	39.5237	0.1957	23.2740	0.1012	23.3752	6.1991	0.0938	6.2929	0.0000	18,164.5189	18,164.5189	0.7081	0.0000	18,182.2222
Waste						0.0000	0.0000		0.0000	0.0000	2,219.7062	0.0000	2,219.7062	131.1809	0.0000	5,499.2281
Water						0.0000	0.0000		0.0000	0.0000	53.2243	683.2919	736.5162	0.2114	0.1216	778.0327
Total	**9.6363**	**17.2341**	**42.3599**	**0.2153**	**23.2740**	**0.3524**	**23.6264**	**6.1991**	**0.3450**	**6.5441**	**2,273.3320**	**32,070.0226**	**34,343.3546**	**132.5699**	**0.2693**	**37,737.8429**

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	6.6411	2.4400e-003	0.1012	7.0000e-005		3.5200e-003	3.5200e-003		3.5200e-003	3.5200e-003	0.4015	1.5821	1.9837	2.1000e-003	3.0000e-005	2.0442
Energy	0.3584	3.2582	2.7351	0.0196		0.2476	0.2476		0.2476	0.2476	0.0000	13,220.2488	13,220.2488	0.4673	0.1477	13,275.9337
Mobile	2.6368	13.9735	39.5237	0.1957	23.2740	0.1012	23.3752	6.1991	0.0938	6.2929	0.0000	18,164.5189	18,164.5189	0.7081	0.0000	18,182.2222
Waste						0.0000	0.0000		0.0000	0.0000	2,219.7062	0.0000	2,219.7062	131.1809	0.0000	5,499.2281
Water						0.0000	0.0000		0.0000	0.0000	53.2243	683.2919	736.5162	0.2114	0.1216	778.0327
Total	**9.6363**	**17.2341**	**42.3599**	**0.2153**	**23.2740**	**0.3524**	**23.6264**	**6.1991**	**0.3450**	**6.5441**	**2,273.3320**	**32,069.6418**	**34,342.9738**	**132.5699**	**0.2693**	**37,737.4608**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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**

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	2.6368	13.9735	39.5237	0.1957	23.2740	0.1012	23.3752	6.1991	0.0938	6.2929	0.0000	18,164.5189	18,164.5189	0.7081	0.0000	18,182.2222
Unmitigated	2.6368	13.9735	39.5237	0.1957	23.2740	0.1012	23.3752	6.1991	0.0938	6.2929	0.0000	18,164.5189	18,164.5189	0.7081	0.0000	18,182.2222

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
General Light Industry	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Hospital	11,899.65	11,899.65	11899.65	61,940,069	61,940,069
Hotel	0.00	0.00	0.00		
Medical Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Research & Development	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	11,899.65	11,899.65	11,899.65	61,940,069	61,940,069

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
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Hospital	14.30	0.00	0.00	100.00	0.00	0.00	100	0	0
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Research & Development	16.60	8.40	6.90	33.00	48.00	19.00	82	15	3
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
General Light Industry	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
General Office Building	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
Hospital	0.622334	0.050426	0.243102	0.026012	0.003227	0.001554	0.005310	0.040482	0.000652	0.000393	0.006137	0.000177	0.000195
Hotel	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
Medical Office Building	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
Parking Lot	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
Research & Development	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
Unrefrigerated Warehouse-No Rail	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

Kilowatt Hours of Renewable Electricity Generated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	9,673.0649	9,673.0649	0.3994	0.0826	9,707.6706
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	9,673.4457	9,673.4457	0.3994	0.0826	9,708.0527
NaturalGas Mitigated	0.3584	3.2582	2.7351	0.0196		0.2476	0.2476		0.2476	0.2476	0.0000	3,547.1839	3,547.1839	0.0680	0.0650	3,568.2630
NaturalGas Unmitigated	0.3584	3.2582	2.7351	0.0196		0.2476	0.2476		0.2476	0.2476	0.0000	3,547.1839	3,547.1839	0.0680	0.0650	3,568.2630

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	90633.8	4.9000e-004	4.1800e-003	1.7800e-003	3.0000e-005		3.4000e-004	3.4000e-004		3.4000e-004	3.4000e-004	0.0000	4.8366	4.8366	9.0000e-005	9.0000e-005	4.8653
General Light Industry	1.4634e+006	7.8900e-003	0.0717	0.0603	4.3000e-004		5.4500e-003	5.4500e-003		5.4500e-003	5.4500e-003	0.0000	78.0925	78.0925	1.5000e-003	1.4300e-003	78.5566
General Office Building	862030	4.6500e-003	0.0423	0.0355	2.5000e-004		3.2100e-003	3.2100e-003		3.2100e-003	3.2100e-003	0.0000	46.0012	46.0012	8.8000e-004	8.4000e-004	46.2746
Hospital	5.21397e+007	0.2812	2.5559	2.1469	0.0153		0.1943	0.1943		0.1943	0.1943	0.0000	2,782.3752	2,782.3752	0.0533	0.0510	2,798.9095
Hotel	469643	2.5300e-003	0.0230	0.0193	1.4000e-004		1.7500e-003	1.7500e-003		1.7500e-003	1.7500e-003	0.0000	25.0619	25.0619	4.8000e-004	4.6000e-004	25.2109
Medical Office Building	2.31752e+006	0.0125	0.1136	0.0954	6.8000e-004		8.6300e-003	8.6300e-003		8.6300e-003	8.6300e-003	0.0000	123.6718	123.6718	2.3700e-003	2.2700e-003	124.4067
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	9.06713e+006	0.0489	0.4445	0.3734	2.6700e-003		0.0338	0.0338		0.0338	0.0338	0.0000	483.8567	483.8567	9.2700e-003	8.8700e-003	486.7321
Unrefrigerated Warehouse-No Rail	61613.8	3.3000e-004	3.0200e-003	2.5400e-003	2.0000e-005		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004	0.0000	3.2879	3.2879	6.0000e-005	6.0000e-005	3.3075
Total		**0.3584**	**3.2582**	**2.7351**	**0.0196**		**0.2476**	**0.2476**		**0.2476**	**0.2476**	**0.0000**	**3,547.1839**	**3,547.1839**	**0.0680**	**0.0650**	**3,568.2630**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	90633.8	4.9000e-004	4.1800e-003	1.7800e-003	3.0000e-005		3.4000e-004	3.4000e-004		3.4000e-004	3.4000e-004	0.0000	4.8366	4.8366	9.0000e-005	9.0000e-005	4.8653
General Light Industry	1.4634e+006	7.8900e-003	0.0717	0.0603	4.3000e-004		5.4500e-003	5.4500e-003		5.4500e-003	5.4500e-003	0.0000	78.0925	78.0925	1.5000e-003	1.4300e-003	78.5566
General Office Building	862030	4.6500e-003	0.0423	0.0355	2.5000e-004		3.2100e-003	3.2100e-003		3.2100e-003	3.2100e-003	0.0000	46.0012	46.0012	8.8000e-004	8.4000e-004	46.2746
Hospital	5.21397e+007	0.2812	2.5559	2.1469	0.0153		0.1943	0.1943		0.1943	0.1943	0.0000	2,782.3752	2,782.3752	0.0533	0.0510	2,798.9095
Hotel	469643	2.5300e-003	0.0230	0.0193	1.4000e-004		1.7500e-003	1.7500e-003		1.7500e-003	1.7500e-003	0.0000	25.0619	25.0619	4.8000e-004	4.6000e-004	25.2109
Medical Office Building	2.31752e+006	0.0125	0.1136	0.0954	6.8000e-004		8.6300e-003	8.6300e-003		8.6300e-003	8.6300e-003	0.0000	123.6718	123.6718	2.3700e-003	2.2700e-003	124.4067
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	9.06713e+006	0.0489	0.4445	0.3734	2.6700e-003		0.0338	0.0338		0.0338	0.0338	0.0000	483.8567	483.8567	9.2700e-003	8.8700e-003	486.7321
Unrefrigerated Warehouse-No Rail	61613.8	3.3000e-004	3.0200e-003	2.5400e-003	2.0000e-005		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004	0.0000	3.2879	3.2879	6.0000e-005	6.0000e-005	3.3075
Total		**0.3584**	**3.2582**	**2.7351**	**0.0196**		**0.2476**	**0.2476**		**0.2476**	**0.2476**	**0.0000**	**3,547.1839**	**3,547.1839**	**0.0680**	**0.0650**	**3,568.2630**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	22365.5	7.1261	2.9000e-004	6.0000e-005	7.1516
General Light Industry	926819	295.3044	0.0122	2.5200e-003	296.3608
General Office Building	1.05606e+006	336.4820	0.0139	2.8700e-003	337.6858
Hospital	1.81124e+007	5,770.9960	0.2383	0.0493	5,791.6419
Hotel	164602	52.4458	2.1700e-003	4.5000e-004	52.6334
Medical Office Building	2.83915e+006	904.6144	0.0374	7.7300e-003	907.8506
Parking Lot	1.22566e+006	390.5228	0.0161	3.3400e-003	391.9199
Research & Development	5.74252e+006	1,829.6891	0.0755	0.0156	1,836.2349
Unrefrigerated Warehouse-No Rail	270745	86.2652	3.5600e-003	7.4000e-004	86.5738
Total		**9,673.4457**	**0.3994**	**0.0826**	**9,708.0527**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	22232.8	7.0838	2.9000e-004	6.0000e-005	7.1092
General Light Industry	926686	295.2620	0.0122	2.5200e-003	296.3184
General Office Building	1.05592e+006	336.4397	0.0139	2.8700e-003	337.6433
Hospital	1.81123e+007	5,770.9537	0.2383	0.0493	5,791.5995
Hotel	164469	52.4034	2.1600e-003	4.5000e-004	52.5909
Medical Office Building	2.83902e+006	904.5720	0.0373	7.7300e-003	907.8082
Parking Lot	1.22553e+006	390.4805	0.0161	3.3400e-003	391.8775
Research & Development	5.74238e+006	1,829.6468	0.0755	0.0156	1,836.1924
Unrefrigerated Warehouse-No Rail	270612	86.2229	3.5600e-003	7.4000e-004	86.5313
Total		**9,673.0649**	**0.3993**	**0.0826**	**9,707.6706**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	6.6411	2.4400e-003	0.1012	7.0000e-005		3.5200e-003	3.5200e-003		3.5200e-003	3.5200e-003	0.4015	1.5821	1.9837	2.1000e-003	3.0000e-005	2.0442
Unmitigated	6.6411	2.4400e-003	0.1012	7.0000e-005		3.5200e-003	3.5200e-003		3.5200e-003	3.5200e-003	0.4015	1.5821	1.9837	2.1000e-003	3.0000e-005	2.0442

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.7605					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.8747					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	2.1700e-003	1.5400e-003	0.0189	7.0000e-005		3.1000e-003	3.1000e-003		3.1000e-003	3.1000e-003	0.4015	1.4408	1.8424	1.9000e-003	3.0000e-005	1.8979
Landscaping	3.7300e-003	9.0000e-004	0.0822	0.0000		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004	0.0000	0.1413	0.1413	2.0000e-004	0.0000	0.1463
Total	**6.6411**	**2.4400e-003**	**0.1012**	**7.0000e-005**		**3.5200e-003**	**3.5200e-003**		**3.5200e-003**	**3.5200e-003**	**0.4015**	**1.5821**	**1.9837**	**2.1000e-003**	**3.0000e-005**	**2.0442**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.7605					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.8747					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	2.1700e-003	1.5400e-003	0.0189	7.0000e-005		3.1000e-003	3.1000e-003		3.1000e-003	3.1000e-003	0.4015	1.4408	1.8424	1.9000e-003	3.0000e-005	1.8979
Landscaping	3.7300e-003	9.0000e-004	0.0822	0.0000		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004	0.0000	0.1413	0.1413	2.0000e-004	0.0000	0.1463
Total	**6.6411**	**2.4400e-003**	**0.1012**	**7.0000e-005**		**3.5200e-003**	**3.5200e-003**		**3.5200e-003**	**3.5200e-003**	**0.4015**	**1.5821**	**1.9837**	**2.1000e-003**	**3.0000e-005**	**2.0442**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	736.5162	0.2114	0.1216	778.0327
Unmitigated	736.5162	0.2114	0.1216	778.0327

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
General Light Industry	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
General Office Building	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Hospital	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Hotel	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Medical Office Building	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Research & Development	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Unrefrigerated Warehouse-No Rail	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Total		**736.5162**	**0.2114**	**0.1216**	**778.0327**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
General Light Industry	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
General Office Building	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Hospital	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Hotel	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Medical Office Building	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Research & Development	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Unrefrigerated Warehouse-No Rail	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Total		**736.5162**	**0.2114**	**0.1216**	**778.0327**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	2,219.7062	131.1809	0.0000	5,499.2281
Unmitigated	2,219.7062	131.1809	0.0000	5,499.2281

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	1215	246.6340	14.5757	0.0000	611.0254
General Light Industry	1215	246.6340	14.5757	0.0000	611.0254
General Office Building	1215	246.6340	14.5757	0.0000	611.0254
Hospital	1215	246.6340	14.5757	0.0000	611.0254
Hotel	1215	246.6340	14.5757	0.0000	611.0254
Medical Office Building	1215	246.6340	14.5757	0.0000	611.0254
Parking Lot	1215	246.6340	14.5757	0.0000	611.0254
Research & Development	1215	246.6340	14.5757	0.0000	611.0254
Unrefrigerated Warehouse-No Rail	1215	246.6340	14.5757	0.0000	611.0254
Total		**2,219.7062**	**131.1809**	**0.0000**	**5,499.2282**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	1215	246.6340	14.5757	0.0000	611.0254
General Light Industry	1215	246.6340	14.5757	0.0000	611.0254
General Office Building	1215	246.6340	14.5757	0.0000	611.0254
Hospital	1215	246.6340	14.5757	0.0000	611.0254
Hotel	1215	246.6340	14.5757	0.0000	611.0254
Medical Office Building	1215	246.6340	14.5757	0.0000	611.0254
Parking Lot	1215	246.6340	14.5757	0.0000	611.0254
Research & Development	1215	246.6340	14.5757	0.0000	611.0254
Unrefrigerated Warehouse-No Rail	1215	246.6340	14.5757	0.0000	611.0254
Total		**2,219.7062**	**131.1809**	**0.0000**	**5,499.2282**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Existing Operation -2035

Los Angeles-South Coast, Summary Report

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	69.30	1000sqft	16.17	69,295.00	0
Hospital	730.04	1000sqft	16.17	730,044.00	0
Medical Office Building	186.30	1000sqft	16.17	186,296.00	0
Research & Development	457.94	1000sqft	16.17	457,936.00	0
General Light Industry	73.91	1000sqft	1.70	73,909.00	0
Unrefrigerated Warehouse-No Rail	59.24	1000sqft	1.36	59,244.00	0
Parking Lot	31.97	Acre	31.97	1,392,800.00	0
Hotel	13.00	Room	16.17	18,168.00	0
Apartments Low Rise	6.00	Dwelling Unit	0.14	5,958.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2035
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments

Only CalEEMod defaults were used.

Project Characteristics - .

Land Use - Based on information provided by the Applicant. Number of rooms and DUs based on actual square footage and CalEEMod area per room/DU rate.

Construction Phase - Operation run only

Vehicle Trips - Trip generation and trip length based on information provided by Fehr & Peers. For purposes of this analysis, all trips are assigned to the Hospital land use.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - Assumes natural gas fireplaces for all units.

Energy Use - Assumes existing buildings built to meet the 2005 Building Energy Efficiency Standards.

Water And Wastewater - Based on water demand and wasteater information provided by KPFF. Assumes no septic tanks or facultive lagoons. Indoor and outdoor water proportioned evenly for purposes of this analysis.

Solid Waste - Based on solid waste generation as calculated in Chapter 5.16, Utilities and Service Systems.

Energy Mitigation -

Fleet Mix - Based on CalTrans vehicle mix for segment of Interstate 210 west of Interstate 605.

2.0 Peak Daily Emissions

Peak Daily Operational Emissions

Peak Daily Operational Emissions

		Unmitigated						Mitigated					
		ROG	NOX	CO	SO2	PM10	PM2.5	ROG	NOX	CO	SO2	PM10	PM2.5
	Operational Activity	lb/day											
On-Site	Area	36.5605 S	0.1307 S	2.1709 S	5.4700e-003 S	0.2513 S	0.2513 S	36.5605 S	0.1307 S	2.1709 S	5.4700e-003 S	0.2513 S	0.2513 S
On-Site	Energy	1.9640 S	17.8529 S	14.9869 S	0.1071 S	1.3569 S	1.3569 S	1.9640 S	17.8529 S	14.9869 S	0.1071 S	1.3569 S	1.3569 S
Off-Site	Mobile	15.0355 S	75.4383 W	227.4138 S	1.1144 S	130.9791 W	35.2017 W	15.0355 S	75.4383 W	227.4138 S	1.1144 S	130.9791 W	35.2017 W
	Peak Daily Total	53.5599 S	93.4219 W	244.5716 S	1.2270 S	132.5873 W	36.8099 W	53.5599 S	93.4219 W	244.5716 S	1.2270 S	132.5873 W	36.8099 W
	Air District Threshold												
	Exceed Significance?												

3.0 Annual GHG Emissions

Annual GHG

Annual GHG

		Unmitigated				Mitigated			
		CO2	CH4	N2O	CO2e	CO2	CH4	N2O	CO2e
GHG Activity	Year	MT/yr							
Operational	2035	34,343.3546	132.5699	0.2693	37,737.8438	34,342.9738	132.5698	0.2693	37,737.4599
	Total								
	Significance Threshold								
	Exceed Significance?								

Existing Operation -2035

Los Angeles-South Coast County, Mitigation Report

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting:

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value 3
No	Land Use	Increase Density	0.00			
No	Land Use	Increase Diversity	0.12	0.35		
No	Land Use	Improve Walkability Design	0.00			
No	Land Use	Improve Destination Accessibility	0.00			
No	Land Use	Increase Transit Accessibility	0.25			

No	Land Use	Integrate Below Market Rate Housing	0.00			
	Land Use	Land Use SubTotal	0.00			
No	Neighborhood Enhancements	Improve Pedestrian Network				
No	Neighborhood Enhancements	Provide Traffic Calming Measures				
No	Neighborhood Enhancements	Implement NEV Network	0.00			
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00			
No	Parking Policy Pricing	Limit Parking Supply	0.00			
No	Parking Policy Pricing	Unbundle Parking Costs	0.00			
No	Parking Policy Pricing	On-street Market Pricing	0.00			
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00			
No	Transit Improvements	Provide BRT System	0.00			
No	Transit Improvements	Expand Transit Network	0.00			
No	Transit Improvements	Increase Transit Frequency	0.00			
	Transit Improvements	Transit Improvements Subtotal	0.00			
		Land Use and Site Enhancement Subtotal	0.00			
No	Commute	Implement Trip Reduction Program				
No	Commute	Transit Subsidy				
No	Commute	Implement Employee Parking "Cash Out"				
No	Commute	Workplace Parking Charge				
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00			
No	Commute	Market Commute Trip Reduction Option	0.00			
No	Commute	Employee Vanpool/Shuttle	0.00		2.00	
No	Commute	Provide Ride Sharing Program				
	Commute	Commute Subtotal	0.00			
No	School Trip	Implement School Bus Program	0.00			
		Total VMT Reduction	0.00			

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
No	No Hearth	
No	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	50.00
No	Use Low VOC Paint (Residential Exterior)	50.00
No	Use Low VOC Paint (Non-residential Interior)	100.00
No	Use Low VOC Paint (Non-residential Exterior)	100.00
No	Use Low VOC Paint (Parking)	100.00
No	% Electric Lawnmower	
No	% Electric Leafblower	
No	% Electric Chainsaw	

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Exceed Title 24		
No	Install High Efficiency Lighting		
Yes	On-site Renewable	1,195.00	

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Apply Water Conservation on Strategy		
No	Use Reclaimed Water		
No	Use Grey Water		
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction		
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape		

Solid Waste Mitigation

Mitigation Measures	Input Value
Institute Recycling and Composting Services	
Percent Reduction in Waste Disposed	

CalEEMod Output: Operation – Existing Remaining (Phase 1)

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Phase 1_Existing Remaining

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	69.30	1000sqft	1.59	69,295.00	0
Hospital	700.04	1000sqft	18.05	700,044.00	0
Medical Office Building	141.80	1000sqft	18.05	141,796.00	0
Research & Development	434.44	1000sqft	18.05	434,436.00	0
General Light Industry	73.91	1000sqft	1.70	73,909.00	0
Refrigerated Warehouse-No Rail	59.24	1000sqft	1.36	59,244.00	0
Parking Lot	25.45	Acre	25.45	1,108,400.00	0
Hotel	13.00	Room	18.05	18,168.00	0
Apartments Low Rise	6.00	Dwelling Unit	0.14	5,958.00	17

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on information provided.

Vehicle Trips - Trip generation rate and trip distance based on information provided by Fehr & Peers. For purposes of this analysis, all trips assigned to the Hospital land use.
Woodstoves - Assumes all natural gas fireplaces.

Area Coating - Based on land use amount for surface parking lot and CalEEMod methodology to calculate paintable surface area.

Energy Use -

Water And Wastewater - Based on information provided by KPFF. Assumes no septic tanks of facultive lagoons. Assumes proportion indoor/outdoor water use for land uses for purposes of this analysis.
Solid Waste - Based on information provided in Chapter 5.16, Utilities and Service Systems, of the DEIR.

Fleet Mix - Based on Caltrans vehicle mix data for the segment of Interstate 210 west of Interstate 605.

Construction Phase -

Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblFireplaces	NumberGas	5.10	6.00
tblFireplaces	NumberNoFireplace	0.60	0.00
tblFireplaces	NumberWood	0.30	0.00
tblFleetMix	HHD	0.03	0.04
tblFleetMix	LDA	0.55	0.63
tblFleetMix	LDT1	0.05	0.05
tblFleetMix	LDT2	0.20	0.23
tblFleetMix	LHD1	0.02	3.8420e-003
tblFleetMix	LHD2	6.1430e-003	1.4620e-003
tblFleetMix	MCY	5.0780e-003	5.8510e-003
tblFleetMix	MDV	0.12	0.03
tblFleetMix	MH	8.9100e-004	2.1200e-004
tblFleetMix	MHD	0.02	4.6980e-003
tblFleetMix	OBUS	2.4790e-003	5.9000e-004

tblFleetMix	SBUS	6.8200e-004	1.6200e-004
tblFleetMix	UBUS	2.2700e-003	5.4000e-004
tblLandUse	BuildingSpaceSquareFeet	69,300.00	69,295.00
tblLandUse	BuildingSpaceSquareFeet	700,040.00	700,044.00
tblLandUse	BuildingSpaceSquareFeet	141,800.00	141,796.00
tblLandUse	BuildingSpaceSquareFeet	434,440.00	434,436.00
tblLandUse	BuildingSpaceSquareFeet	73,910.00	73,909.00
tblLandUse	BuildingSpaceSquareFeet	59,240.00	59,244.00
tblLandUse	BuildingSpaceSquareFeet	1,108,602.00	1,108,400.00
tblLandUse	BuildingSpaceSquareFeet	18,876.00	18,168.00
tblLandUse	BuildingSpaceSquareFeet	6,000.00	5,958.00
tblLandUse	LandUseSquareFeet	69,300.00	69,295.00
tblLandUse	LandUseSquareFeet	700,040.00	700,044.00
tblLandUse	LandUseSquareFeet	141,800.00	141,796.00
tblLandUse	LandUseSquareFeet	434,440.00	434,436.00
tblLandUse	LandUseSquareFeet	73,910.00	73,909.00
tblLandUse	LandUseSquareFeet	59,240.00	59,244.00
tblLandUse	LandUseSquareFeet	1,108,602.00	1,108,400.00
tblLandUse	LandUseSquareFeet	18,876.00	18,168.00
tblLandUse	LandUseSquareFeet	6,000.00	5,958.00
tblLandUse	LotAcreage	16.07	18.05
tblLandUse	LotAcreage	3.26	18.05
tblLandUse	LotAcreage	9.97	18.05
tblLandUse	LotAcreage	0.43	18.05
tblLandUse	LotAcreage	0.38	0.14
tblProjectCharacteristics	OperationalYear	2018	2021
tblSolidWaste	SolidWasteGenerationRate	2.76	7.00
tblSolidWaste	SolidWasteGenerationRate	91.65	178.00

tblSolidWaste	SolidWasteGenerationRate	64.45	167.00
tblSolidWaste	SolidWasteGenerationRate	7,560.43	7,538.00
tblSolidWaste	SolidWasteGenerationRate	7.12	60.00
tblSolidWaste	SolidWasteGenerationRate	1,531.44	155.00
tblSolidWaste	SolidWasteGenerationRate	55.69	154.00
tblSolidWaste	SolidWasteGenerationRate	33.01	1,031.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	16.10	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	14.30
tblVehicleTrips	CW_TTP	64.90	100.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PR_TP	73.00	100.00
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	10.18	11.23
tblVehicleTrips	ST_TR	8.19	0.00
tblVehicleTrips	ST_TR	8.96	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	ST_TR	1.90	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	8.91	11.23
tblVehicleTrips	SU_TR	5.95	0.00

tblVehicleTrips	SU_TR	1.55	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	SU_TR	1.11	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	13.22	11.23
tblVehicleTrips	WD_TR	8.17	0.00
tblVehicleTrips	WD_TR	36.13	0.00
tblVehicleTrips	WD_TR	1.68	0.00
tblVehicleTrips	WD_TR	8.11	0.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	390,924.15	17,509,321.00

tblWater	IndoorWaterUseRate	17,091,687.50	17,509,321.00
tblWater	IndoorWaterUseRate	12,316,948.74	17,509,321.00
tblWater	IndoorWaterUseRate	87,841,395.51	17,509,321.00
tblWater	IndoorWaterUseRate	329,768.01	17,509,321.00
tblWater	IndoorWaterUseRate	17,793,140.23	17,509,321.00
tblWater	IndoorWaterUseRate	13,699,250.00	17,509,321.00
tblWater	IndoorWaterUseRate	213,611,518.42	17,509,321.00
tblWater	OutdoorWaterUseRate	246,452.18	1,928,528.00
tblWater	OutdoorWaterUseRate	0.00	1,928,528.00
tblWater	OutdoorWaterUseRate	7,549,097.61	1,928,528.00
tblWater	OutdoorWaterUseRate	16,731,694.38	1,928,528.00
tblWater	OutdoorWaterUseRate	36,640.89	1,928,528.00
tblWater	OutdoorWaterUseRate	3,389,169.57	1,928,528.00
tblWater	OutdoorWaterUseRate	0.00	1,928,528.00
tblWater	OutdoorWaterUseRate	0.00	1,928,528.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	0.30	0.00
tblWoodstoves	NumberNoncatalytic	0.30	0.00

2.0 Emissions Summary

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	34.0866	0.1067	0.6939	6.7000e-004		0.0113	0.0113		0.0113	0.0113	0.0000	128.2822	128.2822	4.1800e-003	2.3300e-003	129.0809
Energy	1.8708	17.0058	14.2754	0.1020		1.2926	1.2926		1.2926	1.2926		20,408.6825	20,408.6825	0.3912	0.3742	20,529.9611
Mobile	17.9364	93.1928	282.6605	1.0171	86.1808	0.8109	86.9917	22.9227	0.7554	23.6780		103,204.8455	103,204.8455	4.5297		103,318.0867
Total	**53.8938**	**110.3052**	**297.6298**	**1.1198**	**86.1808**	**2.1148**	**88.2956**	**22.9227**	**2.0592**	**24.9819**	**0.0000**	**123,741.8102**	**123,741.8102**	**4.9250**	**0.3765**	**123,977.1287**

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	34.0866	0.1067	0.6939	6.7000e-004		0.0113	0.0113		0.0113	0.0113	0.0000	128.2822	128.2822	4.1800e-003	2.3300e-003	129.0809
Energy	1.8708	17.0058	14.2754	0.1020		1.2926	1.2926		1.2926	1.2926		20,408.6825	20,408.6825	0.3912	0.3742	20,529.9611
Mobile	17.9364	93.1928	282.6605	1.0171	86.1808	0.8109	86.9917	22.9227	0.7554	23.6780		103,204.8455	103,204.8455	4.5297		103,318.0867
Total	**53.8938**	**110.3052**	**297.6298**	**1.1198**	**86.1808**	**2.1148**	**88.2956**	**22.9227**	**2.0592**	**24.9819**	**0.0000**	**123,741.8102**	**123,741.8102**	**4.9250**	**0.3765**	**123,977.1287**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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**

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	17.9364	93.1928	282.6605	1.0171	86.1808	0.8109	86.9917	22.9227	0.7554	23.6780		103,204.8	103,204.84	4.5297		103,318.0
Unmitigated	17.9364	93.1928	282.6605	1.0171	86.1808	0.8109	86.9917	22.9227	0.7554	23.6780		103,204.8	103,204.84	4.5297		103,318.0

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
General Light Industry	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Hospital	7,861.45	7,861.45	7861.45	40,920,415	40,920,415
Hotel	0.00	0.00	0.00		
Medical Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	0.00	0.00	0.00		
Research & Development	0.00	0.00	0.00		
Total	7,861.45	7,861.45	7,861.45	40,920,415	40,920,415

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
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Hospital	14.30	0.00	0.00	100.00	0.00	0.00	100	0	0
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3
Research & Development	16.60	8.40	6.90	33.00	48.00	19.00	82	15	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Hospital	0.630489	0.052054	0.233606	0.026012	0.003842	0.001462	0.004698	0.040482	0.000590	0.000540	0.005851	0.000162	0.000212
Medical Office Building	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Research & Development	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
General Light Industry	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Refrigerated Warehouse-No Rail	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Parking Lot	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Hotel	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Apartments Low Rise	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

Kilowatt Hours of Renewable Electricity Generated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.8708	17.0058	14.2754	0.1020		1.2926	1.2926		1.2926	1.2926		20,408.6825	20,408.6825	0.3912	0.3742	20,529.9611
NaturalGas Unmitigated	1.8708	17.0058	14.2754	0.1020		1.2926	1.2926		1.2926	1.2926		20,408.6825	20,408.6825	0.3912	0.3742	20,529.9611

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day											lb/day				
Apartments Low Rise	248.312	2.6800e-003	0.0229	9.7400e-003	1.5000e-004		1.8500e-003	1.8500e-003		1.8500e-003	1.8500e-003		29.2131	29.2131	5.6000e-004	5.4000e-004	29.3867
General Light Industry	4009.31	0.0432	0.3931	0.3302	2.3600e-003		0.0299	0.0299		0.0299	0.0299		471.6836	471.6836	9.0400e-003	8.6500e-003	474.4865
General Office Building	2361.73	0.0255	0.2315	0.1945	1.3900e-003		0.0176	0.0176		0.0176	0.0176		277.8501	277.8501	5.3300e-003	5.0900e-003	279.5012
Hospital	136978	1.4772	13.4293	11.2806	0.0806		1.0206	1.0206		1.0206	1.0206		16,115.1144	16,115.1144	0.3089	0.2954	16,210.8785
Hotel	1286.69	0.0139	0.1262	0.1060	7.6000e-004		9.5900e-003	9.5900e-003		9.5900e-003	9.5900e-003		151.3756	151.3756	2.9000e-003	2.7800e-003	152.2752
Medical Office Building	4832.72	0.0521	0.4738	0.3980	2.8400e-003		0.0360	0.0360		0.0360	0.0360		568.5551	568.5551	0.0109	0.0104	571.9338
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	189.905	2.0500e-003	0.0186	0.0156	1.1000e-004		1.4100e-003	1.4100e-003		1.4100e-003	1.4100e-003		22.3418	22.3418	4.3000e-004	4.1000e-004	22.4746
Research & Development	23566.7	0.2542	2.3105	1.9408	0.0139		0.1756	0.1756		0.1756	0.1756		2,772.5489	2,772.5489	0.0531	0.0508	2,789.0247
Total		**1.8708**	**17.0058**	**14.2754**	**0.1021**		**1.2925**	**1.2925**		**1.2925**	**1.2925**		**20,408.6825**	**20,408.6825**	**0.3912**	**0.3742**	**20,529.9611**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	0.248312	2.6800e-003	0.0229	9.7400e-003	1.5000e-004		1.8500e-003	1.8500e-003		1.8500e-003	1.8500e-003		29.2131	29.2131	5.6000e-004	5.4000e-004	29.3867
General Light Industry	4.00931	0.0432	0.3931	0.3302	2.3600e-003		0.0299	0.0299		0.0299	0.0299		471.6836	471.6836	9.0400e-003	8.6500e-003	474.4865
General Office Building	2.36173	0.0255	0.2315	0.1945	1.3900e-003		0.0176	0.0176		0.0176	0.0176		277.8501	277.8501	5.3300e-003	5.0900e-003	279.5012
Hospital	136.978	1.4772	13.4293	11.2806	0.0806		1.0206	1.0206		1.0206	1.0206		16,115.1144	16,115.1144	0.3089	0.2954	16,210.8785
Hotel	1.28669	0.0139	0.1262	0.1060	7.6000e-004		9.5900e-003	9.5900e-003		9.5900e-003	9.5900e-003		151.3756	151.3756	2.9000e-003	2.7800e-003	152.2752
Medical Office Building	4.83272	0.0521	0.4738	0.3980	2.8400e-003		0.0360	0.0360		0.0360	0.0360		568.5551	568.5551	0.0109	0.0104	571.9338
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0.189905	2.0500e-003	0.0186	0.0156	1.1000e-004		1.4100e-003	1.4100e-003		1.4100e-003	1.4100e-003		22.3418	22.3418	4.3000e-004	4.1000e-004	22.4746
Research & Development	23.5667	0.2542	2.3105	1.9408	0.0139		0.1756	0.1756		0.1756	0.1756		2,772.5489	2,772.5489	0.0531	0.0508	2,789.0247
Total		**1.8708**	**17.0058**	**14.2754**	**0.1021**		**1.2925**	**1.2925**		**1.2925**	**1.2925**		**20,408.6825**	**20,408.6825**	**0.3912**	**0.3742**	**20,529.9611**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	34.0866	0.1067	0.6939	6.7000e-004		0.0113	0.0113		0.0113	0.0113	0.0000	128.2822	128.2822	4.1800e-003	2.3300e-003	129.0809
Unmitigated	34.0866	0.1067	0.6939	6.7000e-004		0.0113	0.0113		0.0113	0.0113	0.0000	128.2822	128.2822	4.1800e-003	2.3300e-003	129.0809

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	3.8964					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	30.1490					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0117	0.0995	0.0424	6.4000e-004		8.0500e-003	8.0500e-003		8.0500e-003	8.0500e-003	0.0000	127.0588	127.0588	2.4400e-003	2.3300e-003	127.8139
Landscaping	0.0296	7.1500e-003	0.6516	4.0000e-005		3.2900e-003	3.2900e-003		3.2900e-003	3.2900e-003		1.2234	1.2234	1.7500e-003		1.2670
Total	**34.0866**	**0.1067**	**0.6939**	**6.8000e-004**		**0.0113**	**0.0113**		**0.0113**	**0.0113**	**0.0000**	**128.2822**	**128.2822**	**4.1900e-003**	**2.3300e-003**	**129.0809**

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	3.8964					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	30.1490					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0117	0.0995	0.0424	6.4000e-004		8.0500e-003	8.0500e-003		8.0500e-003	8.0500e-003	0.0000	127.0588	127.0588	2.4400e-003	2.3300e-003	127.8139
Landscaping	0.0296	7.1500e-003	0.6516	4.0000e-005		3.2900e-003	3.2900e-003		3.2900e-003	3.2900e-003		1.2234	1.2234	1.7500e-003		1.2670
Total	**34.0866**	**0.1067**	**0.6939**	**6.8000e-004**		**0.0113**	**0.0113**		**0.0113**	**0.0113**	**0.0000**	**128.2822**	**128.2822**	**4.1900e-003**	**2.3300e-003**	**129.0809**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Phase 1_Existing Remaining

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	69.30	1000sqft	1.59	69,295.00	0
Hospital	700.04	1000sqft	18.05	700,044.00	0
Medical Office Building	141.80	1000sqft	18.05	141,796.00	0
Research & Development	434.44	1000sqft	18.05	434,436.00	0
General Light Industry	73.91	1000sqft	1.70	73,909.00	0
Refrigerated Warehouse-No Rail	59.24	1000sqft	1.36	59,244.00	0
Parking Lot	25.45	Acre	25.45	1,108,400.00	0
Hotel	13.00	Room	18.05	18,168.00	0
Apartments Low Rise	6.00	Dwelling Unit	0.14	5,958.00	17

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on information provided.

Vehicle Trips - Trip generation rate and trip distance based on information provided by Fehr & Peers. For purposes of this analysis, all trips assigned to the Hospital land use.

Woodstoves - Assumes all natural gas fireplaces.

Area Coating - Based on land use amount for surface parking lot and CalEEMod methodology to calculate paintable surface area.

Energy Use -

Water And Wastewater - Based on information provided by KPFF. Assumes no septic tanks of facultive lagoons. Assumes proportion indoor/outdoor water use for land uses for purposes of this analysis.

Solid Waste - Based on information provided in Chapter 5.16, Utilities and Service Systems, of the DEIR.

Fleet Mix - Based on Caltrans vehicle mix data for the segment of Interstate 210 west of Interstate 605.

Construction Phase -

Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblFireplaces	NumberGas	5.10	6.00
tblFireplaces	NumberNoFireplace	0.60	0.00
tblFireplaces	NumberWood	0.30	0.00
tblFleetMix	HHD	0.03	0.04
tblFleetMix	LDA	0.55	0.63
tblFleetMix	LDT1	0.05	0.05
tblFleetMix	LDT2	0.20	0.23
tblFleetMix	LHD1	0.02	3.8420e-003
tblFleetMix	LHD2	6.1430e-003	1.4620e-003
tblFleetMix	MCY	5.0780e-003	5.8510e-003
tblFleetMix	MDV	0.12	0.03
tblFleetMix	MH	8.9100e-004	2.1200e-004
tblFleetMix	MHD	0.02	4.6980e-003
tblFleetMix	OBUS	2.4790e-003	5.9000e-004

tblFleetMix	SBUS	6.8200e-004	1.6200e-004
tblFleetMix	UBUS	2.2700e-003	5.4000e-004
tblLandUse	BuildingSpaceSquareFeet	69,300.00	69,295.00
tblLandUse	BuildingSpaceSquareFeet	700,040.00	700,044.00
tblLandUse	BuildingSpaceSquareFeet	141,800.00	141,796.00
tblLandUse	BuildingSpaceSquareFeet	434,440.00	434,436.00
tblLandUse	BuildingSpaceSquareFeet	73,910.00	73,909.00
tblLandUse	BuildingSpaceSquareFeet	59,240.00	59,244.00
tblLandUse	BuildingSpaceSquareFeet	1,108,602.00	1,108,400.00
tblLandUse	BuildingSpaceSquareFeet	18,876.00	18,168.00
tblLandUse	BuildingSpaceSquareFeet	6,000.00	5,958.00
tblLandUse	LandUseSquareFeet	69,300.00	69,295.00
tblLandUse	LandUseSquareFeet	700,040.00	700,044.00
tblLandUse	LandUseSquareFeet	141,800.00	141,796.00
tblLandUse	LandUseSquareFeet	434,440.00	434,436.00
tblLandUse	LandUseSquareFeet	73,910.00	73,909.00
tblLandUse	LandUseSquareFeet	59,240.00	59,244.00
tblLandUse	LandUseSquareFeet	1,108,602.00	1,108,400.00
tblLandUse	LandUseSquareFeet	18,876.00	18,168.00
tblLandUse	LandUseSquareFeet	6,000.00	5,958.00
tblLandUse	LotAcreage	16.07	18.05
tblLandUse	LotAcreage	3.26	18.05
tblLandUse	LotAcreage	9.97	18.05
tblLandUse	LotAcreage	0.43	18.05
tblLandUse	LotAcreage	0.38	0.14
tblProjectCharacteristics	OperationalYear	2018	2021
tblSolidWaste	SolidWasteGenerationRate	2.76	7.00
tblSolidWaste	SolidWasteGenerationRate	91.65	178.00

tblSolidWaste	SolidWasteGenerationRate	64.45	167.00
tblSolidWaste	SolidWasteGenerationRate	7,560.43	7,538.00
tblSolidWaste	SolidWasteGenerationRate	7.12	60.00
tblSolidWaste	SolidWasteGenerationRate	1,531.44	155.00
tblSolidWaste	SolidWasteGenerationRate	55.69	154.00
tblSolidWaste	SolidWasteGenerationRate	33.01	1,031.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	16.10	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	14.30
tblVehicleTrips	CW_TTP	64.90	100.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PR_TP	73.00	100.00
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	10.18	11.23
tblVehicleTrips	ST_TR	8.19	0.00
tblVehicleTrips	ST_TR	8.96	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	ST_TR	1.90	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	8.91	11.23
tblVehicleTrips	SU_TR	5.95	0.00

tblVehicleTrips	SU_TR	1.55	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	SU_TR	1.11	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	13.22	11.23
tblVehicleTrips	WD_TR	8.17	0.00
tblVehicleTrips	WD_TR	36.13	0.00
tblVehicleTrips	WD_TR	1.68	0.00
tblVehicleTrips	WD_TR	8.11	0.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	390,924.15	17,509,321.00

tblWater	IndoorWaterUseRate	17,091,687.50	17,509,321.00
tblWater	IndoorWaterUseRate	12,316,948.74	17,509,321.00
tblWater	IndoorWaterUseRate	87,841,395.51	17,509,321.00
tblWater	IndoorWaterUseRate	329,768.01	17,509,321.00
tblWater	IndoorWaterUseRate	17,793,140.23	17,509,321.00
tblWater	IndoorWaterUseRate	13,699,250.00	17,509,321.00
tblWater	IndoorWaterUseRate	213,611,518.42	17,509,321.00
tblWater	OutdoorWaterUseRate	246,452.18	1,928,528.00
tblWater	OutdoorWaterUseRate	0.00	1,928,528.00
tblWater	OutdoorWaterUseRate	7,549,097.61	1,928,528.00
tblWater	OutdoorWaterUseRate	16,731,694.38	1,928,528.00
tblWater	OutdoorWaterUseRate	36,640.89	1,928,528.00
tblWater	OutdoorWaterUseRate	3,389,169.57	1,928,528.00
tblWater	OutdoorWaterUseRate	0.00	1,928,528.00
tblWater	OutdoorWaterUseRate	0.00	1,928,528.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	0.30	0.00
tblWoodstoves	NumberNoncatalytic	0.30	0.00

2.0 Emissions Summary

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	34.0866	0.1067	0.6939	6.7000e-004		0.0113	0.0113		0.0113	0.0113	0.0000	128.2822	128.2822	4.1800e-003	2.3300e-003	129.0809
Energy	1.8708	17.0058	14.2754	0.1020		1.2926	1.2926		1.2926	1.2926		20,408.6825	20,408.6825	0.3912	0.3742	20,529.9611
Mobile	17.4332	95.7366	264.1384	0.9653	86.1808	0.8149	86.9957	22.9227	0.7592	23.6818		98,016.4647	98,016.4647	4.4962		98,128.8702
Total	**53.3906**	**112.8490**	**279.1078**	**1.0680**	**86.1808**	**2.1188**	**88.2995**	**22.9227**	**2.0631**	**24.9857**	**0.0000**	**118,553.4294**	**118,553.4294**	**4.8916**	**0.3765**	**118,787.9122**

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	34.0866	0.1067	0.6939	6.7000e-004		0.0113	0.0113		0.0113	0.0113	0.0000	128.2822	128.2822	4.1800e-003	2.3300e-003	129.0809
Energy	1.8708	17.0058	14.2754	0.1020		1.2926	1.2926		1.2926	1.2926		20,408.6825	20,408.6825	0.3912	0.3742	20,529.9611
Mobile	17.4332	95.7366	264.1384	0.9653	86.1808	0.8149	86.9957	22.9227	0.7592	23.6818		98,016.4647	98,016.4647	4.4962		98,128.8702
Total	**53.3906**	**112.8490**	**279.1078**	**1.0680**	**86.1808**	**2.1188**	**88.2995**	**22.9227**	**2.0631**	**24.9857**	**0.0000**	**118,553.4294**	**118,553.4294**	**4.8916**	**0.3765**	**118,787.9122**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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**

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	17.4332	95.7366	264.1384	0.9653	86.1808	0.8149	86.9957	22.9227	0.7592	23.6818		98,016.4647	98,016.4647	4.4962		98,128.8702
Unmitigated	17.4332	95.7366	264.1384	0.9653	86.1808	0.8149	86.9957	22.9227	0.7592	23.6818		98,016.4647	98,016.4647	4.4962		98,128.8702

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
General Light Industry	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Hospital	7,861.45	7,861.45	7861.45	40,920,415	40,920,415
Hotel	0.00	0.00	0.00		
Medical Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	0.00	0.00	0.00		
Research & Development	0.00	0.00	0.00		
Total	7,861.45	7,861.45	7,861.45	40,920,415	40,920,415

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
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Hospital	14.30	0.00	0.00	100.00	0.00	0.00	100	0	0
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3
Research & Development	16.60	8.40	6.90	33.00	48.00	19.00	82	15	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Hospital	0.630489	0.052054	0.233606	0.026012	0.003842	0.001462	0.004698	0.040482	0.000590	0.000540	0.005851	0.000162	0.000212
Medical Office Building	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Research & Development	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
General Light Industry	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Refrigerated Warehouse-No Rail	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Parking Lot	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Hotel	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Apartments Low Rise	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

Kilowatt Hours of Renewable Electricity Generated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.8708	17.0058	14.2754	0.1020		1.2926	1.2926		1.2926	1.2926		20,408.6825	20,408.6825	0.3912	0.3742	20,529.9611
NaturalGas Unmitigated	1.8708	17.0058	14.2754	0.1020		1.2926	1.2926		1.2926	1.2926		20,408.6825	20,408.6825	0.3912	0.3742	20,529.9611

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	248.312	2.6800e-003	0.0229	9.7400e-003	1.5000e-004		1.8500e-003	1.8500e-003		1.8500e-003	1.8500e-003		29.2131	29.2131	5.6000e-004	5.4000e-004	29.3867
General Light Industry	4009.31	0.0432	0.3931	0.3302	2.3600e-003		0.0299	0.0299		0.0299	0.0299		471.6836	471.6836	9.0400e-003	8.6500e-003	474.4865
General Office Building	2361.73	0.0255	0.2315	0.1945	1.3900e-003		0.0176	0.0176		0.0176	0.0176		277.8501	277.8501	5.3300e-003	5.0900e-003	279.5012
Hospital	136978	1.4772	13.4293	11.2806	0.0806		1.0206	1.0206		1.0206	1.0206		16,115.1144	16,115.1144	0.3089	0.2954	16,210.8785
Hotel	1286.69	0.0139	0.1262	0.1060	7.6000e-004		9.5900e-003	9.5900e-003		9.5900e-003	9.5900e-003		151.3756	151.3756	2.9000e-003	2.7800e-003	152.2752
Medical Office Building	4832.72	0.0521	0.4738	0.3980	2.8400e-003		0.0360	0.0360		0.0360	0.0360		568.5551	568.5551	0.0109	0.0104	571.9338
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	189.905	2.0500e-003	0.0186	0.0156	1.1000e-004		1.4100e-003	1.4100e-003		1.4100e-003	1.4100e-003		22.3418	22.3418	4.3000e-004	4.1000e-004	22.4746
Research & Development	23566.7	0.2542	2.3105	1.9408	0.0139		0.1756	0.1756		0.1756	0.1756		2,772.5489	2,772.5489	0.0531	0.0508	2,789.0247
Total		**1.8708**	**17.0058**	**14.2754**	**0.1021**		**1.2925**	**1.2925**		**1.2925**	**1.2925**		**20,408.6825**	**20,408.6825**	**0.3912**	**0.3742**	**20,529.9611**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	0.248312	2.6800e-003	0.0229	9.7400e-003	1.5000e-004		1.8500e-003	1.8500e-003		1.8500e-003	1.8500e-003		29.2131	29.2131	5.6000e-004	5.4000e-004	29.3867
General Light Industry	4.00931	0.0432	0.3931	0.3302	2.3600e-003		0.0299	0.0299		0.0299	0.0299		471.6836	471.6836	9.0400e-003	8.6500e-003	474.4865
General Office Building	2.36173	0.0255	0.2315	0.1945	1.3900e-003		0.0176	0.0176		0.0176	0.0176		277.8501	277.8501	5.3300e-003	5.0900e-003	279.5012
Hospital	136.978	1.4772	13.4293	11.2806	0.0806		1.0206	1.0206		1.0206	1.0206		16,115.1144	16,115.1144	0.3089	0.2954	16,210.8785
Hotel	1.28669	0.0139	0.1262	0.1060	7.6000e-004		9.5900e-003	9.5900e-003		9.5900e-003	9.5900e-003		151.3756	151.3756	2.9000e-003	2.7800e-003	152.2752
Medical Office Building	4.83272	0.0521	0.4738	0.3980	2.8400e-003		0.0360	0.0360		0.0360	0.0360		568.5551	568.5551	0.0109	0.0104	571.9338
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0.189905	2.0500e-003	0.0186	0.0156	1.1000e-004		1.4100e-003	1.4100e-003		1.4100e-003	1.4100e-003		22.3418	22.3418	4.3000e-004	4.1000e-004	22.4746
Research & Development	23.5667	0.2542	2.3105	1.9408	0.0139		0.1756	0.1756		0.1756	0.1756		2,772.5489	2,772.5489	0.0531	0.0508	2,789.0247
Total		**1.8708**	**17.0058**	**14.2754**	**0.1021**		**1.2925**	**1.2925**		**1.2925**	**1.2925**		**20,408.6825**	**20,408.6825**	**0.3912**	**0.3742**	**20,529.9611**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	34.0866	0.1067	0.6939	6.7000e-004		0.0113	0.0113		0.0113	0.0113	0.0000	128.2822	128.2822	4.1800e-003	2.3300e-003	129.0809
Unmitigated	34.0866	0.1067	0.6939	6.7000e-004		0.0113	0.0113		0.0113	0.0113	0.0000	128.2822	128.2822	4.1800e-003	2.3300e-003	129.0809

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	3.8964					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	30.1490					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0117	0.0995	0.0424	6.4000e-004		8.0500e-003	8.0500e-003		8.0500e-003	8.0500e-003	0.0000	127.0588	127.0588	2.4400e-003	2.3300e-003	127.8139
Landscaping	0.0296	7.1500e-003	0.6516	4.0000e-005		3.2900e-003	3.2900e-003		3.2900e-003	3.2900e-003		1.2234	1.2234	1.7500e-003		1.2670
Total	**34.0866**	**0.1067**	**0.6939**	**6.8000e-004**		**0.0113**	**0.0113**		**0.0113**	**0.0113**	**0.0000**	**128.2822**	**128.2822**	**4.1900e-003**	**2.3300e-003**	**129.0809**

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	3.8964					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	30.1490					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0117	0.0995	0.0424	6.4000e-004		8.0500e-003	8.0500e-003		8.0500e-003	8.0500e-003	0.0000	127.0588	127.0588	2.4400e-003	2.3300e-003	127.8139
Landscaping	0.0296	7.1500e-003	0.6516	4.0000e-005		3.2900e-003	3.2900e-003		3.2900e-003	3.2900e-003		1.2234	1.2234	1.7500e-003		1.2670
Total	**34.0866**	**0.1067**	**0.6939**	**6.8000e-004**		**0.0113**	**0.0113**		**0.0113**	**0.0113**	**0.0000**	**128.2822**	**128.2822**	**4.1900e-003**	**2.3300e-003**	**129.0809**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Phase 1_Existing Remaining

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	69.30	1000sqft	1.59	69,295.00	0
Hospital	700.04	1000sqft	18.05	700,044.00	0
Medical Office Building	141.80	1000sqft	18.05	141,796.00	0
Research & Development	434.44	1000sqft	18.05	434,436.00	0
General Light Industry	73.91	1000sqft	1.70	73,909.00	0
Refrigerated Warehouse-No Rail	59.24	1000sqft	1.36	59,244.00	0
Parking Lot	25.45	Acre	25.45	1,108,400.00	0
Hotel	13.00	Room	18.05	18,168.00	0
Apartments Low Rise	6.00	Dwelling Unit	0.14	5,958.00	17

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on information provided.

Vehicle Trips - Trip generation rate and trip distance based on information provided by Fehr & Peers. For purposes of this analysis, all trips assigned to the Hospital land use.

Woodstoves - Assumes all natural gas fireplaces.

Area Coating - Based on land use amount for surface parking lot and CalEEMod methodology to calculate paintable surface area.

Energy Use -

Water And Wastewater - Based on information provided by KPFF. Assumes no septic tanks of facultive lagoons. Assumes proportion indoor/outdoor water use for land uses for purposes of this analysis.

Solid Waste - Based on information provided in Chapter 5.16, Utilities and Service Systems, of the DEIR.

Fleet Mix - Based on Caltrans vehicle mix data for the segment of Interstate 210 west of Interstate 605.

Construction Phase -

Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblFireplaces	NumberGas	5.10	6.00
tblFireplaces	NumberNoFireplace	0.60	0.00
tblFireplaces	NumberWood	0.30	0.00
tblFleetMix	HHD	0.03	0.04
tblFleetMix	LDA	0.55	0.63
tblFleetMix	LDT1	0.05	0.05
tblFleetMix	LDT2	0.20	0.23
tblFleetMix	LHD1	0.02	3.8420e-003
tblFleetMix	LHD2	6.1430e-003	1.4620e-003
tblFleetMix	MCY	5.0780e-003	5.8510e-003
tblFleetMix	MDV	0.12	0.03
tblFleetMix	MH	8.9100e-004	2.1200e-004
tblFleetMix	MHD	0.02	4.6980e-003

tblFleetMix	OBUS	2.4790e-003	5.9000e-004
tblFleetMix	SBUS	6.8200e-004	1.6200e-004
tblFleetMix	UBUS	2.2700e-003	5.4000e-004
tblLandUse	BuildingSpaceSquareFeet	69,300.00	69,295.00
tblLandUse	BuildingSpaceSquareFeet	700,040.00	700,044.00
tblLandUse	BuildingSpaceSquareFeet	141,800.00	141,796.00
tblLandUse	BuildingSpaceSquareFeet	434,440.00	434,436.00
tblLandUse	BuildingSpaceSquareFeet	73,910.00	73,909.00
tblLandUse	BuildingSpaceSquareFeet	59,240.00	59,244.00
tblLandUse	BuildingSpaceSquareFeet	1,108,602.00	1,108,400.00
tblLandUse	BuildingSpaceSquareFeet	18,876.00	18,168.00
tblLandUse	BuildingSpaceSquareFeet	6,000.00	5,958.00
tblLandUse	LandUseSquareFeet	69,300.00	69,295.00
tblLandUse	LandUseSquareFeet	700,040.00	700,044.00
tblLandUse	LandUseSquareFeet	141,800.00	141,796.00
tblLandUse	LandUseSquareFeet	434,440.00	434,436.00
tblLandUse	LandUseSquareFeet	73,910.00	73,909.00
tblLandUse	LandUseSquareFeet	59,240.00	59,244.00
tblLandUse	LandUseSquareFeet	1,108,602.00	1,108,400.00
tblLandUse	LandUseSquareFeet	18,876.00	18,168.00
tblLandUse	LandUseSquareFeet	6,000.00	5,958.00
tblLandUse	LotAcreage	16.07	18.05
tblLandUse	LotAcreage	3.26	18.05
tblLandUse	LotAcreage	9.97	18.05
tblLandUse	LotAcreage	0.43	18.05
tblLandUse	LotAcreage	0.38	0.14
tblProjectCharacteristics	OperationalYear	2018	2021

tblSolidWaste	SolidWasteGenerationRate	2.76	7.00
tblSolidWaste	SolidWasteGenerationRate	91.65	178.00
tblSolidWaste	SolidWasteGenerationRate	64.45	167.00
tblSolidWaste	SolidWasteGenerationRate	7,560.43	7,538.00
tblSolidWaste	SolidWasteGenerationRate	7.12	60.00
tblSolidWaste	SolidWasteGenerationRate	1,531.44	155.00
tblSolidWaste	SolidWasteGenerationRate	55.69	154.00
tblSolidWaste	SolidWasteGenerationRate	33.01	1,031.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	16.10	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	14.30
tblVehicleTrips	CW_TTP	64.90	100.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PR_TP	73.00	100.00
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	10.18	11.23
tblVehicleTrips	ST_TR	8.19	0.00
tblVehicleTrips	ST_TR	8.96	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	ST_TR	1.90	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	SU_TR	0.68	0.00

tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	8.91	11.23
tblVehicleTrips	SU_TR	5.95	0.00
tblVehicleTrips	SU_TR	1.55	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	SU_TR	1.11	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	13.22	11.23
tblVehicleTrips	WD_TR	8.17	0.00
tblVehicleTrips	WD_TR	36.13	0.00
tblVehicleTrips	WD_TR	1.68	0.00
tblVehicleTrips	WD_TR	8.11	0.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00

tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	390,924.15	17,509,321.00
tblWater	IndoorWaterUseRate	17,091,687.50	17,509,321.00
tblWater	IndoorWaterUseRate	12,316,948.74	17,509,321.00
tblWater	IndoorWaterUseRate	87,841,395.51	17,509,321.00
tblWater	IndoorWaterUseRate	329,768.01	17,509,321.00
tblWater	IndoorWaterUseRate	17,793,140.23	17,509,321.00
tblWater	IndoorWaterUseRate	13,699,250.00	17,509,321.00
tblWater	IndoorWaterUseRate	213,611,518.42	17,509,321.00
tblWater	OutdoorWaterUseRate	246,452.18	1,928,528.00
tblWater	OutdoorWaterUseRate	0.00	1,928,528.00
tblWater	OutdoorWaterUseRate	7,549,097.61	1,928,528.00
tblWater	OutdoorWaterUseRate	16,731,694.38	1,928,528.00
tblWater	OutdoorWaterUseRate	36,640.89	1,928,528.00
tblWater	OutdoorWaterUseRate	3,389,169.57	1,928,528.00
tblWater	OutdoorWaterUseRate	0.00	1,928,528.00
tblWater	OutdoorWaterUseRate	0.00	1,928,528.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

tblWoodstoves	NumberCatalytic	0.30	0.00
tblWoodstoves	NumberNoncatalytic	0.30	0.00

2.0 Emissions Summary

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	6.2171	2.1400e-003	0.0820	1.0000e-005		5.1000e-004	5.1000e-004		5.1000e-004	5.1000e-004	0.0000	1.5796	1.5796	2.3000e-004	3.0000e-005	1.5931
Energy	0.3414	3.1036	2.6053	0.0186		0.2359	0.2359		0.2359	0.2359	0.0000	12,669.7235	12,669.7235	0.4483	0.1413	12,723.0408
Mobile	3.1167	17.7727	48.9527	0.1783	15.3792	0.1477	15.5269	4.0969	0.1376	4.2345	0.0000	16,417.5474	16,417.5474	0.7400	0.0000	16,436.0480
Waste						0.0000	0.0000		0.0000	0.0000	1,885.7860	0.0000	1,885.7860	111.4468	0.0000	4,671.9551
Water						0.0000	0.0000		0.0000	0.0000	49.5586	635.7512	685.3098	0.1968	0.1132	723.9652
Total	**9.6753**	**20.8784**	**51.6400**	**0.1969**	**15.3792**	**0.3841**	**15.7633**	**4.0969**	**0.3740**	**4.4709**	**1,935.3446**	**29,724.6017**	**31,659.9463**	**112.8322**	**0.2545**	**34,556.6021**

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	6.2171	2.1400e-003	0.0820	1.0000e-005		5.1000e-004	5.1000e-004		5.1000e-004	5.1000e-004	0.0000	1.5796	1.5796	2.3000e-004	3.0000e-005	1.5931
Energy	0.3414	3.1036	2.6053	0.0186		0.2359	0.2359		0.2359	0.2359	0.0000	12,669.3428	12,669.3428	0.4483	0.1413	12,722.6587
Mobile	3.1167	17.7727	48.9527	0.1783	15.3792	0.1477	15.5269	4.0969	0.1376	4.2345	0.0000	16,417.5474	16,417.5474	0.7400	0.0000	16,436.0480
Waste						0.0000	0.0000		0.0000	0.0000	1,885.7860	0.0000	1,885.7860	111.4468	0.0000	4,671.9551
Water						0.0000	0.0000		0.0000	0.0000	49.5586	635.7512	685.3098	0.1968	0.1132	723.9652
Total	**9.6753**	**20.8784**	**51.6400**	**0.1969**	**15.3792**	**0.3841**	**15.7633**	**4.0969**	**0.3740**	**4.4709**	**1,935.3446**	**29,724.2209**	**31,659.5656**	**112.8322**	**0.2545**	**34,556.2200**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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**

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	3.1167	17.7727	48.9527	0.1783	15.3792	0.1477	15.5269	4.0969	0.1376	4.2345	0.0000	16,417.5474	16,417.5474	0.7400	0.0000	16,436.0480
Unmitigated	3.1167	17.7727	48.9527	0.1783	15.3792	0.1477	15.5269	4.0969	0.1376	4.2345	0.0000	16,417.5474	16,417.5474	0.7400	0.0000	16,436.0480

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
General Light Industry	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Hospital	7,861.45	7,861.45	7861.45	40,920,415	40,920,415
Hotel	0.00	0.00	0.00		
Medical Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	0.00	0.00	0.00		
Research & Development	0.00	0.00	0.00		
Total	7,861.45	7,861.45	7,861.45	40,920,415	40,920,415

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Hospital	14.30	0.00	0.00	100.00	0.00	0.00	100	0	0
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3
Research & Development	16.60	8.40	6.90	33.00	48.00	19.00	82	15	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Hospital	0.630489	0.052054	0.233606	0.026012	0.003842	0.001462	0.004698	0.040482	0.000590	0.000540	0.005851	0.000162	0.000212
Medical Office Building	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Research & Development	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
General Light Industry	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Refrigerated Warehouse-No Rail	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Parking Lot	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Hotel	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Apartments Low Rise	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

Kilowatt Hours of Renewable Electricity Generated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	9,290.4565	9,290.4565	0.3836	0.0794	9,323.6934
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	9,290.8372	9,290.8372	0.3836	0.0794	9,324.0755
NaturalGas Mitigated	0.3414	3.1036	2.6053	0.0186		0.2359	0.2359		0.2359	0.2359	0.0000	3,378.8863	3,378.8863	0.0648	0.0620	3,398.9653
NaturalGas Unmitigated	0.3414	3.1036	2.6053	0.0186		0.2359	0.2359		0.2359	0.2359	0.0000	3,378.8863	3,378.8863	0.0648	0.0620	3,398.9653

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	90633.8	4.9000e-004	4.1800e-003	1.7800e-003	3.0000e-005		3.4000e-004	3.4000e-004		3.4000e-004	3.4000e-004	0.0000	4.8366	4.8366	9.0000e-005	9.0000e-005	4.8653
General Light Industry	1.4634e+006	7.8900e-003	0.0717	0.0603	4.3000e-004		5.4500e-003	5.4500e-003		5.4500e-003	5.4500e-003	0.0000	78.0925	78.0925	1.5000e-003	1.4300e-003	78.5566
General Office Building	862030	4.6500e-003	0.0423	0.0355	2.5000e-004		3.2100e-003	3.2100e-003		3.2100e-003	3.2100e-003	0.0000	46.0012	46.0012	8.8000e-004	8.4000e-004	46.2746
Hospital	4.99971e+007	0.2696	2.4508	2.0587	0.0147		0.1863	0.1863		0.1863	0.1863	0.0000	2,668.0379	2,668.0379	0.0511	0.0489	2,683.8927
Hotel	469643	2.5300e-003	0.0230	0.0193	1.4000e-004		1.7500e-003	1.7500e-003		1.7500e-003	1.7500e-003	0.0000	25.0619	25.0619	4.8000e-004	4.6000e-004	25.2109
Medical Office Building	1.76394e+006	9.5100e-003	0.0865	0.0726	5.2000e-004		6.5700e-003	6.5700e-003		6.5700e-003	6.5700e-003	0.0000	94.1307	94.1307	1.8000e-003	1.7300e-003	94.6901
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	69315.5	3.7000e-004	3.4000e-003	2.8500e-003	2.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004	0.0000	3.6989	3.6989	7.0000e-005	7.0000e-005	3.7209
Research & Development	8.60183e+006	0.0464	0.4217	0.3542	2.5300e-003		0.0321	0.0321		0.0321	0.0321	0.0000	459.0266	459.0266	8.8000e-003	8.4200e-003	461.7543
Total		**0.3414**	**3.1036**	**2.6053**	**0.0186**		**0.2359**	**0.2359**		**0.2359**	**0.2359**	**0.0000**	**3,378.8863**	**3,378.8863**	**0.0648**	**0.0620**	**3,398.9653**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	90633.8	4.9000e-004	4.1800e-003	1.7800e-003	3.0000e-005		3.4000e-004	3.4000e-004		3.4000e-004	3.4000e-004	0.0000	4.8366	4.8366	9.0000e-005	9.0000e-005	4.8653
General Light Industry	1.4634e+006	7.8900e-003	0.0717	0.0603	4.3000e-004		5.4500e-003	5.4500e-003		5.4500e-003	5.4500e-003	0.0000	78.0925	78.0925	1.5000e-003	1.4300e-003	78.5566
General Office Building	862030	4.6500e-003	0.0423	0.0355	2.5000e-004		3.2100e-003	3.2100e-003		3.2100e-003	3.2100e-003	0.0000	46.0012	46.0012	8.8000e-004	8.4000e-004	46.2746
Hospital	4.99971e+007	0.2696	2.4508	2.0587	0.0147		0.1863	0.1863		0.1863	0.1863	0.0000	2,668.0379	2,668.0379	0.0511	0.0489	2,683.8927
Hotel	469643	2.5300e-003	0.0230	0.0193	1.4000e-004		1.7500e-003	1.7500e-003		1.7500e-003	1.7500e-003	0.0000	25.0619	25.0619	4.8000e-004	4.6000e-004	25.2109
Medical Office Building	1.76394e+006	9.5100e-003	0.0865	0.0726	5.2000e-004		6.5700e-003	6.5700e-003		6.5700e-003	6.5700e-003	0.0000	94.1307	94.1307	1.8000e-003	1.7300e-003	94.6901
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	69315.5	3.7000e-004	3.4000e-003	2.8500e-003	2.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004	0.0000	3.6989	3.6989	7.0000e-005	7.0000e-005	3.7209
Research & Development	8.60183e+006	0.0464	0.4217	0.3542	2.5300e-003		0.0321	0.0321		0.0321	0.0321	0.0000	459.0266	459.0266	8.8000e-003	8.4200e-003	461.7543
Total		**0.3414**	**3.1036**	**2.6053**	**0.0186**		**0.2359**	**0.2359**		**0.2359**	**0.2359**	**0.0000**	**3,378.8863**	**3,378.8863**	**0.0648**	**0.0620**	**3,398.9653**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	22365.5	7.1261	2.9000e-004	6.0000e-005	7.1516
General Light Industry	926819	295.3044	0.0122	2.5200e-003	296.3608
General Office Building	1.05606e+006	336.4820	0.0139	2.8700e-003	337.6858
Hospital	1.73681e+007	5,533.8461	0.2285	0.0473	5,553.6436
Hotel	164602	52.4458	2.1700e-003	4.5000e-004	52.6334
Medical Office Building	2.16097e+006	688.5317	0.0284	5.8800e-003	690.9949
Parking Lot	975392	310.7808	0.0128	2.6500e-003	311.8926
Refrigerated Warehouse-No Rail	1.03736e+006	330.5259	0.0137	2.8200e-003	331.7084
Research & Development	5.44783e+006	1,735.7945	0.0717	0.0148	1,742.0044
Total		**9,290.8372**	**0.3836**	**0.0794**	**9,324.0755**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	22232.8	7.0838	2.9000e-004	6.0000e-005	7.1092
General Light Industry	926686	295.2620	0.0122	2.5200e-003	296.3184
General Office Building	1.05592e+006	336.4397	0.0139	2.8700e-003	337.6433
Hospital	1.7368e+007	5,533.8038	0.2285	0.0473	5,553.6011
Hotel	164469	52.4034	2.1600e-003	4.5000e-004	52.5909
Medical Office Building	2.16084e+006	688.4894	0.0284	5.8800e-003	690.9525
Parking Lot	975259	310.7385	0.0128	2.6500e-003	311.8502
Refrigerated Warehouse-No Rail	1.03723e+006	330.4836	0.0136	2.8200e-003	331.6659
Research & Development	5.44769e+006	1,735.7522	0.0717	0.0148	1,741.9619
Total		**9,290.4565**	**0.3835**	**0.0794**	**9,323.6934**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	6.2171	2.1400e-003	0.0820	1.0000e-005		5.1000e-004	5.1000e-004		5.1000e-004	5.1000e-004	0.0000	1.5796	1.5796	2.3000e-004	3.0000e-005	1.5931
Unmitigated	6.2171	2.1400e-003	0.0820	1.0000e-005		5.1000e-004	5.1000e-004		5.1000e-004	5.1000e-004	0.0000	1.5796	1.5796	2.3000e-004	3.0000e-005	1.5931

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.7111					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.5022					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.5000e-004	1.2400e-003	5.3000e-004	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	1.4408	1.4408	3.0000e-005	3.0000e-005	1.4494
Landscaping	3.6900e-003	8.9000e-004	0.0815	0.0000		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004	0.0000	0.1387	0.1387	2.0000e-004	0.0000	0.1437
Total	**6.2171**	**2.1300e-003**	**0.0820**	**1.0000e-005**		**5.1000e-004**	**5.1000e-004**		**5.1000e-004**	**5.1000e-004**	**0.0000**	**1.5796**	**1.5796**	**2.3000e-004**	**3.0000e-005**	**1.5931**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.7111					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.5022					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.5000e-004	1.2400e-003	5.3000e-004	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	1.4408	1.4408	3.0000e-005	3.0000e-005	1.4494
Landscaping	3.6900e-003	8.9000e-004	0.0815	0.0000		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004	0.0000	0.1387	0.1387	2.0000e-004	0.0000	0.1437
Total	**6.2171**	**2.1300e-003**	**0.0820**	**1.0000e-005**		**5.1000e-004**	**5.1000e-004**		**5.1000e-004**	**5.1000e-004**	**0.0000**	**1.5796**	**1.5796**	**2.3000e-004**	**3.0000e-005**	**1.5931**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	685.3098	0.1968	0.1132	723.9652
Unmitigated	685.3098	0.1968	0.1132	723.9652

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	17.5093 / 1.92853	85.6637	0.0246	0.0142	90.4957
General Light Industry	17.5093 / 1.92853	85.6637	0.0246	0.0142	90.4957
General Office Building	17.5093 / 1.92853	85.6637	0.0246	0.0142	90.4957
Hospital	17.5093 / 1.92853	85.6637	0.0246	0.0142	90.4957
Hotel	17.5093 / 1.92853	85.6637	0.0246	0.0142	90.4957
Medical Office Building	17.5093 / 1.92853	85.6637	0.0246	0.0142	90.4957
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	17.5093 / 1.92853	85.6637	0.0246	0.0142	90.4957
Research & Development	17.5093 / 1.92853	85.6637	0.0246	0.0142	90.4957
Total		**685.3098**	**0.1968**	**0.1132**	**723.9652**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	17.5093 / 1.92853	85.6637	0.0246	0.0142	90.4957
General Light Industry	17.5093 / 1.92853	85.6637	0.0246	0.0142	90.4957
General Office Building	17.5093 / 1.92853	85.6637	0.0246	0.0142	90.4957
Hospital	17.5093 /	85.6637	0.0246	0.0142	90.4957
Hotel	17.5093 / 1.92853	85.6637	0.0246	0.0142	90.4957
Medical Office Building	17.5093 / 1.92853	85.6637	0.0246	0.0142	90.4957
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	17.5093 / 1.92853	85.6637	0.0246	0.0142	90.4957
Research & Development	17.5093 / 1.92853	85.6637	0.0246	0.0142	90.4957
Total		**685.3098**	**0.1968**	**0.1132**	**723.9652**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	1,885.7860	111.4468	0.0000	4,671.9551
Unmitigated	1,885.7860	111.4468	0.0000	4,671.9551

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	7	1.4209	0.0840	0.0000	3.5203
General Light Industry	178	36.1324	2.1354	0.0000	89.5165
General Office Building	167	33.8995	2.0034	0.0000	83.9846
Hospital	7538	1,530.1459	90.4290	0.0000	3,790.8717
Hotel	60	12.1795	0.7198	0.0000	30.1741
Medical Office Building	155	31.4636	1.8595	0.0000	77.9497
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	154	31.2606	1.8475	0.0000	77.4468
Research & Development	1031	209.2837	12.3683	0.0000	518.4915
Total		**1,885.7861**	**111.4468**	**0.0000**	**4,671.9551**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	7	1.4209	0.0840	0.0000	3.5203
General Light Industry	178	36.1324	2.1354	0.0000	89.5165
General Office Building	167	33.8995	2.0034	0.0000	83.9846
Hospital	7538	1,530.1459	90.4290	0.0000	3,790.8717
Hotel	60	12.1795	0.7198	0.0000	30.1741
Medical Office Building	155	31.4636	1.8595	0.0000	77.9497
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	154	31.2606	1.8475	0.0000	77.4468
Research & Development	1031	209.2837	12.3683	0.0000	518.4915
Total		**1,885.7861**	**111.4468**	**0.0000**	**4,671.9551**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Phase 1_Existing Remaining

Los Angeles-South Coast, Summary Report

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	69.30	1000sqft	1.59	69,295.00	0
Hospital	700.04	1000sqft	18.05	700,044.00	0
Medical Office Building	141.80	1000sqft	18.05	141,796.00	0
Research & Development	434.44	1000sqft	18.05	434,436.00	0
General Light Industry	73.91	1000sqft	1.70	73,909.00	0
Refrigerated Warehouse-No Rail	59.24	1000sqft	1.36	59,244.00	0
Parking Lot	25.45	Acre	25.45	1,108,400.00	0
Hotel	13.00	Room	18.05	18,168.00	0
Apartments Low Rise	6.00	Dwelling Unit	0.14	5,958.00	17

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments

Only CalEEMod defaults were used.

Project Characteristics -

Land Use - Based on information provided.

Vehicle Trips - Trip generation rate and trip distance based on information provided by Fehr & Peers. For purposes of this analysis, all trips assigned to the Hospital land use.
Woodstoves - Assumes all natural gas fireplaces.

Area Coating - Based on land use amount for surface parking lot and CalEEMod methodology to calculate paintable surface area.

Energy Use -

Water And Wastewater - Based on information provided by KPFF. Assumes no septic tanks of facultive lagoons. Assumes proportion indoor/outdoor water use for land uses for purposes of this analysis.
Solid Waste - Based on information provided in Chapter 5.16, Utilities and Service Systems, of the DEIR.

Fleet Mix - Based on Caltrans vehicle mix data for the segment of Interstate 210 west of Interstate 605.

Construction Phase -

Energy Mitigation -

2.0 Peak Daily Emissions

Peak Daily Operational Emissions

Peak Daily Operational Emissions

		Unmitigated						Mitigated					
		ROG	NOX	CO	SO2	PM10	PM2.5	ROG	NOX	CO	SO2	PM10	PM2.5
	Operational Activity	lb/day											
On-Site	Area	34.0866 S	0.1067 S	0.6939 S	6.7000e-004 S	0.0113 S	0.0113 S	34.0866 S	0.1067 S	0.6939 S	6.7000e-004 S	0.0113 S	0.0113 S
On-Site	Energy	1.8708 S	17.0058 S	14.2754 S	0.1020 S	1.2926 S	1.2926 S	1.8708 S	17.0058 S	14.2754 S	0.1020 S	1.2926 S	1.2926 S
Off-Site	Mobile	17.9364 S	95.7366 W	282.6605 S	1.0171 S	86.9957 W	23.6818 W	17.9364 S	95.7366 W	282.6605 S	1.0171 S	86.9957 W	23.6818 W
	Peak Daily Total	53.8938 S	112.8490 W	297.6298 S	1.1198 S	88.2995 W	24.9857 W	53.8938 S	112.8490 W	297.6298 S	1.1198 S	88.2995 W	24.9857 W
	Air District Threshold												
	Exceed Significance?												

3.0 Annual GHG Emissions

Annual GHG

Annual GHG

		Unmitigated				Mitigated			
		CO2	CH4	N2O	CO2e	CO2	CH4	N2O	CO2e
GHG Activity	Year	MT/yr							
Operational	2021	31,659.9463	112.8322	0.2545	34,556.6029	31,659.5655	112.8322	0.2545	34,556.2217
	Total								
	Significance Threshold								
	Exceed Significance?								

Phase 1_Existing Remaining

Los Angeles-South Coast County, Mitigation Report

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting:

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value 3
No	Land Use	Increase Density	0.00			
No	Land Use	Increase Diversity	0.12	0.35		
No	Land Use	Improve Walkability Design	0.00			
No	Land Use	Improve Destination Accessibility	0.00			
No	Land Use	Increase Transit Accessibility	0.25			

No	Land Use	Integrate Below Market Rate Housing	0.00			
	Land Use	Land Use SubTotal	0.00			
No	Neighborhood Enhancements	Improve Pedestrian Network				
No	Neighborhood Enhancements	Provide Traffic Calming Measures				
No	Neighborhood Enhancements	Implement NEV Network	0.00			
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00			
No	Parking Policy Pricing	Limit Parking Supply	0.00			
No	Parking Policy Pricing	Unbundle Parking Costs	0.00			
No	Parking Policy Pricing	On-street Market Pricing	0.00			
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00			
No	Transit Improvements	Provide BRT System	0.00			
No	Transit Improvements	Expand Transit Network	0.00			
No	Transit Improvements	Increase Transit Frequency	0.00			
	Transit Improvements	Transit Improvements Subtotal	0.00			
		Land Use and Site Enhancement Subtotal	0.00			
No	Commute	Implement Trip Reduction Program				
No	Commute	Transit Subsidy				
No	Commute	Implement Employee Parking "Cash Out"				
No	Commute	Workplace Parking Charge				
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00			
No	Commute	Market Commute Trip Reduction Option	0.00			
No	Commute	Employee Vanpool/Shuttle	0.00		2.00	
No	Commute	Provide Ride Sharing Program				
	Commute	Commute Subtotal	0.00			
No	School Trip	Implement School Bus Program	0.00			
		Total VMT Reduction	0.00			

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
No	No Hearth	
No	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	50.00
No	Use Low VOC Paint (Residential Exterior)	50.00
No	Use Low VOC Paint (Non-residential Interior)	100.00
No	Use Low VOC Paint (Non-residential Exterior)	100.00
No	Use Low VOC Paint (Parking)	100.00
No	% Electric Lawnmower	
No	% Electric Leafblower	
No	% Electric Chainsaw	

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Exceed Title 24		
No	Install High Efficiency Lighting		
Yes	On-site Renewable	1,195.00	

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Apply Water Conservation on Strategy		
No	Use Reclaimed Water		
No	Use Grey Water		
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction		
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape		

Solid Waste Mitigation

Mitigation Measures	Input Value
Institute Recycling and Composting Services	
Percent Reduction in Waste Disposed	

CalEEMod Output: Operation – Existing Remaining (Phase 2)

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Phase 2_Existing Remaining

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	69.30	1000sqft	1.59	69,295.00	0
Hospital	700.04	1000sqft	13.58	700,044.00	0
Medical Office Building	81.30	1000sqft	13.58	81,296.00	0
Research & Development	416.94	1000sqft	13.58	416,936.00	0
General Light Industry	70.41	1000sqft	1.62	70,409.00	0
Refrigerated Warehouse-No Rail	37.24	1000sqft	0.86	37,244.00	0
Parking Lot	17.59	Acre	17.59	766,400.00	0
Hotel	10.00	Room	13.58	14,668.00	0
Apartments Low Rise	6.00	Dwelling Unit	0.14	5,958.00	17

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on phasing information provided.

Vehicle Trips - Trip generation rate and trip distance based on information provided by Fehr & Peers. For purposes of this analysis, all trips assigned to the Hospital land use.
Woodstoves - Assumes natural gas fireplaces.

Energy Use -

Water And Wastewater - Based on information provided by KPFF. Assumes no septic tanks of facultive lagoons. Assumes proportion indoor/outdoor water use for land uses for purposes of this analysis.

Solid Waste - Based on information provided in Chapter 5.16, Utilities and Service Systems, of the DEIR.

Fleet Mix - Based on Caltrans vehicle mix data for the segment of Interstate 210 west of Interstate 605.

Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblFireplaces	NumberGas	5.10	6.00
tblFireplaces	NumberNoFireplace	0.60	0.00
tblFireplaces	NumberWood	0.30	0.00
tblFleetMix	FleetMixLandUseSubType	General Office Building	Apartments Low Rise
tblFleetMix	FleetMixLandUseSubType	Hospital	General Light Industry
tblFleetMix	FleetMixLandUseSubType	Medical Office Building	General Office Building
tblFleetMix	FleetMixLandUseSubType	Research & Development	Hospital
tblFleetMix	FleetMixLandUseSubType	General Light Industry	Hotel
tblFleetMix	FleetMixLandUseSubType	Refrigerated Warehouse-No Rail	Medical Office Building
tblFleetMix	FleetMixLandUseSubType	Hotel	Refrigerated Warehouse-No Rail
tblFleetMix	FleetMixLandUseSubType	Apartments Low Rise	Research & Development
tblFleetMix	HHD	0.03	0.04
tblFleetMix	LDA	0.54	0.63
tblFleetMix	LDT1	0.04	0.05

tblFleetMix	LDT2	0.21	0.24
tblFleetMix	LHD1	0.01	3.5370e-003
tblFleetMix	LHD2	6.2720e-003	1.5100e-003
tblFleetMix	MCY	5.2390e-003	6.0210e-003
tblFleetMix	MDV	0.12	0.03
tblFleetMix	MH	8.4100e-004	2.0200e-004
tblFleetMix	MHD	0.02	4.9910e-003
tblFleetMix	OBUS	2.5720e-003	6.1900e-004
tblFleetMix	SBUS	7.0000e-004	1.6900e-004
tblFleetMix	UBUS	1.9840e-003	4.7800e-004
tblLandUse	BuildingSpaceSquareFeet	69,300.00	69,295.00
tblLandUse	BuildingSpaceSquareFeet	700,040.00	700,044.00
tblLandUse	BuildingSpaceSquareFeet	81,300.00	81,296.00
tblLandUse	BuildingSpaceSquareFeet	416,940.00	416,936.00
tblLandUse	BuildingSpaceSquareFeet	70,410.00	70,409.00
tblLandUse	BuildingSpaceSquareFeet	37,240.00	37,244.00
tblLandUse	BuildingSpaceSquareFeet	766,220.40	766,400.00
tblLandUse	BuildingSpaceSquareFeet	14,520.00	14,668.00
tblLandUse	BuildingSpaceSquareFeet	6,000.00	5,958.00
tblLandUse	LandUseSquareFeet	69,300.00	69,295.00
tblLandUse	LandUseSquareFeet	700,040.00	700,044.00
tblLandUse	LandUseSquareFeet	81,300.00	81,296.00
tblLandUse	LandUseSquareFeet	416,940.00	416,936.00
tblLandUse	LandUseSquareFeet	70,410.00	70,409.00
tblLandUse	LandUseSquareFeet	37,240.00	37,244.00
tblLandUse	LandUseSquareFeet	766,220.40	766,400.00
tblLandUse	LandUseSquareFeet	14,520.00	14,668.00

tblLandUse	LandUseSquareFeet	6,000.00	5,958.00
tblLandUse	LotAcreage	16.07	13.58
tblLandUse	LotAcreage	1.87	13.58
tblLandUse	LotAcreage	9.57	13.58
tblLandUse	LotAcreage	0.85	0.86
tblLandUse	LotAcreage	0.33	13.58
tblLandUse	LotAcreage	0.38	0.14
tblProjectCharacteristics	OperationalYear	2018	2025
tblSolidWaste	SolidWasteGenerationRate	2.76	7.00
tblSolidWaste	SolidWasteGenerationRate	87.31	170.00
tblSolidWaste	SolidWasteGenerationRate	64.45	167.00
tblSolidWaste	SolidWasteGenerationRate	7,560.43	7,538.00
tblSolidWaste	SolidWasteGenerationRate	5.47	48.00
tblSolidWaste	SolidWasteGenerationRate	878.04	89.00
tblSolidWaste	SolidWasteGenerationRate	35.01	97.00
tblSolidWaste	SolidWasteGenerationRate	31.68	989.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	16.10	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	14.30
tblVehicleTrips	CW_TTP	64.90	100.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PR_TP	73.00	100.00
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	1.32	0.00

tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	10.18	10.56
tblVehicleTrips	ST_TR	8.19	0.00
tblVehicleTrips	ST_TR	8.96	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	ST_TR	1.90	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	8.91	10.56
tblVehicleTrips	SU_TR	5.95	0.00
tblVehicleTrips	SU_TR	1.55	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	SU_TR	1.11	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	13.22	10.56
tblVehicleTrips	WD_TR	8.17	0.00
tblVehicleTrips	WD_TR	36.13	0.00
tblVehicleTrips	WD_TR	1.68	0.00
tblVehicleTrips	WD_TR	8.11	0.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00

tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	390,924.15	16,664,653.00
tblWater	IndoorWaterUseRate	16,282,312.50	16,664,653.00
tblWater	IndoorWaterUseRate	12,316,948.74	16,664,653.00
tblWater	IndoorWaterUseRate	87,841,395.51	16,664,653.00
tblWater	IndoorWaterUseRate	253,667.70	16,664,653.00
tblWater	IndoorWaterUseRate	10,201,567.70	16,664,653.00
tblWater	IndoorWaterUseRate	8,611,750.00	16,664,653.00
tblWater	IndoorWaterUseRate	205,006,874.35	16,664,653.00
tblWater	OutdoorWaterUseRate	246,452.18	1,835,289.00
tblWater	OutdoorWaterUseRate	0.00	1,835,289.00
tblWater	OutdoorWaterUseRate	7,549,097.61	1,835,289.00
tblWater	OutdoorWaterUseRate	16,731,694.38	1,835,289.00
tblWater	OutdoorWaterUseRate	28,185.30	1,835,289.00
tblWater	OutdoorWaterUseRate	1,943,155.75	1,835,289.00
tblWater	OutdoorWaterUseRate	0.00	1,835,289.00
tblWater	OutdoorWaterUseRate	0.00	1,835,289.00

tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	0.30	0.00
tblWoodstoves	NumberNoncatalytic	0.30	0.00

2.0 Emissions Summary

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	31.5475	0.1065	0.6798	6.7000e-004		0.0113	0.0113		0.0113	0.0113	0.0000	128.2572	128.2572	4.0900e-003	2.3300e-003	129.0535
Energy	1.8328	16.6607	13.9855	0.1000		1.2663	1.2663		1.2663	1.2663		19,994.6181	19,994.6181	0.3832	0.3666	20,113.4361
Mobile	13.1824	56.5925	207.7117	0.8388	81.0317	0.6004	81.6320	21.5518	0.5560	22.1077		85,364.1962	85,364.1962	3.4809		85,451.2195
Total	**46.5628**	**73.3598**	**222.3769**	**0.9394**	**81.0317**	**1.8780**	**82.9097**	**21.5518**	**1.8336**	**23.3854**	**0.0000**	**105,487.0715**	**105,487.0715**	**3.8683**	**0.3689**	**105,693.7091**

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	31.5475	0.1065	0.6798	6.7000e-004		0.0113	0.0113		0.0113	0.0113	0.0000	128.2572	128.2572	4.0900e-003	2.3300e-003	129.0535
Energy	1.8328	16.6607	13.9855	0.1000		1.2663	1.2663		1.2663	1.2663		19,994.6181	19,994.6181	0.3832	0.3666	20,113.4361
Mobile	13.1824	56.5925	207.7117	0.8388	81.0317	0.6004	81.6320	21.5518	0.5560	22.1077		85,364.1962	85,364.1962	3.4809		85,451.2195
Total	**46.5628**	**73.3598**	**222.3769**	**0.9394**	**81.0317**	**1.8780**	**82.9097**	**21.5518**	**1.8336**	**23.3854**	**0.0000**	**105,487.0715**	**105,487.0715**	**3.8683**	**0.3689**	**105,693.7091**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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**

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	13.1824	56.5925	207.7117	0.8388	81.0317	0.6004	81.6320	21.5518	0.5560	22.1077		85,364.1962	85,364.1962	3.4809		85,451.2195
Unmitigated	13.1824	56.5925	207.7117	0.8388	81.0317	0.6004	81.6320	21.5518	0.5560	22.1077		85,364.1962	85,364.1962	3.4809		85,451.2195

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
General Light Industry	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Hospital	7,392.42	7,392.42	7392.42	38,479,037	38,479,037
Hotel	0.00	0.00	0.00		
Medical Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	0.00	0.00	0.00		
Research & Development	0.00	0.00	0.00		
Total	7,392.42	7,392.42	7,392.42	38,479,037	38,479,037

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Hospital	14.30	0.00	0.00	100.00	0.00	0.00	100	0	0
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3
Research & Development	16.60	8.40	6.90	33.00	48.00	19.00	82	15	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
General Light Industry	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
General Office Building	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Hospital	0.626163	0.051128	0.238688	0.026012	0.003537	0.001510	0.004991	0.040482	0.000619	0.000478	0.006021	0.000169	0.000202
Hotel	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Medical Office Building	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Parking Lot	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Refrigerated Warehouse-No Rail	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Research & Development	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

Kilowatt Hours of Renewable Electricity Generated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.8328	16.6607	13.9855	0.1000		1.2663	1.2663		1.2663	1.2663		19,994.6181	19,994.6181	0.3832	0.3666	20,113.4361
NaturalGas Unmitigated	1.8328	16.6607	13.9855	0.1000		1.2663	1.2663		1.2663	1.2663		19,994.6181	19,994.6181	0.3832	0.3666	20,113.4361

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	248.312	2.6800e-003	0.0229	9.7400e-003	1.5000e-004		1.8500e-003	1.8500e-003		1.8500e-003	1.8500e-003		29.2131	29.2131	5.6000e-004	5.4000e-004	29.3867
General Light Industry	3819.45	0.0412	0.3745	0.3145	2.2500e-003		0.0285	0.0285		0.0285	0.0285		449.3467	449.3467	8.6100e-003	8.2400e-003	452.0170
General Office Building	2361.73	0.0255	0.2315	0.1945	1.3900e-003		0.0176	0.0176		0.0176	0.0176		277.8501	277.8501	5.3300e-003	5.0900e-003	279.5012
Hospital	136978	1.4772	13.4293	11.2806	0.0806		1.0206	1.0206		1.0206	1.0206		16,115.1144	16,115.1144	0.3089	0.2954	16,210.8785
Hotel	1038.82	0.0112	0.1018	0.0856	6.1000e-004		7.7400e-003	7.7400e-003		7.7400e-003	7.7400e-003		122.2136	122.2136	2.3400e-003	2.2400e-003	122.9399
Medical Office Building	2770.75	0.0299	0.2716	0.2282	1.6300e-003		0.0206	0.0206		0.0206	0.0206		325.9701	325.9701	6.2500e-003	5.9800e-003	327.9072
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	119.385	1.2900e-003	0.0117	9.8300e-003	7.0000e-005		8.9000e-004	8.9000e-004		8.9000e-004	8.9000e-004		14.0453	14.0453	2.7000e-004	2.6000e-004	14.1287
Research & Development	22617.4	0.2439	2.2174	1.8626	0.0133		0.1685	0.1685		0.1685	0.1685		2,660.8647	2,660.8647	0.0510	0.0488	2,676.6769
Total		**1.8328**	**16.6607**	**13.9855**	**0.1000**		**1.2663**	**1.2663**		**1.2663**	**1.2663**		**19,994.6181**	**19,994.6181**	**0.3832**	**0.3666**	**20,113.4361**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	0.248312	2.6800e-003	0.0229	9.7400e-003	1.5000e-004		1.8500e-003	1.8500e-003		1.8500e-003	1.8500e-003		29.2131	29.2131	5.6000e-004	5.4000e-004	29.3867
General Light Industry	3.81945	0.0412	0.3745	0.3145	2.2500e-003		0.0285	0.0285		0.0285	0.0285		449.3467	449.3467	8.6100e-003	8.2400e-003	452.0170
General Office Building	2.36173	0.0255	0.2315	0.1945	1.3900e-003		0.0176	0.0176		0.0176	0.0176		277.8501	277.8501	5.3300e-003	5.0900e-003	279.5012
Hospital	136.978	1.4772	13.4293	11.2806	0.0806		1.0206	1.0206		1.0206	1.0206		16,115.1144	16,115.1144	0.3089	0.2954	16,210.8785
Hotel	1.03882	0.0112	0.1018	0.0856	6.1000e-004		7.7400e-003	7.7400e-003		7.7400e-003	7.7400e-003		122.2136	122.2136	2.3400e-003	2.2400e-003	122.9399
Medical Office Building	2.77075	0.0299	0.2716	0.2282	1.6300e-003		0.0206	0.0206		0.0206	0.0206		325.9701	325.9701	6.2500e-003	5.9800e-003	327.9072
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0.119385	1.2900e-003	0.0117	9.8300e-003	7.0000e-005		8.9000e-004	8.9000e-004		8.9000e-004	8.9000e-004		14.0453	14.0453	2.7000e-004	2.6000e-004	14.1287
Research & Development	22.6174	0.2439	2.2174	1.8626	0.0133		0.1685	0.1685		0.1685	0.1685		2,660.8647	2,660.8647	0.0510	0.0488	2,676.6769
Total		**1.8328**	**16.6607**	**13.9855**	**0.1000**		**1.2663**	**1.2663**		**1.2663**	**1.2663**		**19,994.6181**	**19,994.6181**	**0.3832**	**0.3666**	**20,113.4361**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	31.5475	0.1065	0.6798	6.7000e-004		0.0113	0.0113		0.0113	0.0113	0.0000	128.2572	128.2572	4.0900e-003	2.3300e-003	129.0535
Unmitigated	31.5475	0.1065	0.6798	6.7000e-004		0.0113	0.0113		0.0113	0.0113	0.0000	128.2572	128.2572	4.0900e-003	2.3300e-003	129.0535

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	3.5986					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	27.9093					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0117	0.0995	0.0424	6.4000e-004		8.0500e-003	8.0500e-003		8.0500e-003	8.0500e-003	0.0000	127.0588	127.0588	2.4400e-003	2.3300e-003	127.8139
Landscaping	0.0280	6.9900e-003	0.6374	4.0000e-005		3.2500e-003	3.2500e-003		3.2500e-003	3.2500e-003		1.1983	1.1983	1.6500e-003		1.2396
Total	**31.5475**	**0.1065**	**0.6797**	**6.8000e-004**		**0.0113**	**0.0113**		**0.0113**	**0.0113**	**0.0000**	**128.2571**	**128.2571**	**4.0900e-003**	**2.3300e-003**	**129.0535**

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	3.5986					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	27.9093					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0117	0.0995	0.0424	6.4000e-004		8.0500e-003	8.0500e-003		8.0500e-003	8.0500e-003	0.0000	127.0588	127.0588	2.4400e-003	2.3300e-003	127.8139
Landscaping	0.0280	6.9900e-003	0.6374	4.0000e-005		3.2500e-003	3.2500e-003		3.2500e-003	3.2500e-003		1.1983	1.1983	1.6500e-003		1.2396
Total	**31.5475**	**0.1065**	**0.6797**	**6.8000e-004**		**0.0113**	**0.0113**		**0.0113**	**0.0113**	**0.0000**	**128.2571**	**128.2571**	**4.0900e-003**	**2.3300e-003**	**129.0535**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Phase 2_Existing Remaining

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	69.30	1000sqft	1.59	69,295.00	0
Hospital	700.04	1000sqft	13.58	700,044.00	0
Medical Office Building	81.30	1000sqft	13.58	81,296.00	0
Research & Development	416.94	1000sqft	13.58	416,936.00	0
General Light Industry	70.41	1000sqft	1.62	70,409.00	0
Refrigerated Warehouse-No Rail	37.24	1000sqft	0.86	37,244.00	0
Parking Lot	17.59	Acre	17.59	766,400.00	0
Hotel	10.00	Room	13.58	14,668.00	0
Apartments Low Rise	6.00	Dwelling Unit	0.14	5,958.00	17

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on phasing information provided.

Vehicle Trips - Trip generation rate and trip distance based on information provided by Fehr & Peers. For purposes of this analysis, all trips assigned to the Hospital land use.
Woodstoves - Assumes natural gas fireplaces.

Energy Use -

Water And Wastewater - Based on information provided by KPFF. Assumes no septic tanks of facultive lagoons. Assumes proportion indoor/outdoor water use for land uses for purposes of this analysis.
Solid Waste - Based on information provided in Chapter 5.16, Utilities and Service Systems, of the DEIR.

Fleet Mix - Based on Caltrans vehicle mix data for the segment of Interstate 210 west of Interstate 605.

Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblFireplaces	NumberGas	5.10	6.00
tblFireplaces	NumberNoFireplace	0.60	0.00
tblFireplaces	NumberWood	0.30	0.00
tblFleetMix	FleetMixLandUseSubType	General Office Building	Apartments Low Rise
tblFleetMix	FleetMixLandUseSubType	Hospital	General Light Industry
tblFleetMix	FleetMixLandUseSubType	Medical Office Building	General Office Building
tblFleetMix	FleetMixLandUseSubType	Research & Development	Hospital
tblFleetMix	FleetMixLandUseSubType	General Light Industry	Hotel
tblFleetMix	FleetMixLandUseSubType	Refrigerated Warehouse-No Rail	Medical Office Building
tblFleetMix	FleetMixLandUseSubType	Hotel	Refrigerated Warehouse-No Rail
tblFleetMix	FleetMixLandUseSubType	Apartments Low Rise	Research & Development
tblFleetMix	HHD	0.03	0.04
tblFleetMix	LDA	0.54	0.63
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT2	0.21	0.24
tblFleetMix	LHD1	0.01	3.5370e-003

tblFleetMix	LHD2	6.2720e-003	1.5100e-003
tblFleetMix	MCY	5.2390e-003	6.0210e-003
tblFleetMix	MDV	0.12	0.03
tblFleetMix	MH	8.4100e-004	2.0200e-004
tblFleetMix	MHD	0.02	4.9910e-003
tblFleetMix	OBUS	2.5720e-003	6.1900e-004
tblFleetMix	SBUS	7.0000e-004	1.6900e-004
tblFleetMix	UBUS	1.9840e-003	4.7800e-004
tblLandUse	BuildingSpaceSquareFeet	69,300.00	69,295.00
tblLandUse	BuildingSpaceSquareFeet	700,040.00	700,044.00
tblLandUse	BuildingSpaceSquareFeet	81,300.00	81,296.00
tblLandUse	BuildingSpaceSquareFeet	416,940.00	416,936.00
tblLandUse	BuildingSpaceSquareFeet	70,410.00	70,409.00
tblLandUse	BuildingSpaceSquareFeet	37,240.00	37,244.00
tblLandUse	BuildingSpaceSquareFeet	766,220.40	766,400.00
tblLandUse	BuildingSpaceSquareFeet	14,520.00	14,668.00
tblLandUse	BuildingSpaceSquareFeet	6,000.00	5,958.00
tblLandUse	LandUseSquareFeet	69,300.00	69,295.00
tblLandUse	LandUseSquareFeet	700,040.00	700,044.00
tblLandUse	LandUseSquareFeet	81,300.00	81,296.00
tblLandUse	LandUseSquareFeet	416,940.00	416,936.00
tblLandUse	LandUseSquareFeet	70,410.00	70,409.00
tblLandUse	LandUseSquareFeet	37,240.00	37,244.00
tblLandUse	LandUseSquareFeet	766,220.40	766,400.00
tblLandUse	LandUseSquareFeet	14,520.00	14,668.00
tblLandUse	LandUseSquareFeet	6,000.00	5,958.00
tblLandUse	LotAcreage	16.07	13.58
tblLandUse	LotAcreage	1.87	13.58

tblLandUse	LotAcreage	9.57	13.58
tblLandUse	LotAcreage	0.85	0.86
tblLandUse	LotAcreage	0.33	13.58
tblLandUse	LotAcreage	0.38	0.14
tblProjectCharacteristics	OperationalYear	2018	2025
tblSolidWaste	SolidWasteGenerationRate	2.76	7.00
tblSolidWaste	SolidWasteGenerationRate	87.31	170.00
tblSolidWaste	SolidWasteGenerationRate	64.45	167.00
tblSolidWaste	SolidWasteGenerationRate	7,560.43	7,538.00
tblSolidWaste	SolidWasteGenerationRate	5.47	48.00
tblSolidWaste	SolidWasteGenerationRate	878.04	89.00
tblSolidWaste	SolidWasteGenerationRate	35.01	97.00
tblSolidWaste	SolidWasteGenerationRate	31.68	989.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	16.10	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	14.30
tblVehicleTrips	CW_TTP	64.90	100.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PR_TP	73.00	100.00
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	10.18	10.56
tblVehicleTrips	ST_TR	8.19	0.00
tblVehicleTrips	ST_TR	8.96	0.00

tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	ST_TR	1.90	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	8.91	10.56
tblVehicleTrips	SU_TR	5.95	0.00
tblVehicleTrips	SU_TR	1.55	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	SU_TR	1.11	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	13.22	10.56
tblVehicleTrips	WD_TR	8.17	0.00
tblVehicleTrips	WD_TR	36.13	0.00
tblVehicleTrips	WD_TR	1.68	0.00
tblVehicleTrips	WD_TR	8.11	0.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00

tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	390,924.15	16,664,653.00
tblWater	IndoorWaterUseRate	16,282,312.50	16,664,653.00
tblWater	IndoorWaterUseRate	12,316,948.74	16,664,653.00
tblWater	IndoorWaterUseRate	87,841,395.51	16,664,653.00
tblWater	IndoorWaterUseRate	253,667.70	16,664,653.00
tblWater	IndoorWaterUseRate	10,201,567.70	16,664,653.00
tblWater	IndoorWaterUseRate	8,611,750.00	16,664,653.00
tblWater	IndoorWaterUseRate	205,006,874.35	16,664,653.00
tblWater	OutdoorWaterUseRate	246,452.18	1,835,289.00
tblWater	OutdoorWaterUseRate	0.00	1,835,289.00
tblWater	OutdoorWaterUseRate	7,549,097.61	1,835,289.00
tblWater	OutdoorWaterUseRate	16,731,694.38	1,835,289.00
tblWater	OutdoorWaterUseRate	28,185.30	1,835,289.00
tblWater	OutdoorWaterUseRate	1,943,155.75	1,835,289.00
tblWater	OutdoorWaterUseRate	0.00	1,835,289.00
tblWater	OutdoorWaterUseRate	0.00	1,835,289.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	0.30	0.00
tblWoodstoves	NumberNoncatalytic	0.30	0.00

2.0 Emissions Summary

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	31.5475	0.1065	0.6798	6.7000e-004		0.0113	0.0113		0.0113	0.0113	0.0000	128.2572	128.2572	4.0900e-003	2.3300e-003	129.0535
Energy	1.8328	16.6607	13.9855	0.1000		1.2663	1.2663		1.2663	1.2663		19,994.6181	19,994.6181	0.3832	0.3666	20,113.4361
Mobile	12.8019	58.0452	193.9034	0.7968	81.0317	0.6024	81.6340	21.5518	0.5579	22.1097		81,143.5445	81,143.5445	3.4609		81,230.0667
Total	**46.1822**	**74.8125**	**208.5687**	**0.8975**	**81.0317**	**1.8800**	**82.9117**	**21.5518**	**1.8355**	**23.3873**	**0.0000**	**101,266.4198**	**101,266.4198**	**3.8482**	**0.3689**	**101,472.5563**

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	31.5475	0.1065	0.6798	6.7000e-004		0.0113	0.0113		0.0113	0.0113	0.0000	128.2572	128.2572	4.0900e-003	2.3300e-003	129.0535
Energy	1.8328	16.6607	13.9855	0.1000		1.2663	1.2663		1.2663	1.2663		19,994.6181	19,994.6181	0.3832	0.3666	20,113.4361
Mobile	12.8019	58.0452	193.9034	0.7968	81.0317	0.6024	81.6340	21.5518	0.5579	22.1097		81,143.5445	81,143.5445	3.4609		81,230.0667
Total	**46.1822**	**74.8125**	**208.5687**	**0.8975**	**81.0317**	**1.8800**	**82.9117**	**21.5518**	**1.8355**	**23.3873**	**0.0000**	**101,266.4198**	**101,266.4198**	**3.8482**	**0.3689**	**101,472.5563**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	12.8019	58.0452	193.9034	0.7968	81.0317	0.6024	81.6340	21.5518	0.5579	22.1097		81,143.5445	81,143.5445	3.4609		81,230.0667
Unmitigated	12.8019	58.0452	193.9034	0.7968	81.0317	0.6024	81.6340	21.5518	0.5579	22.1097		81,143.5445	81,143.5445	3.4609		81,230.0667

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
General Light Industry	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Hospital	7,392.42	7,392.42	7392.42	38,479,037	38,479,037
Hotel	0.00	0.00	0.00		
Medical Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	0.00	0.00	0.00		
Research & Development	0.00	0.00	0.00		
Total	7,392.42	7,392.42	7,392.42	38,479,037	38,479,037

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
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Hospital	14.30	0.00	0.00	100.00	0.00	0.00	100	0	0
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3
Research & Development	16.60	8.40	6.90	33.00	48.00	19.00	82	15	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
General Light Industry	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
General Office Building	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Hospital	0.626163	0.051128	0.238688	0.026012	0.003537	0.001510	0.004991	0.040482	0.000619	0.000478	0.006021	0.000169	0.000202
Hotel	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Medical Office Building	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Parking Lot	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Refrigerated Warehouse-No Rail	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Research & Development	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

Kilowatt Hours of Renewable Electricity Generated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.8328	16.6607	13.9855	0.1000		1.2663	1.2663		1.2663	1.2663		19,994.6181	19,994.6181	0.3832	0.3666	20,113.4361
NaturalGas Unmitigated	1.8328	16.6607	13.9855	0.1000		1.2663	1.2663		1.2663	1.2663		19,994.6181	19,994.6181	0.3832	0.3666	20,113.4361

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	248.312	2.6800e-003	0.0229	9.7400e-003	1.5000e-004		1.8500e-003	1.8500e-003		1.8500e-003	1.8500e-003		29.2131	29.2131	5.6000e-004	5.4000e-004	29.3867
General Light Industry	3819.45	0.0412	0.3745	0.3145	2.2500e-003		0.0285	0.0285		0.0285	0.0285		449.3467	449.3467	8.6100e-003	8.2400e-003	452.0170
General Office Building	2361.73	0.0255	0.2315	0.1945	1.3900e-003		0.0176	0.0176		0.0176	0.0176		277.8501	277.8501	5.3300e-003	5.0900e-003	279.5012
Hospital	136978	1.4772	13.4293	11.2806	0.0806		1.0206	1.0206		1.0206	1.0206		16,115.1144	16,115.1144	0.3089	0.2954	16,210.8785
Hotel	1038.82	0.0112	0.1018	0.0856	6.1000e-004		7.7400e-003	7.7400e-003		7.7400e-003	7.7400e-003		122.2136	122.2136	2.3400e-003	2.2400e-003	122.9399
Medical Office Building	2770.75	0.0299	0.2716	0.2282	1.6300e-003		0.0206	0.0206		0.0206	0.0206		325.9701	325.9701	6.2500e-003	5.9800e-003	327.9072
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	119.385	1.2900e-003	0.0117	9.8300e-003	7.0000e-005		8.9000e-004	8.9000e-004		8.9000e-004	8.9000e-004		14.0453	14.0453	2.7000e-004	2.6000e-004	14.1287
Research & Development	22617.4	0.2439	2.2174	1.8626	0.0133		0.1685	0.1685		0.1685	0.1685		2,660.8647	2,660.8647	0.0510	0.0488	2,676.6769
Total		**1.8328**	**16.6607**	**13.9855**	**0.1000**		**1.2663**	**1.2663**		**1.2663**	**1.2663**		**19,994.6181**	**19,994.6181**	**0.3832**	**0.3666**	**20,113.4361**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	0.248312	2.6800e-003	0.0229	9.7400e-003	1.5000e-004		1.8500e-003	1.8500e-003		1.8500e-003	1.8500e-003		29.2131	29.2131	5.6000e-004	5.4000e-004	29.3867
General Light Industry	3.81945	0.0412	0.3745	0.3145	2.2500e-003		0.0285	0.0285		0.0285	0.0285		449.3467	449.3467	8.6100e-003	8.2400e-003	452.0170
General Office Building	2.36173	0.0255	0.2315	0.1945	1.3900e-003		0.0176	0.0176		0.0176	0.0176		277.8501	277.8501	5.3300e-003	5.0900e-003	279.5012
Hospital	136.978	1.4772	13.4293	11.2806	0.0806		1.0206	1.0206		1.0206	1.0206		16,115.1144	16,115.1144	0.3089	0.2954	16,210.8785
Hotel	1.03882	0.0112	0.1018	0.0856	6.1000e-004		7.7400e-003	7.7400e-003		7.7400e-003	7.7400e-003		122.2136	122.2136	2.3400e-003	2.2400e-003	122.9399
Medical Office Building	2.77075	0.0299	0.2716	0.2282	1.6300e-003		0.0206	0.0206		0.0206	0.0206		325.9701	325.9701	6.2500e-003	5.9800e-003	327.9072
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0.119385	1.2900e-003	0.0117	9.8300e-003	7.0000e-005		8.9000e-004	8.9000e-004		8.9000e-004	8.9000e-004		14.0453	14.0453	2.7000e-004	2.6000e-004	14.1287
Research & Development	22.6174	0.2439	2.2174	1.8626	0.0133		0.1685	0.1685		0.1685	0.1685		2,660.8647	2,660.8647	0.0510	0.0488	2,676.6769
Total		**1.8328**	**16.6607**	**13.9855**	**0.1000**		**1.2663**	**1.2663**		**1.2663**	**1.2663**		**19,994.6181**	**19,994.6181**	**0.3832**	**0.3666**	**20,113.4361**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	31.5475	0.1065	0.6798	6.7000e-004		0.0113	0.0113		0.0113	0.0113	0.0000	128.2572	128.2572	4.0900e-003	2.3300e-003	129.0535
Unmitigated	31.5475	0.1065	0.6798	6.7000e-004		0.0113	0.0113		0.0113	0.0113	0.0000	128.2572	128.2572	4.0900e-003	2.3300e-003	129.0535

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	3.5986					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	27.9093					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0117	0.0995	0.0424	6.4000e-004		8.0500e-003	8.0500e-003		8.0500e-003	8.0500e-003	0.0000	127.0588	127.0588	2.4400e-003	2.3300e-003	127.8139
Landscaping	0.0280	6.9900e-003	0.6374	4.0000e-005		3.2500e-003	3.2500e-003		3.2500e-003	3.2500e-003		1.1983	1.1983	1.6500e-003		1.2396
Total	**31.5475**	**0.1065**	**0.6797**	**6.8000e-004**		**0.0113**	**0.0113**		**0.0113**	**0.0113**	**0.0000**	**128.2571**	**128.2571**	**4.0900e-003**	**2.3300e-003**	**129.0535**

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	3.5986					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	27.9093					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0117	0.0995	0.0424	6.4000e-004		8.0500e-003	8.0500e-003		8.0500e-003	8.0500e-003	0.0000	127.0588	127.0588	2.4400e-003	2.3300e-003	127.8139
Landscaping	0.0280	6.9900e-003	0.6374	4.0000e-005		3.2500e-003	3.2500e-003		3.2500e-003	3.2500e-003		1.1983	1.1983	1.6500e-003		1.2396
Total	**31.5475**	**0.1065**	**0.6797**	**6.8000e-004**		**0.0113**	**0.0113**		**0.0113**	**0.0113**	**0.0000**	**128.2571**	**128.2571**	**4.0900e-003**	**2.3300e-003**	**129.0535**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Phase 2_Existing Remaining

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	69.30	1000sqft	1.59	69,295.00	0
Hospital	700.04	1000sqft	13.58	700,044.00	0
Medical Office Building	81.30	1000sqft	13.58	81,296.00	0
Research & Development	416.94	1000sqft	13.58	416,936.00	0
General Light Industry	70.41	1000sqft	1.62	70,409.00	0
Refrigerated Warehouse-No Rail	37.24	1000sqft	0.86	37,244.00	0
Parking Lot	17.59	Acre	17.59	766,400.00	0
Hotel	10.00	Room	13.58	14,668.00	0
Apartments Low Rise	6.00	Dwelling Unit	0.14	5,958.00	17

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on phasing information provided.

Vehicle Trips - Trip generation rate and trip distance based on information provided by Fehr & Peers. For purposes of this analysis, all trips assigned to the Hospital land use.

Woodstoves - Assumes natural gas fireplaces.

Energy Use -

Water And Wastewater - Based on information provided by KPFF. Assumes no septic tanks of facultive lagoons. Assumes proportion indoor/outdoor water use for land uses for purposes of this analysis.

Solid Waste - Based on information provided in Chapter 5.16, Utilities and Service Systems, of the DEIR.

Fleet Mix - Based on Caltrans vehicle mix data for the segment of Interstate 210 west of Interstate 605.

Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblFireplaces	NumberGas	5.10	6.00
tblFireplaces	NumberNoFireplace	0.60	0.00
tblFireplaces	NumberWood	0.30	0.00
tblFleetMix	FleetMixLandUseSubType	General Office Building	Apartments Low Rise
tblFleetMix	FleetMixLandUseSubType	Hospital	General Light Industry
tblFleetMix	FleetMixLandUseSubType	Medical Office Building	General Office Building
tblFleetMix	FleetMixLandUseSubType	Research & Development	Hospital
tblFleetMix	FleetMixLandUseSubType	General Light Industry	Hotel
tblFleetMix	FleetMixLandUseSubType	Refrigerated Warehouse-No Rail	Medical Office Building
tblFleetMix	FleetMixLandUseSubType	Hotel	Refrigerated Warehouse-No Rail
tblFleetMix	FleetMixLandUseSubType	Apartments Low Rise	Research & Development
tblFleetMix	HHD	0.03	0.04
tblFleetMix	LDA	0.54	0.63
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT2	0.21	0.24
tblFleetMix	LHD1	0.01	3.5370e-003

tblFleetMix	LHD2	6.2720e-003	1.5100e-003
tblFleetMix	MCY	5.2390e-003	6.0210e-003
tblFleetMix	MDV	0.12	0.03
tblFleetMix	MH	8.4100e-004	2.0200e-004
tblFleetMix	MHD	0.02	4.9910e-003
tblFleetMix	OBUS	2.5720e-003	6.1900e-004
tblFleetMix	SBUS	7.0000e-004	1.6900e-004
tblFleetMix	UBUS	1.9840e-003	4.7800e-004
tblLandUse	BuildingSpaceSquareFeet	69,300.00	69,295.00
tblLandUse	BuildingSpaceSquareFeet	700,040.00	700,044.00
tblLandUse	BuildingSpaceSquareFeet	81,300.00	81,296.00
tblLandUse	BuildingSpaceSquareFeet	416,940.00	416,936.00
tblLandUse	BuildingSpaceSquareFeet	70,410.00	70,409.00
tblLandUse	BuildingSpaceSquareFeet	37,240.00	37,244.00
tblLandUse	BuildingSpaceSquareFeet	766,220.40	766,400.00
tblLandUse	BuildingSpaceSquareFeet	14,520.00	14,668.00
tblLandUse	BuildingSpaceSquareFeet	6,000.00	5,958.00
tblLandUse	LandUseSquareFeet	69,300.00	69,295.00
tblLandUse	LandUseSquareFeet	700,040.00	700,044.00
tblLandUse	LandUseSquareFeet	81,300.00	81,296.00
tblLandUse	LandUseSquareFeet	416,940.00	416,936.00
tblLandUse	LandUseSquareFeet	70,410.00	70,409.00
tblLandUse	LandUseSquareFeet	37,240.00	37,244.00
tblLandUse	LandUseSquareFeet	766,220.40	766,400.00
tblLandUse	LandUseSquareFeet	14,520.00	14,668.00
tblLandUse	LandUseSquareFeet	6,000.00	5,958.00
tblLandUse	LotAcreage	16.07	13.58
tblLandUse	LotAcreage	1.87	13.58

tblLandUse	LotAcreage	9.57	13.58
tblLandUse	LotAcreage	0.85	0.86
tblLandUse	LotAcreage	0.33	13.58
tblLandUse	LotAcreage	0.38	0.14
tblProjectCharacteristics	OperationalYear	2018	2025
tblSolidWaste	SolidWasteGenerationRate	2.76	7.00
tblSolidWaste	SolidWasteGenerationRate	87.31	170.00
tblSolidWaste	SolidWasteGenerationRate	64.45	167.00
tblSolidWaste	SolidWasteGenerationRate	7,560.43	7,538.00
tblSolidWaste	SolidWasteGenerationRate	5.47	48.00
tblSolidWaste	SolidWasteGenerationRate	878.04	89.00
tblSolidWaste	SolidWasteGenerationRate	35.01	97.00
tblSolidWaste	SolidWasteGenerationRate	31.68	989.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	16.10	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	14.30
tblVehicleTrips	CW_TTP	64.90	100.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PR_TP	73.00	100.00
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	10.18	10.56
tblVehicleTrips	ST_TR	8.19	0.00
tblVehicleTrips	ST_TR	8.96	0.00

tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	ST_TR	1.90	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	8.91	10.56
tblVehicleTrips	SU_TR	5.95	0.00
tblVehicleTrips	SU_TR	1.55	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	SU_TR	1.11	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	13.22	10.56
tblVehicleTrips	WD_TR	8.17	0.00
tblVehicleTrips	WD_TR	36.13	0.00
tblVehicleTrips	WD_TR	1.68	0.00
tblVehicleTrips	WD_TR	8.11	0.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00

tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	390,924.15	16,664,653.00
tblWater	IndoorWaterUseRate	16,282,312.50	16,664,653.00
tblWater	IndoorWaterUseRate	12,316,948.74	16,664,653.00
tblWater	IndoorWaterUseRate	87,841,395.51	16,664,653.00
tblWater	IndoorWaterUseRate	253,667.70	16,664,653.00
tblWater	IndoorWaterUseRate	10,201,567.70	16,664,653.00
tblWater	IndoorWaterUseRate	8,611,750.00	16,664,653.00
tblWater	IndoorWaterUseRate	205,006,874.35	16,664,653.00
tblWater	OutdoorWaterUseRate	246,452.18	1,835,289.00
tblWater	OutdoorWaterUseRate	0.00	1,835,289.00
tblWater	OutdoorWaterUseRate	7,549,097.61	1,835,289.00
tblWater	OutdoorWaterUseRate	16,731,694.38	1,835,289.00
tblWater	OutdoorWaterUseRate	28,185.30	1,835,289.00
tblWater	OutdoorWaterUseRate	1,943,155.75	1,835,289.00
tblWater	OutdoorWaterUseRate	0.00	1,835,289.00
tblWater	OutdoorWaterUseRate	0.00	1,835,289.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	0.30	0.00
tblWoodstoves	NumberNoncatalytic	0.30	0.00

2.0 Emissions Summary

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	5.7538	2.1200e-003	0.0802	1.0000e-005		5.1000e-004	5.1000e-004		5.1000e-004	5.1000e-004	0.0000	1.5767	1.5767	2.1000e-004	3.0000e-005	1.5900
Energy	0.3345	3.0406	2.5524	0.0183		0.2311	0.2311		0.2311	0.2311	0.0000	11,994.7543	11,994.7543	0.4220	0.1349	12,045.4947
Mobile	2.2894	10.7633	35.9490	0.1471	14.4603	0.1093	14.5696	3.8519	0.1012	3.9531	0.0000	13,589.2089	13,589.2089	0.5697	0.0000	13,603.4515
Waste						0.0000	0.0000		0.0000	0.0000	1,848.2327	0.0000	1,848.2327	109.2274	0.0000	4,578.9183
Water						0.0000	0.0000		0.0000	0.0000	47.1678	605.0761	652.2440	0.1873	0.1077	689.0346
Total	**8.3777**	**13.8060**	**38.5816**	**0.1654**	**14.4603**	**0.3409**	**14.8012**	**3.8519**	**0.3328**	**4.1847**	**1,895.4006**	**26,190.6160**	**28,086.0166**	**110.4066**	**0.2426**	**30,918.4891**

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	5.7538	2.1200e-003	0.0802	1.0000e-005		5.1000e-004	5.1000e-004		5.1000e-004	5.1000e-004	0.0000	1.5767	1.5767	2.1000e-004	3.0000e-005	1.5900
Energy	0.3345	3.0406	2.5524	0.0183		0.2311	0.2311		0.2311	0.2311	0.0000	11,994.3735	11,994.3735	0.4220	0.1349	12,045.1126
Mobile	2.2894	10.7633	35.9490	0.1471	14.4603	0.1093	14.5696	3.8519	0.1012	3.9531	0.0000	13,589.2089	13,589.2089	0.5697	0.0000	13,603.4515
Waste						0.0000	0.0000		0.0000	0.0000	1,848.2327	0.0000	1,848.2327	109.2274	0.0000	4,578.9183
Water						0.0000	0.0000		0.0000	0.0000	47.1678	605.0761	652.2440	0.1873	0.1077	689.0346
Total	**8.3777**	**13.8060**	**38.5816**	**0.1654**	**14.4603**	**0.3409**	**14.8012**	**3.8519**	**0.3328**	**4.1847**	**1,895.4006**	**26,190.2353**	**28,085.6358**	**110.4066**	**0.2426**	**30,918.1069**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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**

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	2.2894	10.7633	35.9490	0.1471	14.4603	0.1093	14.5696	3.8519	0.1012	3.9531	0.0000	13,589.2089	13,589.2089	0.5697	0.0000	13,603.4515
Unmitigated	2.2894	10.7633	35.9490	0.1471	14.4603	0.1093	14.5696	3.8519	0.1012	3.9531	0.0000	13,589.2089	13,589.2089	0.5697	0.0000	13,603.4515

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
General Light Industry	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Hospital	7,392.42	7,392.42	7392.42	38,479,037	38,479,037
Hotel	0.00	0.00	0.00		
Medical Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	0.00	0.00	0.00		
Research & Development	0.00	0.00	0.00		
Total	7,392.42	7,392.42	7,392.42	38,479,037	38,479,037

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
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Hospital	14.30	0.00	0.00	100.00	0.00	0.00	100	0	0
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3
Research & Development	16.60	8.40	6.90	33.00	48.00	19.00	82	15	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
General Light Industry	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
General Office Building	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Hospital	0.626163	0.051128	0.238688	0.026012	0.003537	0.001510	0.004991	0.040482	0.000619	0.000478	0.006021	0.000169	0.000202
Hotel	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Medical Office Building	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Parking Lot	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Refrigerated Warehouse-No Rail	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Research & Development	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

Kilowatt Hours of Renewable Electricity Generated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	8,684.0403	8,684.0403	0.3585	0.0742	8,715.1077
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	8,684.4210	8,684.4210	0.3585	0.0742	8,715.4898
NaturalGas Mitigated	0.3345	3.0406	2.5524	0.0183		0.2311	0.2311		0.2311	0.2311	0.0000	3,310.3333	3,310.3333	0.0635	0.0607	3,330.0049
NaturalGas Unmitigated	0.3345	3.0406	2.5524	0.0183		0.2311	0.2311		0.2311	0.2311	0.0000	3,310.3333	3,310.3333	0.0635	0.0607	3,330.0049

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	90633.8	4.9000e-004	4.1800e-003	1.7800e-003	3.0000e-005		3.4000e-004	3.4000e-004		3.4000e-004	3.4000e-004	0.0000	4.8366	4.8366	9.0000e-005	9.0000e-005	4.8653
General Light Industry	1.3941e+006	7.5200e-003	0.0683	0.0574	4.1000e-004		5.1900e-003	5.1900e-003		5.1900e-003	5.1900e-003	0.0000	74.3944	74.3944	1.4300e-003	1.3600e-003	74.8365
General Office Building	862030	4.6500e-003	0.0423	0.0355	2.5000e-004		3.2100e-003	3.2100e-003		3.2100e-003	3.2100e-003	0.0000	46.0012	46.0012	8.8000e-004	8.4000e-004	46.2746
Hospital	4.99971e+007	0.2696	2.4508	2.0587	0.0147		0.1863	0.1863		0.1863	0.1863	0.0000	2,668.0379	2,668.0379	0.0511	0.0489	2,683.8927
Hotel	379168	2.0400e-003	0.0186	0.0156	1.1000e-004		1.4100e-003	1.4100e-003		1.4100e-003	1.4100e-003	0.0000	20.2338	20.2338	3.9000e-004	3.7000e-004	20.3541
Medical Office Building	1.01132e+006	5.4500e-003	0.0496	0.0416	3.0000e-004		3.7700e-003	3.7700e-003		3.7700e-003	3.7700e-003	0.0000	53.9680	53.9680	1.0300e-003	9.9000e-004	54.2887
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	43575.5	2.3000e-004	2.1400e-003	1.7900e-003	1.0000e-005		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004	0.0000	2.3254	2.3254	4.0000e-005	4.0000e-005	2.3392
Research & Development	8.25533e+006	0.0445	0.4047	0.3399	2.4300e-003		0.0308	0.0308		0.0308	0.0308	0.0000	440.5360	440.5360	8.4400e-003	8.0800e-003	443.1539
Total		**0.3345**	**3.0406**	**2.5524**	**0.0183**		**0.2311**	**0.2311**		**0.2311**	**0.2311**	**0.0000**	**3,310.3333**	**3,310.3333**	**0.0634**	**0.0607**	**3,330.0049**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	90633.8	4.9000e-004	4.1800e-003	1.7800e-003	3.0000e-005		3.4000e-004	3.4000e-004		3.4000e-004	3.4000e-004	0.0000	4.8366	4.8366	9.0000e-005	9.0000e-005	4.8653
General Light Industry	1.3941e+006	7.5200e-003	0.0683	0.0574	4.1000e-004		5.1900e-003	5.1900e-003		5.1900e-003	5.1900e-003	0.0000	74.3944	74.3944	1.4300e-003	1.3600e-003	74.8365
General Office Building	862030	4.6500e-003	0.0423	0.0355	2.5000e-004		3.2100e-003	3.2100e-003		3.2100e-003	3.2100e-003	0.0000	46.0012	46.0012	8.8000e-004	8.4000e-004	46.2746
Hospital	4.99971e+007	0.2696	2.4508	2.0587	0.0147		0.1863	0.1863		0.1863	0.1863	0.0000	2,668.0379	2,668.0379	0.0511	0.0489	2,683.8927
Hotel	379168	2.0400e-003	0.0186	0.0156	1.1000e-004		1.4100e-003	1.4100e-003		1.4100e-003	1.4100e-003	0.0000	20.2338	20.2338	3.9000e-004	3.7000e-004	20.3541
Medical Office Building	1.01132e+006	5.4500e-003	0.0496	0.0416	3.0000e-004		3.7700e-003	3.7700e-003		3.7700e-003	3.7700e-003	0.0000	53.9680	53.9680	1.0300e-003	9.9000e-004	54.2887
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	43575.5	2.3000e-004	2.1400e-003	1.7900e-003	1.0000e-005		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004	0.0000	2.3254	2.3254	4.0000e-005	4.0000e-005	2.3392
Research & Development	8.25533e+006	0.0445	0.4047	0.3399	2.4300e-003		0.0308	0.0308		0.0308	0.0308	0.0000	440.5360	440.5360	8.4400e-003	8.0800e-003	443.1539
Total		**0.3345**	**3.0406**	**2.5524**	**0.0183**		**0.2311**	**0.2311**		**0.2311**	**0.2311**	**0.0000**	**3,310.3333**	**3,310.3333**	**0.0634**	**0.0607**	**3,330.0049**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	22365.5	7.1261	2.9000e-004	6.0000e-005	7.1516
General Light Industry	882929	281.3201	0.0116	2.4000e-003	282.3265
General Office Building	1.05606e+006	336.4820	0.0139	2.8700e-003	337.6858
Hospital	1.73681e+007	5,533.8461	0.2285	0.0473	5,553.6436
Hotel	132892	42.3423	1.7500e-003	3.6000e-004	42.4937
Medical Office Building	1.23895e+006	394.7564	0.0163	3.3700e-003	396.1686
Parking Lot	674432	214.8885	8.8700e-003	1.8400e-003	215.6573
Refrigerated Warehouse-No Rail	652142	207.7866	8.5800e-003	1.7700e-003	208.5299
Research & Development	5.22838e+006	1,665.8731	0.0688	0.0142	1,671.8328
Total		**8,684.4210**	**0.3585**	**0.0742**	**8,715.4898**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	22232.8	7.0838	2.9000e-004	6.0000e-005	7.1092
General Light Industry	882796	281.2778	0.0116	2.4000e-003	282.2840
General Office Building	1.05592e+006	336.4397	0.0139	2.8700e-003	337.6433
Hospital	1.7368e+007	5,533.8038	0.2285	0.0473	5,553.6011
Hotel	132759	42.3000	1.7500e-003	3.6000e-004	42.4513
Medical Office Building	1.23882e+006	394.7140	0.0163	3.3700e-003	396.1261
Parking Lot	674299	214.8462	8.8700e-003	1.8400e-003	215.6148
Refrigerated Warehouse-No Rail	652010	207.7443	8.5800e-003	1.7700e-003	208.4875
Research & Development	5.22824e+006	1,665.8308	0.0688	0.0142	1,671.7903
Total		**8,684.0403**	**0.3585**	**0.0742**	**8,715.1077**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	5.7538	2.1200e-003	0.0802	1.0000e-005		5.1000e-004	5.1000e-004		5.1000e-004	5.1000e-004	0.0000	1.5767	1.5767	2.1000e-004	3.0000e-005	1.5900
Unmitigated	5.7538	2.1200e-003	0.0802	1.0000e-005		5.1000e-004	5.1000e-004		5.1000e-004	5.1000e-004	0.0000	1.5767	1.5767	2.1000e-004	3.0000e-005	1.5900

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.6567					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.0935					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.5000e-004	1.2400e-003	5.3000e-004	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	1.4408	1.4408	3.0000e-005	3.0000e-005	1.4494
Landscaping	3.5000e-003	8.7000e-004	0.0797	0.0000		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004	0.0000	0.1359	0.1359	1.9000e-004	0.0000	0.1406
Total	**5.7538**	**2.1100e-003**	**0.0802**	**1.0000e-005**		**5.1000e-004**	**5.1000e-004**		**5.1000e-004**	**5.1000e-004**	**0.0000**	**1.5767**	**1.5767**	**2.2000e-004**	**3.0000e-005**	**1.5900**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.6567					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.0935					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.5000e-004	1.2400e-003	5.3000e-004	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	1.4408	1.4408	3.0000e-005	3.0000e-005	1.4494
Landscaping	3.5000e-003	8.7000e-004	0.0797	0.0000		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004	0.0000	0.1359	0.1359	1.9000e-004	0.0000	0.1406
Total	**5.7538**	**2.1100e-003**	**0.0802**	**1.0000e-005**		**5.1000e-004**	**5.1000e-004**		**5.1000e-004**	**5.1000e-004**	**0.0000**	**1.5767**	**1.5767**	**2.2000e-004**	**3.0000e-005**	**1.5900**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	652.2440	0.1873	0.1077	689.0346
Unmitigated	652.2440	0.1873	0.1077	689.0346

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	16.6647 / 1.83529	81.5305	0.0234	0.0135	86.1293
General Light Industry	16.6647 / 1.83529	81.5305	0.0234	0.0135	86.1293
General Office Building	16.6647 / 1.83529	81.5305	0.0234	0.0135	86.1293
Hospital	16.6647 / 1.83529	81.5305	0.0234	0.0135	86.1293
Hotel	16.6647 / 1.83529	81.5305	0.0234	0.0135	86.1293
Medical Office Building	16.6647 / 1.83529	81.5305	0.0234	0.0135	86.1293
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	16.6647 / 1.83529	81.5305	0.0234	0.0135	86.1293
Research & Development	16.6647 / 1.83529	81.5305	0.0234	0.0135	86.1293
Total		**652.2440**	**0.1874**	**0.1078**	**689.0346**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	16.6647 / 1.83529	81.5305	0.0234	0.0135	86.1293
General Light Industry	16.6647 / 1.83529	81.5305	0.0234	0.0135	86.1293
General Office Building	16.6647 / 1.83529	81.5305	0.0234	0.0135	86.1293
Hospital	16.6647 / 1.83529	81.5305	0.0234	0.0135	86.1293
Hotel	16.6647 / 1.83529	81.5305	0.0234	0.0135	86.1293
Medical Office Building	16.6647 / 1.83529	81.5305	0.0234	0.0135	86.1293
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	16.6647 / 1.83529	81.5305	0.0234	0.0135	86.1293
Research & Development	16.6647 / 1.83529	81.5305	0.0234	0.0135	86.1293
Total		**652.2440**	**0.1874**	**0.1078**	**689.0346**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	1,848.2327	109.2274	0.0000	4,578.9183
Unmitigated	1,848.2327	109.2274	0.0000	4,578.9183

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	7	1.4209	0.0840	0.0000	3.5203
General Light Industry	170	34.5085	2.0394	0.0000	85.4933
General Office Building	167	33.8995	2.0034	0.0000	83.9846
Hospital	7538	1,530.1459	90.4290	0.0000	3,790.8717
Hotel	48	9.7436	0.5758	0.0000	24.1393
Medical Office Building	89	18.0662	1.0677	0.0000	44.7582
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	97	19.6901	1.1637	0.0000	48.7815
Research & Development	989	200.7581	11.8645	0.0000	497.3696
Total		**1,848.2327**	**109.2274**	**0.0000**	**4,578.9183**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	7	1.4209	0.0840	0.0000	3.5203
General Light Industry	170	34.5085	2.0394	0.0000	85.4933
General Office Building	167	33.8995	2.0034	0.0000	83.9846
Hospital	7538	1,530.1459	90.4290	0.0000	3,790.8717
Hotel	48	9.7436	0.5758	0.0000	24.1393
Medical Office Building	89	18.0662	1.0677	0.0000	44.7582
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	97	19.6901	1.1637	0.0000	48.7815
Research & Development	989	200.7581	11.8645	0.0000	497.3696
Total		**1,848.2327**	**109.2274**	**0.0000**	**4,578.9183**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Phase 2_Existing Remaining

Los Angeles-South Coast, Summary Report

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	69.30	1000sqft	1.59	69,295.00	0
Hospital	700.04	1000sqft	13.58	700,044.00	0
Medical Office Building	81.30	1000sqft	13.58	81,296.00	0
Research & Development	416.94	1000sqft	13.58	416,936.00	0
General Light Industry	70.41	1000sqft	1.62	70,409.00	0
Refrigerated Warehouse-No Rail	37.24	1000sqft	0.86	37,244.00	0
Parking Lot	17.59	Acre	17.59	766,400.00	0
Hotel	10.00	Room	13.58	14,668.00	0
Apartments Low Rise	6.00	Dwelling Unit	0.14	5,958.00	17

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments

Only CalEEMod defaults were used.

Project Characteristics -

Land Use - Based on phasing information provided.

Vehicle Trips - Trip generation rate and trip distance based on information provided by Fehr & Peers. For purposes of this analysis, all trips assigned to the Hospital land use.

Woodstoves - Assumes natural gas fireplaces.

Energy Use -

Water And Wastewater - Based on information provided by KPFF. Assumes no septic tanks of facultive lagoons. Assumes proportion indoor/outdoor water use for land uses for purposes of this analysis.

Solid Waste - Based on information provided in Chapter 5.16, Utilities and Service Systems, of the DEIR.

Fleet Mix - Based on Caltrans vehicle mix data for the segment of Interstate 210 west of Interstate 605.

Energy Mitigation -

2.0 Peak Daily Emissions

Peak Daily Operational Emissions

Peak Daily Operational Emissions

		Unmitigated						Mitigated					
		ROG	NOX	CO	SO2	PM10	PM2.5	ROG	NOX	CO	SO2	PM10	PM2.5
	Operational Activity	lb/day											
On-Site	Area	31.5475 S	0.1065 S	0.6798 S	6.7000e-004 S	0.0113 S	0.0113 S	31.5475 S	0.1065 S	0.6798 S	6.7000e-004 S	0.0113 S	0.0113 S
On-Site	Energy	1.8328 S	16.6607 S	13.9855 S	0.1000 S	1.2663 S	1.2663 S	1.8328 S	16.6607 S	13.9855 S	0.1000 S	1.2663 S	1.2663 S
Off-Site	Mobile	13.1824 S	58.0452 W	207.7117 S	0.8388 S	81.6340 W	22.1097 W	13.1824 S	58.0452 W	207.7117 S	0.8388 S	81.6340 W	22.1097 W
	Peak Daily Total	46.5628 S	74.8125 W	222.3769 S	0.9394 S	82.9117 W	23.3873 W	46.5628 S	74.8125 W	222.3769 S	0.9394 S	82.9117 W	23.3873 W
	Air District Threshold												
	Exceed Significance?												

3.0 Annual GHG Emissions

Annual GHG

Annual GHG

		Unmitigated				Mitigated			
		CO2	CH4	N2O	CO2e	CO2	CH4	N2O	CO2e
GHG Activity	Year	MT/yr							
Operational	2025	28,086.0166	110.4067	0.2426	30,918.4910	28,085.6358	110.4066	0.2426	30,918.1073
	Total								
	Significance Threshold								
	Exceed Significance?								

Phase 2_Existing Remaining

Los Angeles-South Coast County, Mitigation Report

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting:

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value 3
No	Land Use	Increase Density	0.00			
No	Land Use	Increase Diversity	0.11	0.34		
No	Land Use	Improve Walkability Design	0.00			
No	Land Use	Improve Destination Accessibility	0.00			
No	Land Use	Increase Transit Accessibility	0.25			

No	Land Use	Integrate Below Market Rate Housing	0.00			
	Land Use	Land Use SubTotal	0.00			
No	Neighborhood Enhancements	Improve Pedestrian Network				
No	Neighborhood Enhancements	Provide Traffic Calming Measures				
No	Neighborhood Enhancements	Implement NEV Network	0.00			
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00			
No	Parking Policy Pricing	Limit Parking Supply	0.00			
No	Parking Policy Pricing	Unbundle Parking Costs	0.00			
No	Parking Policy Pricing	On-street Market Pricing	0.00			
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00			
No	Transit Improvements	Provide BRT System	0.00			
No	Transit Improvements	Expand Transit Network	0.00			
No	Transit Improvements	Increase Transit Frequency	0.00			
	Transit Improvements	Transit Improvements Subtotal	0.00			
		Land Use and Site Enhancement Subtotal	0.00			
No	Commute	Implement Trip Reduction Program				
No	Commute	Transit Subsidy				
No	Commute	Implement Employee Parking "Cash Out"				
No	Commute	Workplace Parking Charge				
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00			
No	Commute	Market Commute Trip Reduction Option	0.00			
No	Commute	Employee Vanpool/Shuttle	0.00		2.00	
No	Commute	Provide Ride Sharing Program				
	Commute	Commute Subtotal	0.00			
No	School Trip	Implement School Bus Program	0.00			
		Total VMT Reduction	0.00			

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
No	No Hearth	
No	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	50.00
No	Use Low VOC Paint (Residential Exterior)	50.00
No	Use Low VOC Paint (Non-residential Interior)	100.00
No	Use Low VOC Paint (Non-residential Exterior)	100.00
No	Use Low VOC Paint (Parking)	100.00
No	% Electric Lawnmower	
No	% Electric Leafblower	
No	% Electric Chainsaw	

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Exceed Title 24		
No	Install High Efficiency Lighting		
Yes	On-site Renewable	1,195.00	

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Apply Water Conservation on Strategy		
No	Use Reclaimed Water		
No	Use Grey Water		
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction		
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape		

Solid Waste Mitigation

Mitigation Measures	Input Value
Institute Recycling and Composting Services	
Percent Reduction in Waste Disposed	

CalEEMod Output: Operation – Existing Remaining (Phase 3)

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Phase 3_Existing Remaining

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	40.30	1000sqft	0.93	40,295.00	0
Hospital	629.54	1000sqft	11.73	629,544.00	0
Medical Office Building	68.30	1000sqft	11.73	68,296.00	0
Research & Development	416.94	1000sqft	11.73	416,936.00	0
General Light Industry	70.41	1000sqft	1.62	70,409.00	0
Refrigerated Warehouse-No Rail	10.74	1000sqft	0.25	10,744.00	0
Parking Lot	16.19	Acre	16.19	705,200.00	0
Hotel	1.00	Room	11.73	168.00	0
Apartments Low Rise	6.00	Dwelling Unit	0.14	5,958.00	17

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2030
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on phasing plan.

Vehicle Trips - Trip generation rate and trip distance based on information provided by Fehr & Peers. For purposes of this analysis, all trips assigned to the Hospital land use.
Woodstoves - Assumes all natural gas fireplaces.

Energy Use -

Water And Wastewater - Based on information provided by KPFF. Assumes no septic tanks of facultive lagoons. Assumes proportion indoor/outdoor water use for land uses for purposes of this analysis.
Solid Waste - Based on information provided in Chapter 5.16, Utilities and Service Systems, of the DEIR.

Fleet Mix - Based on Caltrans vehicle mix data for the segment of Interstate 210 west of Interstate 605.

Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblFireplaces	NumberGas	5.10	6.00
tblFireplaces	NumberNoFireplace	0.60	0.00
tblFireplaces	NumberWood	0.30	0.00
tblFleetMix	FleetMixLandUseSubType	General Office Building	Apartments Low Rise
tblFleetMix	FleetMixLandUseSubType	Hospital	General Light Industry
tblFleetMix	FleetMixLandUseSubType	Medical Office Building	General Office Building
tblFleetMix	FleetMixLandUseSubType	Research & Development	Hospital
tblFleetMix	FleetMixLandUseSubType	General Light Industry	Hotel
tblFleetMix	FleetMixLandUseSubType	Refrigerated Warehouse-No Rail	Medical Office Building
tblFleetMix	FleetMixLandUseSubType	Hotel	Refrigerated Warehouse-No Rail
tblFleetMix	FleetMixLandUseSubType	Apartments Low Rise	Research & Development
tblFleetMix	HHD	0.03	0.04
tblFleetMix	LDA	0.54	0.62
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT2	0.21	0.24

tblFleetMix	LHD1	0.01	3.3320e-003
tblFleetMix	LHD2	6.3670e-003	1.5450e-003
tblFleetMix	MCY	5.2970e-003	6.0890e-003
tblFleetMix	MDV	0.12	0.03
tblFleetMix	MH	8.1200e-004	1.9700e-004
tblFleetMix	MHD	0.02	5.1970e-003
tblFleetMix	OBUS	2.6370e-003	6.4000e-004
tblFleetMix	SBUS	7.1900e-004	1.7400e-004
tblFleetMix	UBUS	1.7340e-003	4.2100e-004
tblLandUse	BuildingSpaceSquareFeet	40,300.00	40,295.00
tblLandUse	BuildingSpaceSquareFeet	629,540.00	629,544.00
tblLandUse	BuildingSpaceSquareFeet	68,300.00	68,296.00
tblLandUse	BuildingSpaceSquareFeet	416,940.00	416,936.00
tblLandUse	BuildingSpaceSquareFeet	70,410.00	70,409.00
tblLandUse	BuildingSpaceSquareFeet	10,740.00	10,744.00
tblLandUse	BuildingSpaceSquareFeet	705,236.40	705,200.00
tblLandUse	BuildingSpaceSquareFeet	1,452.00	168.00
tblLandUse	BuildingSpaceSquareFeet	6,000.00	5,958.00
tblLandUse	LandUseSquareFeet	40,300.00	40,295.00
tblLandUse	LandUseSquareFeet	629,540.00	629,544.00
tblLandUse	LandUseSquareFeet	68,300.00	68,296.00
tblLandUse	LandUseSquareFeet	416,940.00	416,936.00
tblLandUse	LandUseSquareFeet	70,410.00	70,409.00
tblLandUse	LandUseSquareFeet	10,740.00	10,744.00
tblLandUse	LandUseSquareFeet	705,236.40	705,200.00
tblLandUse	LandUseSquareFeet	1,452.00	168.00
tblLandUse	LandUseSquareFeet	6,000.00	5,958.00

tblLandUse	LotAcreage	14.45	11.73
tblLandUse	LotAcreage	1.57	11.73
tblLandUse	LotAcreage	9.57	11.73
tblLandUse	LotAcreage	0.03	11.73
tblLandUse	LotAcreage	0.38	0.14
tblProjectCharacteristics	OperationalYear	2018	2030
tblSolidWaste	SolidWasteGenerationRate	2.76	7.00
tblSolidWaste	SolidWasteGenerationRate	87.31	170.00
tblSolidWaste	SolidWasteGenerationRate	37.48	97.00
tblSolidWaste	SolidWasteGenerationRate	6,799.03	6,779.00
tblSolidWaste	SolidWasteGenerationRate	0.55	1.00
tblSolidWaste	SolidWasteGenerationRate	737.64	75.00
tblSolidWaste	SolidWasteGenerationRate	10.10	28.00
tblSolidWaste	SolidWasteGenerationRate	31.68	989.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	16.10	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	14.30
tblVehicleTrips	CW_TTP	64.90	100.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PR_TP	73.00	100.00
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	10.18	11.16

tblVehicleTrips	ST_TR	8.19	0.00
tblVehicleTrips	ST_TR	8.96	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	ST_TR	1.90	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	8.91	11.16
tblVehicleTrips	SU_TR	5.95	0.00
tblVehicleTrips	SU_TR	1.55	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	SU_TR	1.11	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	13.22	11.16
tblVehicleTrips	WD_TR	8.17	0.00
tblVehicleTrips	WD_TR	36.13	0.00
tblVehicleTrips	WD_TR	1.68	0.00
tblVehicleTrips	WD_TR	8.11	0.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00

tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	390,924.15	15,343,774.00
tblWater	IndoorWaterUseRate	16,282,312.50	15,343,774.00
tblWater	IndoorWaterUseRate	7,162,670.04	15,343,774.00
tblWater	IndoorWaterUseRate	78,995,017.62	15,343,774.00
tblWater	IndoorWaterUseRate	25,366.77	15,343,774.00
tblWater	IndoorWaterUseRate	8,570,320.72	15,343,774.00
tblWater	IndoorWaterUseRate	2,483,625.00	15,343,774.00
tblWater	IndoorWaterUseRate	205,006,874.35	15,343,774.00
tblWater	OutdoorWaterUseRate	246,452.18	1,689,263.00
tblWater	OutdoorWaterUseRate	0.00	1,689,263.00
tblWater	OutdoorWaterUseRate	4,390,023.58	1,689,263.00
tblWater	OutdoorWaterUseRate	15,046,670.02	1,689,263.00
tblWater	OutdoorWaterUseRate	2,818.53	1,689,263.00
tblWater	OutdoorWaterUseRate	1,632,442.04	1,689,263.00
tblWater	OutdoorWaterUseRate	0.00	1,689,263.00
tblWater	OutdoorWaterUseRate	0.00	1,689,263.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	0.30	0.00
tblWoodstoves	NumberNoncatalytic	0.30	0.00

2.0 Emissions Summary

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	28.0904	0.1064	0.6634	6.7000e-004		0.0112	0.0112		0.0112	0.0112	0.0000	128.2245	128.2245	3.9900e-003	2.3300e-003	129.0184
Energy	1.6566	15.0589	12.6400	0.0904		1.1446	1.1446		1.1446	1.1446		18,072.4843	18,072.4843	0.3464	0.3313	18,179.8801
Mobile	10.3832	47.4156	158.8976	0.7054	77.0051	0.4328	77.4379	20.4797	0.4007	20.8804		71,993.4428	71,993.4428	2.8222		72,063.9965
Total	**40.1303**	**62.5809**	**172.2010**	**0.7964**	**77.0051**	**1.5886**	**78.5937**	**20.4797**	**1.5565**	**22.0362**	**0.0000**	**90,194.1516**	**90,194.1516**	**3.1725**	**0.3337**	**90,372.8949**

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	28.0904	0.1064	0.6634	6.7000e-004		0.0112	0.0112		0.0112	0.0112	0.0000	128.2245	128.2245	3.9900e-003	2.3300e-003	129.0184
Energy	1.6566	15.0589	12.6400	0.0904		1.1446	1.1446		1.1446	1.1446		18,072.4843	18,072.4843	0.3464	0.3313	18,179.8801
Mobile	10.3832	47.4156	158.8976	0.7054	77.0051	0.4328	77.4379	20.4797	0.4007	20.8804		71,993.4428	71,993.4428	2.8222		72,063.9965
Total	**40.1303**	**62.5809**	**172.2010**	**0.7964**	**77.0051**	**1.5886**	**78.5937**	**20.4797**	**1.5565**	**22.0362**	**0.0000**	**90,194.1516**	**90,194.1516**	**3.1725**	**0.3337**	**90,372.8949**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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**

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	10.3832	47.4156	158.8976	0.7054	77.0051	0.4328	77.4379	20.4797	0.4007	20.8804		71,993.4428	71,993.4428	2.8222		72,063.9965
Unmitigated	10.3832	47.4156	158.8976	0.7054	77.0051	0.4328	77.4379	20.4797	0.4007	20.8804		71,993.4428	71,993.4428	2.8222		72,063.9965

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
General Light Industry	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Hospital	7,025.67	7,025.67	7025.67	36,569,999	36,569,999
Hotel	0.00	0.00	0.00		
Medical Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	0.00	0.00	0.00		
Research & Development	0.00	0.00	0.00		
Total	7,025.67	7,025.67	7,025.67	36,569,999	36,569,999

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
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Hospital	14.30	0.00	0.00	100.00	0.00	0.00	100	0	0
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3
Research & Development	16.60	8.40	6.90	33.00	48.00	19.00	82	15	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812
General Light Industry	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812
General Office Building	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812
Hospital	0.623085	0.050643	0.242183	0.026012	0.003332	0.001545	0.005197	0.040482	0.000640	0.000421	0.006089	0.000174	0.000197
Hotel	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812
Medical Office Building	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812
Parking Lot	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812
Refrigerated Warehouse-No Rail	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812
Research & Development	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

Kilowatt Hours of Renewable Electricity Generated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.6566	15.0589	12.6400	0.0904		1.1446	1.1446		1.1446	1.1446		18,072.4843	18,072.4843	0.3464	0.3313	18,179.8801
NaturalGas Unmitigated	1.6566	15.0589	12.6400	0.0904		1.1446	1.1446		1.1446	1.1446		18,072.4843	18,072.4843	0.3464	0.3313	18,179.8801

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	248.312	2.6800e-003	0.0229	9.7400e-003	1.5000e-004		1.8500e-003	1.8500e-003		1.8500e-003	1.8500e-003		29.2131	29.2131	5.6000e-004	5.4000e-004	29.3867
General Light Industry	3819.45	0.0412	0.3745	0.3145	2.2500e-003		0.0285	0.0285		0.0285	0.0285		449.3467	449.3467	8.6100e-003	8.2400e-003	452.0170
General Office Building	1373.34	0.0148	0.1346	0.1131	8.1000e-004		0.0102	0.0102		0.0102	0.0102		161.5696	161.5696	3.1000e-003	2.9600e-003	162.5298
Hospital	123184	1.3285	12.0768	10.1445	0.0725		0.9178	0.9178		0.9178	0.9178		14,492.1942	14,492.1942	0.2778	0.2657	14,578.3141
Hotel	11.8981	1.3000e-004	1.1700e-003	9.8000e-004	1.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		1.3998	1.3998	3.0000e-005	3.0000e-005	1.4081
Medical Office Building	2327.68	0.0251	0.2282	0.1917	1.3700e-003		0.0173	0.0173		0.0173	0.0173		273.8444	273.8444	5.2500e-003	5.0200e-003	275.4717
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	34.4397	3.7000e-004	3.3800e-003	2.8400e-003	2.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		4.0517	4.0517	8.0000e-005	7.0000e-005	4.0758
Research & Development	22617.4	0.2439	2.2174	1.8626	0.0133		0.1685	0.1685		0.1685	0.1685		2,660.8647	2,660.8647	0.0510	0.0488	2,676.6769
Total		**1.6566**	**15.0590**	**12.6400**	**0.0904**		**1.1446**	**1.1446**		**1.1446**	**1.1446**		**18,072.4843**	**18,072.4843**	**0.3464**	**0.3313**	**18,179.8800**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	0.248312	2.6800e-003	0.0229	9.7400e-003	1.5000e-004		1.8500e-003	1.8500e-003		1.8500e-003	1.8500e-003		29.2131	29.2131	5.6000e-004	5.4000e-004	29.3867
General Light Industry	3.81945	0.0412	0.3745	0.3145	2.2500e-003		0.0285	0.0285		0.0285	0.0285		449.3467	449.3467	8.6100e-003	8.2400e-003	452.0170
General Office Building	1.37334	0.0148	0.1346	0.1131	8.1000e-004		0.0102	0.0102		0.0102	0.0102		161.5696	161.5696	3.1000e-003	2.9600e-003	162.5298
Hospital	123.184	1.3285	12.0768	10.1445	0.0725		0.9178	0.9178		0.9178	0.9178		14,492.1942	14,492.1942	0.2778	0.2657	14,578.3141
Hotel	0.0118981	1.3000e-004	1.1700e-003	9.8000e-004	1.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		1.3998	1.3998	3.0000e-005	3.0000e-005	1.4081
Medical Office Building	2.32768	0.0251	0.2282	0.1917	1.3700e-003		0.0173	0.0173		0.0173	0.0173		273.8444	273.8444	5.2500e-003	5.0200e-003	275.4717
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0.0344397	3.7000e-004	3.3800e-003	2.8400e-003	2.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		4.0517	4.0517	8.0000e-005	7.0000e-005	4.0758
Research & Development	22.6174	0.2439	2.2174	1.8626	0.0133		0.1685	0.1685		0.1685	0.1685		2,660.8647	2,660.8647	0.0510	0.0488	2,676.6769
Total		**1.6566**	**15.0590**	**12.6400**	**0.0904**		**1.1446**	**1.1446**		**1.1446**	**1.1446**		**18,072.4843**	**18,072.4843**	**0.3464**	**0.3313**	**18,179.8800**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	28.0904	0.1064	0.6634	6.7000e-004		0.0112	0.0112		0.0112	0.0112	0.0000	128.2245	128.2245	3.9900e-003	2.3300e-003	129.0184
Unmitigated	28.0904	0.1064	0.6634	6.7000e-004		0.0112	0.0112		0.0112	0.0112	0.0000	128.2245	128.2245	3.9900e-003	2.3300e-003	129.0184

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	3.2040					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	24.8483					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0117	0.0995	0.0424	6.4000e-004		8.0500e-003	8.0500e-003		8.0500e-003	8.0500e-003	0.0000	127.0588	127.0588	2.4400e-003	2.3300e-003	127.8139
Landscaping	0.0264	6.8400e-003	0.6210	4.0000e-005		3.2000e-003	3.2000e-003		3.2000e-003	3.2000e-003		1.1656	1.1656	1.5600e-003		1.2045
Total	**28.0904**	**0.1064**	**0.6634**	**6.8000e-004**		**0.0113**	**0.0113**		**0.0113**	**0.0113**	**0.0000**	**128.2245**	**128.2245**	**4.0000e-003**	**2.3300e-003**	**129.0184**

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	3.2040					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	24.8483					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0117	0.0995	0.0424	6.4000e-004		8.0500e-003	8.0500e-003		8.0500e-003	8.0500e-003	0.0000	127.0588	127.0588	2.4400e-003	2.3300e-003	127.8139
Landscaping	0.0264	6.8400e-003	0.6210	4.0000e-005		3.2000e-003	3.2000e-003		3.2000e-003	3.2000e-003		1.1656	1.1656	1.5600e-003		1.2045
Total	**28.0904**	**0.1064**	**0.6634**	**6.8000e-004**		**0.0113**	**0.0113**		**0.0113**	**0.0113**	**0.0000**	**128.2245**	**128.2245**	**4.0000e-003**	**2.3300e-003**	**129.0184**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Phase 3_Existing Remaining

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	40.30	1000sqft	0.93	40,295.00	0
Hospital	629.54	1000sqft	11.73	629,544.00	0
Medical Office Building	68.30	1000sqft	11.73	68,296.00	0
Research & Development	416.94	1000sqft	11.73	416,936.00	0
General Light Industry	70.41	1000sqft	1.62	70,409.00	0
Refrigerated Warehouse-No Rail	10.74	1000sqft	0.25	10,744.00	0
Parking Lot	16.19	Acre	16.19	705,200.00	0
Hotel	1.00	Room	11.73	168.00	0
Apartments Low Rise	6.00	Dwelling Unit	0.14	5,958.00	17

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2030
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on phasing plan.

Vehicle Trips - Trip generation rate and trip distance based on information provided by Fehr & Peers. For purposes of this analysis, all trips assigned to the Hospital land use.

Woodstoves - Assumes all natural gas fireplaces.

Energy Use -

Water And Wastewater - Based on information provided by KPFF. Assumes no septic tanks of facultive lagoons. Assumes proportion indoor/outdoor water use for land uses for purposes of this analysis.

Solid Waste - Based on information provided in Chapter 5.16, Utilities and Service Systems, of the DEIR.

Fleet Mix - Based on Caltrans vehicle mix data for the segment of Interstate 210 west of Interstate 605.

Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblFireplaces	NumberGas	5.10	6.00
tblFireplaces	NumberNoFireplace	0.60	0.00
tblFireplaces	NumberWood	0.30	0.00
tblFleetMix	FleetMixLandUseSubType	General Office Building	Apartments Low Rise
tblFleetMix	FleetMixLandUseSubType	Hospital	General Light Industry
tblFleetMix	FleetMixLandUseSubType	Medical Office Building	General Office Building
tblFleetMix	FleetMixLandUseSubType	Research & Development	Hospital
tblFleetMix	FleetMixLandUseSubType	General Light Industry	Hotel
tblFleetMix	FleetMixLandUseSubType	Refrigerated Warehouse-No Rail	Medical Office Building
tblFleetMix	FleetMixLandUseSubType	Hotel	Refrigerated Warehouse-No Rail
tblFleetMix	FleetMixLandUseSubType	Apartments Low Rise	Research & Development
tblFleetMix	HHD	0.03	0.04
tblFleetMix	LDA	0.54	0.62
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT2	0.21	0.24
tblFleetMix	LHD1	0.01	3.3320e-003

tblFleetMix	LHD2	6.3670e-003	1.5450e-003
tblFleetMix	MCY	5.2970e-003	6.0890e-003
tblFleetMix	MDV	0.12	0.03
tblFleetMix	MH	8.1200e-004	1.9700e-004
tblFleetMix	MHD	0.02	5.1970e-003
tblFleetMix	OBUS	2.6370e-003	6.4000e-004
tblFleetMix	SBUS	7.1900e-004	1.7400e-004
tblFleetMix	UBUS	1.7340e-003	4.2100e-004
tblLandUse	BuildingSpaceSquareFeet	40,300.00	40,295.00
tblLandUse	BuildingSpaceSquareFeet	629,540.00	629,544.00
tblLandUse	BuildingSpaceSquareFeet	68,300.00	68,296.00
tblLandUse	BuildingSpaceSquareFeet	416,940.00	416,936.00
tblLandUse	BuildingSpaceSquareFeet	70,410.00	70,409.00
tblLandUse	BuildingSpaceSquareFeet	10,740.00	10,744.00
tblLandUse	BuildingSpaceSquareFeet	705,236.40	705,200.00
tblLandUse	BuildingSpaceSquareFeet	1,452.00	168.00
tblLandUse	BuildingSpaceSquareFeet	6,000.00	5,958.00
tblLandUse	LandUseSquareFeet	40,300.00	40,295.00
tblLandUse	LandUseSquareFeet	629,540.00	629,544.00
tblLandUse	LandUseSquareFeet	68,300.00	68,296.00
tblLandUse	LandUseSquareFeet	416,940.00	416,936.00
tblLandUse	LandUseSquareFeet	70,410.00	70,409.00
tblLandUse	LandUseSquareFeet	10,740.00	10,744.00
tblLandUse	LandUseSquareFeet	705,236.40	705,200.00
tblLandUse	LandUseSquareFeet	1,452.00	168.00
tblLandUse	LandUseSquareFeet	6,000.00	5,958.00
tblLandUse	LotAcreage	14.45	11.73
tblLandUse	LotAcreage	1.57	11.73

tblLandUse	LotAcreage	9.57	11.73
tblLandUse	LotAcreage	0.03	11.73
tblLandUse	LotAcreage	0.38	0.14
tblProjectCharacteristics	OperationalYear	2018	2030
tblSolidWaste	SolidWasteGenerationRate	2.76	7.00
tblSolidWaste	SolidWasteGenerationRate	87.31	170.00
tblSolidWaste	SolidWasteGenerationRate	37.48	97.00
tblSolidWaste	SolidWasteGenerationRate	6,799.03	6,779.00
tblSolidWaste	SolidWasteGenerationRate	0.55	1.00
tblSolidWaste	SolidWasteGenerationRate	737.64	75.00
tblSolidWaste	SolidWasteGenerationRate	10.10	28.00
tblSolidWaste	SolidWasteGenerationRate	31.68	989.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	16.10	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	14.30
tblVehicleTrips	CW_TTP	64.90	100.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PR_TP	73.00	100.00
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	10.18	11.16
tblVehicleTrips	ST_TR	8.19	0.00
tblVehicleTrips	ST_TR	8.96	0.00
tblVehicleTrips	ST_TR	1.68	0.00

tblVehicleTrips	ST_TR	1.90	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	8.91	11.16
tblVehicleTrips	SU_TR	5.95	0.00
tblVehicleTrips	SU_TR	1.55	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	SU_TR	1.11	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	13.22	11.16
tblVehicleTrips	WD_TR	8.17	0.00
tblVehicleTrips	WD_TR	36.13	0.00
tblVehicleTrips	WD_TR	1.68	0.00
tblVehicleTrips	WD_TR	8.11	0.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00

tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	390,924.15	15,343,774.00
tblWater	IndoorWaterUseRate	16,282,312.50	15,343,774.00
tblWater	IndoorWaterUseRate	7,162,670.04	15,343,774.00
tblWater	IndoorWaterUseRate	78,995,017.62	15,343,774.00
tblWater	IndoorWaterUseRate	25,366.77	15,343,774.00
tblWater	IndoorWaterUseRate	8,570,320.72	15,343,774.00
tblWater	IndoorWaterUseRate	2,483,625.00	15,343,774.00
tblWater	IndoorWaterUseRate	205,006,874.35	15,343,774.00
tblWater	OutdoorWaterUseRate	246,452.18	1,689,263.00
tblWater	OutdoorWaterUseRate	0.00	1,689,263.00
tblWater	OutdoorWaterUseRate	4,390,023.58	1,689,263.00
tblWater	OutdoorWaterUseRate	15,046,670.02	1,689,263.00
tblWater	OutdoorWaterUseRate	2,818.53	1,689,263.00
tblWater	OutdoorWaterUseRate	1,632,442.04	1,689,263.00
tblWater	OutdoorWaterUseRate	0.00	1,689,263.00
tblWater	OutdoorWaterUseRate	0.00	1,689,263.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	0.30	0.00
tblWoodstoves	NumberNoncatalytic	0.30	0.00

2.0 Emissions Summary

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	28.0904	0.1064	0.6634	6.7000e-004		0.0112	0.0112		0.0112	0.0112	0.0000	128.2245	128.2245	3.9900e-003	2.3300e-003	129.0184
Energy	1.6566	15.0589	12.6400	0.0904		1.1446	1.1446		1.1446	1.1446		18,072.4843	18,072.4843	0.3464	0.3313	18,179.8801
Mobile	10.1156	48.4111	148.8410	0.6708	77.0051	0.4338	77.4389	20.4797	0.4016	20.8814		68,507.7809	68,507.7809	2.8200		68,578.2805
Total	**39.8627**	**63.5764**	**162.1444**	**0.7618**	**77.0051**	**1.5896**	**78.5947**	**20.4797**	**1.5575**	**22.0372**	**0.0000**	**86,708.4897**	**86,708.4897**	**3.1704**	**0.3337**	**86,887.1789**

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	28.0904	0.1064	0.6634	6.7000e-004		0.0112	0.0112		0.0112	0.0112	0.0000	128.2245	128.2245	3.9900e-003	2.3300e-003	129.0184
Energy	1.6566	15.0589	12.6400	0.0904		1.1446	1.1446		1.1446	1.1446		18,072.4843	18,072.4843	0.3464	0.3313	18,179.8801
Mobile	10.1156	48.4111	148.8410	0.6708	77.0051	0.4338	77.4389	20.4797	0.4016	20.8814		68,507.7809	68,507.7809	2.8200		68,578.2805
Total	**39.8627**	**63.5764**	**162.1444**	**0.7618**	**77.0051**	**1.5896**	**78.5947**	**20.4797**	**1.5575**	**22.0372**	**0.0000**	**86,708.4897**	**86,708.4897**	**3.1704**	**0.3337**	**86,887.1789**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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**

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	10.1156	48.4111	148.8410	0.6708	77.0051	0.4338	77.4389	20.4797	0.4016	20.8814		68,507.7809	68,507.7809	2.8200		68,578.2805
Unmitigated	10.1156	48.4111	148.8410	0.6708	77.0051	0.4338	77.4389	20.4797	0.4016	20.8814		68,507.7809	68,507.7809	2.8200		68,578.2805

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
General Light Industry	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Hospital	7,025.67	7,025.67	7025.67	36,569,999	36,569,999
Hotel	0.00	0.00	0.00		
Medical Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	0.00	0.00	0.00		
Research & Development	0.00	0.00	0.00		
Total	7,025.67	7,025.67	7,025.67	36,569,999	36,569,999

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
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Hospital	14.30	0.00	0.00	100.00	0.00	0.00	100	0	0
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3
Research & Development	16.60	8.40	6.90	33.00	48.00	19.00	82	15	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812
General Light Industry	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812
General Office Building	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812
Hospital	0.623085	0.050643	0.242183	0.026012	0.003332	0.001545	0.005197	0.040482	0.000640	0.000421	0.006089	0.000174	0.000197
Hotel	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812
Medical Office Building	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812
Parking Lot	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812
Refrigerated Warehouse-No Rail	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812
Research & Development	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

Kilowatt Hours of Renewable Electricity Generated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.6566	15.0589	12.6400	0.0904		1.1446	1.1446		1.1446	1.1446		18,072.4843	18,072.4843	0.3464	0.3313	18,179.8801
NaturalGas Unmitigated	1.6566	15.0589	12.6400	0.0904		1.1446	1.1446		1.1446	1.1446		18,072.4843	18,072.4843	0.3464	0.3313	18,179.8801

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	248.312	2.6800e-003	0.0229	9.7400e-003	1.5000e-004		1.8500e-003	1.8500e-003		1.8500e-003	1.8500e-003		29.2131	29.2131	5.6000e-004	5.4000e-004	29.3867
General Light Industry	3819.45	0.0412	0.3745	0.3145	2.2500e-003		0.0285	0.0285		0.0285	0.0285		449.3467	449.3467	8.6100e-003	8.2400e-003	452.0170
General Office Building	1373.34	0.0148	0.1346	0.1131	8.1000e-004		0.0102	0.0102		0.0102	0.0102		161.5696	161.5696	3.1000e-003	2.9600e-003	162.5298
Hospital	123184	1.3285	12.0768	10.1445	0.0725		0.9178	0.9178		0.9178	0.9178		14,492.1942	14,492.1942	0.2778	0.2657	14,578.3141
Hotel	11.8981	1.3000e-004	1.1700e-003	9.8000e-004	1.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		1.3998	1.3998	3.0000e-005	3.0000e-005	1.4081
Medical Office Building	2327.68	0.0251	0.2282	0.1917	1.3700e-003		0.0173	0.0173		0.0173	0.0173		273.8444	273.8444	5.2500e-003	5.0200e-003	275.4717
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	34.4397	3.7000e-004	3.3800e-003	2.8400e-003	2.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		4.0517	4.0517	8.0000e-005	7.0000e-005	4.0758
Research & Development	22617.4	0.2439	2.2174	1.8626	0.0133		0.1685	0.1685		0.1685	0.1685		2,660.8647	2,660.8647	0.0510	0.0488	2,676.6769
Total		**1.6566**	**15.0590**	**12.6400**	**0.0904**		**1.1446**	**1.1446**		**1.1446**	**1.1446**		**18,072.4843**	**18,072.4843**	**0.3464**	**0.3313**	**18,179.8800**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day											lb/day				
Apartments Low Rise	0.248312	2.6800e-003	0.0229	9.7400e-003	1.5000e-004		1.8500e-003	1.8500e-003		1.8500e-003	1.8500e-003		29.2131	29.2131	5.6000e-004	5.4000e-004	29.3867
General Light Industry	3.81945	0.0412	0.3745	0.3145	2.2500e-003		0.0285	0.0285		0.0285	0.0285		449.3467	449.3467	8.6100e-003	8.2400e-003	452.0170
General Office Building	1.37334	0.0148	0.1346	0.1131	8.1000e-004		0.0102	0.0102		0.0102	0.0102		161.5696	161.5696	3.1000e-003	2.9600e-003	162.5298
Hospital	123.184	1.3285	12.0768	10.1445	0.0725		0.9178	0.9178		0.9178	0.9178		14,492.1942	14,492.1942	0.2778	0.2657	14,578.3141
Hotel	0.0118981	1.3000e-004	1.1700e-003	9.8000e-004	1.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		1.3998	1.3998	3.0000e-005	3.0000e-005	1.4081
Medical Office Building	2.32768	0.0251	0.2282	0.1917	1.3700e-003		0.0173	0.0173		0.0173	0.0173		273.8444	273.8444	5.2500e-003	5.0200e-003	275.4717
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0.0344397	3.7000e-004	3.3800e-003	2.8400e-003	2.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		4.0517	4.0517	8.0000e-005	7.0000e-005	4.0758
Research & Development	22.6174	0.2439	2.2174	1.8626	0.0133		0.1685	0.1685		0.1685	0.1685		2,660.8647	2,660.8647	0.0510	0.0488	2,676.6769
Total		**1.6566**	**15.0590**	**12.6400**	**0.0904**		**1.1446**	**1.1446**		**1.1446**	**1.1446**		**18,072.4843**	**18,072.4843**	**0.3464**	**0.3313**	**18,179.8800**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	28.0904	0.1064	0.6634	6.7000e-004		0.0112	0.0112		0.0112	0.0112	0.0000	128.2245	128.2245	3.9900e-003	2.3300e-003	129.0184
Unmitigated	28.0904	0.1064	0.6634	6.7000e-004		0.0112	0.0112		0.0112	0.0112	0.0000	128.2245	128.2245	3.9900e-003	2.3300e-003	129.0184

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	3.2040					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	24.8483					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0117	0.0995	0.0424	6.4000e-004		8.0500e-003	8.0500e-003		8.0500e-003	8.0500e-003	0.0000	127.0588	127.0588	2.4400e-003	2.3300e-003	127.8139
Landscaping	0.0264	6.8400e-003	0.6210	4.0000e-005		3.2000e-003	3.2000e-003		3.2000e-003	3.2000e-003		1.1656	1.1656	1.5600e-003		1.2045
Total	**28.0904**	**0.1064**	**0.6634**	**6.8000e-004**		**0.0113**	**0.0113**		**0.0113**	**0.0113**	**0.0000**	**128.2245**	**128.2245**	**4.0000e-003**	**2.3300e-003**	**129.0184**

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	3.2040					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	24.8483					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0117	0.0995	0.0424	6.4000e-004		8.0500e-003	8.0500e-003		8.0500e-003	8.0500e-003	0.0000	127.0588	127.0588	2.4400e-003	2.3300e-003	127.8139
Landscaping	0.0264	6.8400e-003	0.6210	4.0000e-005		3.2000e-003	3.2000e-003		3.2000e-003	3.2000e-003		1.1656	1.1656	1.5600e-003		1.2045
Total	**28.0904**	**0.1064**	**0.6634**	**6.8000e-004**		**0.0113**	**0.0113**		**0.0113**	**0.0113**	**0.0000**	**128.2245**	**128.2245**	**4.0000e-003**	**2.3300e-003**	**129.0184**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Phase 3_Existing Remaining

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	40.30	1000sqft	0.93	40,295.00	0
Hospital	629.54	1000sqft	11.73	629,544.00	0
Medical Office Building	68.30	1000sqft	11.73	68,296.00	0
Research & Development	416.94	1000sqft	11.73	416,936.00	0
General Light Industry	70.41	1000sqft	1.62	70,409.00	0
Refrigerated Warehouse-No Rail	10.74	1000sqft	0.25	10,744.00	0
Parking Lot	16.19	Acre	16.19	705,200.00	0
Hotel	1.00	Room	11.73	168.00	0
Apartments Low Rise	6.00	Dwelling Unit	0.14	5,958.00	17

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2030
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on phasing plan.

Vehicle Trips - Trip generation rate and trip distance based on information provided by Fehr & Peers. For purposes of this analysis, all trips assigned to the Hospital land use.
Woodstoves - Assumes all natural gas fireplaces.

Energy Use -

Water And Wastewater - Based on information provided by KPFF. Assumes no septic tanks of facultive lagoons. Assumes proportion indoor/outdoor water use for land uses for purposes of this analysis.
Solid Waste - Based on information provided in Chapter 5.16, Utilities and Service Systems, of the DEIR.

Fleet Mix - Based on Caltrans vehicle mix data for the segment of Interstate 210 west of Interstate 605.

Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblFireplaces	NumberGas	5.10	6.00
tblFireplaces	NumberNoFireplace	0.60	0.00
tblFireplaces	NumberWood	0.30	0.00
tblFleetMix	FleetMixLandUseSubType	General Office Building	Apartments Low Rise
tblFleetMix	FleetMixLandUseSubType	Hospital	General Light Industry
tblFleetMix	FleetMixLandUseSubType	Medical Office Building	General Office Building
tblFleetMix	FleetMixLandUseSubType	Research & Development	Hospital
tblFleetMix	FleetMixLandUseSubType	General Light Industry	Hotel
tblFleetMix	FleetMixLandUseSubType	Refrigerated Warehouse-No Rail	Medical Office Building
tblFleetMix	FleetMixLandUseSubType	Hotel	Refrigerated Warehouse-No Rail
tblFleetMix	FleetMixLandUseSubType	Apartments Low Rise	Research & Development
tblFleetMix	HHD	0.03	0.04
tblFleetMix	LDA	0.54	0.62
tblFleetMix	LDT1	0.04	0.05

tblFleetMix	LDT2	0.21	0.24
tblFleetMix	LHD1	0.01	3.3320e-003
tblFleetMix	LHD2	6.3670e-003	1.5450e-003
tblFleetMix	MCY	5.2970e-003	6.0890e-003
tblFleetMix	MDV	0.12	0.03
tblFleetMix	MH	8.1200e-004	1.9700e-004
tblFleetMix	MHD	0.02	5.1970e-003
tblFleetMix	OBUS	2.6370e-003	6.4000e-004
tblFleetMix	SBUS	7.1900e-004	1.7400e-004
tblFleetMix	UBUS	1.7340e-003	4.2100e-004
tblLandUse	BuildingSpaceSquareFeet	40,300.00	40,295.00
tblLandUse	BuildingSpaceSquareFeet	629,540.00	629,544.00
tblLandUse	BuildingSpaceSquareFeet	68,300.00	68,296.00
tblLandUse	BuildingSpaceSquareFeet	416,940.00	416,936.00
tblLandUse	BuildingSpaceSquareFeet	70,410.00	70,409.00
tblLandUse	BuildingSpaceSquareFeet	10,740.00	10,744.00
tblLandUse	BuildingSpaceSquareFeet	705,236.40	705,200.00
tblLandUse	BuildingSpaceSquareFeet	1,452.00	168.00
tblLandUse	BuildingSpaceSquareFeet	6,000.00	5,958.00
tblLandUse	LandUseSquareFeet	40,300.00	40,295.00
tblLandUse	LandUseSquareFeet	629,540.00	629,544.00
tblLandUse	LandUseSquareFeet	68,300.00	68,296.00
tblLandUse	LandUseSquareFeet	416,940.00	416,936.00
tblLandUse	LandUseSquareFeet	70,410.00	70,409.00
tblLandUse	LandUseSquareFeet	10,740.00	10,744.00
tblLandUse	LandUseSquareFeet	705,236.40	705,200.00
tblLandUse	LandUseSquareFeet	1,452.00	168.00

tblLandUse	LandUseSquareFeet	6,000.00	5,958.00
tblLandUse	LotAcreage	14.45	11.73
tblLandUse	LotAcreage	1.57	11.73
tblLandUse	LotAcreage	9.57	11.73
tblLandUse	LotAcreage	0.03	11.73
tblLandUse	LotAcreage	0.38	0.14
tblProjectCharacteristics	OperationalYear	2018	2030
tblSolidWaste	SolidWasteGenerationRate	2.76	7.00
tblSolidWaste	SolidWasteGenerationRate	87.31	170.00
tblSolidWaste	SolidWasteGenerationRate	37.48	97.00
tblSolidWaste	SolidWasteGenerationRate	6,799.03	6,779.00
tblSolidWaste	SolidWasteGenerationRate	0.55	1.00
tblSolidWaste	SolidWasteGenerationRate	737.64	75.00
tblSolidWaste	SolidWasteGenerationRate	10.10	28.00
tblSolidWaste	SolidWasteGenerationRate	31.68	989.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	16.10	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	14.30
tblVehicleTrips	CW_TTP	64.90	100.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PR_TP	73.00	100.00
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	2.46	0.00

tblVehicleTrips	ST_TR	10.18	11.16
tblVehicleTrips	ST_TR	8.19	0.00
tblVehicleTrips	ST_TR	8.96	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	ST_TR	1.90	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	8.91	11.16
tblVehicleTrips	SU_TR	5.95	0.00
tblVehicleTrips	SU_TR	1.55	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	SU_TR	1.11	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	13.22	11.16
tblVehicleTrips	WD_TR	8.17	0.00
tblVehicleTrips	WD_TR	36.13	0.00
tblVehicleTrips	WD_TR	1.68	0.00
tblVehicleTrips	WD_TR	8.11	0.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00

tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	390,924.15	15,343,774.00
tblWater	IndoorWaterUseRate	16,282,312.50	15,343,774.00
tblWater	IndoorWaterUseRate	7,162,670.04	15,343,774.00
tblWater	IndoorWaterUseRate	78,995,017.62	15,343,774.00
tblWater	IndoorWaterUseRate	25,366.77	15,343,774.00
tblWater	IndoorWaterUseRate	8,570,320.72	15,343,774.00
tblWater	IndoorWaterUseRate	2,483,625.00	15,343,774.00
tblWater	IndoorWaterUseRate	205,006,874.35	15,343,774.00
tblWater	OutdoorWaterUseRate	246,452.18	1,689,263.00
tblWater	OutdoorWaterUseRate	0.00	1,689,263.00
tblWater	OutdoorWaterUseRate	4,390,023.58	1,689,263.00
tblWater	OutdoorWaterUseRate	15,046,670.02	1,689,263.00
tblWater	OutdoorWaterUseRate	2,818.53	1,689,263.00
tblWater	OutdoorWaterUseRate	1,632,442.04	1,689,263.00
tblWater	OutdoorWaterUseRate	0.00	1,689,263.00
tblWater	OutdoorWaterUseRate	0.00	1,689,263.00
tblWater	SepticTankPercent	10.33	0.00

tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	0.30	0.00
tblWoodstoves	NumberNoncatalytic	0.30	0.00

2.0 Emissions Summary

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	5.1230	2.1000e-003	0.0782	1.0000e-005		5.0000e-004	5.0000e-004		5.0000e-004	5.0000e-004	0.0000	1.5730	1.5730	2.0000e-004	3.0000e-005	1.5860
Energy	0.3023	2.7483	2.3068	0.0165		0.2089	0.2089		0.2089	0.2089	0.0000	10,708.4159	10,708.4159	0.3759	0.1208	10,753.8018
Mobile	1.8099	8.9709	27.5613	0.1238	13.7417	0.0787	13.8205	3.6603	0.0729	3.7332	0.0000	11,471.0525	11,471.0525	0.4636	0.0000	11,482.6429
Waste						0.0000	0.0000		0.0000	0.0000	1,653.5644	0.0000	1,653.5644	97.7229	0.0000	4,096.6358
Water						0.0000	0.0000		0.0000	0.0000	43.4292	557.1006	600.5298	0.1725	0.0992	634.4043
Total	**7.2352**	**11.7212**	**29.9462**	**0.1403**	**13.7417**	**0.2881**	**14.0299**	**3.6603**	**0.2823**	**3.9426**	**1,696.9936**	**22,738.1419**	**24,435.1355**	**98.7351**	**0.2200**	**26,969.0706**

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	5.1230	2.1000e-003	0.0782	1.0000e-005		5.0000e-004	5.0000e-004		5.0000e-004	5.0000e-004	0.0000	1.5730	1.5730	2.0000e-004	3.0000e-005	1.5860
Energy	0.3023	2.7483	2.3068	0.0165		0.2089	0.2089		0.2089	0.2089	0.0000	10,708.0351	10,708.0351	0.3759	0.1208	10,753.4196
Mobile	1.8099	8.9709	27.5613	0.1238	13.7417	0.0787	13.8205	3.6603	0.0729	3.7332	0.0000	11,471.0525	11,471.0525	0.4636	0.0000	11,482.6429
Waste						0.0000	0.0000		0.0000	0.0000	1,653.5644	0.0000	1,653.5644	97.7229	0.0000	4,096.6358
Water						0.0000	0.0000		0.0000	0.0000	43.4292	557.1006	600.5298	0.1725	0.0992	634.4043
Total	**7.2352**	**11.7212**	**29.9462**	**0.1403**	**13.7417**	**0.2881**	**14.0299**	**3.6603**	**0.2823**	**3.9426**	**1,696.9936**	**22,737.7612**	**24,434.7548**	**98.7351**	**0.2200**	**26,968.6885**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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**

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	1.8099	8.9709	27.5613	0.1238	13.7417	0.0787	13.8205	3.6603	0.0729	3.7332	0.0000	11,471.0525	11,471.0525	0.4636	0.0000	11,482.6429
Unmitigated	1.8099	8.9709	27.5613	0.1238	13.7417	0.0787	13.8205	3.6603	0.0729	3.7332	0.0000	11,471.0525	11,471.0525	0.4636	0.0000	11,482.6429

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
General Light Industry	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Hospital	7,025.67	7,025.67	7025.67	36,569,999	36,569,999
Hotel	0.00	0.00	0.00		
Medical Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	0.00	0.00	0.00		
Research & Development	0.00	0.00	0.00		
Total	7,025.67	7,025.67	7,025.67	36,569,999	36,569,999

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Hospital	14.30	0.00	0.00	100.00	0.00	0.00	100	0	0
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3
Research & Development	16.60	8.40	6.90	33.00	48.00	19.00	82	15	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812
General Light Industry	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812
General Office Building	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812
Hospital	0.623085	0.050643	0.242183	0.026012	0.003332	0.001545	0.005197	0.040482	0.000640	0.000421	0.006089	0.000174	0.000197
Hotel	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812
Medical Office Building	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812
Parking Lot	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812
Refrigerated Warehouse-No Rail	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812
Research & Development	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

Kilowatt Hours of Renewable Electricity Generated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	7,715.9326	7,715.9326	0.3186	0.0659	7,743.5366
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	7,716.3134	7,716.3134	0.3186	0.0659	7,743.9187
NaturalGas Mitigated	0.3023	2.7483	2.3068	0.0165		0.2089	0.2089		0.2089	0.2089	0.0000	2,992.1025	2,992.1025	0.0574	0.0549	3,009.8830
NaturalGas Unmitigated	0.3023	2.7483	2.3068	0.0165		0.2089	0.2089		0.2089	0.2089	0.0000	2,992.1025	2,992.1025	0.0574	0.0549	3,009.8830

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	90633.8	4.9000e-004	4.1800e-003	1.7800e-003	3.0000e-005		3.4000e-004	3.4000e-004		3.4000e-004	3.4000e-004	0.0000	4.8366	4.8366	9.0000e-005	9.0000e-005	4.8653
General Light Industry	1.3941e+006	7.5200e-003	0.0683	0.0574	4.1000e-004		5.1900e-003	5.1900e-003		5.1900e-003	5.1900e-003	0.0000	74.3944	74.3944	1.4300e-003	1.3600e-003	74.8365
General Office Building	501270	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003	0.0000	26.7497	26.7497	5.1000e-004	4.9000e-004	26.9086
Hospital	4.4962e+007	0.2424	2.2040	1.8514	0.0132		0.1675	0.1675		0.1675	0.1675	0.0000	2,399.3453	2,399.3453	0.0460	0.0440	2,413.6034
Hotel	4342.8	2.0000e-005	2.1000e-004	1.8000e-004	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.2318	0.2318	0.0000	0.0000	0.2331
Medical Office Building	849602	4.5800e-003	0.0417	0.0350	2.5000e-004		3.1700e-003	3.1700e-003		3.1700e-003	3.1700e-003	0.0000	45.3380	45.3380	8.7000e-004	8.3000e-004	45.6074
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	12570.5	7.0000e-005	6.2000e-004	5.2000e-004	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.6708	0.6708	1.0000e-005	1.0000e-005	0.6748
Research & Development	8.25533e+006	0.0445	0.4047	0.3399	2.4300e-003		0.0308	0.0308		0.0308	0.0308	0.0000	440.5360	440.5360	8.4400e-003	8.0800e-003	443.1539
Total		**0.3023**	**2.7483**	**2.3068**	**0.0165**		**0.2089**	**0.2089**		**0.2089**	**0.2089**	**0.0000**	**2,992.1025**	**2,992.1025**	**0.0573**	**0.0549**	**3,009.8830**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	90633.8	4.9000e-004	4.1800e-003	1.7800e-003	3.0000e-005		3.4000e-004	3.4000e-004		3.4000e-004	3.4000e-004	0.0000	4.8366	4.8366	9.0000e-005	9.0000e-005	4.8653
General Light Industry	1.3941e+006	7.5200e-003	0.0683	0.0574	4.1000e-004		5.1900e-003	5.1900e-003		5.1900e-003	5.1900e-003	0.0000	74.3944	74.3944	1.4300e-003	1.3600e-003	74.8365
General Office Building	501270	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003	0.0000	26.7497	26.7497	5.1000e-004	4.9000e-004	26.9086
Hospital	4.4962e+007	0.2424	2.2040	1.8514	0.0132		0.1675	0.1675		0.1675	0.1675	0.0000	2,399.3453	2,399.3453	0.0460	0.0440	2,413.6034
Hotel	4342.8	2.0000e-005	2.1000e-004	1.8000e-004	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.2318	0.2318	0.0000	0.0000	0.2331
Medical Office Building	849602	4.5800e-003	0.0417	0.0350	2.5000e-004		3.1700e-003	3.1700e-003		3.1700e-003	3.1700e-003	0.0000	45.3380	45.3380	8.7000e-004	8.3000e-004	45.6074
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	12570.5	7.0000e-005	6.2000e-004	5.2000e-004	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.6708	0.6708	1.0000e-005	1.0000e-005	0.6748
Research & Development	8.25533e+006	0.0445	0.4047	0.3399	2.4300e-003		0.0308	0.0308		0.0308	0.0308	0.0000	440.5360	440.5360	8.4400e-003	8.0800e-003	443.1539
Total		**0.3023**	**2.7483**	**2.3068**	**0.0165**		**0.2089**	**0.2089**		**0.2089**	**0.2089**	**0.0000**	**2,992.1025**	**2,992.1025**	**0.0573**	**0.0549**	**3,009.8830**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	22365.5	7.1261	2.9000e-004	6.0000e-005	7.1516
General Light Industry	882929	281.3201	0.0116	2.4000e-003	282.3265
General Office Building	614096	195.6641	8.0800e-003	1.6700e-003	196.3641
Hospital	1.5619e+007	4,976.5438	0.2055	0.0425	4,994.3475
Hotel	1522.08	0.4850	2.0000e-005	0.0000	0.4867
Medical Office Building	1.04083e+006	331.6311	0.0137	2.8300e-003	332.8175
Parking Lot	620576	197.7288	8.1600e-003	1.6900e-003	198.4362
Refrigerated Warehouse-No Rail	188127	59.9414	2.4700e-003	5.1000e-004	60.1559
Research & Development	5.22838e+006	1,665.8731	0.0688	0.0142	1,671.8328
Total		**7,716.3134**	**0.3186**	**0.0659**	**7,743.9187**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	22232.8	7.0838	2.9000e-004	6.0000e-005	7.1092
General Light Industry	882796	281.2778	0.0116	2.4000e-003	282.2840
General Office Building	613963	195.6218	8.0800e-003	1.6700e-003	196.3216
Hospital	1.56189e+007	4,976.5015	0.2055	0.0425	4,994.3051
Hotel	1389.3	0.4427	2.0000e-005	0.0000	0.4443
Medical Office Building	1.0407e+006	331.5888	0.0137	2.8300e-003	332.7750
Parking Lot	620443	197.6865	8.1600e-003	1.6900e-003	198.3937
Refrigerated Warehouse-No Rail	187995	59.8991	2.4700e-003	5.1000e-004	60.1134
Research & Development	5.22824e+006	1,665.8308	0.0688	0.0142	1,671.7903
Total		**7,715.9326**	**0.3185**	**0.0659**	**7,743.5366**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	5.1230	2.1000e-003	0.0782	1.0000e-005		5.0000e-004	5.0000e-004		5.0000e-004	5.0000e-004	0.0000	1.5730	1.5730	2.0000e-004	3.0000e-005	1.5860
Unmitigated	5.1230	2.1000e-003	0.0782	1.0000e-005		5.0000e-004	5.0000e-004		5.0000e-004	5.0000e-004	0.0000	1.5730	1.5730	2.0000e-004	3.0000e-005	1.5860

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.5847					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.5348					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.5000e-004	1.2400e-003	5.3000e-004	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	1.4408	1.4408	3.0000e-005	3.0000e-005	1.4494
Landscaping	3.3000e-003	8.5000e-004	0.0776	0.0000		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004	0.0000	0.1322	0.1322	1.8000e-004	0.0000	0.1366
Total	**5.1230**	**2.0900e-003**	**0.0782**	**1.0000e-005**		**5.0000e-004**	**5.0000e-004**		**5.0000e-004**	**5.0000e-004**	**0.0000**	**1.5730**	**1.5730**	**2.1000e-004**	**3.0000e-005**	**1.5860**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.5847					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.5348					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.5000e-004	1.2400e-003	5.3000e-004	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	1.4408	1.4408	3.0000e-005	3.0000e-005	1.4494
Landscaping	3.3000e-003	8.5000e-004	0.0776	0.0000		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004	0.0000	0.1322	0.1322	1.8000e-004	0.0000	0.1366
Total	**5.1230**	**2.0900e-003**	**0.0782**	**1.0000e-005**		**5.0000e-004**	**5.0000e-004**		**5.0000e-004**	**5.0000e-004**	**0.0000**	**1.5730**	**1.5730**	**2.1000e-004**	**3.0000e-005**	**1.5860**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	600.5298	0.1725	0.0992	634.4043
Unmitigated	600.5298	0.1725	0.0992	634.4043

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	15.3438 / 1.68926	75.0662	0.0216	0.0124	79.3005
General Light Industry	15.3438 / 1.68926	75.0662	0.0216	0.0124	79.3005
General Office Building	15.3438 / 1.68926	75.0662	0.0216	0.0124	79.3005
Hospital	15.3438 / 1.68926	75.0662	0.0216	0.0124	79.3005
Hotel	15.3438 / 1.68926	75.0662	0.0216	0.0124	79.3005
Medical Office Building	15.3438 / 1.68926	75.0662	0.0216	0.0124	79.3005
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	15.3438 / 1.68926	75.0662	0.0216	0.0124	79.3005
Research & Development	15.3438 / 1.68926	75.0662	0.0216	0.0124	79.3005
Total		**600.5298**	**0.1725**	**0.0992**	**634.4042**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	15.3438 / 1.68926	75.0662	0.0216	0.0124	79.3005
General Light Industry	15.3438 / 1.68926	75.0662	0.0216	0.0124	79.3005
General Office Building	15.3438 / 1.68926	75.0662	0.0216	0.0124	79.3005
Hospital	15.3438 / 1.68926	75.0662	0.0216	0.0124	79.3005
Hotel	15.3438 / 1.68926	75.0662	0.0216	0.0124	79.3005
Medical Office Building	15.3438 / 1.68926	75.0662	0.0216	0.0124	79.3005
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	15.3438 / 1.68926	75.0662	0.0216	0.0124	79.3005
Research & Development	15.3438 / 1.68926	75.0662	0.0216	0.0124	79.3005
Total		**600.5298**	**0.1725**	**0.0992**	**634.4042**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	1,653.5644	97.7229	0.0000	4,096.6358
Unmitigated	1,653.5644	97.7229	0.0000	4,096.6358

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	7	1.4209	0.0840	0.0000	3.5203
General Light Industry	170	34.5085	2.0394	0.0000	85.4933
General Office Building	97	19.6901	1.1637	0.0000	48.7815
Hospital	6779	1,376.0757	81.3238	0.0000	3,409.1694
Hotel	1	0.2030	0.0120	0.0000	0.5029
Medical Office Building	75	15.2243	0.8997	0.0000	37.7176
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	28	5.6838	0.3359	0.0000	14.0812
Research & Development	989	200.7581	11.8645	0.0000	497.3696
Total		**1,653.5644**	**97.7229**	**0.0000**	**4,096.6358**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	7	1.4209	0.0840	0.0000	3.5203
General Light Industry	170	34.5085	2.0394	0.0000	85.4933
General Office Building	97	19.6901	1.1637	0.0000	48.7815
Hospital	6779	1,376.0757	81.3238	0.0000	3,409.1694
Hotel	1	0.2030	0.0120	0.0000	0.5029
Medical Office Building	75	15.2243	0.8997	0.0000	37.7176
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	28	5.6838	0.3359	0.0000	14.0812
Research & Development	989	200.7581	11.8645	0.0000	497.3696
Total		**1,653.5644**	**97.7229**	**0.0000**	**4,096.6358**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Phase 3_Existing Remaining

Los Angeles-South Coast, Summary Report

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	40.30	1000sqft	0.93	40,295.00	0
Hospital	629.54	1000sqft	11.73	629,544.00	0
Medical Office Building	68.30	1000sqft	11.73	68,296.00	0
Research & Development	416.94	1000sqft	11.73	416,936.00	0
General Light Industry	70.41	1000sqft	1.62	70,409.00	0
Refrigerated Warehouse-No Rail	10.74	1000sqft	0.25	10,744.00	0
Parking Lot	16.19	Acre	16.19	705,200.00	0
Hotel	1.00	Room	11.73	168.00	0
Apartments Low Rise	6.00	Dwelling Unit	0.14	5,958.00	17

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2030
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments

Only CalEEMod defaults were used.

Project Characteristics -

Land Use - Based on phasing plan.

Vehicle Trips - Trip generation rate and trip distance based on information provided by Fehr & Peers. For purposes of this analysis, all trips assigned to the Hospital land use.

Woodstoves - Assumes all natural gas fireplaces.

Energy Use -

Water And Wastewater - Based on information provided by KPFF. Assumes no septic tanks of facultive lagoons. Assumes proportion indoor/outdoor water use for land uses for purposes of this analysis.

Solid Waste - Based on information provided in Chapter 5.16, Utilities and Service Systems, of the DEIR.

Fleet Mix - Based on Caltrans vehicle mix data for the segment of Interstate 210 west of Interstate 605.

Energy Mitigation -

2.0 Peak Daily Emissions

Peak Daily Operational Emissions

Peak Daily Operational Emissions

		Unmitigated						Mitigated					
		ROG	NOX	CO	SO2	PM10	PM2.5	ROG	NOX	CO	SO2	PM10	PM2.5
	Operational Activity	lb/day											
On-Site	Area	28.0904 S	0.1064 S	0.6634 S	6.7000e-004 S	0.0112 S	0.0112 S	28.0904 S	0.1064 S	0.6634 S	6.7000e-004 S	0.0112 S	0.0112 S
On-Site	Energy	1.6566 S	15.0589 S	12.6400 S	0.0904 S	1.1446 S	1.1446 S	1.6566 S	15.0589 S	12.6400 S	0.0904 S	1.1446 S	1.1446 S
Off-Site	Mobile	10.3832 S	48.4111 W	158.8976 S	0.7054 S	77.4389 W	20.8814 W	10.3832 S	48.4111 W	158.8976 S	0.7054 S	77.4389 W	20.8814 W
	Peak Daily Total	40.1303 S	63.5764 W	172.2010 S	0.7964 S	78.5947 W	22.0372 W	40.1303 S	63.5764 W	172.2010 S	0.7964 S	78.5947 W	22.0372 W
	Air District Threshold												
	Exceed Significance?												

3.0 Annual GHG Emissions

Annual GHG

Annual GHG

		Unmitigated				Mitigated			
		CO2	CH4	N2O	CO2e	CO2	CH4	N2O	CO2e
GHG Activity	Year	MT/yr							
Operational	2030	24,435.1355	98.7351	0.2200	26,969.0699	24,434.7548	98.7351	0.2200	26,968.6889
	Total								
	Significance Threshold								
	Exceed Significance?								

Phase 3_Existing Remaining

Los Angeles-South Coast County, Mitigation Report

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting:

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value 3
No	Land Use	Increase Density	0.00			
No	Land Use	Increase Diversity	0.10	0.31		
No	Land Use	Improve Walkability Design	0.00			
No	Land Use	Improve Destination Accessibility	0.00			
No	Land Use	Increase Transit Accessibility	0.25			

No	Land Use	Integrate Below Market Rate Housing	0.00			
	Land Use	Land Use SubTotal	0.00			
No	Neighborhood Enhancements	Improve Pedestrian Network				
No	Neighborhood Enhancements	Provide Traffic Calming Measures				
No	Neighborhood Enhancements	Implement NEV Network	0.00			
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00			
No	Parking Policy Pricing	Limit Parking Supply	0.00			
No	Parking Policy Pricing	Unbundle Parking Costs	0.00			
No	Parking Policy Pricing	On-street Market Pricing	0.00			
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00			
No	Transit Improvements	Provide BRT System	0.00			
No	Transit Improvements	Expand Transit Network	0.00			
No	Transit Improvements	Increase Transit Frequency	0.00			
	Transit Improvements	Transit Improvements Subtotal	0.00			
		Land Use and Site Enhancement Subtotal	0.00			
No	Commute	Implement Trip Reduction Program				
No	Commute	Transit Subsidy				
No	Commute	Implement Employee Parking "Cash Out"				
No	Commute	Workplace Parking Charge				
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00			
No	Commute	Market Commute Trip Reduction Option	0.00			
No	Commute	Employee Vanpool/Shuttle	0.00		2.00	
No	Commute	Provide Ride Sharing Program				
	Commute	Commute Subtotal	0.00			
No	School Trip	Implement School Bus Program	0.00			
		Total VMT Reduction	0.00			

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
No	No Hearth	
No	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	50.00
No	Use Low VOC Paint (Residential Exterior)	50.00
No	Use Low VOC Paint (Non-residential Interior)	100.00
No	Use Low VOC Paint (Non-residential Exterior)	100.00
No	Use Low VOC Paint (Parking)	100.00
No	% Electric Lawnmower	
No	% Electric Leafblower	
No	% Electric Chainsaw	

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Exceed Title 24		
No	Install High Efficiency Lighting		
Yes	On-site Renewable	1,195.00	

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Apply Water Conservation on Strategy		
No	Use Reclaimed Water		
No	Use Grey Water		
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction		
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape		

Solid Waste Mitigation

Mitigation Measures	Input Value
Institute Recycling and Composting Services	
Percent Reduction in Waste Disposed	

CalEEMod Output: Operation – Existing Remaining (Phase 4)

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Phase 4_Existing Remaining

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	629.54	1000sqft	9.78	629,544.00	0
Medical Office Building	68.30	1000sqft	9.78	68,296.00	0
Research & Development	387.94	1000sqft	9.78	387,936.00	0
Hotel	1.00	Room	9.78	168.00	0
General Light Industry	70.41	1000sqft	1.62	70,409.00	0
Refrigerated Warehouse-No Rail	10.74	1000sqft	0.25	10,744.00	0
Apartments Low Rise	6.00	Dwelling Unit	0.14	5,958.00	17
General Office Building	40.30	1000sqft	0.93	40,295.00	0
Parking Lot	7.11	Acre	7.11	309,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2035
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on provided phasing plan.

Construction Phase -

Vehicle Trips - Trip generation rate and trip distance based on information provided by Fehr & Peers. For purposes of this analysis, all trips assigned to the Hospital land use.

Vehicle Emission Factors -

Vehicle Emission Factors -

Fleet Mix - Based on Caltrans vehicle mix data for the segment of Interstate 210 west of Interstate 605.

Woodstoves - Assumes all natural gas fireplaces.

Energy Use -

Water And Wastewater - Based on information provided by KPFF. Assumes no septic tanks of facultive lagoons. Assumes proportion indoor/outdoor water use for land uses for purposes of this analysis.

Solid Waste - Based on information provided in Chapter 5.16, Utilities and Service Systems, of the DEIR.

Energy Mitigation -

Vehicle Emission Factors -

Table Name	Column Name	Default Value	New Value
tblEnergyUse	LightingElect	0.88	0.88
tblEnergyUse	T24E	286.35	286.35
tblEnergyUse	T24NG	12,489.48	12,489.48
tblFireplaces	NumberGas	5.10	6.00
tblFireplaces	NumberNoFireplace	0.60	0.00
tblFireplaces	NumberWood	0.30	0.00
tblFleetMix	HHD	0.04	0.04
tblFleetMix	LDA	0.54	0.62
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT2	0.21	0.24
tblFleetMix	LHD1	0.01	3.2270e-003
tblFleetMix	LHD2	6.4400e-003	1.5540e-003

tblFleetMix	MCY	5.3240e-003	6.1370e-003
tblFleetMix	MDV	0.12	0.03
tblFleetMix	MH	8.0700e-004	1.9500e-004
tblFleetMix	MHD	0.02	5.3100e-003
tblFleetMix	OBUS	2.7030e-003	6.5200e-004
tblFleetMix	SBUS	7.3200e-004	1.7700e-004
tblFleetMix	UBUS	1.6290e-003	3.9300e-004
tblLandUse	BuildingSpaceSquareFeet	1,452.00	168.00
tblLandUse	BuildingSpaceSquareFeet	6,000.00	5,958.00
tblLandUse	BuildingSpaceSquareFeet	309,711.60	309,600.00
tblLandUse	LandUseSquareFeet	1,452.00	168.00
tblLandUse	LandUseSquareFeet	6,000.00	5,958.00
tblLandUse	LandUseSquareFeet	309,711.60	309,600.00
tblLandUse	LotAcreage	14.45	9.78
tblLandUse	LotAcreage	1.57	9.78
tblLandUse	LotAcreage	8.91	9.78
tblLandUse	LotAcreage	0.03	9.78
tblLandUse	LotAcreage	0.38	0.14
tblProjectCharacteristics	OperationalYear	2018	2035
tblSolidWaste	SolidWasteGenerationRate	2.76	7.00
tblSolidWaste	SolidWasteGenerationRate	87.31	170.00
tblSolidWaste	SolidWasteGenerationRate	37.48	97.00
tblSolidWaste	SolidWasteGenerationRate	6,799.03	6,779.00
tblSolidWaste	SolidWasteGenerationRate	0.55	1.00
tblSolidWaste	SolidWasteGenerationRate	737.64	75.00
tblSolidWaste	SolidWasteGenerationRate	10.10	28.00
tblSolidWaste	SolidWasteGenerationRate	29.48	920.00
tblVehicleTrips	CC_TL	8.40	0.00

tblVehicleTrips	CC_TTP	16.10	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	14.30
tblVehicleTrips	CW_TTP	64.90	100.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PR_TP	73.00	100.00
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	10.18	12.84
tblVehicleTrips	ST_TR	8.19	0.00
tblVehicleTrips	ST_TR	8.96	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	ST_TR	1.90	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	8.91	12.84
tblVehicleTrips	SU_TR	5.95	0.00
tblVehicleTrips	SU_TR	1.55	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	SU_TR	1.11	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	13.22	12.84

tblVehicleTrips	WD_TR	8.17	0.00
tblVehicleTrips	WD_TR	36.13	0.00
tblVehicleTrips	WD_TR	1.68	0.00
tblVehicleTrips	WD_TR	8.11	0.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	390,924.15	18,804,435.00
tblWater	IndoorWaterUseRate	16,282,312.50	18,804,435.00
tblWater	IndoorWaterUseRate	7,162,670.04	18,804,435.00
tblWater	IndoorWaterUseRate	78,995,017.62	18,804,435.00
tblWater	IndoorWaterUseRate	25,366.77	18,804,435.00
tblWater	IndoorWaterUseRate	8,570,320.72	18,804,435.00
tblWater	IndoorWaterUseRate	2,483,625.00	18,804,435.00
tblWater	IndoorWaterUseRate	190,747,749.88	18,804,435.00

tblWater	OutdoorWaterUseRate	246,452.18	2,089,397.00
tblWater	OutdoorWaterUseRate	0.00	2,089,397.00
tblWater	OutdoorWaterUseRate	4,390,023.58	2,089,397.00
tblWater	OutdoorWaterUseRate	15,046,670.02	2,089,397.00
tblWater	OutdoorWaterUseRate	2,818.53	2,089,397.00
tblWater	OutdoorWaterUseRate	1,632,442.04	2,089,397.00
tblWater	OutdoorWaterUseRate	0.00	2,089,397.00
tblWater	OutdoorWaterUseRate	0.00	2,089,397.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	0.30	0.00
tblWoodstoves	NumberNoncatalytic	0.30	0.00

2.0 Emissions Summary

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	27.2719	0.1063	0.6590	6.7000e-004		0.0112	0.0112		0.0112	0.0112	0.0000	128.2161	128.2161	3.9700e-003	2.3300e-003	129.0095
Energy	1.6397	14.9047	12.5105	0.0894		1.1329	1.1329		1.1329	1.1329		17,887.4078	17,887.4078	0.3428	0.3279	17,993.7037
Mobile	10.2135	50.3726	154.4805	0.7570	88.5945	0.3779	88.9724	23.5614	0.3502	23.9116		77,409.8010	77,409.8010	2.9189		77,482.7725
Total	**39.1251**	**65.3836**	**167.6500**	**0.8471**	**88.5945**	**1.5220**	**90.1165**	**23.5614**	**1.4943**	**25.0557**	**0.0000**	**95,425.4249**	**95,425.4249**	**3.2657**	**0.3303**	**95,605.4857**

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	27.2719	0.1063	0.6590	6.7000e-004		0.0112	0.0112		0.0112	0.0112	0.0000	128.2161	128.2161	3.9700e-003	2.3300e-003	129.0095
Energy	1.6397	14.9047	12.5105	0.0894		1.1329	1.1329		1.1329	1.1329		17,887.4078	17,887.4078	0.3428	0.3279	17,993.7037
Mobile	10.2135	50.3726	154.4805	0.7570	88.5945	0.3779	88.9724	23.5614	0.3502	23.9116		77,409.8010	77,409.8010	2.9189		77,482.7725
Total	**39.1251**	**65.3836**	**167.6500**	**0.8471**	**88.5945**	**1.5220**	**90.1165**	**23.5614**	**1.4943**	**25.0557**	**0.0000**	**95,425.4249**	**95,425.4249**	**3.2657**	**0.3303**	**95,605.4857**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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**

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	10.2135	50.3726	154.4805	0.7570	88.5945	0.3779	88.9724	23.5614	0.3502	23.9116		77,409.8010	77,409.8010	2.9189		77,482.7725
Unmitigated	10.2135	50.3726	154.4805	0.7570	88.5945	0.3779	88.9724	23.5614	0.3502	23.9116		77,409.8010	77,409.8010	2.9189		77,482.7725

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
General Light Industry	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Hospital	8,083.34	8,083.34	8083.34	42,075,427	42,075,427
Hotel	0.00	0.00	0.00		
Medical Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	0.00	0.00	0.00		
Research & Development	0.00	0.00	0.00		
Total	8,083.34	8,083.34	8,083.34	42,075,427	42,075,427

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
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Hospital	14.30	0.00	0.00	100.00	0.00	0.00	100	0	0
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3
Research & Development	16.60	8.40	6.90	33.00	48.00	19.00	82	15	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hospital	0.622334	0.050426	0.243102	0.026012	0.003227	0.001554	0.005310	0.040482	0.000652	0.000393	0.006137	0.000177	0.000195
Medical Office Building	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
Research & Development	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
Hotel	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
General Light Industry	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
Refrigerated Warehouse-No Rail	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
Apartments Low Rise	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
General Office Building	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
Parking Lot	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

Kilowatt Hours of Renewable Electricity Generated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.6397	14.9047	12.5105	0.0894		1.1329	1.1329		1.1329	1.1329		17,887.4078	17,887.4078	0.3428	0.3279	17,993.7037
NaturalGas Unmitigated	1.6397	14.9047	12.5105	0.0894		1.1329	1.1329		1.1329	1.1329		17,887.4078	17,887.4078	0.3428	0.3279	17,993.7037

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	248.312	2.6800e-003	0.0229	9.7400e-003	1.5000e-004		1.8500e-003	1.8500e-003		1.8500e-003	1.8500e-003		29.2132	29.2132	5.6000e-004	5.4000e-004	29.3868
General Light Industry	3819.45	0.0412	0.3745	0.3145	2.2500e-003		0.0285	0.0285		0.0285	0.0285		449.3467	449.3467	8.6100e-003	8.2400e-003	452.0170
General Office Building	1373.34	0.0148	0.1346	0.1131	8.1000e-004		0.0102	0.0102		0.0102	0.0102		161.5696	161.5696	3.1000e-003	2.9600e-003	162.5298
Hospital	123184	1.3285	12.0768	10.1445	0.0725		0.9178	0.9178		0.9178	0.9178		14,492.1942	14,492.1942	0.2778	0.2657	14,578.3141
Hotel	11.8981	1.3000e-004	1.1700e-003	9.8000e-004	1.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		1.3998	1.3998	3.0000e-005	3.0000e-005	1.4081
Medical Office Building	2327.68	0.0251	0.2282	0.1917	1.3700e-003		0.0173	0.0173		0.0173	0.0173		273.8444	273.8444	5.2500e-003	5.0200e-003	275.4717
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	34.4397	3.7000e-004	3.3800e-003	2.8400e-003	2.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		4.0517	4.0517	8.0000e-005	7.0000e-005	4.0758
Research & Development	21044.2	0.2270	2.0632	1.7331	0.0124		0.1568	0.1568		0.1568	0.1568		2,475.7882	2,475.7882	0.0475	0.0454	2,490.5005
Total		**1.6397**	**14.9047**	**12.5105**	**0.0895**		**1.1329**	**1.1329**		**1.1329**	**1.1329**		**17,887.4078**	**17,887.4078**	**0.3429**	**0.3279**	**17,993.7037**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	0.248312	2.6800e-003	0.0229	9.7400e-003	1.5000e-004		1.8500e-003	1.8500e-003		1.8500e-003	1.8500e-003		29.2132	29.2132	5.6000e-004	5.4000e-004	29.3868
General Light Industry	3.81945	0.0412	0.3745	0.3145	2.2500e-003		0.0285	0.0285		0.0285	0.0285		449.3467	449.3467	8.6100e-003	8.2400e-003	452.0170
General Office Building	1.37334	0.0148	0.1346	0.1131	8.1000e-004		0.0102	0.0102		0.0102	0.0102		161.5696	161.5696	3.1000e-003	2.9600e-003	162.5298
Hospital	123.184	1.3285	12.0768	10.1445	0.0725		0.9178	0.9178		0.9178	0.9178		14,492.1942	14,492.1942	0.2778	0.2657	14,578.3141
Hotel	0.0118981	1.3000e-004	1.1700e-003	9.8000e-004	1.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		1.3998	1.3998	3.0000e-005	3.0000e-005	1.4081
Medical Office Building	2.32768	0.0251	0.2282	0.1917	1.3700e-003		0.0173	0.0173		0.0173	0.0173		273.8444	273.8444	5.2500e-003	5.0200e-003	275.4717
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0.0344397	3.7000e-004	3.3800e-003	2.8400e-003	2.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		4.0517	4.0517	8.0000e-005	7.0000e-005	4.0758
Research & Development	21.0442	0.2270	2.0632	1.7331	0.0124		0.1568	0.1568		0.1568	0.1568		2,475.7882	2,475.7882	0.0475	0.0454	2,490.5005
Total		**1.6397**	**14.9047**	**12.5105**	**0.0895**		**1.1329**	**1.1329**		**1.1329**	**1.1329**		**17,887.4078**	**17,887.4078**	**0.3429**	**0.3279**	**17,993.7037**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	27.2719	0.1063	0.6590	6.7000e-004		0.0112	0.0112		0.0112	0.0112	0.0000	128.2161	128.2161	3.9700e-003	2.3300e-003	129.0095
Unmitigated	27.2719	0.1063	0.6590	6.7000e-004		0.0112	0.0112		0.0112	0.0112	0.0000	128.2161	128.2161	3.9700e-003	2.3300e-003	129.0095

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	3.1003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	24.1340					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0117	0.0995	0.0424	6.4000e-004		8.0500e-003	8.0500e-003		8.0500e-003	8.0500e-003	0.0000	127.0588	127.0588	2.4400e-003	2.3300e-003	127.8139
Landscaping	0.0260	6.8000e-003	0.6167	4.0000e-005		3.1800e-003	3.1800e-003		3.1800e-003	3.1800e-003		1.1573	1.1573	1.5300e-003		1.1956
Total	**27.2719**	**0.1063**	**0.6590**	**6.8000e-004**		**0.0112**	**0.0112**		**0.0112**	**0.0112**	**0.0000**	**128.2161**	**128.2161**	**3.9700e-003**	**2.3300e-003**	**129.0095**

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	3.1003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	24.1340					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0117	0.0995	0.0424	6.4000e-004		8.0500e-003	8.0500e-003		8.0500e-003	8.0500e-003	0.0000	127.0588	127.0588	2.4400e-003	2.3300e-003	127.8139
Landscaping	0.0260	6.8000e-003	0.6167	4.0000e-005		3.1800e-003	3.1800e-003		3.1800e-003	3.1800e-003		1.1573	1.1573	1.5300e-003		1.1956
Total	**27.2719**	**0.1063**	**0.6590**	**6.8000e-004**		**0.0112**	**0.0112**		**0.0112**	**0.0112**	**0.0000**	**128.2161**	**128.2161**	**3.9700e-003**	**2.3300e-003**	**129.0095**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Phase 4_Existing Remaining - Los Angeles-South Coast County, Winter

Phase 4_Existing Remaining

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	629.54	1000sqft	9.78	629,544.00	0
Medical Office Building	68.30	1000sqft	9.78	68,296.00	0
Research & Development	387.94	1000sqft	9.78	387,936.00	0
Hotel	1.00	Room	9.78	168.00	0
General Light Industry	70.41	1000sqft	1.62	70,409.00	0
Refrigerated Warehouse-No Rail	10.74	1000sqft	0.25	10,744.00	0
Apartments Low Rise	6.00	Dwelling Unit	0.14	5,958.00	17
General Office Building	40.30	1000sqft	0.93	40,295.00	0
Parking Lot	7.11	Acre	7.11	309,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2035
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on provided phasing plan.

Construction Phase -

Vehicle Trips - Trip generation rate and trip distance based on information provided by Fehr & Peers. For purposes of this analysis, all trips assigned to the Hospital land use.

Vehicle Emission Factors -

Vehicle Emission Factors -

Fleet Mix - Based on Caltrans vehicle mix data for the segment of Interstate 210 west of Interstate 605.

Woodstoves - Assumes all natural gas fireplaces.

Energy Use -

Water And Wastewater - Based on information provided by KPFF. Assumes no septic tanks of facultive lagoons. Assumes proportion indoor/outdoor water use for land uses for purposes of this analysis.

Solid Waste - Based on information provided in Chapter 5.16, Utilities and Service Systems, of the DEIR.

Energy Mitigation -

Vehicle Emission Factors -

Table Name	Column Name	Default Value	New Value
tblEnergyUse	LightingElect	0.88	0.88
tblEnergyUse	T24E	286.35	286.35
tblEnergyUse	T24NG	12,489.48	12,489.48
tblFireplaces	NumberGas	5.10	6.00
tblFireplaces	NumberNoFireplace	0.60	0.00
tblFireplaces	NumberWood	0.30	0.00
tblFleetMix	HHD	0.04	0.04
tblFleetMix	LDA	0.54	0.62
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT2	0.21	0.24
tblFleetMix	LHD1	0.01	3.2270e-003
tblFleetMix	LHD2	6.4400e-003	1.5540e-003

tblFleetMix	MCY	5.3240e-003	6.1370e-003
tblFleetMix	MDV	0.12	0.03
tblFleetMix	MH	8.0700e-004	1.9500e-004
tblFleetMix	MHD	0.02	5.3100e-003
tblFleetMix	OBUS	2.7030e-003	6.5200e-004
tblFleetMix	SBUS	7.3200e-004	1.7700e-004
tblFleetMix	UBUS	1.6290e-003	3.9300e-004
tblLandUse	BuildingSpaceSquareFeet	1,452.00	168.00
tblLandUse	BuildingSpaceSquareFeet	6,000.00	5,958.00
tblLandUse	BuildingSpaceSquareFeet	309,711.60	309,600.00
tblLandUse	LandUseSquareFeet	1,452.00	168.00
tblLandUse	LandUseSquareFeet	6,000.00	5,958.00
tblLandUse	LandUseSquareFeet	309,711.60	309,600.00
tblLandUse	LotAcreage	14.45	9.78
tblLandUse	LotAcreage	1.57	9.78
tblLandUse	LotAcreage	8.91	9.78
tblLandUse	LotAcreage	0.03	9.78
tblLandUse	LotAcreage	0.38	0.14
tblProjectCharacteristics	OperationalYear	2018	2035
tblSolidWaste	SolidWasteGenerationRate	2.76	7.00
tblSolidWaste	SolidWasteGenerationRate	87.31	170.00
tblSolidWaste	SolidWasteGenerationRate	37.48	97.00
tblSolidWaste	SolidWasteGenerationRate	6,799.03	6,779.00
tblSolidWaste	SolidWasteGenerationRate	0.55	1.00
tblSolidWaste	SolidWasteGenerationRate	737.64	75.00
tblSolidWaste	SolidWasteGenerationRate	10.10	28.00
tblSolidWaste	SolidWasteGenerationRate	29.48	920.00
tblVehicleTrips	CC_TL	8.40	0.00

tblVehicleTrips	CC_TTP	16.10	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	14.30
tblVehicleTrips	CW_TTP	64.90	100.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PR_TP	73.00	100.00
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	10.18	12.84
tblVehicleTrips	ST_TR	8.19	0.00
tblVehicleTrips	ST_TR	8.96	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	ST_TR	1.90	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	8.91	12.84
tblVehicleTrips	SU_TR	5.95	0.00
tblVehicleTrips	SU_TR	1.55	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	SU_TR	1.11	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	13.22	12.84

tblVehicleTrips	WD_TR	8.17	0.00
tblVehicleTrips	WD_TR	36.13	0.00
tblVehicleTrips	WD_TR	1.68	0.00
tblVehicleTrips	WD_TR	8.11	0.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	390,924.15	18,804,435.00
tblWater	IndoorWaterUseRate	16,282,312.50	18,804,435.00
tblWater	IndoorWaterUseRate	7,162,670.04	18,804,435.00
tblWater	IndoorWaterUseRate	78,995,017.62	18,804,435.00
tblWater	IndoorWaterUseRate	25,366.77	18,804,435.00
tblWater	IndoorWaterUseRate	8,570,320.72	18,804,435.00
tblWater	IndoorWaterUseRate	2,483,625.00	18,804,435.00
tblWater	IndoorWaterUseRate	190,747,749.88	18,804,435.00

tblWater	OutdoorWaterUseRate	246,452.18	2,089,397.00
tblWater	OutdoorWaterUseRate	0.00	2,089,397.00
tblWater	OutdoorWaterUseRate	4,390,023.58	2,089,397.00
tblWater	OutdoorWaterUseRate	15,046,670.02	2,089,397.00
tblWater	OutdoorWaterUseRate	2,818.53	2,089,397.00
tblWater	OutdoorWaterUseRate	1,632,442.04	2,089,397.00
tblWater	OutdoorWaterUseRate	0.00	2,089,397.00
tblWater	OutdoorWaterUseRate	0.00	2,089,397.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	0.30	0.00
tblWoodstoves	NumberNoncatalytic	0.30	0.00

2.0 Emissions Summary

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	27.2719	0.1063	0.6590	6.7000e-004		0.0112	0.0112		0.0112	0.0112	0.0000	128.2161	128.2161	3.9700e-003	2.3300e-003	129.0095
Energy	1.6397	14.9047	12.5105	0.0894		1.1329	1.1329		1.1329	1.1329		17,887.4078	17,887.4078	0.3428	0.3279	17,993.7037
Mobile	10.0010	51.2447	145.1513	0.7201	88.5945	0.3786	88.9731	23.5614	0.3509	23.9122		73,691.2558	73,691.2558	2.9291		73,764.4830
Total	**38.9126**	**66.2557**	**158.3207**	**0.8102**	**88.5945**	**1.5227**	**90.1172**	**23.5614**	**1.4950**	**25.0563**	**0.0000**	**91,706.8797**	**91,706.8797**	**3.2759**	**0.3303**	**91,887.1962**

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	27.2719	0.1063	0.6590	6.7000e-004		0.0112	0.0112		0.0112	0.0112	0.0000	128.2161	128.2161	3.9700e-003	2.3300e-003	129.0095
Energy	1.6397	14.9047	12.5105	0.0894		1.1329	1.1329		1.1329	1.1329		17,887.4078	17,887.4078	0.3428	0.3279	17,993.7037
Mobile	10.0010	51.2447	145.1513	0.7201	88.5945	0.3786	88.9731	23.5614	0.3509	23.9122		73,691.2558	73,691.2558	2.9291		73,764.4830
Total	**38.9126**	**66.2557**	**158.3207**	**0.8102**	**88.5945**	**1.5227**	**90.1172**	**23.5614**	**1.4950**	**25.0563**	**0.0000**	**91,706.8797**	**91,706.8797**	**3.2759**	**0.3303**	**91,887.1962**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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**

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	10.0010	51.2447	145.1513	0.7201	88.5945	0.3786	88.9731	23.5614	0.3509	23.9122		73,691.2558	73,691.2558	2.9291		73,764.4830
Unmitigated	10.0010	51.2447	145.1513	0.7201	88.5945	0.3786	88.9731	23.5614	0.3509	23.9122		73,691.2558	73,691.2558	2.9291		73,764.4830

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
General Light Industry	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Hospital	8,083.34	8,083.34	8083.34	42,075,427	42,075,427
Hotel	0.00	0.00	0.00		
Medical Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	0.00	0.00	0.00		
Research & Development	0.00	0.00	0.00		
Total	8,083.34	8,083.34	8,083.34	42,075,427	42,075,427

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
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Hospital	14.30	0.00	0.00	100.00	0.00	0.00	100	0	0
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3
Research & Development	16.60	8.40	6.90	33.00	48.00	19.00	82	15	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hospital	0.622334	0.050426	0.243102	0.026012	0.003227	0.001554	0.005310	0.040482	0.000652	0.000393	0.006137	0.000177	0.000195
Medical Office Building	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
Research & Development	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
Hotel	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
General Light Industry	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
Refrigerated Warehouse-No Rail	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
Apartments Low Rise	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
General Office Building	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
Parking Lot	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

Kilowatt Hours of Renewable Electricity Generated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.6397	14.9047	12.5105	0.0894		1.1329	1.1329		1.1329	1.1329		17,887.4078	17,887.4078	0.3428	0.3279	17,993.7037
NaturalGas Unmitigated	1.6397	14.9047	12.5105	0.0894		1.1329	1.1329		1.1329	1.1329		17,887.4078	17,887.4078	0.3428	0.3279	17,993.7037

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	248.312	2.6800e-003	0.0229	9.7400e-003	1.5000e-004		1.8500e-003	1.8500e-003		1.8500e-003	1.8500e-003		29.2132	29.2132	5.6000e-004	5.4000e-004	29.3868
General Light Industry	3819.45	0.0412	0.3745	0.3145	2.2500e-003		0.0285	0.0285		0.0285	0.0285		449.3467	449.3467	8.6100e-003	8.2400e-003	452.0170
General Office Building	1373.34	0.0148	0.1346	0.1131	8.1000e-004		0.0102	0.0102		0.0102	0.0102		161.5696	161.5696	3.1000e-003	2.9600e-003	162.5298
Hospital	123184	1.3285	12.0768	10.1445	0.0725		0.9178	0.9178		0.9178	0.9178		14,492.1942	14,492.1942	0.2778	0.2657	14,578.3141
Hotel	11.8981	1.3000e-004	1.1700e-003	9.8000e-004	1.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		1.3998	1.3998	3.0000e-005	3.0000e-005	1.4081
Medical Office Building	2327.68	0.0251	0.2282	0.1917	1.3700e-003		0.0173	0.0173		0.0173	0.0173		273.8444	273.8444	5.2500e-003	5.0200e-003	275.4717
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	34.4397	3.7000e-004	3.3800e-003	2.8400e-003	2.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		4.0517	4.0517	8.0000e-005	7.0000e-005	4.0758
Research & Development	21044.2	0.2270	2.0632	1.7331	0.0124		0.1568	0.1568		0.1568	0.1568		2,475.7882	2,475.7882	0.0475	0.0454	2,490.5005
Total		**1.6397**	**14.9047**	**12.5105**	**0.0895**		**1.1329**	**1.1329**		**1.1329**	**1.1329**		**17,887.4078**	**17,887.4078**	**0.3429**	**0.3279**	**17,993.7037**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	0.248312	2.6800e-003	0.0229	9.7400e-003	1.5000e-004		1.8500e-003	1.8500e-003		1.8500e-003	1.8500e-003		29.2132	29.2132	5.6000e-004	5.4000e-004	29.3868
General Light Industry	3.81945	0.0412	0.3745	0.3145	2.2500e-003		0.0285	0.0285		0.0285	0.0285		449.3467	449.3467	8.6100e-003	8.2400e-003	452.0170
General Office Building	1.37334	0.0148	0.1346	0.1131	8.1000e-004		0.0102	0.0102		0.0102	0.0102		161.5696	161.5696	3.1000e-003	2.9600e-003	162.5298
Hospital	123.184	1.3285	12.0768	10.1445	0.0725		0.9178	0.9178		0.9178	0.9178		14,492.1942	14,492.1942	0.2778	0.2657	14,578.3141
Hotel	0.0118981	1.3000e-004	1.1700e-003	9.8000e-004	1.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		1.3998	1.3998	3.0000e-005	3.0000e-005	1.4081
Medical Office Building	2.32768	0.0251	0.2282	0.1917	1.3700e-003		0.0173	0.0173		0.0173	0.0173		273.8444	273.8444	5.2500e-003	5.0200e-003	275.4717
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0.0344397	3.7000e-004	3.3800e-003	2.8400e-003	2.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		4.0517	4.0517	8.0000e-005	7.0000e-005	4.0758
Research & Development	21.0442	0.2270	2.0632	1.7331	0.0124		0.1568	0.1568		0.1568	0.1568		2,475.7882	2,475.7882	0.0475	0.0454	2,490.5005
Total		**1.6397**	**14.9047**	**12.5105**	**0.0895**		**1.1329**	**1.1329**		**1.1329**	**1.1329**		**17,887.4078**	**17,887.4078**	**0.3429**	**0.3279**	**17,993.7037**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	27.2719	0.1063	0.6590	6.7000e-004		0.0112	0.0112		0.0112	0.0112	0.0000	128.2161	128.2161	3.9700e-003	2.3300e-003	129.0095
Unmitigated	27.2719	0.1063	0.6590	6.7000e-004		0.0112	0.0112		0.0112	0.0112	0.0000	128.2161	128.2161	3.9700e-003	2.3300e-003	129.0095

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	3.1003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	24.1340					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0117	0.0995	0.0424	6.4000e-004		8.0500e-003	8.0500e-003		8.0500e-003	8.0500e-003	0.0000	127.0588	127.0588	2.4400e-003	2.3300e-003	127.8139
Landscaping	0.0260	6.8000e-003	0.6167	4.0000e-005		3.1800e-003	3.1800e-003		3.1800e-003	3.1800e-003		1.1573	1.1573	1.5300e-003		1.1956
Total	**27.2719**	**0.1063**	**0.6590**	**6.8000e-004**		**0.0112**	**0.0112**		**0.0112**	**0.0112**	**0.0000**	**128.2161**	**128.2161**	**3.9700e-003**	**2.3300e-003**	**129.0095**

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	3.1003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	24.1340					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0117	0.0995	0.0424	6.4000e-004		8.0500e-003	8.0500e-003		8.0500e-003	8.0500e-003	0.0000	127.0588	127.0588	2.4400e-003	2.3300e-003	127.8139
Landscaping	0.0260	6.8000e-003	0.6167	4.0000e-005		3.1800e-003	3.1800e-003		3.1800e-003	3.1800e-003		1.1573	1.1573	1.5300e-003		1.1956
Total	**27.2719**	**0.1063**	**0.6590**	**6.8000e-004**		**0.0112**	**0.0112**		**0.0112**	**0.0112**	**0.0000**	**128.2161**	**128.2161**	**3.9700e-003**	**2.3300e-003**	**129.0095**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Phase 4_Existing Remaining

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	629.54	1000sqft	9.78	629,544.00	0
Medical Office Building	68.30	1000sqft	9.78	68,296.00	0
Research & Development	387.94	1000sqft	9.78	387,936.00	0
Hotel	1.00	Room	9.78	168.00	0
General Light Industry	70.41	1000sqft	1.62	70,409.00	0
Refrigerated Warehouse-No Rail	10.74	1000sqft	0.25	10,744.00	0
Apartments Low Rise	6.00	Dwelling Unit	0.14	5,958.00	17
General Office Building	40.30	1000sqft	0.93	40,295.00	0
Parking Lot	7.11	Acre	7.11	309,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2035
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on provided phasing plan.

Construction Phase -

Vehicle Trips - Trip generation rate and trip distance based on information provided by Fehr & Peers. For purposes of this analysis, all trips assigned to the Hospital land use.

Vehicle Emission Factors -

Vehicle Emission Factors -

Fleet Mix - Based on Caltrans vehicle mix data for the segment of Interstate 210 west of Interstate 605.

Woodstoves - Assumes all natural gas fireplaces.

Energy Use -

Water And Wastewater - Based on information provided by KPFF. Assumes no septic tanks of facultive lagoons. Assumes proportion indoor/outdoor water use for land uses for purposes of this analysis.

Solid Waste - Based on information provided in Chapter 5.16, Utilities and Service Systems, of the DEIR.

Energy Mitigation -

Vehicle Emission Factors -

Table Name	Column Name	Default Value	New Value
tblEnergyUse	LightingElect	0.88	0.88
tblEnergyUse	T24E	286.35	286.35
tblEnergyUse	T24NG	12,489.48	12,489.48
tblFireplaces	NumberGas	5.10	6.00
tblFireplaces	NumberNoFireplace	0.60	0.00
tblFireplaces	NumberWood	0.30	0.00
tblFleetMix	HHD	0.04	0.04
tblFleetMix	LDA	0.54	0.62
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT2	0.21	0.24
tblFleetMix	LHD1	0.01	3.2270e-003

tblFleetMix	LHD2	6.4400e-003	1.5540e-003
tblFleetMix	MCY	5.3240e-003	6.1370e-003
tblFleetMix	MDV	0.12	0.03
tblFleetMix	MH	8.0700e-004	1.9500e-004
tblFleetMix	MHD	0.02	5.3100e-003
tblFleetMix	OBUS	2.7030e-003	6.5200e-004
tblFleetMix	SBUS	7.3200e-004	1.7700e-004
tblFleetMix	UBUS	1.6290e-003	3.9300e-004
tblLandUse	BuildingSpaceSquareFeet	1,452.00	168.00
tblLandUse	BuildingSpaceSquareFeet	6,000.00	5,958.00
tblLandUse	BuildingSpaceSquareFeet	309,711.60	309,600.00
tblLandUse	LandUseSquareFeet	1,452.00	168.00
tblLandUse	LandUseSquareFeet	6,000.00	5,958.00
tblLandUse	LandUseSquareFeet	309,711.60	309,600.00
tblLandUse	LotAcreage	14.45	9.78
tblLandUse	LotAcreage	1.57	9.78
tblLandUse	LotAcreage	8.91	9.78
tblLandUse	LotAcreage	0.03	9.78
tblLandUse	LotAcreage	0.38	0.14
tblProjectCharacteristics	OperationalYear	2018	2035
tblSolidWaste	SolidWasteGenerationRate	2.76	7.00
tblSolidWaste	SolidWasteGenerationRate	87.31	170.00
tblSolidWaste	SolidWasteGenerationRate	37.48	97.00
tblSolidWaste	SolidWasteGenerationRate	6,799.03	6,779.00
tblSolidWaste	SolidWasteGenerationRate	0.55	1.00
tblSolidWaste	SolidWasteGenerationRate	737.64	75.00
tblSolidWaste	SolidWasteGenerationRate	10.10	28.00

tblSolidWaste	SolidWasteGenerationRate	29.48	920.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	16.10	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	14.30
tblVehicleTrips	CW_TTP	64.90	100.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PR_TP	73.00	100.00
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	10.18	12.84
tblVehicleTrips	ST_TR	8.19	0.00
tblVehicleTrips	ST_TR	8.96	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	ST_TR	1.90	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	8.91	12.84
tblVehicleTrips	SU_TR	5.95	0.00
tblVehicleTrips	SU_TR	1.55	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	SU_TR	1.11	0.00
tblVehicleTrips	WD_TR	6.59	0.00

tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	13.22	12.84
tblVehicleTrips	WD_TR	8.17	0.00
tblVehicleTrips	WD_TR	36.13	0.00
tblVehicleTrips	WD_TR	1.68	0.00
tblVehicleTrips	WD_TR	8.11	0.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	390,924.15	18,804,435.00
tblWater	IndoorWaterUseRate	16,282,312.50	18,804,435.00
tblWater	IndoorWaterUseRate	7,162,670.04	18,804,435.00
tblWater	IndoorWaterUseRate	78,995,017.62	18,804,435.00

tblWater	IndoorWaterUseRate	25,366.77	18,804,435.00
tblWater	IndoorWaterUseRate	8,570,320.72	18,804,435.00
tblWater	IndoorWaterUseRate	2,483,625.00	18,804,435.00
tblWater	IndoorWaterUseRate	190,747,749.88	18,804,435.00
tblWater	OutdoorWaterUseRate	246,452.18	2,089,397.00
tblWater	OutdoorWaterUseRate	0.00	2,089,397.00
tblWater	OutdoorWaterUseRate	4,390,023.58	2,089,397.00
tblWater	OutdoorWaterUseRate	15,046,670.02	2,089,397.00
tblWater	OutdoorWaterUseRate	2,818.53	2,089,397.00
tblWater	OutdoorWaterUseRate	1,632,442.04	2,089,397.00
tblWater	OutdoorWaterUseRate	0.00	2,089,397.00
tblWater	OutdoorWaterUseRate	0.00	2,089,397.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	0.30	0.00
tblWoodstoves	NumberNoncatalytic	0.30	0.00

2.0 Emissions Summary

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	4.9737	2.0900e-003	0.0776	1.0000e-005		5.0000e-004	5.0000e-004		5.0000e-004	5.0000e-004	0.0000	1.5721	1.5721	2.0000e-004	3.0000e-005	1.5850
Energy	0.2992	2.7201	2.2832	0.0163		0.2068	0.2068		0.2068	0.2068	0.0000	10,450.5889	10,450.5889	0.3660	0.1183	10,494.9799
Mobile	1.7912	9.4921	26.8481	0.1329	15.8099	0.0687	15.8786	4.2110	0.0637	4.2747	0.0000	12,339.0224	12,339.0224	0.4810	0.0000	12,351.0481
Waste						0.0000	0.0000		0.0000	0.0000	1,639.5580	0.0000	1,639.5580	96.8951	0.0000	4,061.9356
Water						0.0000	0.0000		0.0000	0.0000	53.2243	683.2919	736.5162	0.2114	0.1216	778.0327
Total	**7.0641**	**12.2143**	**29.2089**	**0.1492**	**15.8099**	**0.2760**	**16.0859**	**4.2110**	**0.2710**	**4.4820**	**1,692.7823**	**23,474.4752**	**25,167.2575**	**97.9537**	**0.2399**	**27,687.5812**

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	4.9737	2.0900e-003	0.0776	1.0000e-005		5.0000e-004	5.0000e-004		5.0000e-004	5.0000e-004	0.0000	1.5721	1.5721	2.0000e-004	3.0000e-005	1.5850
Energy	0.2992	2.7201	2.2832	0.0163		0.2068	0.2068		0.2068	0.2068	0.0000	10,450.2081	10,450.2081	0.3659	0.1183	10,494.5978
Mobile	1.7912	9.4921	26.8481	0.1329	15.8099	0.0687	15.8786	4.2110	0.0637	4.2747	0.0000	12,339.0224	12,339.0224	0.4810	0.0000	12,351.0481
Waste						0.0000	0.0000		0.0000	0.0000	1,639.5580	0.0000	1,639.5580	96.8951	0.0000	4,061.9356
Water						0.0000	0.0000		0.0000	0.0000	53.2243	683.2919	736.5162	0.2114	0.1216	778.0327
Total	**7.0641**	**12.2143**	**29.2089**	**0.1492**	**15.8099**	**0.2760**	**16.0859**	**4.2110**	**0.2710**	**4.4820**	**1,692.7823**	**23,474.0945**	**25,166.8768**	**97.9537**	**0.2399**	**27,687.1991**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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**

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	1.7912	9.4921	26.8481	0.1329	15.8099	0.0687	15.8786	4.2110	0.0637	4.2747	0.0000	12,339.0224	12,339.0224	0.4810	0.0000	12,351.0481
Unmitigated	1.7912	9.4921	26.8481	0.1329	15.8099	0.0687	15.8786	4.2110	0.0637	4.2747	0.0000	12,339.0224	12,339.0224	0.4810	0.0000	12,351.0481

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
General Light Industry	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Hospital	8,083.34	8,083.34	8083.34	42,075,427	42,075,427
Hotel	0.00	0.00	0.00		
Medical Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	0.00	0.00	0.00		
Research & Development	0.00	0.00	0.00		
Total	8,083.34	8,083.34	8,083.34	42,075,427	42,075,427

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
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Hospital	14.30	0.00	0.00	100.00	0.00	0.00	100	0	0
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3
Research & Development	16.60	8.40	6.90	33.00	48.00	19.00	82	15	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hospital	0.622334	0.050426	0.243102	0.026012	0.003227	0.001554	0.005310	0.040482	0.000652	0.000393	0.006137	0.000177	0.000195
Medical Office Building	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
Research & Development	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
Hotel	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
General Light Industry	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
Refrigerated Warehouse-No Rail	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
Apartments Low Rise	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
General Office Building	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
Parking Lot	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

Kilowatt Hours of Renewable Electricity Generated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	7,488.7472	7,488.7472	0.3092	0.0640	7,515.5384
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	7,489.1279	7,489.1279	0.3092	0.0640	7,515.9205
NaturalGas Mitigated	0.2992	2.7201	2.2832	0.0163		0.2068	0.2068		0.2068	0.2068	0.0000	2,961.4610	2,961.4610	0.0568	0.0543	2,979.0595
NaturalGas Unmitigated	0.2992	2.7201	2.2832	0.0163		0.2068	0.2068		0.2068	0.2068	0.0000	2,961.4610	2,961.4610	0.0568	0.0543	2,979.0595

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	90633.8	4.9000e-004	4.1800e-003	1.7800e-003	3.0000e-005		3.4000e-004	3.4000e-004		3.4000e-004	3.4000e-004	0.0000	4.8366	4.8366	9.0000e-005	9.0000e-005	4.8653
General Light Industry	1.3941e+006	7.5200e-003	0.0683	0.0574	4.1000e-004		5.1900e-003	5.1900e-003		5.1900e-003	5.1900e-003	0.0000	74.3944	74.3944	1.4300e-003	1.3600e-003	74.8365
General Office Building	501270	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003	0.0000	26.7497	26.7497	5.1000e-004	4.9000e-004	26.9086
Hospital	4.4962e+007	0.2424	2.2040	1.8514	0.0132		0.1675	0.1675		0.1675	0.1675	0.0000	2,399.3453	2,399.3453	0.0460	0.0440	2,413.6034
Hotel	4342.8	2.0000e-005	2.1000e-004	1.8000e-004	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.2318	0.2318	0.0000	0.0000	0.2331
Medical Office Building	849602	4.5800e-003	0.0417	0.0350	2.5000e-004		3.1700e-003	3.1700e-003		3.1700e-003	3.1700e-003	0.0000	45.3380	45.3380	8.7000e-004	8.3000e-004	45.6074
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	12570.5	7.0000e-005	6.2000e-004	5.2000e-004	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.6708	0.6708	1.0000e-005	1.0000e-005	0.6748
Research & Development	7.68113e+006	0.0414	0.3765	0.3163	2.2600e-003		0.0286	0.0286		0.0286	0.0286	0.0000	409.8945	409.8945	7.8600e-003	7.5100e-003	412.3303
Total		**0.2992**	**2.7201**	**2.2832**	**0.0163**		**0.2068**	**0.2068**		**0.2068**	**0.2068**	**0.0000**	**2,961.4610**	**2,961.4610**	**0.0568**	**0.0543**	**2,979.0595**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	90633.8	4.9000e-004	4.1800e-003	1.7800e-003	3.0000e-005		3.4000e-004	3.4000e-004		3.4000e-004	3.4000e-004	0.0000	4.8366	4.8366	9.0000e-005	9.0000e-005	4.8653
General Light Industry	1.3941e+006	7.5200e-003	0.0683	0.0574	4.1000e-004		5.1900e-003	5.1900e-003		5.1900e-003	5.1900e-003	0.0000	74.3944	74.3944	1.4300e-003	1.3600e-003	74.8365
General Office Building	501270	2.7000e-003	0.0246	0.0206	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003	0.0000	26.7497	26.7497	5.1000e-004	4.9000e-004	26.9086
Hospital	4.4962e+007	0.2424	2.2040	1.8514	0.0132		0.1675	0.1675		0.1675	0.1675	0.0000	2,399.3453	2,399.3453	0.0460	0.0440	2,413.6034
Hotel	4342.8	2.0000e-005	2.1000e-004	1.8000e-004	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.2318	0.2318	0.0000	0.0000	0.2331
Medical Office Building	849602	4.5800e-003	0.0417	0.0350	2.5000e-004		3.1700e-003	3.1700e-003		3.1700e-003	3.1700e-003	0.0000	45.3380	45.3380	8.7000e-004	8.3000e-004	45.6074
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	12570.5	7.0000e-005	6.2000e-004	5.2000e-004	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.6708	0.6708	1.0000e-005	1.0000e-005	0.6748
Research & Development	7.68113e+006	0.0414	0.3765	0.3163	2.2600e-003		0.0286	0.0286		0.0286	0.0286	0.0000	409.8945	409.8945	7.8600e-003	7.5100e-003	412.3303
Total		**0.2992**	**2.7201**	**2.2832**	**0.0163**		**0.2068**	**0.2068**		**0.2068**	**0.2068**	**0.0000**	**2,961.4610**	**2,961.4610**	**0.0568**	**0.0543**	**2,979.0595**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	22365.5	7.1261	2.9000e-004	6.0000e-005	7.1516
General Light Industry	882929	281.3201	0.0116	2.4000e-003	282.3265
General Office Building	614096	195.6641	8.0800e-003	1.6700e-003	196.3641
Hospital	1.5619e+007	4,976.5438	0.2055	0.0425	4,994.3475
Hotel	1522.08	0.4850	2.0000e-005	0.0000	0.4867
Medical Office Building	1.04083e+006	331.6311	0.0137	2.8300e-003	332.8175
Parking Lot	271210	86.4132	3.5700e-003	7.4000e-004	86.7223
Refrigerated Warehouse-No Rail	188127	59.9414	2.4700e-003	5.1000e-004	60.1559
Research & Development	4.86472e+006	1,550.0032	0.0640	0.0132	1,555.5484
Total		**7,489.1279**	**0.3092**	**0.0640**	**7,515.9205**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	22232.8	7.0838	2.9000e-004	6.0000e-005	7.1092
General Light Industry	882796	281.2778	0.0116	2.4000e-003	282.2840
General Office Building	613963	195.6218	8.0800e-003	1.6700e-003	196.3216
Hospital	1.56189e+007	4,976.5015	0.2055	0.0425	4,994.3051
Hotel	1389.3	0.4427	2.0000e-005	0.0000	0.4443
Medical Office Building	1.0407e+006	331.5888	0.0137	2.8300e-003	332.7750
Parking Lot	271077	86.3709	3.5700e-003	7.4000e-004	86.6799
Refrigerated Warehouse-No Rail	187995	59.8991	2.4700e-003	5.1000e-004	60.1134
Research & Development	4.86458e+006	1,549.9609	0.0640	0.0132	1,555.5059
Total		**7,488.7471**	**0.3092**	**0.0640**	**7,515.5384**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	4.9737	2.0900e-003	0.0776	1.0000e-005		5.0000e-004	5.0000e-004		5.0000e-004	5.0000e-004	0.0000	1.5721	1.5721	2.0000e-004	3.0000e-005	1.5850
Unmitigated	4.9737	2.0900e-003	0.0776	1.0000e-005		5.0000e-004	5.0000e-004		5.0000e-004	5.0000e-004	0.0000	1.5721	1.5721	2.0000e-004	3.0000e-005	1.5850

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.5658					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.4045					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.5000e-004	1.2400e-003	5.3000e-004	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	1.4408	1.4408	3.0000e-005	3.0000e-005	1.4494
Landscaping	3.2500e-003	8.5000e-004	0.0771	0.0000		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004	0.0000	0.1312	0.1312	1.7000e-004	0.0000	0.1356
Total	**4.9737**	**2.0900e-003**	**0.0776**	**1.0000e-005**		**5.0000e-004**	**5.0000e-004**		**5.0000e-004**	**5.0000e-004**	**0.0000**	**1.5721**	**1.5721**	**2.0000e-004**	**3.0000e-005**	**1.5850**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.5658					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.4045					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.5000e-004	1.2400e-003	5.3000e-004	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	1.4408	1.4408	3.0000e-005	3.0000e-005	1.4494
Landscaping	3.2500e-003	8.5000e-004	0.0771	0.0000		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004	0.0000	0.1312	0.1312	1.7000e-004	0.0000	0.1356
Total	**4.9737**	**2.0900e-003**	**0.0776**	**1.0000e-005**		**5.0000e-004**	**5.0000e-004**		**5.0000e-004**	**5.0000e-004**	**0.0000**	**1.5721**	**1.5721**	**2.0000e-004**	**3.0000e-005**	**1.5850**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	736.5162	0.2114	0.1216	778.0327
Unmitigated	736.5162	0.2114	0.1216	778.0327

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
General Light Industry	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
General Office Building	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Hospital	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Hotel	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Medical Office Building	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Research & Development	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Total		**736.5162**	**0.2114**	**0.1216**	**778.0327**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
General Light Industry	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
General Office Building	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Hospital	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Hotel	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Medical Office Building	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Research & Development	18.8044 / 2.0894	92.0645	0.0264	0.0152	97.2541
Total		**736.5162**	**0.2114**	**0.1216**	**778.0327**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	1,639.5580	96.8951	0.0000	4,061.9356
Unmitigated	1,639.5580	96.8951	0.0000	4,061.9356

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	7	1.4209	0.0840	0.0000	3.5203
General Light Industry	170	34.5085	2.0394	0.0000	85.4933
General Office Building	97	19.6901	1.1637	0.0000	48.7815
Hospital	6779	1,376.0757	81.3238	0.0000	3,409.1694
Hotel	1	0.2030	0.0120	0.0000	0.5029
Medical Office Building	75	15.2243	0.8997	0.0000	37.7176
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	28	5.6838	0.3359	0.0000	14.0812
Research & Development	920	186.7517	11.0367	0.0000	462.6694
Total		**1,639.5580**	**96.8951**	**0.0000**	**4,061.9356**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	7	1.4209	0.0840	0.0000	3.5203
General Light Industry	170	34.5085	2.0394	0.0000	85.4933
General Office Building	97	19.6901	1.1637	0.0000	48.7815
Hospital	6779	1,376.0757	81.3238	0.0000	3,409.1694
Hotel	1	0.2030	0.0120	0.0000	0.5029
Medical Office Building	75	15.2243	0.8997	0.0000	37.7176
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	28	5.6838	0.3359	0.0000	14.0812
Research & Development	920	186.7517	11.0367	0.0000	462.6694
Total		**1,639.5580**	**96.8951**	**0.0000**	**4,061.9356**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Phase 4_Existing Remaining

Los Angeles-South Coast, Summary Report

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	629.54	1000sqft	9.78	629,544.00	0
Medical Office Building	68.30	1000sqft	9.78	68,296.00	0
Research & Development	387.94	1000sqft	9.78	387,936.00	0
Hotel	1.00	Room	9.78	168.00	0
General Light Industry	70.41	1000sqft	1.62	70,409.00	0
Refrigerated Warehouse-No Rail	10.74	1000sqft	0.25	10,744.00	0
Apartments Low Rise	6.00	Dwelling Unit	0.14	5,958.00	17
General Office Building	40.30	1000sqft	0.93	40,295.00	0
Parking Lot	7.11	Acre	7.11	309,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2035
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments

Only CalEEMod defaults were used.

Project Characteristics -

Land Use - Based on provided phasing plan.

Construction Phase -

Vehicle Trips - Trip generation rate and trip distance based on information provided by Fehr & Peers. For purposes of this analysis, all trips assigned to the Hospital land use.
Vehicle Emission Factors -

Vehicle Emission Factors -

Fleet Mix - Based on Caltrans vehicle mix data for the segment of Interstate 210 west of Interstate 605.

Woodstoves - Assumes all natural gas fireplaces.

Energy Use -

Water And Wastewater - Based on information provided by KPFF. Assumes no septic tanks of facultive lagoons. Assumes proportion indoor/outdoor water use for land uses for purposes of this analysis.
Solid Waste - Based on information provided in Chapter 5.16, Utilities and Service Systems, of the DEIR.

Energy Mitigation -

Vehicle Emission Factors -

2.0 Peak Daily Emissions

Peak Daily Operational Emissions

Peak Daily Operational Emissions

		Unmitigated						Mitigated					
		ROG	NOX	CO	SO2	PM10	PM2.5	ROG	NOX	CO	SO2	PM10	PM2.5
	Operational Activity	lb/day											
On-Site	Area	27.2719 S	0.1063 S	0.6590 S	6.7000e-004 S	0.0112 S	0.0112 S	27.2719 S	0.1063 S	0.6590 S	6.7000e-004 S	0.0112 S	0.0112 S
On-Site	Energy	1.6397 S	14.9047 S	12.5105 S	0.0894 S	1.1329 S	1.1329 S	1.6397 S	14.9047 S	12.5105 S	0.0894 S	1.1329 S	1.1329 S
Off-Site	Mobile	10.2135 S	51.2447 W	154.4805 S	0.7570 S	88.9731 W	23.9122 W	10.2135 S	51.2447 W	154.4805 S	0.7570 S	88.9731 W	23.9122 W
	Peak Daily Total	39.1251 S	66.2557 W	167.6500 S	0.8471 S	90.1172 W	25.0563 W	39.1251 S	66.2557 W	167.6500 S	0.8471 S	90.1172 W	25.0563 W
	Air District Threshold												
	Exceed Significance?												

3.0 Annual GHG Emissions

Annual GHG

Annual GHG

		Unmitigated				Mitigated			
		CO2	CH4	N2O	CO2e	CO2	CH4	N2O	CO2e
GHG Activity	Year	MT/yr							
Operational	2035	25,167.2575	97.9537	0.2399	27,687.5804	25,166.8768	97.9537	0.2399	27,687.1992
	Total								
	Significance Threshold								
	Exceed Significance?								

Phase 4_Existing Remaining

Los Angeles-South Coast County, Mitigation Report

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.01
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting:

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value 3
No	Land Use	Increase Density	0.00			
No	Land Use	Increase Diversity	0.08	0.28		
No	Land Use	Improve Walkability Design	0.00			
No	Land Use	Improve Destination Accessibility	0.00			
No	Land Use	Increase Transit Accessibility	0.25			

No	Land Use	Integrate Below Market Rate Housing	0.00			
	Land Use	Land Use SubTotal	0.00			
No	Neighborhood Enhancements	Improve Pedestrian Network				
No	Neighborhood Enhancements	Provide Traffic Calming Measures				
No	Neighborhood Enhancements	Implement NEV Network	0.00			
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00			
No	Parking Policy Pricing	Limit Parking Supply	0.00			
No	Parking Policy Pricing	Unbundle Parking Costs	0.00			
No	Parking Policy Pricing	On-street Market Pricing	0.00			
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00			
No	Transit Improvements	Provide BRT System	0.00			
No	Transit Improvements	Expand Transit Network	0.00			
No	Transit Improvements	Increase Transit Frequency	0.00			
	Transit Improvements	Transit Improvements Subtotal	0.00			
		Land Use and Site Enhancement Subtotal	0.00			
No	Commute	Implement Trip Reduction Program				
No	Commute	Transit Subsidy				
No	Commute	Implement Employee Parking "Cash Out"				
No	Commute	Workplace Parking Charge				
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00			
No	Commute	Market Commute Trip Reduction Option	0.00			
No	Commute	Employee Vanpool/Shuttle	0.00		2.00	
No	Commute	Provide Ride Sharing Program				
	Commute	Commute Subtotal	0.00			
No	School Trip	Implement School Bus Program	0.00			
		Total VMT Reduction	0.00			

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
No	No Hearth	
No	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	50.00
No	Use Low VOC Paint (Residential Exterior)	50.00
No	Use Low VOC Paint (Non-residential Interior)	100.00
No	Use Low VOC Paint (Non-residential Exterior)	100.00
No	Use Low VOC Paint (Parking)	100.00
No	% Electric Lawnmower	
No	% Electric Leafblower	
No	% Electric Chainsaw	

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Exceed Title 24		
No	Install High Efficiency Lighting		
Yes	On-site Renewable	1,195.00	

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Apply Water Conservation on Strategy		
No	Use Reclaimed Water		
No	Use Grey Water		
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction		
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape		

Solid Waste Mitigation

Mitigation Measures	Input Value
Institute Recycling and Composting Services	
Percent Reduction in Waste Disposed	

CalEEMod Output: Operation – Proposed (Phase 1)

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Phase 1 Operation-Proposed New

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	280.00	1000sqft	1.86	280,000.00	0
Medical Office Building	60.00	1000sqft	0.78	60,000.00	0
Research & Development	180.00	1000sqft	1.46	180,000.00	0
Enclosed Parking with Elevator	700.00	1000sqft	3.05	700,000.00	0
Parking Lot	6.43	Acre	6.43	279,900.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on information provided.

Construction Phase -

Vehicle Trips - For purposes of this analysis, all trips assigned to hospital land use. Information provided by Fehr & Peers.

Fleet Mix - Based on Caltrans vehicle mix data the segment of Interstate 210 west of Interstate 605.

Water And Wastewater - Based on information provided by KPFF. For purposes of this analysis, water use is proportioned equally among the land uses. Assumes no septic systems or facultive lagoons.

Solid Waste - Based on information presented in Chapter 5.16, Utilities and Service Systems, of the DEIR.

Energy Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblFleetMix	HHD	0.03	0.04
tblFleetMix	LDA	0.55	0.63
tblFleetMix	LDT1	0.05	0.05
tblFleetMix	LDT2	0.20	0.23
tblFleetMix	LHD1	0.02	3.8420e-003
tblFleetMix	LHD2	6.1430e-003	1.4620e-003
tblFleetMix	MCY	5.0780e-003	5.8510e-003
tblFleetMix	MDV	0.12	0.03
tblFleetMix	MH	8.9100e-004	2.1200e-004
tblFleetMix	MHD	0.02	4.6980e-003
tblFleetMix	OBUS	2.4790e-003	5.9000e-004
tblFleetMix	SBUS	6.8200e-004	1.6200e-004
tblFleetMix	UBUS	2.2700e-003	5.4000e-004
tblLandUse	BuildingSpaceSquareFeet	280,090.80	279,900.00
tblLandUse	LandUseSquareFeet	280,090.80	279,900.00
tblLandUse	LotAcreage	6.43	1.86
tblLandUse	LotAcreage	1.38	0.78
tblLandUse	LotAcreage	4.13	1.46
tblLandUse	LotAcreage	16.07	3.05
tblProjectCharacteristics	OperationalYear	2018	2021

tblSolidWaste	SolidWasteGenerationRate	3,024.00	3.02
tblSolidWaste	SolidWasteGenerationRate	648.00	66.00
tblSolidWaste	SolidWasteGenerationRate	13.68	427.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	16.10	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	14.30
tblVehicleTrips	CW_TTP	64.90	100.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PR_TP	73.00	100.00
tblVehicleTrips	ST_TR	10.18	11.23
tblVehicleTrips	ST_TR	8.96	0.00
tblVehicleTrips	ST_TR	1.90	0.00
tblVehicleTrips	SU_TR	8.91	11.23
tblVehicleTrips	SU_TR	1.55	0.00
tblVehicleTrips	SU_TR	1.11	0.00
tblVehicleTrips	WD_TR	13.22	11.23
tblVehicleTrips	WD_TR	36.13	0.00
tblVehicleTrips	WD_TR	8.11	0.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	35,134,550.52	18,250,000.00

tblWater	IndoorWaterUseRate	7,528,832.25	18,250,000.00
tblWater	IndoorWaterUseRate	88,504,910.50	18,250,000.00
tblWater	OutdoorWaterUseRate	6,692,295.34	2,007,500.00
tblWater	OutdoorWaterUseRate	1,434,063.29	2,007,500.00
tblWater	OutdoorWaterUseRate	0.00	2,007,500.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

2.0 Emissions Summary

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	12.0501	1.1500e-003	0.1257	1.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004		0.2684	0.2684	7.1000e-004		0.2862
Energy	0.6532	5.9381	4.9880	0.0356		0.4513	0.4513		0.4513	0.4513		7,125.7373	7,125.7373	0.1366	0.1306	7,168.0820
Mobile	7.1742	37.2750	113.0578	0.4068	34.4703	0.3243	34.7947	9.1685	0.3021	9.4707		41,279.5794	41,279.5794	1.8118		41,324.8733
Total	**19.8775**	**43.2142**	**118.1715**	**0.4424**	**34.4703**	**0.7761**	**35.2464**	**9.1685**	**0.7539**	**9.9224**		**48,405.5851**	**48,405.5851**	**1.9491**	**0.1306**	**48,493.2415**

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	12.0501	1.1500e-003	0.1257	1.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004		0.2684	0.2684	7.1000e-004		0.2862
Energy	0.6258	5.6892	4.7789	0.0341		0.4324	0.4324		0.4324	0.4324		6,827.0492	6,827.0492	0.1309	0.1252	6,867.6189
Mobile	7.1742	37.2750	113.0578	0.4068	34.4703	0.3243	34.7947	9.1685	0.3021	9.4707		41,279.5794	41,279.5794	1.8118		41,324.8733
Total	**19.8501**	**42.9653**	**117.9624**	**0.4410**	**34.4703**	**0.7572**	**35.2275**	**9.1685**	**0.7350**	**9.9035**		**48,106.8969**	**48,106.8969**	**1.9433**	**0.1252**	**48,192.7784**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.14**	**0.58**	**0.18**	**0.34**	**0.00**	**2.44**	**0.05**	**0.00**	**2.51**	**0.19**	**0.00**	**0.62**	**0.62**	**0.29**	**4.19**	**0.62**

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	7.1742	37.2750	113.0578	0.4068	34.4703	0.3243	34.7947	9.1685	0.3021	9.4707		41,279.5794	41,279.5794	1.8118		41,324.8733
Unmitigated	7.1742	37.2750	113.0578	0.4068	34.4703	0.3243	34.7947	9.1685	0.3021	9.4707		41,279.5794	41,279.5794	1.8118		41,324.8733

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
Hospital	3,144.40	3,144.40	3144.40	16,367,231	16,367,231
Medical Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Research & Development	0.00	0.00	0.00		
Total	3,144.40	3,144.40	3,144.40	16,367,231	16,367,231

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
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Hospital	14.30	0.00	0.00	100.00	0.00	0.00	100	0	0
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Research & Development	16.60	8.40	6.90	33.00	48.00	19.00	82	15	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hospital	0.630489	0.052054	0.233606	0.026012	0.003842	0.001462	0.004698	0.040482	0.000590	0.000540	0.005851	0.000162	0.000212
Medical Office Building	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Research & Development	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Enclosed Parking with Elevator	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Parking Lot	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891

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	0.6258	5.6892	4.7789	0.0341		0.4324	0.4324		0.4324	0.4324		6,827.0492	6,827.0492	0.1309	0.1252	6,867.6189
NaturalGas Unmitigated	0.6532	5.9381	4.9880	0.0356		0.4513	0.4513		0.4513	0.4513		7,125.7373	7,125.7373	0.1366	0.1306	7,168.0820

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hospital	49893.7	0.5381	4.8915	4.1089	0.0294		0.3718	0.3718		0.3718	0.3718		5,869.8469	5,869.8469	0.1125	0.1076	5,904.7285
Medical Office Building	1719.45	0.0185	0.1686	0.1416	1.0100e-003		0.0128	0.0128		0.0128	0.0128		202.2885	202.2885	3.8800e-003	3.7100e-003	203.4906
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	8955.62	0.0966	0.8780	0.7375	5.2700e-003		0.0667	0.0667		0.0667	0.0667		1,053.6019	1,053.6019	0.0202	0.0193	1,059.8630
Total		**0.6532**	**5.9381**	**4.9880**	**0.0356**		**0.4513**	**0.4513**		**0.4513**	**0.4513**		**7,125.7373**	**7,125.7373**	**0.1366**	**0.1306**	**7,168.0820**

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hospital	47.7757	0.5152	4.6839	3.9345	0.0281		0.3560	0.3560		0.3560	0.3560		5,620.6672	5,620.6672	0.1077	0.1031	5,654.0680
Medical Office Building	1.63668	0.0177	0.1605	0.1348	9.6000e-004		0.0122	0.0122		0.0122	0.0122		192.5512	192.5512	3.6900e-003	3.5300e-003	193.6954
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	8.61756	0.0929	0.8449	0.7097	5.0700e-003		0.0642	0.0642		0.0642	0.0642		1,013.8308	1,013.8308	0.0194	0.0186	1,019.8555
Total		**0.6258**	**5.6892**	**4.7789**	**0.0341**		**0.4324**	**0.4324**		**0.4324**	**0.4324**		**6,827.0492**	**6,827.0492**	**0.1309**	**0.1252**	**6,867.6189**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	12.0501	1.1500e-003	0.1257	1.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004		0.2684	0.2684	7.1000e-004		0.2862
Unmitigated	12.0501	1.1500e-003	0.1257	1.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004		0.2684	0.2684	7.1000e-004		0.2862

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	1.3953					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	10.6431					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0117	1.1500e-003	0.1257	1.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004		0.2684	0.2684	7.1000e-004		0.2862
Total	**12.0501**	**1.1500e-003**	**0.1257**	**1.0000e-005**		**4.5000e-004**	**4.5000e-004**		**4.5000e-004**	**4.5000e-004**		**0.2684**	**0.2684**	**7.1000e-004**		**0.2862**

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	1.3953					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	10.6431					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0117	1.1500e-003	0.1257	1.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004		0.2684	0.2684	7.1000e-004		0.2862
Total	**12.0501**	**1.1500e-003**	**0.1257**	**1.0000e-005**		**4.5000e-004**	**4.5000e-004**		**4.5000e-004**	**4.5000e-004**		**0.2684**	**0.2684**	**7.1000e-004**		**0.2862**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Phase 1 Operation-Proposed New

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	280.00	1000sqft	1.86	280,000.00	0
Medical Office Building	60.00	1000sqft	0.78	60,000.00	0
Research & Development	180.00	1000sqft	1.46	180,000.00	0
Enclosed Parking with Elevator	700.00	1000sqft	3.05	700,000.00	0
Parking Lot	6.43	Acre	6.43	279,900.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on information provided.

Construction Phase -

Vehicle Trips - For purposes of this analysis, all trips assigned to hospital land use. Information provided by Fehr & Peers.

Fleet Mix - Based on Caltrans vehicle mix data the segment of Interstate 210 west of Interstate 605.

Water And Wastewater - Based on information provided by KPFF. For purposes of this analysis, water use is proportioned equally among the land uses. Assumes no septic systems or facultive lagoons.

Solid Waste - Based on information presented in Chapter 5.16, Utilities and Service Systems, of the DEIR.

Energy Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblFleetMix	HHD	0.03	0.04
tblFleetMix	LDA	0.55	0.63
tblFleetMix	LDT1	0.05	0.05
tblFleetMix	LDT2	0.20	0.23
tblFleetMix	LHD1	0.02	3.8420e-003
tblFleetMix	LHD2	6.1430e-003	1.4620e-003
tblFleetMix	MCY	5.0780e-003	5.8510e-003
tblFleetMix	MDV	0.12	0.03
tblFleetMix	MH	8.9100e-004	2.1200e-004
tblFleetMix	MHD	0.02	4.6980e-003
tblFleetMix	OBUS	2.4790e-003	5.9000e-004
tblFleetMix	SBUS	6.8200e-004	1.6200e-004
tblFleetMix	UBUS	2.2700e-003	5.4000e-004
tblLandUse	BuildingSpaceSquareFeet	280,090.80	279,900.00
tblLandUse	LandUseSquareFeet	280,090.80	279,900.00
tblLandUse	LotAcreage	6.43	1.86
tblLandUse	LotAcreage	1.38	0.78
tblLandUse	LotAcreage	4.13	1.46
tblLandUse	LotAcreage	16.07	3.05
tblProjectCharacteristics	OperationalYear	2018	2021

tblSolidWaste	SolidWasteGenerationRate	3,024.00	3.02
tblSolidWaste	SolidWasteGenerationRate	648.00	66.00
tblSolidWaste	SolidWasteGenerationRate	13.68	427.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	16.10	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	14.30
tblVehicleTrips	CW_TTP	64.90	100.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PR_TP	73.00	100.00
tblVehicleTrips	ST_TR	10.18	11.23
tblVehicleTrips	ST_TR	8.96	0.00
tblVehicleTrips	ST_TR	1.90	0.00
tblVehicleTrips	SU_TR	8.91	11.23
tblVehicleTrips	SU_TR	1.55	0.00
tblVehicleTrips	SU_TR	1.11	0.00
tblVehicleTrips	WD_TR	13.22	11.23
tblVehicleTrips	WD_TR	36.13	0.00
tblVehicleTrips	WD_TR	8.11	0.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	35,134,550.52	18,250,000.00

tblWater	IndoorWaterUseRate	7,528,832.25	18,250,000.00
tblWater	IndoorWaterUseRate	88,504,910.50	18,250,000.00
tblWater	OutdoorWaterUseRate	6,692,295.34	2,007,500.00
tblWater	OutdoorWaterUseRate	1,434,063.29	2,007,500.00
tblWater	OutdoorWaterUseRate	0.00	2,007,500.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

2.0 Emissions Summary

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	12.0501	1.1500e-003	0.1257	1.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004		0.2684	0.2684	7.1000e-004		0.2862
Energy	0.6532	5.9381	4.9880	0.0356		0.4513	0.4513		0.4513	0.4513		7,125.7373	7,125.7373	0.1366	0.1306	7,168.0820
Mobile	6.9729	38.2924	105.6493	0.3861	34.4703	0.3259	34.7963	9.1685	0.3037	9.4722		39,204.3456	39,204.3456	1.7984		39,249.3053
Total	**19.6762**	**44.2317**	**110.7631**	**0.4217**	**34.4703**	**0.7777**	**35.2480**	**9.1685**	**0.7554**	**9.9239**		**46,330.3513**	**46,330.3513**	**1.9357**	**0.1306**	**46,417.6735**

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	12.0501	1.1500e-003	0.1257	1.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004		0.2684	0.2684	7.1000e-004		0.2862
Energy	0.6258	5.6892	4.7789	0.0341		0.4324	0.4324		0.4324	0.4324		6,827.0492	6,827.0492	0.1309	0.1252	6,867.6189
Mobile	6.9729	38.2924	105.6493	0.3861	34.4703	0.3259	34.7963	9.1685	0.3037	9.4722		39,204.3456	39,204.3456	1.7984		39,249.3053
Total	**19.6488**	**43.9828**	**110.5540**	**0.4203**	**34.4703**	**0.7588**	**35.2291**	**9.1685**	**0.7365**	**9.9050**		**46,031.6632**	**46,031.6632**	**1.9300**	**0.1252**	**46,117.2104**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.14**	**0.56**	**0.19**	**0.35**	**0.00**	**2.43**	**0.05**	**0.00**	**2.50**	**0.19**	**0.00**	**0.64**	**0.64**	**0.30**	**4.19**	**0.65**

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	6.9729	38.2924	105.6493	0.3861	34.4703	0.3259	34.7963	9.1685	0.3037	9.4722		39,204.3456	39,204.3456	1.7984		39,249.3053
Unmitigated	6.9729	38.2924	105.6493	0.3861	34.4703	0.3259	34.7963	9.1685	0.3037	9.4722		39,204.3456	39,204.3456	1.7984		39,249.3053

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
Hospital	3,144.40	3,144.40	3144.40	16,367,231	16,367,231
Medical Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Research & Development	0.00	0.00	0.00		
Total	3,144.40	3,144.40	3,144.40	16,367,231	16,367,231

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
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Hospital	14.30	0.00	0.00	100.00	0.00	0.00	100	0	0
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Research & Development	16.60	8.40	6.90	33.00	48.00	19.00	82	15	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hospital	0.630489	0.052054	0.233606	0.026012	0.003842	0.001462	0.004698	0.040482	0.000590	0.000540	0.005851	0.000162	0.000212
Medical Office Building	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Research & Development	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Enclosed Parking with Elevator	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Parking Lot	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891

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	0.6258	5.6892	4.7789	0.0341		0.4324	0.4324		0.4324	0.4324		6,827.0492	6,827.0492	0.1309	0.1252	6,867.6189
NaturalGas Unmitigated	0.6532	5.9381	4.9880	0.0356		0.4513	0.4513		0.4513	0.4513		7,125.7373	7,125.7373	0.1366	0.1306	7,168.0820

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hospital	49893.7	0.5381	4.8915	4.1089	0.0294		0.3718	0.3718		0.3718	0.3718		5,869.8469	5,869.8469	0.1125	0.1076	5,904.7285
Medical Office Building	1719.45	0.0185	0.1686	0.1416	1.0100e-003		0.0128	0.0128		0.0128	0.0128		202.2885	202.2885	3.8800e-003	3.7100e-003	203.4906
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	8955.62	0.0966	0.8780	0.7375	5.2700e-003		0.0667	0.0667		0.0667	0.0667		1,053.6019	1,053.6019	0.0202	0.0193	1,059.8630
Total		**0.6532**	**5.9381**	**4.9880**	**0.0356**		**0.4513**	**0.4513**		**0.4513**	**0.4513**		**7,125.7373**	**7,125.7373**	**0.1366**	**0.1306**	**7,168.0820**

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hospital	47.7757	0.5152	4.6839	3.9345	0.0281		0.3560	0.3560		0.3560	0.3560		5,620.6672	5,620.6672	0.1077	0.1031	5,654.0680
Medical Office Building	1.63668	0.0177	0.1605	0.1348	9.6000e-004		0.0122	0.0122		0.0122	0.0122		192.5512	192.5512	3.6900e-003	3.5300e-003	193.6954
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	8.61756	0.0929	0.8449	0.7097	5.0700e-003		0.0642	0.0642		0.0642	0.0642		1,013.8308	1,013.8308	0.0194	0.0186	1,019.8555
Total		**0.6258**	**5.6892**	**4.7789**	**0.0341**		**0.4324**	**0.4324**		**0.4324**	**0.4324**		**6,827.0492**	**6,827.0492**	**0.1309**	**0.1252**	**6,867.6189**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	12.0501	1.1500e-003	0.1257	1.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004		0.2684	0.2684	7.1000e-004		0.2862
Unmitigated	12.0501	1.1500e-003	0.1257	1.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004		0.2684	0.2684	7.1000e-004		0.2862

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	1.3953					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	10.6431					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0117	1.1500e-003	0.1257	1.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004		0.2684	0.2684	7.1000e-004		0.2862
Total	**12.0501**	**1.1500e-003**	**0.1257**	**1.0000e-005**		**4.5000e-004**	**4.5000e-004**		**4.5000e-004**	**4.5000e-004**		**0.2684**	**0.2684**	**7.1000e-004**		**0.2862**

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	1.3953					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	10.6431					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0117	1.1500e-003	0.1257	1.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004		0.2684	0.2684	7.1000e-004		0.2862
Total	**12.0501**	**1.1500e-003**	**0.1257**	**1.0000e-005**		**4.5000e-004**	**4.5000e-004**		**4.5000e-004**	**4.5000e-004**		**0.2684**	**0.2684**	**7.1000e-004**		**0.2862**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Phase 1 Operation-Proposed New

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	280.00	1000sqft	1.86	280,000.00	0
Medical Office Building	60.00	1000sqft	0.78	60,000.00	0
Research & Development	180.00	1000sqft	1.46	180,000.00	0
Enclosed Parking with Elevator	700.00	1000sqft	3.05	700,000.00	0
Parking Lot	6.43	Acre	6.43	279,900.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on information provided.

Construction Phase -

Vehicle Trips - For purposes of this analysis, all trips assigned to hospital land use. Information provided by Fehr & Peers.

Fleet Mix - Based on Caltrans vehicle mix data the segment of Interstate 210 west of Interstate 605.

Water And Wastewater - Based on information provided by KPFF. For purposes of this analysis, water use is proportioned equally among the land uses. Assumes no septic systems or facultive lagoons.

Solid Waste - Based on information presented in Chapter 5.16, Utilities and Service Systems, of the DEIR.

Energy Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblFleetMix	HHD	0.03	0.04
tblFleetMix	LDA	0.55	0.63
tblFleetMix	LDT1	0.05	0.05
tblFleetMix	LDT2	0.20	0.23
tblFleetMix	LHD1	0.02	3.8420e-003
tblFleetMix	LHD2	6.1430e-003	1.4620e-003
tblFleetMix	MCY	5.0780e-003	5.8510e-003
tblFleetMix	MDV	0.12	0.03
tblFleetMix	MH	8.9100e-004	2.1200e-004
tblFleetMix	MHD	0.02	4.6980e-003
tblFleetMix	OBUS	2.4790e-003	5.9000e-004
tblFleetMix	SBUS	6.8200e-004	1.6200e-004
tblFleetMix	UBUS	2.2700e-003	5.4000e-004
tblLandUse	BuildingSpaceSquareFeet	280,090.80	279,900.00
tblLandUse	LandUseSquareFeet	280,090.80	279,900.00
tblLandUse	LotAcreage	6.43	1.86
tblLandUse	LotAcreage	1.38	0.78
tblLandUse	LotAcreage	4.13	1.46
tblLandUse	LotAcreage	16.07	3.05
tblProjectCharacteristics	OperationalYear	2018	2021

tblSolidWaste	SolidWasteGenerationRate	3,024.00	3.02
tblSolidWaste	SolidWasteGenerationRate	648.00	66.00
tblSolidWaste	SolidWasteGenerationRate	13.68	427.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	16.10	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	14.30
tblVehicleTrips	CW_TTP	64.90	100.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PR_TP	73.00	100.00
tblVehicleTrips	ST_TR	10.18	11.23
tblVehicleTrips	ST_TR	8.96	0.00
tblVehicleTrips	ST_TR	1.90	0.00
tblVehicleTrips	SU_TR	8.91	11.23
tblVehicleTrips	SU_TR	1.55	0.00
tblVehicleTrips	SU_TR	1.11	0.00
tblVehicleTrips	WD_TR	13.22	11.23
tblVehicleTrips	WD_TR	36.13	0.00
tblVehicleTrips	WD_TR	8.11	0.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	35,134,550.52	18,250,000.00

tblWater	IndoorWaterUseRate	7,528,832.25	18,250,000.00
tblWater	IndoorWaterUseRate	88,504,910.50	18,250,000.00
tblWater	OutdoorWaterUseRate	6,692,295.34	2,007,500.00
tblWater	OutdoorWaterUseRate	1,434,063.29	2,007,500.00
tblWater	OutdoorWaterUseRate	0.00	2,007,500.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

2.0 Emissions Summary

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	2.1985	1.4000e-004	0.0157	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0304	0.0304	8.0000e-005	0.0000	0.0325
Energy	0.1192	1.0837	0.9103	6.5000e-003		0.0824	0.0824		0.0824	0.0824	0.0000	5,755.0576	5,755.0576	0.2115	0.0607	5,778.4366
Mobile	1.2466	7.1087	19.5800	0.0713	6.1513	0.0591	6.2104	1.6387	0.0550	1.6937	0.0000	6,566.6437	6,566.6437	0.2960	0.0000	6,574.0435
Waste						0.0000	0.0000		0.0000	0.0000	100.6866	0.0000	100.6866	5.9504	0.0000	249.4467
Water						0.0000	0.0000		0.0000	0.0000	19.3706	248.4641	267.8347	0.0769	0.0443	282.9436
Total	**3.5643**	**8.1925**	**20.5060**	**0.0778**	**6.1513**	**0.1415**	**6.2928**	**1.6387**	**0.1375**	**1.7761**	**120.0572**	**12,570.1959**	**12,690.2531**	**6.5349**	**0.1050**	**12,884.9028**

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	2.1985	1.4000e-004	0.0157	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0304	0.0304	8.0000e-005	0.0000	0.0325
Energy	0.1142	1.0383	0.8722	6.2300e-003		0.0789	0.0789		0.0789	0.0789	0.0000	5,603.9471	5,603.9471	0.2064	0.0589	5,626.6685
Mobile	1.2466	7.1087	19.5800	0.0713	6.1513	0.0591	6.2104	1.6387	0.0550	1.6937	0.0000	6,566.6437	6,566.6437	0.2960	0.0000	6,574.0435
Waste						0.0000	0.0000		0.0000	0.0000	100.6866	0.0000	100.6866	5.9504	0.0000	249.4467
Water						0.0000	0.0000		0.0000	0.0000	15.4965	201.7346	217.2311	0.0617	0.0354	229.3288
Total	**3.5593**	**8.1471**	**20.4678**	**0.0775**	**6.1513**	**0.1381**	**6.2894**	**1.6387**	**0.1340**	**1.7727**	**116.1831**	**12,372.3558**	**12,488.5389**	**6.5145**	**0.0944**	**12,679.5200**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.14**	**0.55**	**0.19**	**0.35**	**0.00**	**2.44**	**0.05**	**0.00**	**2.51**	**0.19**	**3.23**	**1.57**	**1.59**	**0.31**	**10.11**	**1.59**

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	1.2466	7.1087	19.5800	0.0713	6.1513	0.0591	6.2104	1.6387	0.0550	1.6937	0.0000	6,566.6437	6,566.6437	0.2960	0.0000	6,574.0435
Unmitigated	1.2466	7.1087	19.5800	0.0713	6.1513	0.0591	6.2104	1.6387	0.0550	1.6937	0.0000	6,566.6437	6,566.6437	0.2960	0.0000	6,574.0435

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
Hospital	3,144.40	3,144.40	3144.40	16,367,231	16,367,231
Medical Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Research & Development	0.00	0.00	0.00		
Total	3,144.40	3,144.40	3,144.40	16,367,231	16,367,231

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Hospital	14.30	0.00	0.00	100.00	0.00	0.00	100	0	0
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Research & Development	16.60	8.40	6.90	33.00	48.00	19.00	82	15	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hospital	0.630489	0.052054	0.233606	0.026012	0.003842	0.001462	0.004698	0.040482	0.000590	0.000540	0.005851	0.000162	0.000212
Medical Office Building	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Research & Development	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Enclosed Parking with Elevator	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Parking Lot	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891

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	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	4,473.6525	4,473.6525	0.1847	0.0382	4,489.6572
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	4,575.3119	4,575.3119	0.1889	0.0391	4,591.6802
NaturalGas Mitigated	0.1142	1.0383	0.8722	6.2300e-003		0.0789	0.0789		0.0789	0.0789	0.0000	1,130.2946	1,130.2946	0.0217	0.0207	1,137.0113
NaturalGas Unmitigated	0.1192	1.0837	0.9103	6.5000e-003		0.0824	0.0824		0.0824	0.0824	0.0000	1,179.7457	1,179.7457	0.0226	0.0216	1,186.7564

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hospital	1.82112e+007	0.0982	0.8927	0.7499	5.3600e-003		0.0679	0.0679		0.0679	0.0679	0.0000	971.8190	971.8190	0.0186	0.0178	977.5940
Medical Office Building	627600	3.3800e-003	0.0308	0.0258	1.8000e-004		2.3400e-003	2.3400e-003		2.3400e-003	2.3400e-003	0.0000	33.4911	33.4911	6.4000e-004	6.1000e-004	33.6902
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	3.2688e+006	0.0176	0.1602	0.1346	9.6000e-004		0.0122	0.0122		0.0122	0.0122	0.0000	174.4356	174.4356	3.3400e-003	3.2000e-003	175.4722
Total		**0.1192**	**1.0837**	**0.9103**	**6.5000e-003**		**0.0824**	**0.0824**		**0.0824**	**0.0824**	**0.0000**	**1,179.7457**	**1,179.7457**	**0.0226**	**0.0216**	**1,186.7564**

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hospital	1.74381e+007	0.0940	0.8548	0.7180	5.1300e-003		0.0650	0.0650		0.0650	0.0650	0.0000	930.5645	930.5645	0.0178	0.0171	936.0944
Medical Office Building	597390	3.2200e-003	0.0293	0.0246	1.8000e-004		2.2300e-003	2.2300e-003		2.2300e-003	2.2300e-003	0.0000	31.8790	31.8790	6.1000e-004	5.8000e-004	32.0685
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	3.14541e+006	0.0170	0.1542	0.1295	9.3000e-004		0.0117	0.0117		0.0117	0.0117	0.0000	167.8511	167.8511	3.2200e-003	3.0800e-003	168.8485
Total		**0.1142**	**1.0383**	**0.8722**	**6.2400e-003**		**0.0789**	**0.0789**		**0.0789**	**0.0789**	**0.0000**	**1,130.2946**	**1,130.2946**	**0.0217**	**0.0207**	**1,137.0113**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	4.718e+006	1,503.2559	0.0621	0.0128	1,508.6338
Hospital	6.5604e+006	2,090.2840	0.0863	0.0179	2,097.7621
Medical Office Building	799200	254.6422	0.0105	2.1800e-003	255.5532
Parking Lot	246312	78.4803	3.2400e-003	6.7000e-004	78.7611
Research & Development	2.0358e+006	648.6495	0.0268	5.5400e-003	650.9701
Total		**4,575.3119**	**0.1889**	**0.0391**	**4,591.6802**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	4.5808e+006	1,459.5410	0.0603	0.0125	1,464.7626
Hospital	6.41424e+006	2,043.7143	0.0844	0.0175	2,051.0257
Medical Office Building	784740	250.0350	0.0103	2.1400e-003	250.9295
Parking Lot	246312	78.4803	3.2400e-003	6.7000e-004	78.7611
Research & Development	2.01456e+006	641.8820	0.0265	5.4800e-003	644.1783
Total		**4,473.6526**	**0.1847**	**0.0382**	**4,489.6572**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.1985	1.4000e-004	0.0157	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0304	0.0304	8.0000e-005	0.0000	0.0325
Unmitigated	2.1985	1.4000e-004	0.0157	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0304	0.0304	8.0000e-005	0.0000	0.0325

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2547					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.9424					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.4700e-003	1.4000e-004	0.0157	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0304	0.0304	8.0000e-005	0.0000	0.0325
Total	**2.1985**	**1.4000e-004**	**0.0157**	**0.0000**		**6.0000e-005**	**6.0000e-005**		**6.0000e-005**	**6.0000e-005**	**0.0000**	**0.0304**	**0.0304**	**8.0000e-005**	**0.0000**	**0.0325**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2547					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.9424					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.4700e-003	1.4000e-004	0.0157	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0304	0.0304	8.0000e-005	0.0000	0.0325
Total	**2.1985**	**1.4000e-004**	**0.0157**	**0.0000**		**6.0000e-005**	**6.0000e-005**		**6.0000e-005**	**6.0000e-005**	**0.0000**	**0.0304**	**0.0304**	**8.0000e-005**	**0.0000**	**0.0325**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	217.2311	0.0617	0.0354	229.3288
Unmitigated	267.8347	0.0769	0.0443	282.9436

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Hospital	18.25 / 2.0075	89.2782	0.0256	0.0148	94.3145
Medical Office Building	18.25 / 2.0075	89.2782	0.0256	0.0148	94.3145
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Research & Development	18.25 / 2.0075	89.2782	0.0256	0.0148	94.3145
Total		**267.8347**	**0.0769**	**0.0443**	**282.9436**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Hospital	14.6 / 1.88504	72.4104	0.0206	0.0118	76.4429
Medical Office Building	14.6 / 1.88504	72.4104	0.0206	0.0118	76.4429
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Research & Development	14.6 / 1.88504	72.4104	0.0206	0.0118	76.4429
Total		**217.2311**	**0.0617**	**0.0354**	**229.3288**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	100.6866	5.9504	0.0000	249.4467
Unmitigated	100.6866	5.9504	0.0000	249.4467

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Hospital	3.015	0.6120	0.0362	0.0000	1.5163
Medical Office Building	66	13.3974	0.7918	0.0000	33.1915
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Research & Development	427	86.6771	5.1225	0.0000	214.7390
Total		**100.6866**	**5.9504**	**0.0000**	**249.4467**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Hospital	3.015	0.6120	0.0362	0.0000	1.5163
Medical Office Building	66	13.3974	0.7918	0.0000	33.1915
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Research & Development	427	86.6771	5.1225	0.0000	214.7390
Total		**100.6866**	**5.9504**	**0.0000**	**249.4467**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Phase 1 Operation-Proposed New

Los Angeles-South Coast, Summary Report

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	280.00	1000sqft	1.86	280,000.00	0
Medical Office Building	60.00	1000sqft	0.78	60,000.00	0
Research & Development	180.00	1000sqft	1.46	180,000.00	0
Enclosed Parking with Elevator	700.00	1000sqft	3.05	700,000.00	0
Parking Lot	6.43	Acre	6.43	279,900.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments

Only CalEEMod defaults were used.

Project Characteristics -

Land Use - Based on information provided.

Construction Phase -

Vehicle Trips - For purposes of this analysis, all trips assigned to hospital land use. Information provided by Fehr & Peers.

Fleet Mix - Based on Caltrans vehicle mix data the segment of Interstate 210 west of Interstate 605.

Water And Wastewater - Based on information provided by KPFF. For purposes of this analysis, water use is proportioned equally among the land uses. Assumes no septic systems or facultive lagoons.

Solid Waste - Based on information presented in Chapter 5.16, Utilities and Service Systems, of the DEIR.

Energy Mitigation -

Water Mitigation -

2.0 Peak Daily Emissions

Peak Daily Operational Emissions

Peak Daily Operational Emissions

		Unmitigated						Mitigated					
		ROG	NOX	CO	SO2	PM10	PM2.5	ROG	NOX	CO	SO2	PM10	PM2.5
	Operational Activity	lb/day											
On-Site	Area	12.0501 S	1.1500e-003 S	0.1257 S	1.0000e-005 S	4.5000e-004 S	4.5000e-004 S	12.0501 S	1.1500e-003 S	0.1257 S	1.0000e-005 S	4.5000e-004 S	4.5000e-004 S
On-Site	Energy	0.6532 S	5.9381 S	4.9880 S	0.0356 S	0.4513 S	0.4513 S	0.6258 S	5.6892 S	4.7789 S	0.0341 S	0.4324 S	0.4324 S
Off-Site	Mobile	7.1742 S	38.2924 W	113.0578 S	0.4068 S	34.7963 W	9.4722 W	7.1742 S	38.2924 W	113.0578 S	0.4068 S	34.7963 W	9.4722 W
	Peak Daily Total	19.8775 S	44.2317 W	118.1715 S	0.4424 S	35.2480 W	9.9239 W	19.8501 S	43.9828 W	117.9624 S	0.4410 S	35.2291 W	9.9050 W
	Air District Threshold												
	Exceed Significance?												

3.0 Annual GHG Emissions

Annual GHG

Annual GHG

		Unmitigated				Mitigated			
		CO2	CH4	N2O	CO2e	CO2	CH4	N2O	CO2e
GHG Activity	Year	MT/yr							
Operational	2021	12,690.2531	6.5349	0.1050	12,884.9017	12,488.5389	6.5145	0.0944	12,679.5199
	Total								
	Significance Threshold								
	Exceed Significance?								

Phase 1 Operation-Proposed New

Los Angeles-South Coast County, Mitigation Report

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.22	2.22	2.22	2.20	2.22
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas	4.19	4.19	4.19	4.00	4.19	4.19	0.00	4.19	4.19	4.16	4.21	4.19
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	20.00	18.81	18.89	19.84	19.95	18.95
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting:

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value 3
No	Land Use	Increase Density	0.00			
No	Land Use	Increase Diversity	0.11	0.33		
No	Land Use	Improve Walkability Design	0.00			
No	Land Use	Improve Destination Accessibility	0.00			
No	Land Use	Increase Transit Accessibility	0.25			

No	Land Use	Integrate Below Market Rate Housing	0.00			
	Land Use	Land Use SubTotal	0.00			
No	Neighborhood Enhancements	Improve Pedestrian Network				
No	Neighborhood Enhancements	Provide Traffic Calming Measures				
No	Neighborhood Enhancements	Implement NEV Network	0.00			
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00			
No	Parking Policy Pricing	Limit Parking Supply	0.00			
No	Parking Policy Pricing	Unbundle Parking Costs	0.00			
No	Parking Policy Pricing	On-street Market Pricing	0.00			
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00			
No	Transit Improvements	Provide BRT System	0.00			
No	Transit Improvements	Expand Transit Network	0.00			
No	Transit Improvements	Increase Transit Frequency	0.00			
	Transit Improvements	Transit Improvements Subtotal	0.00			
		Land Use and Site Enhancement Subtotal	0.00			
No	Commute	Implement Trip Reduction Program				
No	Commute	Transit Subsidy				
No	Commute	Implement Employee Parking "Cash Out"				
No	Commute	Workplace Parking Charge				
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00			
No	Commute	Market Commute Trip Reduction Option	0.00			
No	Commute	Employee Vanpool/Shuttle	0.00		2.00	
No	Commute	Provide Ride Sharing Program				
	Commute	Commute Subtotal	0.00			
No	School Trip	Implement School Bus Program	0.00			
		Total VMT Reduction	0.00			

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
No	No Hearth	
No	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	50.00
No	Use Low VOC Paint (Residential Exterior)	50.00
No	Use Low VOC Paint (Non-residential Interior)	100.00
No	Use Low VOC Paint (Non-residential Exterior)	100.00
No	Use Low VOC Paint (Parking)	100.00
No	% Electric Lawnmower	
No	% Electric Leafblower	
No	% Electric Chainsaw	

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
Yes	Exceed Title 24	5.00	
No	Install High Efficiency Lighting		
No	On-site Renewable		

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Apply Water Conservation on Strategy	0.00	0.00
No	Use Reclaimed Water	0.00	0.00
No	Use Grey Water	0.00	
Yes	Install low-flow bathroom faucet	32.00	
Yes	Install low-flow Kitchen faucet	18.00	
Yes	Install low-flow Toilet	20.00	
Yes	Install low-flow Shower	20.00	
No	Turf Reduction	0.00	
Yes	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape	0.00	0.00

Solid Waste Mitigation

Mitigation Measures	Input Value
Institute Recycling and Composting Services	
Percent Reduction in Waste Disposed	

CalEEMod Output: Operation – Proposed (Phase 2)

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Phase 2_Proposed New

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	490.00	1000sqft	18.87	490,000.00	0
Medical Office Building	60.00	1000sqft	0.78	60,000.00	0
Research & Development	241.00	1000sqft	2.17	241,000.00	0
Enclosed Parking with Elevator	1,200.00	1000sqft	6.76	1,200,000.00	0
General Light Industry	20.00	1000sqft	0.93	20,000.00	0
Parking Lot	10.39	Acre	10.39	452,800.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on phasing information provided.

Vehicle Trips - Trip generation rate and trip distance based on information provided by Fehr & Peers. For purposes of this analysis, all trips assigned to the Hospital land use.

Fleet Mix - Based on Caltrans vehicle mix data for the segment of Interstate 210 west of Interstate 605.

Woodstoves -

Area Coating -

Water And Wastewater - Based on information provided by KPFF. Assumes no septic tanks of facultive lagoons. Assumes proportion indoor/outdoor water use for land uses for purposes of this analysis.

Solid Waste - Based on information provided in Chapter 5.16, Utilities and Service Systems, of the DEIR.

Energy Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblFleetMix	HHD	0.03	0.04
tblFleetMix	LDA	0.54	0.63
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT2	0.21	0.24
tblFleetMix	LHD1	0.01	3.5370e-003
tblFleetMix	LHD2	6.2720e-003	1.5100e-003
tblFleetMix	MCY	5.2390e-003	6.0210e-003
tblFleetMix	MDV	0.12	0.03
tblFleetMix	MH	8.4100e-004	2.0200e-004
tblFleetMix	MHD	0.02	4.9910e-003
tblFleetMix	OBUS	2.5720e-003	6.1900e-004
tblFleetMix	SBUS	7.0000e-004	1.6900e-004
tblFleetMix	UBUS	1.9840e-003	4.7800e-004
tblLandUse	BuildingSpaceSquareFeet	452,588.40	452,800.00
tblLandUse	LandUseSquareFeet	452,588.40	452,800.00
tblLandUse	LotAcreage	11.25	18.87
tblLandUse	LotAcreage	1.38	0.78

tblLandUse	LotAcreage	5.53	2.17
tblLandUse	LotAcreage	27.55	6.76
tblLandUse	LotAcreage	0.46	0.93
tblProjectCharacteristics	OperationalYear	2018	2025
tblSolidWaste	SolidWasteGenerationRate	24.80	48.00
tblSolidWaste	SolidWasteGenerationRate	5,292.00	5,276.00
tblSolidWaste	SolidWasteGenerationRate	648.00	66.00
tblSolidWaste	SolidWasteGenerationRate	18.31	572.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	16.10	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	14.30
tblVehicleTrips	CW_TTP	64.90	100.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PR_TP	73.00	100.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	10.18	10.56
tblVehicleTrips	ST_TR	8.96	0.00
tblVehicleTrips	ST_TR	1.90	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	8.91	10.56
tblVehicleTrips	SU_TR	1.55	0.00
tblVehicleTrips	SU_TR	1.11	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	13.22	10.56
tblVehicleTrips	WD_TR	36.13	0.00

tblVehicleTrips	WD_TR	8.11	0.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	4,625,000.00	21,151,750.00
tblWater	IndoorWaterUseRate	61,485,463.40	21,151,750.00
tblWater	IndoorWaterUseRate	7,528,832.25	21,151,750.00
tblWater	IndoorWaterUseRate	118,498,241.28	21,151,750.00
tblWater	OutdoorWaterUseRate	0.00	2,327,149.00
tblWater	OutdoorWaterUseRate	11,711,516.84	2,327,149.00
tblWater	OutdoorWaterUseRate	1,434,063.29	2,327,149.00
tblWater	OutdoorWaterUseRate	0.00	2,327,149.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	18.8478	1.8700e-003	0.2059	2.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004		0.4424	0.4424	1.1500e-003		0.4712
Energy	1.1002	10.0019	8.4016	0.0600		0.7601	0.7601		0.7601	0.7601		12,002.2434	12,002.2434	0.2300	0.2200	12,073.5667
Mobile	9.2272	39.6125	145.3899	0.5871	56.7189	0.4203	57.1392	15.0854	0.3892	15.4745		59,751.5230	59,751.5230	2.4365		59,812.4358
Total	**29.1752**	**49.6163**	**153.9973**	**0.6472**	**56.7189**	**1.1811**	**57.9000**	**15.0854**	**1.1500**	**16.2354**		**71,754.2087**	**71,754.2087**	**2.6677**	**0.2200**	**71,886.4736**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	18.8478	1.8700e-003	0.2059	2.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004		0.4424	0.4424	1.1500e-003		0.4712
Energy	1.0541	9.5823	8.0491	0.0575		0.7283	0.7283		0.7283	0.7283		11,498.7734	11,498.7734	0.2204	0.2108	11,567.1049
Mobile	9.2272	39.6125	145.3899	0.5871	56.7189	0.4203	57.1392	15.0854	0.3892	15.4745		59,751.5230	59,751.5230	2.4365		59,812.4358
Total	**29.1290**	**49.1967**	**153.6449**	**0.6446**	**56.7189**	**1.1492**	**57.8682**	**15.0854**	**1.1181**	**16.2035**		**71,250.7388**	**71,250.7388**	**2.6581**	**0.2108**	**71,380.0118**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.16**	**0.85**	**0.23**	**0.39**	**0.00**	**2.70**	**0.06**	**0.00**	**2.77**	**0.20**	**0.00**	**0.70**	**0.70**	**0.36**	**4.19**	**0.70**

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	9.2272	39.6125	145.3899	0.5871	56.7189	0.4203	57.1392	15.0854	0.3892	15.4745		59,751.5230	59,751.5230	2.4365		59,812.4358
Unmitigated	9.2272	39.6125	145.3899	0.5871	56.7189	0.4203	57.1392	15.0854	0.3892	15.4745		59,751.5230	59,751.5230	2.4365		59,812.4358

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Light Industry	0.00	0.00	0.00		
Hospital	5,174.40	5,174.40	5174.40	26,933,787	26,933,787
Medical Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Research & Development	0.00	0.00	0.00		
Total	5,174.40	5,174.40	5,174.40	26,933,787	26,933,787

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
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Hospital	14.30	0.00	0.00	100.00	0.00	0.00	100	0	0
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Research & Development	16.60	8.40	6.90	33.00	48.00	19.00	82	15	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hospital	0.626163	0.051128	0.238688	0.026012	0.003537	0.001510	0.004991	0.040482	0.000619	0.000478	0.006021	0.000169	0.000202
Medical Office Building	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Research & Development	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Enclosed Parking with Elevator	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
General Light Industry	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Parking Lot	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841

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	1.0541	9.5823	8.0491	0.0575		0.7283	0.7283		0.7283	0.7283		11,498.7734	11,498.7734	0.2204	0.2108	11,567.1049
NaturalGas Unmitigated	1.1002	10.0019	8.4016	0.0600		0.7601	0.7601		0.7601	0.7601		12,002.2434	12,002.2434	0.2300	0.2200	12,073.5667

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	995.068	0.0107	0.0976	0.0820	5.9000e-004		7.4100e-003	7.4100e-003		7.4100e-003	7.4100e-003		117.0669	117.0669	2.2400e-003	2.1500e-003	117.7626
Hospital	87314	0.9416	8.5602	7.1906	0.0514		0.6506	0.6506		0.6506	0.6506		10,272.2321	10,272.2321	0.1969	0.1883	10,333.2748
Medical Office Building	1719.45	0.0185	0.1686	0.1416	1.0100e-003		0.0128	0.0128		0.0128	0.0128		202.2885	202.2885	3.8800e-003	3.7100e-003	203.4906
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	11990.6	0.1293	1.1756	0.9875	7.0500e-003		0.0893	0.0893		0.0893	0.0893		1,410.6559	1,410.6559	0.0270	0.0259	1,419.0388
Total		**1.1002**	**10.0019**	**8.4016**	**0.0600**		**0.7601**	**0.7601**		**0.7601**	**0.7601**		**12,002.2434**	**12,002.2434**	**0.2300**	**0.2200**	**12,073.5667**

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	0.957507	0.0103	0.0939	0.0789	5.6000e-004		7.1300e-003	7.1300e-003		7.1300e-003	7.1300e-003		112.6479	112.6479	2.1600e-003	2.0700e-003	113.3173
Hospital	83.6074	0.9017	8.1968	6.8853	0.0492		0.6230	0.6230		0.6230	0.6230		9,836.1676	9,836.1676	0.1885	0.1803	9,894.6190
Medical Office Building	1.63668	0.0177	0.1605	0.1348	9.6000e-004		0.0122	0.0122		0.0122	0.0122		192.5512	192.5512	3.6900e-003	3.5300e-003	193.6954
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	11.538	0.1244	1.1312	0.9502	6.7900e-003		0.0860	0.0860		0.0860	0.0860		1,357.4068	1,357.4068	0.0260	0.0249	1,365.4732
Total		**1.0541**	**9.5823**	**8.0491**	**0.0575**		**0.7283**	**0.7283**		**0.7283**	**0.7283**		**11,498.7734**	**11,498.7734**	**0.2204**	**0.2108**	**11,567.1049**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	18.8478	1.8700e-003	0.2059	2.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004		0.4424	0.4424	1.1500e-003		0.4712
Unmitigated	18.8478	1.8700e-003	0.2059	2.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004		0.4424	0.4424	1.1500e-003		0.4712

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	2.1857					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	16.6432					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0190	1.8700e-003	0.2059	2.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004		0.4424	0.4424	1.1500e-003		0.4712
Total	**18.8478**	**1.8700e-003**	**0.2059**	**2.0000e-005**		**7.3000e-004**	**7.3000e-004**		**7.3000e-004**	**7.3000e-004**		**0.4424**	**0.4424**	**1.1500e-003**		**0.4712**

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	2.1857					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	16.6432					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0190	1.8700e-003	0.2059	2.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004		0.4424	0.4424	1.1500e-003		0.4712
Total	**18.8478**	**1.8700e-003**	**0.2059**	**2.0000e-005**		**7.3000e-004**	**7.3000e-004**		**7.3000e-004**	**7.3000e-004**		**0.4424**	**0.4424**	**1.1500e-003**		**0.4712**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Phase 2_Proposed New

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	490.00	1000sqft	18.87	490,000.00	0
Medical Office Building	60.00	1000sqft	0.78	60,000.00	0
Research & Development	241.00	1000sqft	2.17	241,000.00	0
Enclosed Parking with Elevator	1,200.00	1000sqft	6.76	1,200,000.00	0
General Light Industry	20.00	1000sqft	0.93	20,000.00	0
Parking Lot	10.39	Acre	10.39	452,800.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on phasing information provided.

Vehicle Trips - Trip generation rate and trip distance based on information provided by Fehr & Peers. For purposes of this analysis, all trips assigned to the Hospital land use.

Fleet Mix - Based on Caltrans vehicle mix data for the segment of Interstate 210 west of Interstate 605.

Woodstoves -

Area Coating -

Water And Wastewater - Based on information provided by KPFF. Assumes no septic tanks of facultive lagoons. Assumes proportion indoor/outdoor water use for land uses for purposes of this analysis.

Solid Waste - Based on information provided in Chapter 5.16, Utilities and Service Systems, of the DEIR.

Energy Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblFleetMix	HHD	0.03	0.04
tblFleetMix	LDA	0.54	0.63
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT2	0.21	0.24
tblFleetMix	LHD1	0.01	3.5370e-003
tblFleetMix	LHD2	6.2720e-003	1.5100e-003
tblFleetMix	MCY	5.2390e-003	6.0210e-003
tblFleetMix	MDV	0.12	0.03
tblFleetMix	MH	8.4100e-004	2.0200e-004
tblFleetMix	MHD	0.02	4.9910e-003
tblFleetMix	OBUS	2.5720e-003	6.1900e-004
tblFleetMix	SBUS	7.0000e-004	1.6900e-004
tblFleetMix	UBUS	1.9840e-003	4.7800e-004
tblLandUse	BuildingSpaceSquareFeet	452,588.40	452,800.00
tblLandUse	LandUseSquareFeet	452,588.40	452,800.00
tblLandUse	LotAcreage	11.25	18.87
tblLandUse	LotAcreage	1.38	0.78

tblLandUse	LotAcreage	5.53	2.17
tblLandUse	LotAcreage	27.55	6.76
tblLandUse	LotAcreage	0.46	0.93
tblProjectCharacteristics	OperationalYear	2018	2025
tblSolidWaste	SolidWasteGenerationRate	24.80	48.00
tblSolidWaste	SolidWasteGenerationRate	5,292.00	5,276.00
tblSolidWaste	SolidWasteGenerationRate	648.00	66.00
tblSolidWaste	SolidWasteGenerationRate	18.31	572.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	16.10	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	14.30
tblVehicleTrips	CW_TTP	64.90	100.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PR_TP	73.00	100.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	10.18	10.56
tblVehicleTrips	ST_TR	8.96	0.00
tblVehicleTrips	ST_TR	1.90	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	8.91	10.56
tblVehicleTrips	SU_TR	1.55	0.00
tblVehicleTrips	SU_TR	1.11	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	13.22	10.56
tblVehicleTrips	WD_TR	36.13	0.00

tblVehicleTrips	WD_TR	8.11	0.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	4,625,000.00	21,151,750.00
tblWater	IndoorWaterUseRate	61,485,463.40	21,151,750.00
tblWater	IndoorWaterUseRate	7,528,832.25	21,151,750.00
tblWater	IndoorWaterUseRate	118,498,241.28	21,151,750.00
tblWater	OutdoorWaterUseRate	0.00	2,327,149.00
tblWater	OutdoorWaterUseRate	11,711,516.84	2,327,149.00
tblWater	OutdoorWaterUseRate	1,434,063.29	2,327,149.00
tblWater	OutdoorWaterUseRate	0.00	2,327,149.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	18.8478	1.8700e-003	0.2059	2.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004		0.4424	0.4424	1.1500e-003		0.4712
Energy	1.1002	10.0019	8.4016	0.0600		0.7601	0.7601		0.7601	0.7601		12,002.2434	12,002.2434	0.2300	0.2200	12,073.5667
Mobile	8.9608	40.6294	135.7246	0.5577	56.7189	0.4216	57.1406	15.0854	0.3905	15.4759		56,797.2356	56,797.2356	2.4225		56,857.7977
Total	**28.9088**	**50.6331**	**144.3320**	**0.6178**	**56.7189**	**1.1825**	**57.9014**	**15.0854**	**1.1514**	**16.2367**		**68,799.9214**	**68,799.9214**	**2.6537**	**0.2200**	**68,931.8355**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	18.8478	1.8700e-003	0.2059	2.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004		0.4424	0.4424	1.1500e-003		0.4712
Energy	1.0541	9.5823	8.0491	0.0575		0.7283	0.7283		0.7283	0.7283		11,498.7734	11,498.7734	0.2204	0.2108	11,567.1049
Mobile	8.9608	40.6294	135.7246	0.5577	56.7189	0.4216	57.1406	15.0854	0.3905	15.4759		56,797.2356	56,797.2356	2.4225		56,857.7977
Total	**28.8627**	**50.2135**	**143.9796**	**0.6153**	**56.7189**	**1.1506**	**57.8696**	**15.0854**	**1.1195**	**16.2049**		**68,296.4514**	**68,296.4514**	**2.6440**	**0.2108**	**68,425.3737**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.16**	**0.83**	**0.24**	**0.41**	**0.00**	**2.70**	**0.06**	**0.00**	**2.77**	**0.20**	**0.00**	**0.73**	**0.73**	**0.36**	**4.19**	**0.73**

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	8.9608	40.6294	135.7246	0.5577	56.7189	0.4216	57.1406	15.0854	0.3905	15.4759		56,797.2356	56,797.2356	2.4225		56,857.7977
Unmitigated	8.9608	40.6294	135.7246	0.5577	56.7189	0.4216	57.1406	15.0854	0.3905	15.4759		56,797.2356	56,797.2356	2.4225		56,857.7977

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Light Industry	0.00	0.00	0.00		
Hospital	5,174.40	5,174.40	5174.40	26,933,787	26,933,787
Medical Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Research & Development	0.00	0.00	0.00		
Total	5,174.40	5,174.40	5,174.40	26,933,787	26,933,787

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
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3

Hospital	14.30	0.00	0.00	100.00	0.00	0.00	100	0	0
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Research & Development	16.60	8.40	6.90	33.00	48.00	19.00	82	15	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hospital	0.626163	0.051128	0.238688	0.026012	0.003537	0.001510	0.004991	0.040482	0.000619	0.000478	0.006021	0.000169	0.000202
Medical Office Building	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Research & Development	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Enclosed Parking with Elevator	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
General Light Industry	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Parking Lot	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841

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	1.0541	9.5823	8.0491	0.0575		0.7283	0.7283		0.7283	0.7283		11,498.7734	11,498.7734	0.2204	0.2108	11,567.1049

NaturalGas Unmitigated	1.1002	10.0019	8.4016	0.0600		0.7601	0.7601		0.7601	0.7601		12,002.2434	12,002.2434	0.2300	0.2200	12,073.5667

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	995.068	0.0107	0.0976	0.0820	5.9000e-004		7.4100e-003	7.4100e-003		7.4100e-003	7.4100e-003		117.0669	117.0669	2.2400e-003	2.1500e-003	117.7626
Hospital	87314	0.9416	8.5602	7.1906	0.0514		0.6506	0.6506		0.6506	0.6506		10,272.2321	10,272.2321	0.1969	0.1883	10,333.2748
Medical Office Building	1719.45	0.0185	0.1686	0.1416	1.0100e-003		0.0128	0.0128		0.0128	0.0128		202.2885	202.2885	3.8800e-003	3.7100e-003	203.4906
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	11990.6	0.1293	1.1756	0.9875	7.0500e-003		0.0893	0.0893		0.0893	0.0893		1,410.6559	1,410.6559	0.0270	0.0259	1,419.0388
Total		**1.1002**	**10.0019**	**8.4016**	**0.0600**		**0.7601**	**0.7601**		**0.7601**	**0.7601**		**12,002.2434**	**12,002.2434**	**0.2300**	**0.2200**	**12,073.5667**

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					

Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	0.957507	0.0103	0.0939	0.0789	5.6000e-004		7.1300e-003	7.1300e-003		7.1300e-003	7.1300e-003		112.6479	112.6479	2.1600e-003	2.0700e-003	113.3173
Hospital	83.6074	0.9017	8.1968	6.8853	0.0492		0.6230	0.6230		0.6230	0.6230		9,836.1676	9,836.1676	0.1885	0.1803	9,894.6190
Medical Office Building	1.63668	0.0177	0.1605	0.1348	9.6000e-004		0.0122	0.0122		0.0122	0.0122		192.5512	192.5512	3.6900e-003	3.5300e-003	193.6954
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	11.538	0.1244	1.1312	0.9502	6.7900e-003		0.0860	0.0860		0.0860	0.0860		1,357.4068	1,357.4068	0.0260	0.0249	1,365.4732
Total		**1.0541**	**9.5823**	**8.0491**	**0.0575**		**0.7283**	**0.7283**		**0.7283**	**0.7283**		**11,498.7734**	**11,498.7734**	**0.2204**	**0.2108**	**11,567.1049**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	18.8478	1.8700e-003	0.2059	2.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004		0.4424	0.4424	1.1500e-003		0.4712
Unmitigated	18.8478	1.8700e-003	0.2059	2.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004		0.4424	0.4424	1.1500e-003		0.4712

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	2.1857					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	16.6432					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0190	1.8700e-003	0.2059	2.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004		0.4424	0.4424	1.1500e-003		0.4712
Total	**18.8478**	**1.8700e-003**	**0.2059**	**2.0000e-005**		**7.3000e-004**	**7.3000e-004**		**7.3000e-004**	**7.3000e-004**		**0.4424**	**0.4424**	**1.1500e-003**		**0.4712**

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	2.1857					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	16.6432					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0190	1.8700e-003	0.2059	2.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004		0.4424	0.4424	1.1500e-003		0.4712
Total	**18.8478**	**1.8700e-003**	**0.2059**	**2.0000e-005**		**7.3000e-004**	**7.3000e-004**		**7.3000e-004**	**7.3000e-004**		**0.4424**	**0.4424**	**1.1500e-003**		**0.4712**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Phase 2_Proposed New

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	490.00	1000sqft	18.87	490,000.00	0
Medical Office Building	60.00	1000sqft	0.78	60,000.00	0
Research & Development	241.00	1000sqft	2.17	241,000.00	0
Enclosed Parking with Elevator	1,200.00	1000sqft	6.76	1,200,000.00	0
General Light Industry	20.00	1000sqft	0.93	20,000.00	0
Parking Lot	10.39	Acre	10.39	452,800.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on phasing information provided.

Vehicle Trips - Trip generation rate and trip distance based on information provided by Fehr & Peers. For purposes of this analysis, all trips assigned to the Hospital land use

Fleet Mix - Based on Caltrans vehicle mix data for the segment of Interstate 210 west of Interstate 605.

Woodstoves -

Area Coating -

Water And Wastewater - Based on information provided by KPFF. Assumes no septic tanks of facultive lagoons. Assumes proportion indoor/outdoor water use for land uses for purposes of this analysis.

Solid Waste - Based on information provided in Chapter 5.16, Utilities and Service Systems, of the DEIR.

Energy Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblFleetMix	HHD	0.03	0.04
tblFleetMix	LDA	0.54	0.63
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT2	0.21	0.24
tblFleetMix	LHD1	0.01	3.5370e-003
tblFleetMix	LHD2	6.2720e-003	1.5100e-003
tblFleetMix	MCY	5.2390e-003	6.0210e-003
tblFleetMix	MDV	0.12	0.03
tblFleetMix	MH	8.4100e-004	2.0200e-004
tblFleetMix	MHD	0.02	4.9910e-003
tblFleetMix	OBUS	2.5720e-003	6.1900e-004
tblFleetMix	SBUS	7.0000e-004	1.6900e-004
tblFleetMix	UBUS	1.9840e-003	4.7800e-004
tblLandUse	BuildingSpaceSquareFeet	452,588.40	452,800.00
tblLandUse	LandUseSquareFeet	452,588.40	452,800.00
tblLandUse	LotAcreage	11.25	18.87
tblLandUse	LotAcreage	1.38	0.78
tblLandUse	LotAcreage	5.53	2.17
tblLandUse	LotAcreage	27.55	6.76

tblLandUse	LotAcreage	0.46	0.93
tblProjectCharacteristics	OperationalYear	2018	2025
tblSolidWaste	SolidWasteGenerationRate	24.80	48.00
tblSolidWaste	SolidWasteGenerationRate	5,292.00	5,276.00
tblSolidWaste	SolidWasteGenerationRate	648.00	66.00
tblSolidWaste	SolidWasteGenerationRate	18.31	572.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	16.10	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	14.30
tblVehicleTrips	CW_TTP	64.90	100.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PR_TP	73.00	100.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	10.18	10.56
tblVehicleTrips	ST_TR	8.96	0.00
tblVehicleTrips	ST_TR	1.90	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	8.91	10.56
tblVehicleTrips	SU_TR	1.55	0.00
tblVehicleTrips	SU_TR	1.11	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	13.22	10.56
tblVehicleTrips	WD_TR	36.13	0.00
tblVehicleTrips	WD_TR	8.11	0.00
tblWater	AerobicPercent	87.46	100.00

tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	4,625,000.00	21,151,750.00
tblWater	IndoorWaterUseRate	61,485,463.40	21,151,750.00
tblWater	IndoorWaterUseRate	7,528,832.25	21,151,750.00
tblWater	IndoorWaterUseRate	118,498,241.28	21,151,750.00
tblWater	OutdoorWaterUseRate	0.00	2,327,149.00
tblWater	OutdoorWaterUseRate	11,711,516.84	2,327,149.00
tblWater	OutdoorWaterUseRate	1,434,063.29	2,327,149.00
tblWater	OutdoorWaterUseRate	0.00	2,327,149.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

2.0 Emissions Summary

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	3.4386	2.3000e-004	0.0257	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	0.0502	0.0502	1.3000e-004	0.0000	0.0534
Energy	0.2008	1.8253	1.5333	0.0110		0.1387	0.1387		0.1387	0.1387	0.0000	9,544.2562	9,544.2562	0.3501	0.1010	9,583.1006
Mobile	1.6025	7.5339	25.1629	0.1030	10.1216	0.0765	10.1981	2.6962	0.0708	2.7670	0.0000	9,511.9027	9,511.9027	0.3988	0.0000	9,521.8720
Waste						0.0000	0.0000		0.0000	0.0000	1,210.2321	0.0000	1,210.2321	71.5227	0.0000	2,998.2989
Water						0.0000	0.0000		0.0000	0.0000	29.9341	383.9663	413.9004	0.1189	0.0684	437.2487
Total	**5.2419**	**9.3595**	**26.7219**	**0.1139**	**10.1216**	**0.2153**	**10.3369**	**2.6962**	**0.2097**	**2.9058**	**1,240.1662**	**19,440.1754**	**20,680.3416**	**72.3905**	**0.1694**	**22,540.5734**

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	3.4386	2.3000e-004	0.0257	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	0.0502	0.0502	1.3000e-004	0.0000	0.0534
Energy	0.1924	1.7488	1.4690	0.0105		0.1329	0.1329		0.1329	0.1329	0.0000	9,290.0442	9,290.0442	0.3414	0.0980	9,327.7820
Mobile	1.6025	7.5339	25.1629	0.1030	10.1216	0.0765	10.1981	2.6962	0.0708	2.7670	0.0000	9,511.9027	9,511.9027	0.3988	0.0000	9,521.8720
Waste						0.0000	0.0000		0.0000	0.0000	1,210.2321	0.0000	1,210.2321	71.5227	0.0000	2,998.2989
Water						0.0000	0.0000		0.0000	0.0000	23.9473	311.7533	335.7006	0.0953	0.0547	354.3956
Total	**5.2335**	**9.2829**	**26.6576**	**0.1135**	**10.1216**	**0.2095**	**10.3311**	**2.6962**	**0.2038**	**2.9000**	**1,234.1794**	**19,113.7504**	**20,347.9298**	**72.3583**	**0.1527**	**22,202.4017**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.16**	**0.82**	**0.24**	**0.40**	**0.00**	**2.70**	**0.06**	**0.00**	**2.78**	**0.20**	**0.48**	**1.68**	**1.61**	**0.04**	**9.82**	**1.50**

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	1.6025	7.5339	25.1629	0.1030	10.1216	0.0765	10.1981	2.6962	0.0708	2.7670	0.0000	9,511.9027	9,511.9027	0.3988	0.0000	9,521.8720
Unmitigated	1.6025	7.5339	25.1629	0.1030	10.1216	0.0765	10.1981	2.6962	0.0708	2.7670	0.0000	9,511.9027	9,511.9027	0.3988	0.0000	9,521.8720

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Light Industry	0.00	0.00	0.00		
Hospital	5,174.40	5,174.40	5174.40	26,933,787	26,933,787
Medical Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Research & Development	0.00	0.00	0.00		
Total	5,174.40	5,174.40	5,174.40	26,933,787	26,933,787

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

Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Hospital	14.30	0.00	0.00	100.00	0.00	0.00	100	0	0
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Research & Development	16.60	8.40	6.90	33.00	48.00	19.00	82	15	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hospital	0.626163	0.051128	0.238688	0.026012	0.003537	0.001510	0.004991	0.040482	0.000619	0.000478	0.006021	0.000169	0.000202
Medical Office Building	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Research & Development	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Enclosed Parking with Elevator	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
General Light Industry	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Parking Lot	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841

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	tons/yr										MT/yr					

Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	7,386.2933	7,386.2933	0.3049	0.0631	7,412.7180
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	7,557.1503	7,557.1503	0.3120	0.0646	7,584.1862
NaturalGas Mitigated	0.1924	1.7488	1.4690	0.0105		0.1329	0.1329		0.1329	0.1329	0.0000	1,903.7509	1,903.7509	0.0365	0.0349	1,915.0639
NaturalGas Unmitigated	0.2008	1.8253	1.5333	0.0110		0.1387	0.1387		0.1387	0.1387	0.0000	1,987.1060	1,987.1060	0.0381	0.0364	1,998.9144

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	363200	1.9600e-003	0.0178	0.0150	1.1000e-004		1.3500e-003	1.3500e-003		1.3500e-003	1.3500e-003	0.0000	19.3817	19.3817	3.7000e-004	3.6000e-004	19.4969
Hospital	3.18696e+007	0.1719	1.5622	1.3123	9.3700e-003		0.1187	0.1187		0.1187	0.1187	0.0000	1,700.6832	1,700.6832	0.0326	0.0312	1,710.7895
Medical Office Building	627600	3.3800e-003	0.0308	0.0258	1.8000e-004		2.3400e-003	2.3400e-003		2.3400e-003	2.3400e-003	0.0000	33.4911	33.4911	6.4000e-004	6.1000e-004	33.6902
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	4.37656e+006	0.0236	0.2145	0.1802	1.2900e-003		0.0163	0.0163		0.0163	0.0163	0.0000	233.5499	233.5499	4.4800e-003	4.2800e-003	234.9378
Total		**0.2008**	**1.8253**	**1.5333**	**0.0110**		**0.1387**	**0.1387**		**0.1387**	**0.1387**	**0.0000**	**1,987.1060**	**1,987.1060**	**0.0381**	**0.0364**	**1,998.9144**

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	349490	1.8800e-003	0.0171	0.0144	1.0000e-004		1.3000e-003	1.3000e-003		1.3000e-003	1.3000e-003	0.0000	18.6501	18.6501	3.6000e-004	3.4000e-004	18.7610
Hospital	3.05167e+007	0.1646	1.4959	1.2566	8.9800e-003		0.1137	0.1137		0.1137	0.1137	0.0000	1,628.4879	1,628.4879	0.0312	0.0299	1,638.1652
Medical Office Building	597390	3.2200e-003	0.0293	0.0246	1.8000e-004		2.2300e-003	2.2300e-003		2.2300e-003	2.2300e-003	0.0000	31.8790	31.8790	6.1000e-004	5.8000e-004	32.0685
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	4.21135e+006	0.0227	0.2064	0.1734	1.2400e-003		0.0157	0.0157		0.0157	0.0157	0.0000	224.7339	224.7339	4.3100e-003	4.1200e-003	226.0694
Total		**0.1924**	**1.7488**	**1.4690**	**0.0105**		**0.1329**	**0.1329**		**0.1329**	**0.1329**	**0.0000**	**1,903.7509**	**1,903.7509**	**0.0365**	**0.0349**	**1,915.0640**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	8.088e+006	2,577.0101	0.1064	0.0220	2,586.2294
General Light Industry	226200	72.0722	2.9800e-003	6.2000e-004	72.3300
Hospital	1.14807e+007	3,657.9970	0.1510	0.0313	3,671.0836
Medical Office Building	799200	254.6422	0.0105	2.1800e-003	255.5532
Parking Lot	398464	126.9592	5.2400e-003	1.0800e-003	127.4134
Research & Development	2.72571e+006	868.4696	0.0359	7.4200e-003	871.5766
Total		**7,557.1503**	**0.3120**	**0.0646**	**7,584.1862**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	7.8528e+006	2,502.0703	0.1033	0.0214	2,511.0216
General Light Industry	223840	71.3202	2.9400e-003	6.1000e-004	71.5754
Hospital	1.12249e+007	3,576.5000	0.1477	0.0306	3,589.2950
Medical Office Building	784740	250.0350	0.0103	2.1400e-003	250.9295
Parking Lot	398464	126.9592	5.2400e-003	1.0800e-003	127.4134
Research & Development	2.69727e+006	859.4087	0.0355	7.3400e-003	862.4832
Total		**7,386.2933**	**0.3049**	**0.0631**	**7,412.7180**

6.0 Area Detail

6.1 Mitigation Measures Area

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

Mitigated	3.4386	2.3000e-004	0.0257	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	0.0502	0.0502	1.3000e-004	0.0000	0.0534
Unmitigated	3.4386	2.3000e-004	0.0257	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	0.0502	0.0502	1.3000e-004	0.0000	0.0534

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.3989					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.0374					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.3700e-003	2.3000e-004	0.0257	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	0.0502	0.0502	1.3000e-004	0.0000	0.0534
Total	**3.4386**	**2.3000e-004**	**0.0257**	**0.0000**		**9.0000e-005**	**9.0000e-005**		**9.0000e-005**	**9.0000e-005**	**0.0000**	**0.0502**	**0.0502**	**1.3000e-004**	**0.0000**	**0.0534**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.3989					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.0374					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Landscaping	2.3700e-003	2.3000e-004	0.0257	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	0.0502	0.0502	1.3000e-004	0.0000	0.0534
Total	**3.4386**	**2.3000e-004**	**0.0257**	**0.0000**		**9.0000e-005**	**9.0000e-005**		**9.0000e-005**	**9.0000e-005**	**0.0000**	**0.0502**	**0.0502**	**1.3000e-004**	**0.0000**	**0.0534**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	335.7006	0.0953	0.0547	354.3956
Unmitigated	413.9004	0.1189	0.0684	437.2487

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Light Industry	21.1518 / 2.32715	103.4751	0.0297	0.0171	109.3122
Hospital	21.1518 / 2.32715	103.4751	0.0297	0.0171	109.3122
Medical Office Building	21.1518 / 2.32715	103.4751	0.0297	0.0171	109.3122
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Research & Development	21.1518 / 2.32715	103.4751	0.0297	0.0171	109.3122
Total		**413.9004**	**0.1189**	**0.0684**	**437.2486**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Light Industry	16.9214 / 2.18519	83.9251	0.0238	0.0137	88.5989
Hospital	16.9214 / 2.18519	83.9251	0.0238	0.0137	88.5989
Medical Office Building	16.9214 / 2.18519	83.9251	0.0238	0.0137	88.5989
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Research & Development	16.9214 / 2.18519	83.9251	0.0238	0.0137	88.5989

Total		**335.7006**	**0.0953**	**0.0548**	**354.3956**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	1,210.2321	71.5227	0.0000	2,998.2989
Unmitigated	1,210.2321	71.5227	0.0000	2,998.2989

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Light Industry	48	9.7436	0.5758	0.0000	24.1393
Hospital	5276	1,070.9803	63.2931	0.0000	2,653.3084

Medical Office Building	66	13.3974	0.7918	0.0000	33.1915
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Research & Development	572	116.1108	6.8620	0.0000	287.6597
Total		**1,210.2321**	**71.5227**	**0.0000**	**2,998.2989**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Light Industry	48	9.7436	0.5758	0.0000	24.1393
Hospital	5276	1,070.9803	63.2931	0.0000	2,653.3084
Medical Office Building	66	13.3974	0.7918	0.0000	33.1915
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Research & Development	572	116.1108	6.8620	0.0000	287.6597
Total		**1,210.2321**	**71.5227**	**0.0000**	**2,998.2989**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Phase 2_Proposed New

Los Angeles-South Coast, Summary Report

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	490.00	1000sqft	18.87	490,000.00	0
Medical Office Building	60.00	1000sqft	0.78	60,000.00	0
Research & Development	241.00	1000sqft	2.17	241,000.00	0
Enclosed Parking with Elevator	1,200.00	1000sqft	6.76	1,200,000.00	0
General Light Industry	20.00	1000sqft	0.93	20,000.00	0
Parking Lot	10.39	Acre	10.39	452,800.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments

Only CalEEMod defaults were used.

Project Characteristics -

Land Use - Based on phasing information provided.

Vehicle Trips - Trip generation rate and trip distance based on information provided by Fehr & Peers. For purposes of this analysis, all trips assigned to the Hospital land use

Fleet Mix - Based on Caltrans vehicle mix data for the segment of Interstate 210 west of Interstate 605.

Woodstoves -

Area Coating -

Water And Wastewater - Based on information provided by KPFF. Assumes no septic tanks of facultive lagoons. Assumes proportion indoor/outdoor water use for land uses for purposes of this analysis.

Solid Waste - Based on information provided in Chapter 5.16, Utilities and Service Systems, of the DEIR.

Energy Mitigation -

Water Mitigation -

2.0 Peak Daily Emissions

Peak Daily Operational Emissions

Peak Daily Operational Emissions

		Unmitigated						Mitigated					
		ROG	NOX	CO	SO2	PM10	PM2.5	ROG	NOX	CO	SO2	PM10	PM2.5
	Operational Activity	lb/day											
On-Site	Area	18.8478 S	1.8700e-003 S	0.2059 S	2.0000e-005 S	7.3000e-004 S	7.3000e-004 S	18.8478 S	1.8700e-003 S	0.2059 S	2.0000e-005 S	7.3000e-004 S	7.3000e-004 S
On-Site	Energy	1.1002 S	10.0019 S	8.4016 S	0.0600 S	0.7601 S	0.7601 S	1.0541 S	9.5823 S	8.0491 S	0.0575 S	0.7283 S	0.7283 S
Off-Site	Mobile	9.2272 S	40.6294 W	145.3899 S	0.5871 S	57.1406 W	15.4759 W	9.2272 S	40.6294 W	145.3899 S	0.5871 S	57.1406 W	15.4759 W
	Peak Daily Total	29.1752 S	50.6331 W	153.9973 S	0.6472 S	57.9014 W	16.2367 W	29.1290 S	50.2135 W	153.6449 S	0.6446 S	57.8696 W	16.2049 W
	Air District Threshold												
	Exceed Significance?												

3.0 Annual GHG Emissions

Annual GHG

Annual GHG

		Unmitigated				Mitigated			
		CO2	CH4	N2O	CO2e	CO2	CH4	N2O	CO2e
GHG Activity	Year	MT/yr							
Construction	2017	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Operational	2025	20,680.3416	72.3905	0.1694	22,540.5721	20,347.9298	72.3583	0.1527	22,202.4016
	Total								
	Significance Threshold								
	Exceed Significance?								

Phase 2_Proposed New

Los Angeles-South Coast County, Mitigation Report

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.26	2.26	2.26	2.28	2.26
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas	4.20	4.19	4.19	4.11	4.19	4.19	0.00	4.19	4.19	4.20	4.20	4.19
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	20.00	18.81	18.89	19.84	19.95	18.95
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting:

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value 3
No	Land Use	Increase Density	0.00			
No	Land Use	Increase Diversity	0.11	0.33		
No	Land Use	Improve Walkability Design	0.00			
No	Land Use	Improve Destination Accessibility	0.00			
No	Land Use	Increase Transit Accessibility	0.25			

No	Land Use	Integrate Below Market Rate Housing	0.00			
	Land Use	Land Use SubTotal	0.00			
No	Neighborhood Enhancements	Improve Pedestrian Network				
No	Neighborhood Enhancements	Provide Traffic Calming Measures				
No	Neighborhood Enhancements	Implement NEV Network	0.00			
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00			
No	Parking Policy Pricing	Limit Parking Supply	0.00			
No	Parking Policy Pricing	Unbundle Parking Costs	0.00			
No	Parking Policy Pricing	On-street Market Pricing	0.00			
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00			
No	Transit Improvements	Provide BRT System	0.00			
No	Transit Improvements	Expand Transit Network	0.00			
No	Transit Improvements	Increase Transit Frequency	0.00			
	Transit Improvements	Transit Improvements Subtotal	0.00			
		Land Use and Site Enhancement Subtotal	0.00			
No	Commute	Implement Trip Reduction Program				
No	Commute	Transit Subsidy				
No	Commute	Implement Employee Parking "Cash Out"				
No	Commute	Workplace Parking Charge				
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00			
No	Commute	Market Commute Trip Reduction Option	0.00			
No	Commute	Employee Vanpool/Shuttle	0.00		2.00	
No	Commute	Provide Ride Sharing Program				
	Commute	Commute Subtotal	0.00			
No	School Trip	Implement School Bus Program	0.00			
		Total VMT Reduction	0.00			

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
No	No Hearth	
No	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	50.00
No	Use Low VOC Paint (Residential Exterior)	50.00
No	Use Low VOC Paint (Non-residential Interior)	100.00
No	Use Low VOC Paint (Non-residential Exterior)	100.00
No	Use Low VOC Paint (Parking)	100.00
No	% Electric Lawnmower	
No	% Electric Leafblower	
No	% Electric Chainsaw	

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
Yes	Exceed Title 24	5.00	
No	Install High Efficiency Lighting		
No	On-site Renewable		

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Apply Water Conservation on Strategy	0.00	0.00
No	Use Reclaimed Water	0.00	0.00
No	Use Grey Water	0.00	
Yes	Install low-flow bathroom faucet	32.00	
Yes	Install low-flow Kitchen faucet	18.00	
Yes	Install low-flow Toilet	20.00	
Yes	Install low-flow Shower	20.00	
No	Turf Reduction	0.00	
Yes	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape	0.00	0.00

Solid Waste Mitigation

Mitigation Measures	Input Value
Institute Recycling and Composting Services	
Percent Reduction in Waste Disposed	

CalEEMod Output: Operation – Proposed (Phase 3)

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Phase 3_Proposed New

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	670.00	1000sqft	23.40	670,000.00	0
Medical Office Building	130.00	1000sqft	2.38	130,000.00	0
Research & Development	241.00	1000sqft	2.17	241,000.00	0
Enclosed Parking with Elevator	1,200.00	1000sqft	6.76	1,200,000.00	0
Hotel	52.00	Room	1.72	75,000.00	0
General Light Industry	30.00	1000sqft	1.16	30,000.00	0
General Heavy Industry	30.00	1000sqft	0.69	30,000.00	0
Parking Lot	11.70	Acre	11.70	509,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2030
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on phasing plan provided.

Vehicle Trips - Trip generation rate and trip distance based on information provided by Fehr & Peers. For purposes of this analysis, all trips assigned to the Hospital land use.

Fleet Mix - Based on Caltrans vehicle mix data for the segment of Interstate 210 west of Interstate 605.

Water And Wastewater - Based on information provided by KPFF. Assumes no septic tanks of facultive lagoons. Assumes proportion indoor/outdoor water use for land uses for purposes of this analysis.

Energy Use - For purposes of this analysis, per the City of Hope, a non-Title 24 electricity rate of 800 kWh per square foot per year is assumed for proposed data center.

Solid Waste - Based on information provided in Chapter 5.16, Utilities and Service Systems, of the DEIR.

Energy Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblEnergyUse	NT24E	5.75	800.00
tblFleetMix	HHD	0.03	0.04
tblFleetMix	LDA	0.54	0.62
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT2	0.21	0.24
tblFleetMix	LHD1	0.01	3.3320e-003
tblFleetMix	LHD2	6.3670e-003	1.5450e-003
tblFleetMix	MCY	5.2970e-003	6.0890e-003
tblFleetMix	MDV	0.12	0.03
tblFleetMix	MH	8.1200e-004	1.9700e-004
tblFleetMix	MHD	0.02	5.1970e-003
tblFleetMix	OBUS	2.6370e-003	6.4000e-004
tblFleetMix	SBUS	7.1900e-004	1.7400e-004
tblFleetMix	UBUS	1.7340e-003	4.2100e-004
tblLandUse	BuildingSpaceSquareFeet	75,504.00	75,000.00
tblLandUse	BuildingSpaceSquareFeet	509,652.00	509,500.00

tblLandUse	LandUseSquareFeet	75,504.00	75,000.00
tblLandUse	LandUseSquareFeet	509,652.00	509,500.00
tblLandUse	LotAcreage	15.38	23.40
tblLandUse	LotAcreage	2.98	2.38
tblLandUse	LotAcreage	5.53	2.17
tblLandUse	LotAcreage	27.55	6.76
tblLandUse	LotAcreage	1.73	1.72
tblLandUse	LotAcreage	0.69	1.16
tblProjectCharacteristics	OperationalYear	2018	2030
tblSolidWaste	SolidWasteGenerationRate	37.20	72.00
tblSolidWaste	SolidWasteGenerationRate	37.20	72.00
tblSolidWaste	SolidWasteGenerationRate	7,236.00	7,214.00
tblSolidWaste	SolidWasteGenerationRate	28.47	246.00
tblSolidWaste	SolidWasteGenerationRate	1,404.00	142.00
tblSolidWaste	SolidWasteGenerationRate	18.31	572.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	16.10	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	14.30
tblVehicleTrips	CW_TTP	64.90	100.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PR_TP	73.00	100.00
tblVehicleTrips	ST_TR	1.50	0.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	10.18	11.16
tblVehicleTrips	ST_TR	8.19	0.00

tblVehicleTrips	ST_TR	8.96	0.00
tblVehicleTrips	ST_TR	1.90	0.00
tblVehicleTrips	SU_TR	1.50	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	8.91	11.16
tblVehicleTrips	SU_TR	5.95	0.00
tblVehicleTrips	SU_TR	1.55	0.00
tblVehicleTrips	SU_TR	1.11	0.00
tblVehicleTrips	WD_TR	1.50	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	13.22	11.16
tblVehicleTrips	WD_TR	8.17	0.00
tblVehicleTrips	WD_TR	36.13	0.00
tblVehicleTrips	WD_TR	8.11	0.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	6,937,500.00	18,691,444.00
tblWater	IndoorWaterUseRate	6,937,500.00	18,691,444.00

tblWater	IndoorWaterUseRate	84,071,960.16	18,691,444.00
tblWater	IndoorWaterUseRate	1,319,072.04	18,691,444.00
tblWater	IndoorWaterUseRate	16,312,469.88	18,691,444.00
tblWater	IndoorWaterUseRate	118,498,241.28	18,691,444.00
tblWater	OutdoorWaterUseRate	0.00	2,057,757.00
tblWater	OutdoorWaterUseRate	0.00	2,057,757.00
tblWater	OutdoorWaterUseRate	16,013,706.70	2,057,757.00
tblWater	OutdoorWaterUseRate	146,563.56	2,057,757.00
tblWater	OutdoorWaterUseRate	3,107,137.12	2,057,757.00
tblWater	OutdoorWaterUseRate	0.00	2,057,757.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

2.0 Emissions Summary

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	27.0293	2.1600e-003	0.2402	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5175	0.5175	1.3300e-003		0.5509

Energy	1.5426	14.0233	11.7796	0.0841		1.0658	1.0658		1.0658	1.0658		16,827.9645	16,827.9645	0.3225	0.3085	16,927.9647
Mobile	11.0506	50.4630	169.1098	0.7507	81.9542	0.4606	82.4147	21.7959	0.4264	22.2224		76,620.4001	76,620.4001	3.0035		76,695.4882
Total	**39.6224**	**64.4884**	**181.1296**	**0.8349**	**81.9542**	**1.5272**	**83.4813**	**21.7959**	**1.4930**	**23.2890**		**93,448.8822**	**93,448.8822**	**3.3274**	**0.3085**	**93,624.0038**

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	27.0293	2.1600e-003	0.2402	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5175	0.5175	1.3300e-003		0.5509
Energy	1.4777	13.4333	11.2839	0.0806		1.0209	1.0209		1.0209	1.0209		16,119.9112	16,119.9112	0.3090	0.2955	16,215.7038
Mobile	11.0506	50.4630	169.1098	0.7507	81.9542	0.4606	82.4147	21.7959	0.4264	22.2224		76,620.4001	76,620.4001	3.0035		76,695.4882
Total	**39.5575**	**63.8984**	**180.6340**	**0.8314**	**81.9542**	**1.4823**	**83.4365**	**21.7959**	**1.4482**	**23.2441**		**92,740.8288**	**92,740.8288**	**3.3138**	**0.2955**	**92,911.7428**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.16**	**0.91**	**0.27**	**0.42**	**0.00**	**2.94**	**0.05**	**0.00**	**3.00**	**0.19**	**0.00**	**0.76**	**0.76**	**0.41**	**4.21**	**0.76**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	11.0506	50.4630	169.1098	0.7507	81.9542	0.4606	82.4147	21.7959	0.4264	22.2224		76,620.4001	76,620.4001	3.0035		76,695.4882
Unmitigated	11.0506	50.4630	169.1098	0.7507	81.9542	0.4606	82.4147	21.7959	0.4264	22.2224		76,620.4001	76,620.4001	3.0035		76,695.4882

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Heavy Industry	0.00	0.00	0.00		
General Light Industry	0.00	0.00	0.00		
Hospital	7,477.20	7,477.20	7477.20	38,920,321	38,920,321
Hotel	0.00	0.00	0.00		
Medical Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Research & Development	0.00	0.00	0.00		
Total	7,477.20	7,477.20	7,477.20	38,920,321	38,920,321

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
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Heavy Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Hospital	14.30	0.00	0.00	100.00	0.00	0.00	100	0	0
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Research & Development	16.60	8.40	6.90	33.00	48.00	19.00	82	15	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hospital	0.623085	0.050643	0.242183	0.026012	0.003332	0.001545	0.005197	0.040482	0.000640	0.000421	0.006089	0.000174	0.000197
Medical Office Building	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812
Research & Development	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812
Enclosed Parking with Elevator	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812
Hotel	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812
General Light Industry	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812
General Heavy Industry	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812
Parking Lot	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812

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	1.4777	13.4333	11.2839	0.0806		1.0209	1.0209		1.0209	1.0209		16,119.9112	16,119.9112	0.3090	0.2955	16,215.7038
NaturalGas Unmitigated	1.5426	14.0233	11.7796	0.0841		1.0658	1.0658		1.0658	1.0658		16,827.9645	16,827.9645	0.3225	0.3085	16,927.9647

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	1492.6	0.0161	0.1463	0.1229	8.8000e-004		0.0111	0.0111		0.0111	0.0111		175.6003	175.6003	3.3700e-003	3.2200e-003	176.6438
General Light Industry	1492.6	0.0161	0.1463	0.1229	8.8000e-004		0.0111	0.0111		0.0111	0.0111		175.6003	175.6003	3.3700e-003	3.2200e-003	176.6438
Hospital	119388	1.2875	11.7048	9.8320	0.0702		0.8896	0.8896		0.8896	0.8896		14,045.7051	14,045.7051	0.2692	0.2575	14,129.1717
Hotel	4947.95	0.0534	0.4851	0.4075	2.9100e-003		0.0369	0.0369		0.0369	0.0369		582.1112	582.1112	0.0112	0.0107	585.5704
Medical Office Building	3725.48	0.0402	0.3652	0.3068	2.1900e-003		0.0278	0.0278		0.0278	0.0278		438.2917	438.2917	8.4000e-003	8.0400e-003	440.8963
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	11990.6	0.1293	1.1756	0.9875	7.0500e-003		0.0893	0.0893		0.0893	0.0893		1,410.6559	1,410.6559	0.0270	0.0259	1,419.0388
Total		**1.5426**	**14.0233**	**11.7796**	**0.0841**		**1.0658**	**1.0658**		**1.0658**	**1.0658**		**16,827.9645**	**16,827.9645**	**0.3226**	**0.3085**	**16,927.9647**

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				
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	1.43626	0.0155	0.1408	0.1183	8.4000e-004		0.0107	0.0107		0.0107	0.0107		168.9718	168.9718	3.2400e-003	3.1000e-003	169.9759
General Light Industry	1.43626	0.0155	0.1408	0.1183	8.4000e-004		0.0107	0.0107		0.0107	0.0107		168.9718	168.9718	3.2400e-003	3.1000e-003	169.9759
Hospital	114.32	1.2329	11.2079	9.4146	0.0673		0.8518	0.8518		0.8518	0.8518		13,449.4537	13,449.4537	0.2578	0.2466	13,529.3770
Hotel	4.74226	0.0511	0.4649	0.3905	2.7900e-003		0.0353	0.0353		0.0353	0.0353		557.9130	557.9130	0.0107	0.0102	561.2284
Medical Office Building	3.54615	0.0382	0.3477	0.2920	2.0900e-003		0.0264	0.0264		0.0264	0.0264		417.1942	417.1942	8.0000e-003	7.6500e-003	419.6734
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	11.538	0.1244	1.1312	0.9502	6.7900e-003		0.0860	0.0860		0.0860	0.0860		1,357.4068	1,357.4068	0.0260	0.0249	1,365.4732
Total		**1.4777**	**13.4333**	**11.2839**	**0.0806**		**1.0209**	**1.0209**		**1.0209**	**1.0209**		**16,119.9112**	**16,119.9112**	**0.3090**	**0.2955**	**16,215.7038**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	27.0293	2.1600e-003	0.2402	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5175	0.5175	1.3300e-003		0.5509
Unmitigated	27.0293	2.1600e-003	0.2402	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5175	0.5175	1.3300e-003		0.5509

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	3.1170					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	23.8903					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0220	2.1600e-003	0.2402	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5175	0.5175	1.3300e-003		0.5509
Total	**27.0293**	**2.1600e-003**	**0.2402**	**2.0000e-005**		**8.5000e-004**	**8.5000e-004**		**8.5000e-004**	**8.5000e-004**		**0.5175**	**0.5175**	**1.3300e-003**		**0.5509**

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	3.1170					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	23.8903					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0220	2.1600e-003	0.2402	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5175	0.5175	1.3300e-003		0.5509
Total	**27.0293**	**2.1600e-003**	**0.2402**	**2.0000e-005**		**8.5000e-004**	**8.5000e-004**		**8.5000e-004**	**8.5000e-004**		**0.5175**	**0.5175**	**1.3300e-003**		**0.5509**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Phase 3_Proposed New

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	670.00	1000sqft	23.40	670,000.00	0
Medical Office Building	130.00	1000sqft	2.38	130,000.00	0
Research & Development	241.00	1000sqft	2.17	241,000.00	0
Enclosed Parking with Elevator	1,200.00	1000sqft	6.76	1,200,000.00	0
Hotel	52.00	Room	1.72	75,000.00	0
General Light Industry	30.00	1000sqft	1.16	30,000.00	0
General Heavy Industry	30.00	1000sqft	0.69	30,000.00	0
Parking Lot	11.70	Acre	11.70	509,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2030
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on phasing plan provided.

Vehicle Trips - Trip generation rate and trip distance based on information provided by Fehr & Peers. For purposes of this analysis, all trips assigned to the Hospital land use.
Fleet Mix - Based on Caltrans vehicle mix data for the segment of Interstate 210 west of Interstate 605.

Water And Wastewater - Based on information provided by KPFF. Assumes no septic tanks of facultive lagoons. Assumes proportion indoor/outdoor water use for land uses for purposes of this analysis.

Energy Use - For purposes of this analysis, per the City of Hope, a non-Title 24 electricity rate of 800 kWh per square foot per year is assumed for proposed data center.
Solid Waste - Based on information provided in Chapter 5.16, Utilities and Service Systems, of the DEIR.

Energy Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblEnergyUse	NT24E	5.75	800.00
tblFleetMix	HHD	0.03	0.04
tblFleetMix	LDA	0.54	0.62
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT2	0.21	0.24
tblFleetMix	LHD1	0.01	3.3320e-003
tblFleetMix	LHD2	6.3670e-003	1.5450e-003
tblFleetMix	MCY	5.2970e-003	6.0890e-003
tblFleetMix	MDV	0.12	0.03
tblFleetMix	MH	8.1200e-004	1.9700e-004
tblFleetMix	MHD	0.02	5.1970e-003
tblFleetMix	OBUS	2.6370e-003	6.4000e-004
tblFleetMix	SBUS	7.1900e-004	1.7400e-004
tblFleetMix	UBUS	1.7340e-003	4.2100e-004
tblLandUse	BuildingSpaceSquareFeet	75,504.00	75,000.00
tblLandUse	BuildingSpaceSquareFeet	509,652.00	509,500.00
tblLandUse	LandUseSquareFeet	75,504.00	75,000.00

tblLandUse	LandUseSquareFeet	509,652.00	509,500.00
tblLandUse	LotAcreage	15.38	23.40
tblLandUse	LotAcreage	2.98	2.38
tblLandUse	LotAcreage	5.53	2.17
tblLandUse	LotAcreage	27.55	6.76
tblLandUse	LotAcreage	1.73	1.72
tblLandUse	LotAcreage	0.69	1.16
tblProjectCharacteristics	OperationalYear	2018	2030
tblSolidWaste	SolidWasteGenerationRate	37.20	72.00
tblSolidWaste	SolidWasteGenerationRate	37.20	72.00
tblSolidWaste	SolidWasteGenerationRate	7,236.00	7,214.00
tblSolidWaste	SolidWasteGenerationRate	28.47	246.00
tblSolidWaste	SolidWasteGenerationRate	1,404.00	142.00
tblSolidWaste	SolidWasteGenerationRate	18.31	572.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	16.10	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	14.30
tblVehicleTrips	CW_TTP	64.90	100.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PR_TP	73.00	100.00
tblVehicleTrips	ST_TR	1.50	0.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	10.18	11.16
tblVehicleTrips	ST_TR	8.19	0.00
tblVehicleTrips	ST_TR	8.96	0.00

tblVehicleTrips	ST_TR	1.90	0.00
tblVehicleTrips	SU_TR	1.50	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	8.91	11.16
tblVehicleTrips	SU_TR	5.95	0.00
tblVehicleTrips	SU_TR	1.55	0.00
tblVehicleTrips	SU_TR	1.11	0.00
tblVehicleTrips	WD_TR	1.50	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	13.22	11.16
tblVehicleTrips	WD_TR	8.17	0.00
tblVehicleTrips	WD_TR	36.13	0.00
tblVehicleTrips	WD_TR	8.11	0.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	6,937,500.00	18,691,444.00
tblWater	IndoorWaterUseRate	6,937,500.00	18,691,444.00
tblWater	IndoorWaterUseRate	84,071,960.16	18,691,444.00

tblWater	IndoorWaterUseRate	1,319,072.04	18,691,444.00
tblWater	IndoorWaterUseRate	16,312,469.88	18,691,444.00
tblWater	IndoorWaterUseRate	118,498,241.28	18,691,444.00
tblWater	OutdoorWaterUseRate	0.00	2,057,757.00
tblWater	OutdoorWaterUseRate	0.00	2,057,757.00
tblWater	OutdoorWaterUseRate	16,013,706.70	2,057,757.00
tblWater	OutdoorWaterUseRate	146,563.56	2,057,757.00
tblWater	OutdoorWaterUseRate	3,107,137.12	2,057,757.00
tblWater	OutdoorWaterUseRate	0.00	2,057,757.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

2.0 Emissions Summary

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	27.0293	2.1600e-003	0.2402	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5175	0.5175	1.3300e-003		0.5509
Energy	1.5426	14.0233	11.7796	0.0841		1.0658	1.0658		1.0658	1.0658		16,827.9645	16,827.9645	0.3225	0.3085	16,927.9647

Mobile	10.7657	51.5225	158.4069	0.7139	81.9542	0.4616	82.4158	21.7959	0.4275	22.2234		72,910.7177	72,910.7177	3.0012		72,985.7482
Total	**39.3375**	**65.5479**	**170.4267**	**0.7981**	**81.9542**	**1.5283**	**83.4824**	**21.7959**	**1.4941**	**23.2900**		**89,739.1997**	**89,739.1997**	**3.3251**	**0.3085**	**89,914.2638**

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	27.0293	2.1600e-003	0.2402	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5175	0.5175	1.3300e-003		0.5509
Energy	1.4777	13.4333	11.2839	0.0806		1.0209	1.0209		1.0209	1.0209		16,119.9112	16,119.9112	0.3090	0.2955	16,215.7038
Mobile	10.7657	51.5225	158.4069	0.7139	81.9542	0.4616	82.4158	21.7959	0.4275	22.2234		72,910.7177	72,910.7177	3.0012		72,985.7482
Total	**39.2726**	**64.9579**	**169.9310**	**0.7945**	**81.9542**	**1.4834**	**83.4376**	**21.7959**	**1.4492**	**23.2452**		**89,031.1464**	**89,031.1464**	**3.3115**	**0.2955**	**89,202.0028**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.16**	**0.90**	**0.29**	**0.44**	**0.00**	**2.93**	**0.05**	**0.00**	**3.00**	**0.19**	**0.00**	**0.79**	**0.79**	**0.41**	**4.21**	**0.79**

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	10.7657	51.5225	158.4069	0.7139	81.9542	0.4616	82.4158	21.7959	0.4275	22.2234		72,910.7177	72,910.7177	3.0012		72,985.7482
Unmitigated	10.7657	51.5225	158.4069	0.7139	81.9542	0.4616	82.4158	21.7959	0.4275	22.2234		72,910.7177	72,910.7177	3.0012		72,985.7482

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Heavy Industry	0.00	0.00	0.00		
General Light Industry	0.00	0.00	0.00		
Hospital	7,477.20	7,477.20	7477.20	38,920,321	38,920,321
Hotel	0.00	0.00	0.00		
Medical Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Research & Development	0.00	0.00	0.00		
Total	7,477.20	7,477.20	7,477.20	38,920,321	38,920,321

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
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Heavy Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Hospital	14.30	0.00	0.00	100.00	0.00	0.00	100	0	0
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Research & Development	16.60	8.40	6.90	33.00	48.00	19.00	82	15	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hospital	0.623085	0.050643	0.242183	0.026012	0.003332	0.001545	0.005197	0.040482	0.000640	0.000421	0.006089	0.000174	0.000197
Medical Office Building	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812
Research & Development	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812

Enclosed Parking with Elevator	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812
Hotel	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812
General Light Industry	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812
General Heavy Industry	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812
Parking Lot	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812

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	1.4777	13.4333	11.2839	0.0806		1.0209	1.0209		1.0209	1.0209		16,119.9112	16,119.9112	0.3090	0.2955	16,215.7038
NaturalGas Unmitigated	1.5426	14.0233	11.7796	0.0841		1.0658	1.0658		1.0658	1.0658		16,827.9645	16,827.9645	0.3225	0.3085	16,927.9647

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	1492.6	0.0161	0.1463	0.1229	8.8000e-004		0.0111	0.0111		0.0111	0.0111		175.6003	175.6003	3.3700e-003	3.2200e-003	176.6438
General Light Industry	1492.6	0.0161	0.1463	0.1229	8.8000e-004		0.0111	0.0111		0.0111	0.0111		175.6003	175.6003	3.3700e-003	3.2200e-003	176.6438
Hospital	119388	1.2875	11.7048	9.8320	0.0702		0.8896	0.8896		0.8896	0.8896		14,045.7051	14,045.7051	0.2692	0.2575	14,129.1717
Hotel	4947.95	0.0534	0.4851	0.4075	2.9100e-003		0.0369	0.0369		0.0369	0.0369		582.1112	582.1112	0.0112	0.0107	585.5704
Medical Office Building	3725.48	0.0402	0.3652	0.3068	2.1900e-003		0.0278	0.0278		0.0278	0.0278		438.2917	438.2917	8.4000e-003	8.0400e-003	440.8963
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	11990.6	0.1293	1.1756	0.9875	7.0500e-003		0.0893	0.0893		0.0893	0.0893		1,410.6559	1,410.6559	0.0270	0.0259	1,419.0388
Total		**1.5426**	**14.0233**	**11.7796**	**0.0841**		**1.0658**	**1.0658**		**1.0658**	**1.0658**		**16,827.9645**	**16,827.9645**	**0.3226**	**0.3085**	**16,927.9647**

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	1.43626	0.0155	0.1408	0.1183	8.4000e-004		0.0107	0.0107		0.0107	0.0107		168.9718	168.9718	3.2400e-003	3.1000e-003	169.9759
General Light Industry	1.43626	0.0155	0.1408	0.1183	8.4000e-004		0.0107	0.0107		0.0107	0.0107		168.9718	168.9718	3.2400e-003	3.1000e-003	169.9759
Hospital	114.32	1.2329	11.2079	9.4146	0.0673		0.8518	0.8518		0.8518	0.8518		13,449.4537	13,449.4537	0.2578	0.2466	13,529.3770
Hotel	4.74226	0.0511	0.4649	0.3905	2.7900e-003		0.0353	0.0353		0.0353	0.0353		557.9130	557.9130	0.0107	0.0102	561.2284
Medical Office Building	3.54615	0.0382	0.3477	0.2920	2.0900e-003		0.0264	0.0264		0.0264	0.0264		417.1942	417.1942	8.0000e-003	7.6500e-003	419.6734
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	11.538	0.1244	1.1312	0.9502	6.7900e-003		0.0860	0.0860		0.0860	0.0860		1,357.4068	1,357.4068	0.0260	0.0249	1,365.4732
Total		**1.4777**	**13.4333**	**11.2839**	**0.0806**		**1.0209**	**1.0209**		**1.0209**	**1.0209**		**16,119.9112**	**16,119.9112**	**0.3090**	**0.2955**	**16,215.7038**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	27.0293	2.1600e-003	0.2402	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5175	0.5175	1.3300e-003		0.5509
Unmitigated	27.0293	2.1600e-003	0.2402	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5175	0.5175	1.3300e-003		0.5509

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	3.1170					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	23.8903					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0220	2.1600e-003	0.2402	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5175	0.5175	1.3300e-003		0.5509
Total	**27.0293**	**2.1600e-003**	**0.2402**	**2.0000e-005**		**8.5000e-004**	**8.5000e-004**		**8.5000e-004**	**8.5000e-004**		**0.5175**	**0.5175**	**1.3300e-003**		**0.5509**

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	3.1170					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	23.8903					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0220	2.1600e-003	0.2402	2.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		0.5175	0.5175	1.3300e-003		0.5509
Total	**27.0293**	**2.1600e-003**	**0.2402**	**2.0000e-005**		**8.5000e-004**	**8.5000e-004**		**8.5000e-004**	**8.5000e-004**		**0.5175**	**0.5175**	**1.3300e-003**		**0.5509**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Phase 3_Proposed New

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	670.00	1000sqft	23.40	670,000.00	0
Medical Office Building	130.00	1000sqft	2.38	130,000.00	0
Research & Development	241.00	1000sqft	2.17	241,000.00	0
Enclosed Parking with Elevator	1,200.00	1000sqft	6.76	1,200,000.00	0
Hotel	52.00	Room	1.72	75,000.00	0
General Light Industry	30.00	1000sqft	1.16	30,000.00	0
General Heavy Industry	30.00	1000sqft	0.69	30,000.00	0
Parking Lot	11.70	Acre	11.70	509,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2030
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on phasing plan provided.

Vehicle Trips - Trip generation rate and trip distance based on information provided by Fehr & Peers. For purposes of this analysis, all trips assigned to the Hospital land use.
Fleet Mix - Based on Caltrans vehicle mix data for the segment of Interstate 210 west of Interstate 605.

Water And Wastewater - Based on information provided by KPFF. Assumes no septic tanks of facultive lagoons. Assumes proportion indoor/outdoor water use for land uses for purposes of this analysis.

Energy Use - For purposes of this analysis, per the City of Hope, a non-Title 24 electricity rate of 800 kWh per square foot per year is assumed for proposed data center.

Solid Waste - Based on information provided in Chapter 5.16, Utilities and Service Systems, of the DEIR.

Energy Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblEnergyUse	NT24E	5.75	800.00
tblFleetMix	HHD	0.03	0.04
tblFleetMix	LDA	0.54	0.62
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT2	0.21	0.24
tblFleetMix	LHD1	0.01	3.3320e-003
tblFleetMix	LHD2	6.3670e-003	1.5450e-003
tblFleetMix	MCY	5.2970e-003	6.0890e-003
tblFleetMix	MDV	0.12	0.03
tblFleetMix	MH	8.1200e-004	1.9700e-004
tblFleetMix	MHD	0.02	5.1970e-003
tblFleetMix	OBUS	2.6370e-003	6.4000e-004
tblFleetMix	SBUS	7.1900e-004	1.7400e-004
tblFleetMix	UBUS	1.7340e-003	4.2100e-004
tblLandUse	BuildingSpaceSquareFeet	75,504.00	75,000.00
tblLandUse	BuildingSpaceSquareFeet	509,652.00	509,500.00

tblLandUse	LandUseSquareFeet	75,504.00	75,000.00
tblLandUse	LandUseSquareFeet	509,652.00	509,500.00
tblLandUse	LotAcreage	15.38	23.40
tblLandUse	LotAcreage	2.98	2.38
tblLandUse	LotAcreage	5.53	2.17
tblLandUse	LotAcreage	27.55	6.76
tblLandUse	LotAcreage	1.73	1.72
tblLandUse	LotAcreage	0.69	1.16
tblProjectCharacteristics	OperationalYear	2018	2030
tblSolidWaste	SolidWasteGenerationRate	37.20	72.00
tblSolidWaste	SolidWasteGenerationRate	37.20	72.00
tblSolidWaste	SolidWasteGenerationRate	7,236.00	7,214.00
tblSolidWaste	SolidWasteGenerationRate	28.47	246.00
tblSolidWaste	SolidWasteGenerationRate	1,404.00	142.00
tblSolidWaste	SolidWasteGenerationRate	18.31	572.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	16.10	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	14.30
tblVehicleTrips	CW_TTP	64.90	100.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PR_TP	73.00	100.00
tblVehicleTrips	ST_TR	1.50	0.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	10.18	11.16
tblVehicleTrips	ST_TR	8.19	0.00

tblVehicleTrips	ST_TR	8.96	0.00
tblVehicleTrips	ST_TR	1.90	0.00
tblVehicleTrips	SU_TR	1.50	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	8.91	11.16
tblVehicleTrips	SU_TR	5.95	0.00
tblVehicleTrips	SU_TR	1.55	0.00
tblVehicleTrips	SU_TR	1.11	0.00
tblVehicleTrips	WD_TR	1.50	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	13.22	11.16
tblVehicleTrips	WD_TR	8.17	0.00
tblVehicleTrips	WD_TR	36.13	0.00
tblVehicleTrips	WD_TR	8.11	0.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	6,937,500.00	18,691,444.00
tblWater	IndoorWaterUseRate	6,937,500.00	18,691,444.00

tblWater	IndoorWaterUseRate	84,071,960.16	18,691,444.00
tblWater	IndoorWaterUseRate	1,319,072.04	18,691,444.00
tblWater	IndoorWaterUseRate	16,312,469.88	18,691,444.00
tblWater	IndoorWaterUseRate	118,498,241.28	18,691,444.00
tblWater	OutdoorWaterUseRate	0.00	2,057,757.00
tblWater	OutdoorWaterUseRate	0.00	2,057,757.00
tblWater	OutdoorWaterUseRate	16,013,706.70	2,057,757.00
tblWater	OutdoorWaterUseRate	146,563.56	2,057,757.00
tblWater	OutdoorWaterUseRate	3,107,137.12	2,057,757.00
tblWater	OutdoorWaterUseRate	0.00	2,057,757.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

2.0 Emissions Summary

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	4.9316	2.7000e-004	0.0300	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0587	0.0587	1.5000e-004	0.0000	0.0625

Energy	0.2815	2.5593	2.1498	0.0154		0.1945	0.1945		0.1945	0.1945	0.0000	19,921.7160	19,921.7160	0.7608	0.1974	19,999.5755
Mobile	1.9262	9.5474	29.3326	0.1318	14.6249	0.0838	14.7087	3.8955	0.0776	3.9731	0.0000	12,208.2872	12,208.2872	0.4934	0.0000	12,220.6226
Waste						0.0000	0.0000		0.0000	0.0000	1,688.4788	0.0000	1,688.4788	99.7862	0.0000	4,183.1348
Water						0.0000	0.0000		0.0000	0.0000	39.6784	508.9843	548.6627	0.1576	0.0906	579.6115
Total	**7.1393**	**12.1070**	**31.5124**	**0.1471**	**14.6249**	**0.2784**	**14.9033**	**3.8955**	**0.2722**	**4.1677**	**1,728.1572**	**32,639.0462**	**34,367.2034**	**101.1982**	**0.2881**	**36,983.0068**

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	4.9316	2.7000e-004	0.0300	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0587	0.0587	1.5000e-004	0.0000	0.0625
Energy	0.2697	2.4516	2.0593	0.0147		0.1863	0.1863		0.1863	0.1863	0.0000	19,593.6141	19,593.6141	0.7499	0.1935	19,670.0225
Mobile	1.9262	9.5474	29.3326	0.1318	14.6249	0.0838	14.7087	3.8955	0.0776	3.9731	0.0000	12,208.2872	12,208.2872	0.4934	0.0000	12,220.6226
Waste						0.0000	0.0000		0.0000	0.0000	1,688.4788	0.0000	1,688.4788	99.7862	0.0000	4,183.1348
Water						0.0000	0.0000		0.0000	0.0000	31.7427	413.2625	445.0052	0.1263	0.0726	469.7860
Total	**7.1274**	**11.9993**	**31.4220**	**0.1465**	**14.6249**	**0.2702**	**14.8951**	**3.8955**	**0.2640**	**4.1595**	**1,720.2215**	**32,215.2225**	**33,935.4440**	**101.1560**	**0.2661**	**36,543.6283**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.17**	**0.89**	**0.29**	**0.44**	**0.00**	**2.94**	**0.05**	**0.00**	**3.01**	**0.20**	**0.46**	**1.30**	**1.26**	**0.04**	**7.65**	**1.19**

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	1.9262	9.5474	29.3326	0.1318	14.6249	0.0838	14.7087	3.8955	0.0776	3.9731	0.0000	12,208.2872	12,208.2872	0.4934	0.0000	12,220.6226
Unmitigated	1.9262	9.5474	29.3326	0.1318	14.6249	0.0838	14.7087	3.8955	0.0776	3.9731	0.0000	12,208.2872	12,208.2872	0.4934	0.0000	12,220.6226

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Heavy Industry	0.00	0.00	0.00		
General Light Industry	0.00	0.00	0.00		
Hospital	7,477.20	7,477.20	7477.20	38,920,321	38,920,321
Hotel	0.00	0.00	0.00		
Medical Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Research & Development	0.00	0.00	0.00		
Total	7,477.20	7,477.20	7,477.20	38,920,321	38,920,321

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
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Heavy Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Hospital	14.30	0.00	0.00	100.00	0.00	0.00	100	0	0
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Research & Development	16.60	8.40	6.90	33.00	48.00	19.00	82	15	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hospital	0.623085	0.050643	0.242183	0.026012	0.003332	0.001545	0.005197	0.040482	0.000640	0.000421	0.006089	0.000174	0.000197
Medical Office Building	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812
Research & Development	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812
Enclosed Parking with Elevator	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812
Hotel	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812
General Light Industry	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812
General Heavy Industry	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812
Parking Lot	0.542058	0.044057	0.210689	0.115963	0.013736	0.006367	0.021423	0.034509	0.002637	0.001734	0.005297	0.000719	0.000812

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	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	16,924.7820	16,924.7820	0.6987	0.1446	16,985.3309
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	17,135.6578	17,135.6578	0.7074	0.1464	17,196.9611
NaturalGas Mitigated	0.2697	2.4516	2.0593	0.0147		0.1863	0.1863		0.1863	0.1863	0.0000	2,668.8321	2,668.8321	0.0512	0.0489	2,684.6916
NaturalGas Unmitigated	0.2815	2.5593	2.1498	0.0154		0.1945	0.1945		0.1945	0.1945	0.0000	2,786.0583	2,786.0583	0.0534	0.0511	2,802.6144

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	544800	2.9400e-003	0.0267	0.0224	1.6000e-004		2.0300e-003	2.0300e-003		2.0300e-003	2.0300e-003	0.0000	29.0726	29.0726	5.6000e-004	5.3000e-004	29.2454
General Light Industry	544800	2.9400e-003	0.0267	0.0224	1.6000e-004		2.0300e-003	2.0300e-003		2.0300e-003	2.0300e-003	0.0000	29.0726	29.0726	5.6000e-004	5.3000e-004	29.2454
Hospital	4.35768e+007	0.2350	2.1361	1.7943	0.0128		0.1623	0.1623		0.1623	0.1623	0.0000	2,325.4240	2,325.4240	0.0446	0.0426	2,339.2428
Hotel	1.806e+006	9.7400e-003	0.0885	0.0744	5.3000e-004		6.7300e-003	6.7300e-003		6.7300e-003	6.7300e-003	0.0000	96.3750	96.3750	1.8500e-003	1.7700e-003	96.9478

Medical Office Building	1.3598e+006	7.3300e-003	0.0667	0.0560	4.0000e-004		5.0700e-003	5.0700e-003		5.0700e-003	5.0700e-003	0.0000	72.5641	72.5641	1.3900e-003	1.3300e-003	72.9953
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	4.37656e+006	0.0236	0.2145	0.1802	1.2900e-003		0.0163	0.0163		0.0163	0.0163	0.0000	233.5499	233.5499	4.4800e-003	4.2800e-003	234.9378
Total		**0.2815**	**2.5593**	**2.1498**	**0.0154**		**0.1945**	**0.1945**		**0.1945**	**0.1945**	**0.0000**	**2,786.0583**	**2,786.0583**	**0.0534**	**0.0511**	**2,802.6144**

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	524235	2.8300e-003	0.0257	0.0216	1.5000e-004		1.9500e-003	1.9500e-003		1.9500e-003	1.9500e-003	0.0000	27.9752	27.9752	5.4000e-004	5.1000e-004	28.1414
General Light Industry	524235	2.8300e-003	0.0257	0.0216	1.5000e-004		1.9500e-003	1.9500e-003		1.9500e-003	1.9500e-003	0.0000	27.9752	27.9752	5.4000e-004	5.1000e-004	28.1414
Hospital	4.17269e+007	0.2250	2.0454	1.7182	0.0123		0.1555	0.1555		0.1555	0.1555	0.0000	2,226.7079	2,226.7079	0.0427	0.0408	2,239.9401
Hotel	1.73092e+006	9.3300e-003	0.0849	0.0713	5.1000e-004		6.4500e-003	6.4500e-003		6.4500e-003	6.4500e-003	0.0000	92.3688	92.3688	1.7700e-003	1.6900e-003	92.9177
Medical Office Building	1.29435e+006	6.9800e-003	0.0635	0.0533	3.8000e-004		4.8200e-003	4.8200e-003		4.8200e-003	4.8200e-003	0.0000	69.0712	69.0712	1.3200e-003	1.2700e-003	69.4816
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	4.21135e+006	0.0227	0.2064	0.1734	1.2400e-003		0.0157	0.0157		0.0157	0.0157	0.0000	224.7339	224.7339	4.3100e-003	4.1200e-003	226.0694
Total		**0.2697**	**2.4516**	**2.0593**	**0.0147**		**0.1863**	**0.1863**		**0.1863**	**0.1863**	**0.0000**	**2,668.8321**	**2,668.8321**	**0.0512**	**0.0489**	**2,684.6916**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	8.088e+006	2,577.0101	0.1064	0.0220	2,586.2294
General Heavy Industry	2.41668e+007	7,700.0602	0.3179	0.0658	7,727.6074
General Light Industry	339300	108.1083	4.4600e-003	9.2000e-004	108.4950
Hospital	1.56981e+007	5,001.7510	0.2065	0.0427	5,019.6449
Hotel	582750	185.6766	7.6700e-003	1.5900e-003	186.3409
Medical Office Building	1.7316e+006	551.7249	0.0228	4.7100e-003	553.6987
Parking Lot	448360	142.8571	5.9000e-003	1.2200e-003	143.3682
Research & Development	2.72571e+006	868.4696	0.0359	7.4200e-003	871.5766
Total		**17,135.6578**	**0.7074**	**0.1464**	**17,196.9611**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	7.8528e+006	2,502.0703	0.1033	0.0214	2,511.0216
General Heavy Industry	2.41633e+007	7,698.9323	0.3179	0.0658	7,726.4755
General Light Industry	335760	106.9803	4.4200e-003	9.1000e-004	107.3631
Hospital	1.53484e+007	4,890.3163	0.2019	0.0418	4,907.8116
Hotel	572700	182.4745	7.5300e-003	1.5600e-003	183.1273
Medical Office Building	1.70027e+006	541.7425	0.0224	4.6300e-003	543.6806
Parking Lot	448360	142.8571	5.9000e-003	1.2200e-003	143.3682
Research & Development	2.69727e+006	859.4087	0.0355	7.3400e-003	862.4832
Total		**16,924.7820**	**0.6988**	**0.1446**	**16,985.3309**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	4.9316	2.7000e-004	0.0300	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0587	0.0587	1.5000e-004	0.0000	0.0625
Unmitigated	4.9316	2.7000e-004	0.0300	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0587	0.0587	1.5000e-004	0.0000	0.0625

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.5689					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.3600					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.7500e-003	2.7000e-004	0.0300	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0587	0.0587	1.5000e-004	0.0000	0.0625
Total	**4.9316**	**2.7000e-004**	**0.0300**	**0.0000**		**1.1000e-004**	**1.1000e-004**		**1.1000e-004**	**1.1000e-004**	**0.0000**	**0.0587**	**0.0587**	**1.5000e-004**	**0.0000**	**0.0625**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.5689					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.3600					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.7500e-003	2.7000e-004	0.0300	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0587	0.0587	1.5000e-004	0.0000	0.0625
Total	**4.9316**	**2.7000e-004**	**0.0300**	**0.0000**		**1.1000e-004**	**1.1000e-004**		**1.1000e-004**	**1.1000e-004**	**0.0000**	**0.0587**	**0.0587**	**1.5000e-004**	**0.0000**	**0.0625**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	445.0052	0.1263	0.0726	469.7860
Unmitigated	548.6627	0.1576	0.0906	579.6115

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	18.6914 / 2.05776	91.4438	0.0263	0.0151	96.6019
General Light Industry	18.6914 / 2.05776	91.4438	0.0263	0.0151	96.6019
Hospital	18.6914 / 2.05776	91.4438	0.0263	0.0151	96.6019
Hotel	18.6914 / 2.05776	91.4438	0.0263	0.0151	96.6019
Medical Office Building	18.6914 / 2.05776	91.4438	0.0263	0.0151	96.6019
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Research & Development	18.6914 / 2.05776	91.4438	0.0263	0.0151	96.6019
Total		**548.6627**	**0.1576**	**0.0907**	**579.6115**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	14.9532 / 1.93223	74.1675	0.0211	0.0121	78.2977
General Light Industry	14.9532 / 1.93223	74.1675	0.0211	0.0121	78.2977
Hospital	14.9532 / 1.93223	74.1675	0.0211	0.0121	78.2977
Hotel	14.9532 / 1.93223	74.1675	0.0211	0.0121	78.2977
Medical Office Building	14.9532 / 1.93223	74.1675	0.0211	0.0121	78.2977
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Research & Development	14.9532 / 1.93223	74.1675	0.0211	0.0121	78.2977
Total		**445.0052**	**0.1263**	**0.0725**	**469.7860**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	1,688.4788	99.7862	0.0000	4,183.1348
Unmitigated	1,688.4788	99.7862	0.0000	4,183.1348

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	72	14.6154	0.8637	0.0000	36.2089
General Light Industry	72	14.6154	0.8637	0.0000	36.2089
Hospital	7214	1,464.3768	86.5422	0.0000	3,627.9316
Hotel	246	49.9358	2.9511	0.0000	123.7138
Medical Office Building	142	28.8247	1.7035	0.0000	71.4120
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Research & Development	572	116.1108	6.8620	0.0000	287.6597
Total		**1,688.4788**	**99.7862**	**0.0000**	**4,183.1348**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	72	14.6154	0.8637	0.0000	36.2089
General Light Industry	72	14.6154	0.8637	0.0000	36.2089
Hospital	7214	1,464.3768	86.5422	0.0000	3,627.9316
Hotel	246	49.9358	2.9511	0.0000	123.7138
Medical Office Building	142	28.8247	1.7035	0.0000	71.4120
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Research & Development	572	116.1108	6.8620	0.0000	287.6597
Total		**1,688.4788**	**99.7862**	**0.0000**	**4,183.1348**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Phase 3_Proposed New

Los Angeles-South Coast, Summary Report

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	670.00	1000sqft	23.40	670,000.00	0
Medical Office Building	130.00	1000sqft	2.38	130,000.00	0
Research & Development	241.00	1000sqft	2.17	241,000.00	0
Enclosed Parking with Elevator	1,200.00	1000sqft	6.76	1,200,000.00	0
Hotel	52.00	Room	1.72	75,000.00	0
General Light Industry	30.00	1000sqft	1.16	30,000.00	0
General Heavy Industry	30.00	1000sqft	0.69	30,000.00	0
Parking Lot	11.70	Acre	11.70	509,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2030
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments

Only CalEEMod defaults were used.

Project Characteristics -

Land Use - Based on phasing plan provided.

Vehicle Trips - Trip generation rate and trip distance based on information provided by Fehr & Peers. For purposes of this analysis, all trips assigned to the Hospital land use.

Fleet Mix - Based on Caltrans vehicle mix data for the segment of Interstate 210 west of Interstate 605.

Water And Wastewater - Based on information provided by KPFF. Assumes no septic tanks of facultive lagoons. Assumes proportion indoor/outdoor water use for land uses for purposes of this analysis.

Energy Use - For purposes of this analysis, per the City of Hope, a non-Title 24 electricity rate of 800 kWh per square foot per year is assumed for proposed data center.

Solid Waste - Based on information provided in Chapter 5.16, Utilities and Service Systems, of the DEIR.

Energy Mitigation -

Water Mitigation -

2.0 Peak Daily Emissions

Peak Daily Operational Emissions

Peak Daily Operational Emissions

		Unmitigated						Mitigated					
		ROG	NOX	CO	SO2	PM10	PM2.5	ROG	NOX	CO	SO2	PM10	PM2.5
	Operational Activity	lb/day											
On-Site	Area	27.0293 S	2.1600e-003 S	0.2402 S	2.0000e-005 S	8.5000e-004 S	8.5000e-004 S	27.0293 S	2.1600e-003 S	0.2402 S	2.0000e-005 S	8.5000e-004 S	8.5000e-004 S
On-Site	Energy	1.5426 S	14.0233 S	11.7796 S	0.0841 S	1.0658 S	1.0658 S	1.4777 S	13.4333 S	11.2839 S	0.0806 S	1.0209 S	1.0209 S
Off-Site	Mobile	11.0506 S	51.5225 W	169.1098 S	0.7507 S	82.4158 W	22.2234 W	11.0506 S	51.5225 W	169.1098 S	0.7507 S	82.4158 W	22.2234 W
	Peak Daily Total	39.6224 S	65.5479 W	181.1296 S	0.8349 S	83.4824 W	23.2900 W	39.5575 S	64.9579 W	180.6340 S	0.8314 S	83.4376 W	23.2452 W
	Air District Threshold												
	Exceed Significance?												

3.0 Annual GHG Emissions

Annual GHG

Annual GHG

		Unmitigated				Mitigated			
		CO2	CH4	N2O	CO2e	CO2	CH4	N2O	CO2e
GHG Activity	Year	MT/yr							
Operational	2030	34,367.2034	101.1982	0.2881	36,983.0084	33,935.4440	101.1560	0.2661	36,543.6271
	Total								
	Significance Threshold								
	Exceed Significance?								

Phase 3_Proposed New

Los Angeles-South Coast County, Mitigation Report

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.23	1.23	1.23	1.23	1.23
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas	4.21	4.21	4.21	4.23	4.21	4.21	0.00	4.21	4.21	4.21	4.21	4.21
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	20.00	18.81	18.89	19.84	19.95	18.95
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting:

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value 3
No	Land Use	Increase Density	0.00			
No	Land Use	Increase Diversity	0.14	0.38		
No	Land Use	Improve Walkability Design	0.00			
No	Land Use	Improve Destination Accessibility	0.00			
No	Land Use	Increase Transit Accessibility	0.25			

No	Land Use	Integrate Below Market Rate Housing	0.00			
	Land Use	Land Use SubTotal	0.00			
No	Neighborhood Enhancements	Improve Pedestrian Network				
No	Neighborhood Enhancements	Provide Traffic Calming Measures				
No	Neighborhood Enhancements	Implement NEV Network	0.00			
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00			
No	Parking Policy Pricing	Limit Parking Supply	0.00			
No	Parking Policy Pricing	Unbundle Parking Costs	0.00			
No	Parking Policy Pricing	On-street Market Pricing	0.00			
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00			
No	Transit Improvements	Provide BRT System	0.00			
No	Transit Improvements	Expand Transit Network	0.00			
No	Transit Improvements	Increase Transit Frequency	0.00			
	Transit Improvements	Transit Improvements Subtotal	0.00			
		Land Use and Site Enhancement Subtotal	0.00			
No	Commute	Implement Trip Reduction Program				
No	Commute	Transit Subsidy				
No	Commute	Implement Employee Parking "Cash Out"				
No	Commute	Workplace Parking Charge				
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00			
No	Commute	Market Commute Trip Reduction Option	0.00			
No	Commute	Employee Vanpool/Shuttle	0.00		2.00	
No	Commute	Provide Ride Sharing Program				
	Commute	Commute Subtotal	0.00			
No	School Trip	Implement School Bus Program	0.00			
		Total VMT Reduction	0.00			

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
No	No Hearth	
No	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	50.00
No	Use Low VOC Paint (Residential Exterior)	50.00
No	Use Low VOC Paint (Non-residential Interior)	100.00
No	Use Low VOC Paint (Non-residential Exterior)	100.00
No	Use Low VOC Paint (Parking)	100.00
No	% Electric Lawnmower	
No	% Electric Leafblower	
No	% Electric Chainsaw	

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
Yes	Exceed Title 24	5.00	
No	Install High Efficiency Lighting		
No	On-site Renewable		

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Apply Water Conservation on Strategy	0.00	0.00
No	Use Reclaimed Water	0.00	0.00
No	Use Grey Water	0.00	
Yes	Install low-flow bathroom faucet	32.00	
Yes	Install low-flow Kitchen faucet	18.00	
Yes	Install low-flow Toilet	20.00	
Yes	Install low-flow Shower	20.00	
No	Turf Reduction	0.00	
Yes	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape	0.00	0.00

Solid Waste Mitigation

Mitigation Measures	Input Value
Institute Recycling and Composting Services	
Percent Reduction in Waste Disposed	

CalEEMod Output: Operation – Proposed (Phase 4)

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Phase 4_Proposed New

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	670.00	1000sqft	23.40	670,000.00	0
Medical Office Building	250.00	1000sqft	10.06	250,000.00	0
Research & Development	371.00	1000sqft	9.85	371,000.00	0
Enclosed Parking with Elevator	1,200.00	1000sqft	6.76	1,200,000.00	0
Hotel	52.00	Room	1.72	75,000.00	0
General Light Industry	30.00	1000sqft	1.16	30,000.00	0
General Heavy Industry	30.00	1000sqft	0.69	30,000.00	0
Parking Lot	13.22	Acre	13.22	575,800.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2035
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on anticipated phasing plan.

Vehicle Trips - Based on trip generation and trip distance data provided by Fehr & Peers. For purposes of this analysis, all trips are assigned to the Hospital land use.

Fleet Mix - Based on Caltrans vehicle mix data the segment of Interstate 210 west of Interstate 605.

Energy Use - For purposes of this analysis, per the City of Hope, a non-Title 24 electricity rate of 800 kWh per square foot per year is assumed for proposed data center.

Water And Wastewater - Based on information provided by KPFF. Assumes no septic tanks of facultive lagoons. Assumes proportion indoor/outdoor water use for land uses for purposes of this analysis.

Solid Waste - Based on information provided in Chapter 5.16, Utilities and Service Systems, of the DEIR.

Energy Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblEnergyUse	NT24E	5.75	800.00
tblFleetMix	HHD	0.04	0.04
tblFleetMix	LDA	0.54	0.62
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT2	0.21	0.24
tblFleetMix	LHD1	0.01	3.2270e-003
tblFleetMix	LHD2	6.4400e-003	1.5540e-003
tblFleetMix	MCY	5.3240e-003	6.1370e-003
tblFleetMix	MDV	0.12	0.03
tblFleetMix	MH	8.0700e-004	1.9500e-004
tblFleetMix	MHD	0.02	5.3100e-003
tblFleetMix	OBUS	2.7030e-003	6.5200e-004
tblFleetMix	SBUS	7.3200e-004	1.7700e-004
tblFleetMix	UBUS	1.6290e-003	3.9300e-004
tblLandUse	BuildingSpaceSquareFeet	75,504.00	75,000.00
tblLandUse	BuildingSpaceSquareFeet	575,863.20	575,800.00

tblLandUse	LandUseSquareFeet	75,504.00	75,000.00
tblLandUse	LandUseSquareFeet	575,863.20	575,800.00
tblLandUse	LotAcreage	15.38	23.40
tblLandUse	LotAcreage	5.74	10.06
tblLandUse	LotAcreage	8.52	9.85
tblLandUse	LotAcreage	27.55	6.76
tblLandUse	LotAcreage	1.73	1.72
tblLandUse	LotAcreage	0.69	1.16
tblProjectCharacteristics	OperationalYear	2018	2035
tblSolidWaste	SolidWasteGenerationRate	37.20	72.00
tblSolidWaste	SolidWasteGenerationRate	37.20	72.00
tblSolidWaste	SolidWasteGenerationRate	7,236.00	7,214.00
tblSolidWaste	SolidWasteGenerationRate	28.47	246.00
tblSolidWaste	SolidWasteGenerationRate	2,700.00	274.00
tblSolidWaste	SolidWasteGenerationRate	28.19	880.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	16.10	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	14.30
tblVehicleTrips	CW_TTP	64.90	100.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PR_TP	73.00	100.00
tblVehicleTrips	ST_TR	1.50	0.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	10.18	12.84
tblVehicleTrips	ST_TR	8.19	0.00

tblVehicleTrips	ST_TR	8.96	0.00
tblVehicleTrips	ST_TR	1.90	0.00
tblVehicleTrips	SU_TR	1.50	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	8.91	12.84
tblVehicleTrips	SU_TR	5.95	0.00
tblVehicleTrips	SU_TR	1.55	0.00
tblVehicleTrips	SU_TR	1.11	0.00
tblVehicleTrips	WD_TR	1.50	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	13.22	12.84
tblVehicleTrips	WD_TR	8.17	0.00
tblVehicleTrips	WD_TR	36.13	0.00
tblVehicleTrips	WD_TR	8.11	0.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	6,937,500.00	17,588,438.00
tblWater	IndoorWaterUseRate	6,937,500.00	17,588,438.00

tblWater	IndoorWaterUseRate	84,071,960.16	17,588,438.00
tblWater	IndoorWaterUseRate	1,319,072.04	17,588,438.00
tblWater	IndoorWaterUseRate	31,370,134.39	17,588,438.00
tblWater	IndoorWaterUseRate	182,418,454.41	17,588,438.00
tblWater	OutdoorWaterUseRate	0.00	1,954,271.00
tblWater	OutdoorWaterUseRate	0.00	1,954,271.00
tblWater	OutdoorWaterUseRate	16,013,706.70	1,954,271.00
tblWater	OutdoorWaterUseRate	146,563.56	1,954,271.00
tblWater	OutdoorWaterUseRate	5,975,263.69	1,954,271.00
tblWater	OutdoorWaterUseRate	0.00	1,954,271.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

2.0 Emissions Summary

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	32.6450	2.3900e-003	0.2656	2.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004		0.5726	0.5726	1.4800e-003		0.6094

Energy	1.6494	14.9946	12.5954	0.0900		1.1396	1.1396		1.1396	1.1396		17,993.4762	17,993.4762	0.3449	0.3299	18,100.4025
Mobile	10.8698	53.6097	164.4078	0.8056	94.2878	0.4022	94.6900	25.0755	0.3727	25.4482		82,384.3396	82,384.3396	3.1064		82,462.0004
Total	**45.1643**	**68.6066**	**177.2688**	**0.8956**	**94.2878**	**1.5427**	**95.8305**	**25.0755**	**1.5133**	**26.5887**		**100,378.3884**	**100,378.3884**	**3.4528**	**0.3299**	**100,563.0123**

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	32.6450	2.3900e-003	0.2656	2.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004		0.5726	0.5726	1.4800e-003		0.6094
Energy	1.5801	14.3644	12.0661	0.0862		1.0917	1.0917		1.0917	1.0917		17,237.2247	17,237.2247	0.3304	0.3160	17,339.6569
Mobile	10.8698	53.6097	164.4078	0.8056	94.2878	0.4022	94.6900	25.0755	0.3727	25.4482		82,384.3396	82,384.3396	3.1064		82,462.0004
Total	**45.0949**	**67.9764**	**176.7394**	**0.8919**	**94.2878**	**1.4948**	**95.7826**	**25.0755**	**1.4654**	**26.5408**		**99,622.1368**	**99,622.1368**	**3.4383**	**0.3160**	**99,802.2667**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.15**	**0.92**	**0.30**	**0.42**	**0.00**	**3.10**	**0.05**	**0.00**	**3.17**	**0.18**	**0.00**	**0.75**	**0.75**	**0.42**	**4.20**	**0.76**

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	10.8698	53.6097	164.4078	0.8056	94.2878	0.4022	94.6900	25.0755	0.3727	25.4482		82,384.3396	82,384.3396	3.1064		82,462.0004
Unmitigated	10.8698	53.6097	164.4078	0.8056	94.2878	0.4022	94.6900	25.0755	0.3727	25.4482		82,384.3396	82,384.3396	3.1064		82,462.0004

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Heavy Industry	0.00	0.00	0.00		
General Light Industry	0.00	0.00	0.00		
Hospital	8,602.80	8,602.80	8602.80	44,779,295	44,779,295
Hotel	0.00	0.00	0.00		
Medical Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Research & Development	0.00	0.00	0.00		
Total	8,602.80	8,602.80	8,602.80	44,779,295	44,779,295

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
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Heavy Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Hospital	14.30	0.00	0.00	100.00	0.00	0.00	100	0	0
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Research & Development	16.60	8.40	6.90	33.00	48.00	19.00	82	15	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hospital	0.622334	0.050426	0.243102	0.026012	0.003227	0.001554	0.005310	0.040482	0.000652	0.000393	0.006137	0.000177	0.000195
Medical Office Building	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
Research & Development	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
Enclosed Parking with Elevator	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
Hotel	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
General Light Industry	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
General Heavy Industry	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
Parking Lot	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807

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	1.5801	14.3644	12.0661	0.0862		1.0917	1.0917		1.0917	1.0917		17,237.2247	17,237.2247	0.3304	0.3160	17,339.6569
NaturalGas Unmitigated	1.6494	14.9946	12.5954	0.0900		1.1396	1.1396		1.1396	1.1396		17,993.4762	17,993.4762	0.3449	0.3299	18,100.4025

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	1492.6	0.0161	0.1463	0.1229	8.8000e-004		0.0111	0.0111		0.0111	0.0111		175.6003	175.6003	3.3700e-003	3.2200e-003	176.6438
General Light Industry	1492.6	0.0161	0.1463	0.1229	8.8000e-004		0.0111	0.0111		0.0111	0.0111		175.6003	175.6003	3.3700e-003	3.2200e-003	176.6438
Hospital	119388	1.2875	11.7048	9.8320	0.0702		0.8896	0.8896		0.8896	0.8896		14,045.7051	14,045.7051	0.2692	0.2575	14,129.1717
Hotel	4947.95	0.0534	0.4851	0.4075	2.9100e-003		0.0369	0.0369		0.0369	0.0369		582.1112	582.1112	0.0112	0.0107	585.5704
Medical Office Building	7164.38	0.0773	0.7024	0.5900	4.2100e-003		0.0534	0.0534		0.0534	0.0534		842.8687	842.8687	0.0162	0.0155	847.8774
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	18458.5	0.1991	1.8097	1.5201	0.0109		0.1375	0.1375		0.1375	0.1375		2,171.5907	2,171.5907	0.0416	0.0398	2,184.4953
Total		**1.6494**	**14.9946**	**12.5954**	**0.0900**		**1.1396**	**1.1396**		**1.1396**	**1.1396**		**17,993.4762**	**17,993.4762**	**0.3449**	**0.3299**	**18,100.4025**

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	1.43626	0.0155	0.1408	0.1183	8.4000e-004		0.0107	0.0107		0.0107	0.0107		168.9718	168.9718	3.2400e-003	3.1000e-003	169.9759
General Light Industry	1.43626	0.0155	0.1408	0.1183	8.4000e-004		0.0107	0.0107		0.0107	0.0107		168.9718	168.9718	3.2400e-003	3.1000e-003	169.9759
Hospital	114.32	1.2329	11.2079	9.4146	0.0673		0.8518	0.8518		0.8518	0.8518		13,449.4537	13,449.4537	0.2578	0.2466	13,529.3770
Hotel	4.74226	0.0511	0.4649	0.3905	2.7900e-003		0.0353	0.0353		0.0353	0.0353		557.9130	557.9130	0.0107	0.0102	561.2284
Medical Office Building	6.81952	0.0735	0.6686	0.5616	4.0100e-003		0.0508	0.0508		0.0508	0.0508		802.2965	802.2965	0.0154	0.0147	807.0642
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	17.7618	0.1916	1.7414	1.4627	0.0105		0.1323	0.1323		0.1323	0.1323		2,089.6179	2,089.6179	0.0401	0.0383	2,102.0354
Total		**1.5801**	**14.3644**	**12.0661**	**0.0862**		**1.0917**	**1.0917**		**1.0917**	**1.0917**		**17,237.2247**	**17,237.2247**	**0.3304**	**0.3160**	**17,339.6569**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	32.6450	2.3900e-003	0.2656	2.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004		0.5726	0.5726	1.4800e-003		0.6094
Unmitigated	32.6450	2.3900e-003	0.2656	2.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004		0.5726	0.5726	1.4800e-003		0.6094

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	3.7570					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	28.8638					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0243	2.3900e-003	0.2656	2.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004		0.5726	0.5726	1.4800e-003		0.6094
Total	**32.6450**	**2.3900e-003**	**0.2656**	**2.0000e-005**		**9.4000e-004**	**9.4000e-004**		**9.4000e-004**	**9.4000e-004**		**0.5726**	**0.5726**	**1.4800e-003**		**0.6094**

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	3.7570					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	28.8638					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0243	2.3900e-003	0.2656	2.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004		0.5726	0.5726	1.4800e-003		0.6094
Total	**32.6450**	**2.3900e-003**	**0.2656**	**2.0000e-005**		**9.4000e-004**	**9.4000e-004**		**9.4000e-004**	**9.4000e-004**		**0.5726**	**0.5726**	**1.4800e-003**		**0.6094**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Phase 4_Proposed New

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	670.00	1000sqft	23.40	670,000.00	0
Medical Office Building	250.00	1000sqft	10.06	250,000.00	0
Research & Development	371.00	1000sqft	9.85	371,000.00	0
Enclosed Parking with Elevator	1,200.00	1000sqft	6.76	1,200,000.00	0
Hotel	52.00	Room	1.72	75,000.00	0
General Light Industry	30.00	1000sqft	1.16	30,000.00	0
General Heavy Industry	30.00	1000sqft	0.69	30,000.00	0
Parking Lot	13.22	Acre	13.22	575,800.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2035
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on anticipated phasing plan.

Vehicle Trips - Based on trip generation and trip distance data provided by Fehr & Peers. For purposes of this analysis, all trips are assigned to the Hospital land use.

Fleet Mix - Based on Caltrans vehicle mix data the segment of Interstate 210 west of Interstate 605.

Energy Use - For purposes of this analysis, per the City of Hope, a non-Title 24 electricity rate of 800 kWh per square foot per year is assumed for proposed data center.

Water And Wastewater - Based on information provided by KPFF. Assumes no septic tanks of facultive lagoons. Assumes proportion indoor/outdoor water use for land uses for purposes of this analysis.

Solid Waste - Based on information provided in Chapter 5.16, Utilities and Service Systems, of the DEIR.

Energy Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblEnergyUse	NT24E	5.75	800.00
tblFleetMix	HHD	0.04	0.04
tblFleetMix	LDA	0.54	0.62
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT2	0.21	0.24
tblFleetMix	LHD1	0.01	3.2270e-003
tblFleetMix	LHD2	6.4400e-003	1.5540e-003
tblFleetMix	MCY	5.3240e-003	6.1370e-003
tblFleetMix	MDV	0.12	0.03
tblFleetMix	MH	8.0700e-004	1.9500e-004
tblFleetMix	MHD	0.02	5.3100e-003
tblFleetMix	OBUS	2.7030e-003	6.5200e-004
tblFleetMix	SBUS	7.3200e-004	1.7700e-004
tblFleetMix	UBUS	1.6290e-003	3.9300e-004
tblLandUse	BuildingSpaceSquareFeet	75,504.00	75,000.00
tblLandUse	BuildingSpaceSquareFeet	575,863.20	575,800.00

tblLandUse	LandUseSquareFeet	75,504.00	75,000.00
tblLandUse	LandUseSquareFeet	575,863.20	575,800.00
tblLandUse	LotAcreage	15.38	23.40
tblLandUse	LotAcreage	5.74	10.06
tblLandUse	LotAcreage	8.52	9.85
tblLandUse	LotAcreage	27.55	6.76
tblLandUse	LotAcreage	1.73	1.72
tblLandUse	LotAcreage	0.69	1.16
tblProjectCharacteristics	OperationalYear	2018	2035
tblSolidWaste	SolidWasteGenerationRate	37.20	72.00
tblSolidWaste	SolidWasteGenerationRate	37.20	72.00
tblSolidWaste	SolidWasteGenerationRate	7,236.00	7,214.00
tblSolidWaste	SolidWasteGenerationRate	28.47	246.00
tblSolidWaste	SolidWasteGenerationRate	2,700.00	274.00
tblSolidWaste	SolidWasteGenerationRate	28.19	880.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	16.10	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	14.30
tblVehicleTrips	CW_TTP	64.90	100.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PR_TP	73.00	100.00
tblVehicleTrips	ST_TR	1.50	0.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	10.18	12.84
tblVehicleTrips	ST_TR	8.19	0.00

tblVehicleTrips	ST_TR	8.96	0.00
tblVehicleTrips	ST_TR	1.90	0.00
tblVehicleTrips	SU_TR	1.50	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	8.91	12.84
tblVehicleTrips	SU_TR	5.95	0.00
tblVehicleTrips	SU_TR	1.55	0.00
tblVehicleTrips	SU_TR	1.11	0.00
tblVehicleTrips	WD_TR	1.50	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	13.22	12.84
tblVehicleTrips	WD_TR	8.17	0.00
tblVehicleTrips	WD_TR	36.13	0.00
tblVehicleTrips	WD_TR	8.11	0.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	6,937,500.00	17,588,438.00
tblWater	IndoorWaterUseRate	6,937,500.00	17,588,438.00

tblWater	IndoorWaterUseRate	84,071,960.16	17,588,438.00
tblWater	IndoorWaterUseRate	1,319,072.04	17,588,438.00
tblWater	IndoorWaterUseRate	31,370,134.39	17,588,438.00
tblWater	IndoorWaterUseRate	182,418,454.41	17,588,438.00
tblWater	OutdoorWaterUseRate	0.00	1,954,271.00
tblWater	OutdoorWaterUseRate	0.00	1,954,271.00
tblWater	OutdoorWaterUseRate	16,013,706.70	1,954,271.00
tblWater	OutdoorWaterUseRate	146,563.56	1,954,271.00
tblWater	OutdoorWaterUseRate	5,975,263.69	1,954,271.00
tblWater	OutdoorWaterUseRate	0.00	1,954,271.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

2.0 Emissions Summary

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	32.6450	2.3900e-003	0.2656	2.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004		0.5726	0.5726	1.4800e-003		0.6094
Energy	1.6494	14.9946	12.5954	0.0900		1.1396	1.1396		1.1396	1.1396		17,993.4762	17,993.4762	0.3449	0.3299	18,100.4025
Mobile	10.6437	54.5378	154.4790	0.7663	94.2878	0.4029	94.6907	25.0755	0.3734	25.4489		78,426.8318	78,426.8318	3.1173		78,504.7647
Total	**44.9381**	**69.5347**	**167.3400**	**0.8563**	**94.2878**	**1.5434**	**95.8312**	**25.0755**	**1.5140**	**26.5894**		**96,420.8806**	**96,420.8806**	**3.4637**	**0.3299**	**96,605.7766**

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	32.6450	2.3900e-003	0.2656	2.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004		0.5726	0.5726	1.4800e-003		0.6094
Energy	1.5801	14.3644	12.0661	0.0862		1.0917	1.0917		1.0917	1.0917		17,237.2247	17,237.2247	0.3304	0.3160	17,339.6569
Mobile	10.6437	54.5378	154.4790	0.7663	94.2878	0.4029	94.6907	25.0755	0.3734	25.4489		78,426.8318	78,426.8318	3.1173		78,504.7647
Total	**44.8688**	**68.9045**	**166.8107**	**0.8526**	**94.2878**	**1.4955**	**95.7833**	**25.0755**	**1.4661**	**26.5415**		**95,664.6290**	**95,664.6290**	**3.4492**	**0.3160**	**95,845.0310**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.15**	**0.91**	**0.32**	**0.44**	**0.00**	**3.10**	**0.05**	**0.00**	**3.16**	**0.18**	**0.00**	**0.78**	**0.78**	**0.42**	**4.20**	**0.79**

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	10.6437	54.5378	154.4790	0.7663	94.2878	0.4029	94.6907	25.0755	0.3734	25.4489		78,426.8318	78,426.8318	3.1173		78,504.7647
Unmitigated	10.6437	54.5378	154.4790	0.7663	94.2878	0.4029	94.6907	25.0755	0.3734	25.4489		78,426.8318	78,426.8318	3.1173		78,504.7647

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Heavy Industry	0.00	0.00	0.00		
General Light Industry	0.00	0.00	0.00		
Hospital	8,602.80	8,602.80	8602.80	44,779,295	44,779,295
Hotel	0.00	0.00	0.00		
Medical Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Research & Development	0.00	0.00	0.00		
Total	8,602.80	8,602.80	8,602.80	44,779,295	44,779,295

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
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Heavy Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Hospital	14.30	0.00	0.00	100.00	0.00	0.00	100	0	0
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Research & Development	16.60	8.40	6.90	33.00	48.00	19.00	82	15	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hospital	0.622334	0.050426	0.243102	0.026012	0.003227	0.001554	0.005310	0.040482	0.000652	0.000393	0.006137	0.000177	0.000195
Medical Office Building	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
Research & Development	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
Enclosed Parking with Elevator	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
Hotel	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
General Light Industry	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
General Heavy Industry	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
Parking Lot	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807

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	1.5801	14.3644	12.0661	0.0862		1.0917	1.0917		1.0917	1.0917		17,237.2247	17,237.2247	0.3304	0.3160	17,339.6569
NaturalGas Unmitigated	1.6494	14.9946	12.5954	0.0900		1.1396	1.1396		1.1396	1.1396		17,993.4762	17,993.4762	0.3449	0.3299	18,100.4025

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	1492.6	0.0161	0.1463	0.1229	8.8000e-004		0.0111	0.0111		0.0111	0.0111		175.6003	175.6003	3.3700e-003	3.2200e-003	176.6438
General Light Industry	1492.6	0.0161	0.1463	0.1229	8.8000e-004		0.0111	0.0111		0.0111	0.0111		175.6003	175.6003	3.3700e-003	3.2200e-003	176.6438
Hospital	119388	1.2875	11.7048	9.8320	0.0702		0.8896	0.8896		0.8896	0.8896		14,045.705	14,045.705	0.2692	0.2575	14,129.171
Hotel	4947.95	0.0534	0.4851	0.4075	2.9100e-003		0.0369	0.0369		0.0369	0.0369		582.1112	582.1112	0.0112	0.0107	585.5704
Medical Office Building	7164.38	0.0773	0.7024	0.5900	4.2100e-003		0.0534	0.0534		0.0534	0.0534		842.8687	842.8687	0.0162	0.0155	847.8774
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	18458.5	0.1991	1.8097	1.5201	0.0109		0.1375	0.1375		0.1375	0.1375		2,171.5907	2,171.5907	0.0416	0.0398	2,184.4953
Total		**1.6494**	**14.9946**	**12.5954**	**0.0900**		**1.1396**	**1.1396**		**1.1396**	**1.1396**		**17,993.4762**	**17,993.4762**	**0.3449**	**0.3299**	**18,100.4025**

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	1.43626	0.0155	0.1408	0.1183	8.4000e-004		0.0107	0.0107		0.0107	0.0107		168.9718	168.9718	3.2400e-003	3.1000e-003	169.9759
General Light Industry	1.43626	0.0155	0.1408	0.1183	8.4000e-004		0.0107	0.0107		0.0107	0.0107		168.9718	168.9718	3.2400e-003	3.1000e-003	169.9759
Hospital	114.32	1.2329	11.2079	9.4146	0.0673		0.8518	0.8518		0.8518	0.8518		13,449.4537	13,449.4537	0.2578	0.2466	13,529.3770
Hotel	4.74226	0.0511	0.4649	0.3905	2.7900e-003		0.0353	0.0353		0.0353	0.0353		557.9130	557.9130	0.0107	0.0102	561.2284
Medical Office Building	6.81952	0.0735	0.6686	0.5616	4.0100e-003		0.0508	0.0508		0.0508	0.0508		802.2965	802.2965	0.0154	0.0147	807.0642
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	17.7618	0.1916	1.7414	1.4627	0.0105		0.1323	0.1323		0.1323	0.1323		2,089.6179	2,089.6179	0.0401	0.0383	2,102.0354
Total		**1.5801**	**14.3644**	**12.0661**	**0.0862**		**1.0917**	**1.0917**		**1.0917**	**1.0917**		**17,237.2247**	**17,237.2247**	**0.3304**	**0.3160**	**17,339.6569**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	32.6450	2.3900e-003	0.2656	2.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004		0.5726	0.5726	1.4800e-003		0.6094
Unmitigated	32.6450	2.3900e-003	0.2656	2.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004		0.5726	0.5726	1.4800e-003		0.6094

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	3.7570					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	28.8638					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0243	2.3900e-003	0.2656	2.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004		0.5726	0.5726	1.4800e-003		0.6094
Total	**32.6450**	**2.3900e-003**	**0.2656**	**2.0000e-005**		**9.4000e-004**	**9.4000e-004**		**9.4000e-004**	**9.4000e-004**		**0.5726**	**0.5726**	**1.4800e-003**		**0.6094**

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	3.7570					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	28.8638					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0243	2.3900e-003	0.2656	2.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004		0.5726	0.5726	1.4800e-003		0.6094
Total	**32.6450**	**2.3900e-003**	**0.2656**	**2.0000e-005**		**9.4000e-004**	**9.4000e-004**		**9.4000e-004**	**9.4000e-004**		**0.5726**	**0.5726**	**1.4800e-003**		**0.6094**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Phase 4_Proposed New

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	670.00	1000sqft	23.40	670,000.00	0
Medical Office Building	250.00	1000sqft	10.06	250,000.00	0
Research & Development	371.00	1000sqft	9.85	371,000.00	0
Enclosed Parking with Elevator	1,200.00	1000sqft	6.76	1,200,000.00	0
Hotel	52.00	Room	1.72	75,000.00	0
General Light Industry	30.00	1000sqft	1.16	30,000.00	0
General Heavy Industry	30.00	1000sqft	0.69	30,000.00	0
Parking Lot	13.22	Acre	13.22	575,800.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2035
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on anticipated phasing plan.

Vehicle Trips - Based on trip generation and trip distance data provided by Fehr & Peers. For purposes of this analysis, all trips are assigned to the Hospital land use.
Fleet Mix - Based on Caltrans vehicle mix data the segment of Interstate 210 west of Interstate 605.

Energy Use - For purposes of this analysis, per the City of Hope, a non-Title 24 electricity rate of 800 kWh per square foot per year is assumed for proposed data center.
Water And Wastewater - Based on information provided by KPFF. Assumes no septic tanks of facultive lagoons. Assumes proportion indoor/outdoor water use for land uses for purposes of this analysis.
Solid Waste - Based on information provided in Chapter 5.16, Utilities and Service Systems, of the DEIR.

Energy Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblEnergyUse	NT24E	5.75	800.00
tblFleetMix	HHD	0.04	0.04
tblFleetMix	LDA	0.54	0.62
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT2	0.21	0.24
tblFleetMix	LHD1	0.01	3.2270e-003
tblFleetMix	LHD2	6.4400e-003	1.5540e-003
tblFleetMix	MCY	5.3240e-003	6.1370e-003
tblFleetMix	MDV	0.12	0.03
tblFleetMix	MH	8.0700e-004	1.9500e-004
tblFleetMix	MHD	0.02	5.3100e-003
tblFleetMix	OBUS	2.7030e-003	6.5200e-004
tblFleetMix	SBUS	7.3200e-004	1.7700e-004
tblFleetMix	UBUS	1.6290e-003	3.9300e-004
tblLandUse	BuildingSpaceSquareFeet	75,504.00	75,000.00

tblLandUse	BuildingSpaceSquareFeet	575,863.20	575,800.00
tblLandUse	LandUseSquareFeet	75,504.00	75,000.00
tblLandUse	LandUseSquareFeet	575,863.20	575,800.00
tblLandUse	LotAcreage	15.38	23.40
tblLandUse	LotAcreage	5.74	10.06
tblLandUse	LotAcreage	8.52	9.85
tblLandUse	LotAcreage	27.55	6.76
tblLandUse	LotAcreage	1.73	1.72
tblLandUse	LotAcreage	0.69	1.16
tblProjectCharacteristics	OperationalYear	2018	2035
tblSolidWaste	SolidWasteGenerationRate	37.20	72.00
tblSolidWaste	SolidWasteGenerationRate	37.20	72.00
tblSolidWaste	SolidWasteGenerationRate	7,236.00	7,214.00
tblSolidWaste	SolidWasteGenerationRate	28.47	246.00
tblSolidWaste	SolidWasteGenerationRate	2,700.00	274.00
tblSolidWaste	SolidWasteGenerationRate	28.19	880.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	16.10	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	14.30
tblVehicleTrips	CW_TTP	64.90	100.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PR_TP	73.00	100.00
tblVehicleTrips	ST_TR	1.50	0.00
tblVehicleTrips	ST_TR	1.32	0.00

tblVehicleTrips	ST_TR	10.18	12.84
tblVehicleTrips	ST_TR	8.19	0.00
tblVehicleTrips	ST_TR	8.96	0.00
tblVehicleTrips	ST_TR	1.90	0.00
tblVehicleTrips	SU_TR	1.50	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	8.91	12.84
tblVehicleTrips	SU_TR	5.95	0.00
tblVehicleTrips	SU_TR	1.55	0.00
tblVehicleTrips	SU_TR	1.11	0.00
tblVehicleTrips	WD_TR	1.50	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	13.22	12.84
tblVehicleTrips	WD_TR	8.17	0.00
tblVehicleTrips	WD_TR	36.13	0.00
tblVehicleTrips	WD_TR	8.11	0.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00

tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	6,937,500.00	17,588,438.00
tblWater	IndoorWaterUseRate	6,937,500.00	17,588,438.00
tblWater	IndoorWaterUseRate	84,071,960.16	17,588,438.00
tblWater	IndoorWaterUseRate	1,319,072.04	17,588,438.00
tblWater	IndoorWaterUseRate	31,370,134.39	17,588,438.00
tblWater	IndoorWaterUseRate	182,418,454.41	17,588,438.00
tblWater	OutdoorWaterUseRate	0.00	1,954,271.00
tblWater	OutdoorWaterUseRate	0.00	1,954,271.00
tblWater	OutdoorWaterUseRate	16,013,706.70	1,954,271.00
tblWater	OutdoorWaterUseRate	146,563.56	1,954,271.00
tblWater	OutdoorWaterUseRate	5,975,263.69	1,954,271.00
tblWater	OutdoorWaterUseRate	0.00	1,954,271.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

2.0 Emissions Summary

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	5.9563	3.0000e-004	0.0332	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	0.0649	0.0649	1.7000e-004	0.0000	0.0691
Energy	0.3010	2.7365	2.2987	0.0164		0.2080	0.2080		0.2080	0.2080	0.0000	21,111.0228	21,111.0228	0.8057	0.2095	21,193.5934
Mobile	1.9063	10.1021	28.5735	0.1414	16.8259	0.0732	16.8990	4.4816	0.0678	4.5494	0.0000	13,131.9574	13,131.9574	0.5119	0.0000	13,144.7559
Waste						0.0000	0.0000		0.0000	0.0000	1,777.7949	0.0000	1,777.7949	105.0647	0.0000	4,404.4115
Water						0.0000	0.0000		0.0000	0.0000	37.3369	479.3296	516.6665	0.1483	0.0853	545.7904
Total	**8.1636**	**12.8389**	**30.9053**	**0.1579**	**16.8259**	**0.2813**	**17.1071**	**4.4816**	**0.2759**	**4.7575**	**1,815.1318**	**34,722.3747**	**36,537.5065**	**106.5308**	**0.2948**	**39,288.6202**

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	5.9563	3.0000e-004	0.0332	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	0.0649	0.0649	1.7000e-004	0.0000	0.0691
Energy	0.2884	2.6215	2.2021	0.0157		0.1992	0.1992		0.1992	0.1992	0.0000	20,760.8389	20,760.8389	0.7940	0.2053	20,841.8606
Mobile	1.9063	10.1021	28.5735	0.1414	16.8259	0.0732	16.8990	4.4816	0.0678	4.5494	0.0000	13,131.9574	13,131.9574	0.5119	0.0000	13,144.7559
Waste						0.0000	0.0000		0.0000	0.0000	1,777.7949	0.0000	1,777.7949	105.0647	0.0000	4,404.4115
Water						0.0000	0.0000		0.0000	0.0000	29.8695	389.2332	419.1027	0.1189	0.0683	442.4224
Total	**8.1510**	**12.7239**	**30.8087**	**0.1572**	**16.8259**	**0.2725**	**17.0984**	**4.4816**	**0.2672**	**4.7488**	**1,807.6644**	**34,282.0944**	**36,089.7588**	**106.4896**	**0.2736**	**38,833.5195**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.16**	**0.90**	**0.31**	**0.44**	**0.00**	**3.11**	**0.05**	**0.00**	**3.17**	**0.18**	**0.41**	**1.27**	**1.23**	**0.04**	**7.20**	**1.16**

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	1.9063	10.1021	28.5735	0.1414	16.8259	0.0732	16.8990	4.4816	0.0678	4.5494	0.0000	13,131.9574	13,131.9574	0.5119	0.0000	13,144.7559
Unmitigated	1.9063	10.1021	28.5735	0.1414	16.8259	0.0732	16.8990	4.4816	0.0678	4.5494	0.0000	13,131.9574	13,131.9574	0.5119	0.0000	13,144.7559

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Heavy Industry	0.00	0.00	0.00		
General Light Industry	0.00	0.00	0.00		
Hospital	8,602.80	8,602.80	8602.80	44,779,295	44,779,295
Hotel	0.00	0.00	0.00		
Medical Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Research & Development	0.00	0.00	0.00		
Total	8,602.80	8,602.80	8,602.80	44,779,295	44,779,295

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
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Heavy Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Hospital	14.30	0.00	0.00	100.00	0.00	0.00	100	0	0
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Research & Development	16.60	8.40	6.90	33.00	48.00	19.00	82	15	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hospital	0.622334	0.050426	0.243102	0.026012	0.003227	0.001554	0.005310	0.040482	0.000652	0.000393	0.006137	0.000177	0.000195
Medical Office Building	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
Research & Development	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
Enclosed Parking with Elevator	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
Hotel	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
General Light Industry	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
General Heavy Industry	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
Parking Lot	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807

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	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	17,907.0230	17,907.0230	0.7393	0.1530	17,971.0859
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	18,132.0010	18,132.0010	0.7486	0.1549	18,196.8687
NaturalGas Mitigated	0.2884	2.6215	2.2021	0.0157		0.1992	0.1992		0.1992	0.1992	0.0000	2,853.8159	2,853.8159	0.0547	0.0523	2,870.7747
NaturalGas Unmitigated	0.3010	2.7365	2.2987	0.0164		0.2080	0.2080		0.2080	0.2080	0.0000	2,979.0218	2,979.0218	0.0571	0.0546	2,996.7246

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	544800	2.9400e-003	0.0267	0.0224	1.6000e-004		2.0300e-003	2.0300e-003		2.0300e-003	2.0300e-003	0.0000	29.0726	29.0726	5.6000e-004	5.3000e-004	29.2454
General Light Industry	544800	2.9400e-003	0.0267	0.0224	1.6000e-004		2.0300e-003	2.0300e-003		2.0300e-003	2.0300e-003	0.0000	29.0726	29.0726	5.6000e-004	5.3000e-004	29.2454
Hospital	4.35768e+007	0.2350	2.1361	1.7943	0.0128		0.1623	0.1623		0.1623	0.1623	0.0000	2,325.4240	2,325.4240	0.0446	0.0426	2,339.2428
Hotel	1.806e+006	9.7400e-003	0.0885	0.0744	5.3000e-004		6.7300e-003	6.7300e-003		6.7300e-003	6.7300e-003	0.0000	96.3750	96.3750	1.8500e-003	1.7700e-003	96.9478
Medical Office Building	2.615e+006	0.0141	0.1282	0.1077	7.7000e-004		9.7400e-003	9.7400e-003		9.7400e-003	9.7400e-003	0.0000	139.5464	139.5464	2.6700e-003	2.5600e-003	140.3756
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	6.73736e+006	0.0363	0.3303	0.2774	1.9800e-003		0.0251	0.0251		0.0251	0.0251	0.0000	359.5312	359.5312	6.8900e-003	6.5900e-003	361.6677
Total		**0.3010**	**2.7365**	**2.2987**	**0.0164**		**0.2080**	**0.2080**		**0.2080**	**0.2080**	**0.0000**	**2,979.0218**	**2,979.0218**	**0.0571**	**0.0546**	**2,996.7246**

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	524235	2.8300e-003	0.0257	0.0216	1.5000e-004		1.9500e-003	1.9500e-003		1.9500e-003	1.9500e-003	0.0000	27.9752	27.9752	5.4000e-004	5.1000e-004	28.1414
General Light Industry	524235	2.8300e-003	0.0257	0.0216	1.5000e-004		1.9500e-003	1.9500e-003		1.9500e-003	1.9500e-003	0.0000	27.9752	27.9752	5.4000e-004	5.1000e-004	28.1414
Hospital	4.17269e+007	0.2250	2.0454	1.7182	0.0123		0.1555	0.1555		0.1555	0.1555	0.0000	2,226.7079	2,226.7079	0.0427	0.0408	2,239.9401
Hotel	1.73092e+006	9.3300e-003	0.0849	0.0713	5.1000e-004		6.4500e-003	6.4500e-003		6.4500e-003	6.4500e-003	0.0000	92.3688	92.3688	1.7700e-003	1.6900e-003	92.9177
Medical Office Building	2.48913e+006	0.0134	0.1220	0.1025	7.3000e-004		9.2700e-003	9.2700e-003		9.2700e-003	9.2700e-003	0.0000	132.8292	132.8292	2.5500e-003	2.4400e-003	133.6185
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Research & Development	6.48304e+006	0.0350	0.3178	0.2670	1.9100e-003		0.0242	0.0242		0.0242	0.0242	0.0000	345.9597	345.9597	6.6300e-003	6.3400e-003	348.0155
Total		**0.2884**	**2.6215**	**2.2021**	**0.0157**		**0.1992**	**0.1992**		**0.1992**	**0.1992**	**0.0000**	**2,853.8159**	**2,853.8159**	**0.0547**	**0.0523**	**2,870.7747**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	8.088e+006	2,577.0101	0.1064	0.0220	2,586.2294
General Heavy Industry	2.41668e+007	7,700.0602	0.3179	0.0658	7,727.6074
General Light Industry	339300	108.1083	4.4600e-003	9.2000e-004	108.4950
Hospital	1.56981e+007	5,001.7510	0.2065	0.0427	5,019.6449
Hotel	582750	185.6766	7.6700e-003	1.5900e-003	186.3409
Medical Office Building	3.33e+006	1,061.0093	0.0438	9.0600e-003	1,064.8051
Parking Lot	506704	161.4468	6.6700e-003	1.3800e-003	162.0243
Research & Development	4.19601e+006	1,336.9387	0.0552	0.0114	1,341.7216
Total		**18,132.0010**	**0.7486**	**0.1549**	**18,196.8687**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	7.8528e+006	2,502.0703	0.1033	0.0214	2,511.0216
General Heavy Industry	2.41633e+007	7,698.9323	0.3179	0.0658	7,726.4755
General Light Industry	335760	106.9803	4.4200e-003	9.1000e-004	107.3631
Hospital	1.53484e+007	4,890.3163	0.2019	0.0418	4,907.8116
Hotel	572700	182.4745	7.5300e-003	1.5600e-003	183.1273
Medical Office Building	3.26975e+006	1,041.8124	0.0430	8.9000e-003	1,045.5395
Parking Lot	506704	161.4468	6.6700e-003	1.3800e-003	162.0243
Research & Development	4.15223e+006	1,322.9901	0.0546	0.0113	1,327.7231
Total		**17,907.0230**	**0.7393**	**0.1530**	**17,971.0859**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	5.9563	3.0000e-004	0.0332	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	0.0649	0.0649	1.7000e-004	0.0000	0.0691
Unmitigated	5.9563	3.0000e-004	0.0332	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	0.0649	0.0649	1.7000e-004	0.0000	0.0691

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.6856					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.2676					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0400e-003	3.0000e-004	0.0332	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	0.0649	0.0649	1.7000e-004	0.0000	0.0691
Total	**5.9563**	**3.0000e-004**	**0.0332**	**0.0000**		**1.2000e-004**	**1.2000e-004**		**1.2000e-004**	**1.2000e-004**	**0.0000**	**0.0649**	**0.0649**	**1.7000e-004**	**0.0000**	**0.0691**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.6856					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.2676					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0400e-003	3.0000e-004	0.0332	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	0.0649	0.0649	1.7000e-004	0.0000	0.0691
Total	**5.9563**	**3.0000e-004**	**0.0332**	**0.0000**		**1.2000e-004**	**1.2000e-004**		**1.2000e-004**	**1.2000e-004**	**0.0000**	**0.0649**	**0.0649**	**1.7000e-004**	**0.0000**	**0.0691**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	419.1027	0.1189	0.0683	442.4224
Unmitigated	516.6665	0.1483	0.0853	545.7904

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	17.5884 / 1.95427	86.1111	0.0247	0.0142	90.9651
General Light Industry	17.5884 / 1.95427	86.1111	0.0247	0.0142	90.9651
Hospital	17.5884 / 1.95427	86.1111	0.0247	0.0142	90.9651
Hotel	17.5884 / 1.95427	86.1111	0.0247	0.0142	90.9651
Medical Office Building	17.5884 / 1.95427	86.1111	0.0247	0.0142	90.9651
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Research & Development	17.5884 / 1.95427	86.1111	0.0247	0.0142	90.9651
Total		**516.6665**	**0.1483**	**0.0853**	**545.7904**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	14.0708 / 1.83506	69.8505	0.0198	0.0114	73.7371
General Light Industry	14.0708 / 1.83506	69.8505	0.0198	0.0114	73.7371
Hospital	14.0708 / 1.83506	69.8505	0.0198	0.0114	73.7371
Hotel	14.0708 / 1.83506	69.8505	0.0198	0.0114	73.7371
Medical Office Building	14.0708 / 1.83506	69.8505	0.0198	0.0114	73.7371
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Research & Development	14.0708 / 1.83506	69.8505	0.0198	0.0114	73.7371
Total		**419.1028**	**0.1189**	**0.0683**	**442.4224**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	1,777.7949	105.0647	0.0000	4,404.4115
Unmitigated	1,777.7949	105.0647	0.0000	4,404.4115

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	72	14.6154	0.8637	0.0000	36.2089
General Light Industry	72	14.6154	0.8637	0.0000	36.2089
Hospital	7214	1,464.3768	86.5422	0.0000	3,627.9316
Hotel	246	49.9358	2.9511	0.0000	123.7138
Medical Office Building	274	55.6195	3.2870	0.0000	137.7950
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Research & Development	880	178.6321	10.5569	0.0000	442.5533
Total		**1,777.7949**	**105.0647**	**0.0000**	**4,404.4115**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	72	14.6154	0.8637	0.0000	36.2089
General Light Industry	72	14.6154	0.8637	0.0000	36.2089
Hospital	7214	1,464.3768	86.5422	0.0000	3,627.9316
Hotel	246	49.9358	2.9511	0.0000	123.7138
Medical Office Building	274	55.6195	3.2870	0.0000	137.7950
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Research & Development	880	178.6321	10.5569	0.0000	442.5533
Total		**1,777.7949**	**105.0647**	**0.0000**	**4,404.4115**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Phase 4_Proposed New

Los Angeles-South Coast, Summary Report

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	670.00	1000sqft	23.40	670,000.00	0
Medical Office Building	250.00	1000sqft	10.06	250,000.00	0
Research & Development	371.00	1000sqft	9.85	371,000.00	0
Enclosed Parking with Elevator	1,200.00	1000sqft	6.76	1,200,000.00	0
Hotel	52.00	Room	1.72	75,000.00	0
General Light Industry	30.00	1000sqft	1.16	30,000.00	0
General Heavy Industry	30.00	1000sqft	0.69	30,000.00	0
Parking Lot	13.22	Acre	13.22	575,800.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2035
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments

Only CalEEMod defaults were used.

Project Characteristics -

Land Use - Based on anticipated phasing plan.

Vehicle Trips - Based on trip generation and trip distance data provided by Fehr & Peers. For purposes of this analysis, all trips are assigned to the Hospital land use.

Fleet Mix - Based on Caltrans vehicle mix data the segment of Interstate 210 west of Interstate 605.

Energy Use - For purposes of this analysis, per the City of Hope, a non-Title 24 electricity rate of 800 kWh per square foot per year is assumed for proposed data center.

Water And Wastewater - Based on information provided by KPFF. Assumes no septic tanks of facultive lagoons. Assumes proportion indoor/outdoor water use for land uses for purposes of this analysis.

Solid Waste - Based on information provided in Chapter 5.16, Utilities and Service Systems, of the DEIR.

Energy Mitigation -

Water Mitigation -

2.0 Peak Daily Emissions

Peak Daily Operational Emissions

Peak Daily Operational Emissions

		Unmitigated						Mitigated					
		ROG	NOX	CO	SO2	PM10	PM2.5	ROG	NOX	CO	SO2	PM10	PM2.5
	Operational Activity	lb/day											
On-Site	Area	32.6450 S	2.3900e-003 S	0.2656 S	2.0000e-005 S	9.4000e-004 S	9.4000e-004 S	32.6450 S	2.3900e-003 S	0.2656 S	2.0000e-005 S	9.4000e-004 S	9.4000e-004 S
On-Site	Energy	1.6494 S	14.9946 S	12.5954 S	0.0900 S	1.1396 S	1.1396 S	1.5801 S	14.3644 S	12.0661 S	0.0862 S	1.0917 S	1.0917 S
Off-Site	Mobile	10.8698 S	54.5378 W	164.4078 S	0.8056 S	94.6907 W	25.4489 W	10.8698 S	54.5378 W	164.4078 S	0.8056 S	94.6907 W	25.4489 W
	Peak Daily Total	45.1643 S	69.5347 W	177.2688 S	0.8956 S	95.8312 W	26.5894 W	45.0949 S	68.9045 W	176.7394 S	0.8919 S	95.7833 W	26.5415 W
	Air District Threshold												
	Exceed Significance?												

3.0 Annual GHG Emissions

Annual GHG

Annual GHG

		Unmitigated				Mitigated			
		CO2	CH4	N2O	CO2e	CO2	CH4	N2O	CO2e
GHG Activity	Year	MT/yr							
Operational	2035	36,537.5064	106.5307	0.2948	39,288.6223	36,089.7588	106.4896	0.2736	38,833.5210
	Total								
	Significance Threshold								
	Exceed Significance?								

Phase 4_Proposed New

Los Angeles-South Coast County, Mitigation Report

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.24	1.24	1.24	1.24	1.24
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas	4.21	4.20	4.20	4.20	4.20	4.20	0.00	4.20	4.20	4.19	4.21	4.20
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	20.00	18.80	18.88	19.84	19.94	18.94
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting:

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value 3
No	Land Use	Increase Density	0.00			
No	Land Use	Increase Diversity	0.13	0.37		
No	Land Use	Improve Walkability Design	0.00			
No	Land Use	Improve Destination Accessibility	0.00			
No	Land Use	Increase Transit Accessibility	0.25			

No	Land Use	Integrate Below Market Rate Housing	0.00			
	Land Use	Land Use SubTotal	0.00			
No	Neighborhood Enhancements	Improve Pedestrian Network				
No	Neighborhood Enhancements	Provide Traffic Calming Measures				
No	Neighborhood Enhancements	Implement NEV Network	0.00			
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00			
No	Parking Policy Pricing	Limit Parking Supply	0.00			
No	Parking Policy Pricing	Unbundle Parking Costs	0.00			
No	Parking Policy Pricing	On-street Market Pricing	0.00			
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00			
No	Transit Improvements	Provide BRT System	0.00			
No	Transit Improvements	Expand Transit Network	0.00			
No	Transit Improvements	Increase Transit Frequency	0.00			
	Transit Improvements	Transit Improvements Subtotal	0.00			
		Land Use and Site Enhancement Subtotal	0.00			
No	Commute	Implement Trip Reduction Program				
No	Commute	Transit Subsidy				
No	Commute	Implement Employee Parking "Cash Out"				
No	Commute	Workplace Parking Charge				
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00			
No	Commute	Market Commute Trip Reduction Option	0.00			
No	Commute	Employee Vanpool/Shuttle	0.00		2.00	
No	Commute	Provide Ride Sharing Program				
	Commute	Commute Subtotal	0.00			
No	School Trip	Implement School Bus Program	0.00			
		Total VMT Reduction	0.00			

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
No	No Hearth	
No	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	50.00
No	Use Low VOC Paint (Residential Exterior)	50.00
No	Use Low VOC Paint (Non-residential Interior)	100.00
No	Use Low VOC Paint (Non-residential Exterior)	100.00
No	Use Low VOC Paint (Parking)	100.00
No	% Electric Lawnmower	
No	% Electric Leafblower	
No	% Electric Chainsaw	

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
Yes	Exceed Title 24	5.00	
No	Install High Efficiency Lighting		
No	On-site Renewable		

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Apply Water Conservation on Strategy	0.00	0.00
No	Use Reclaimed Water	0.00	0.00
No	Use Grey Water	0.00	
Yes	Install low-flow bathroom faucet	32.00	
Yes	Install low-flow Kitchen faucet	18.00	
Yes	Install low-flow Toilet	20.00	
Yes	Install low-flow Shower	20.00	
No	Turf Reduction	0.00	
Yes	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape	0.00	0.00

Solid Waste Mitigation

Mitigation Measures	Input Value
Institute Recycling and Composting Services	
Percent Reduction in Waste Disposed	

CalEEMod Output: Operation – Boiler (Phase 2)

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Phase 2 Boiler Installation

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Commercial	1.00	User Defined Unit	0.00	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase -

Stationary Sources - Process Boilers - Based on information provided by LSA and data for the existing boilers operating within the City of Hope Central Utilities Plant.

Table Name	Column Name	Default Value	New Value
tblProjectCharacteristics	OperationalYear	2018	2025

tblStationaryBoilersUse	AnnualHeatInput	0.00	49,003.00
tblStationaryBoilersUse	BoilerRatingValue	0.00	4.00
tblStationaryBoilersUse	DailyHeatInput	0.00	131.79
tblStationaryBoilersUse	NumberOfEquipment	0.00	1.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Stationary	0.7106	1.4497	12.6624	0.0775		0.9820	0.9820		0.9820	0.9820		15,504.9708	15,504.9708	0.2972		15,512.4003
Total	**0.7107**	**1.4497**	**12.6625**	**0.0775**	**0.0000**	**0.9820**	**0.9820**	**0.0000**	**0.9820**	**0.9820**		**15,504.9710**	**15,504.9710**	**0.2972**	**0.0000**	**15,512.4005**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Stationary	0.7106	1.4497	12.6624	0.0775		0.9820	0.9820		0.9820	0.9820		15,504.9708	15,504.9708	0.2972		15,512.4003
Total	**0.7107**	**1.4497**	**12.6625**	**0.0775**	**0.0000**	**0.9820**	**0.9820**	**0.0000**	**0.9820**	**0.9820**		**15,504.9710**	**15,504.9710**	**0.2972**	**0.0000**	**15,512.4005**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
Boiler	1	131.79	49003	4	CNG

User Defined Equipment

Equipment Type	Number

10.1 Stationary Sources

Unmitigated/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
Equipment Type	lb/day										lb/day					
Boiler - CNG (2 - 5 MMBTU)	0.7106	1.4497	12.6624	0.0775		0.9820	0.9820		0.9820	0.9820		15,504.9708	15,504.9708	0.2972		15,512.4003
Total	**0.7106**	**1.4497**	**12.6624**	**0.0775**		**0.9820**	**0.9820**		**0.9820**	**0.9820**		**15,504.9708**	**15,504.9708**	**0.2972**		**15,512.4003**

Phase 2 Boiler Installation

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Commercial	1.00	User Defined Unit	0.00	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase -

Stationary Sources - Process Boilers - Based on information provided by LSA and data for the existing boilers operating within the City of Hope Central Utilities Plant.

Table Name	Column Name	Default Value	New Value
tblProjectCharacteristics	OperationalYear	2018	2025

tblStationaryBoilersUse	AnnualHeatInput	0.00	49,003.00
tblStationaryBoilersUse	BoilerRatingValue	0.00	4.00
tblStationaryBoilersUse	DailyHeatInput	0.00	131.79
tblStationaryBoilersUse	NumberOfEquipment	0.00	1.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Stationary	0.7106	1.4497	12.6624	0.0775		0.9820	0.9820		0.9820	0.9820		15,504.9708	15,504.9708	0.2972		15,512.4003
Total	**0.7107**	**1.4497**	**12.6625**	**0.0775**	**0.0000**	**0.9820**	**0.9820**	**0.0000**	**0.9820**	**0.9820**		**15,504.9710**	**15,504.9710**	**0.2972**	**0.0000**	**15,512.4005**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Stationary	0.7106	1.4497	12.6624	0.0775		0.9820	0.9820		0.9820	0.9820		15,504.9708	15,504.9708	0.2972		15,512.4003
Total	**0.7107**	**1.4497**	**12.6625**	**0.0775**	**0.0000**	**0.9820**	**0.9820**	**0.0000**	**0.9820**	**0.9820**		**15,504.9710**	**15,504.9710**	**0.2972**	**0.0000**	**15,512.4005**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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**

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
Boiler	1	131.79	49003	4	CNG

User Defined Equipment

Equipment Type	Number

10.1 Stationary Sources

Unmitigated/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
Equipment Type	lb/day										lb/day					
Boiler - CNG (2 - 5 MMBTU)	0.7106	1.4497	12.6624	0.0775		0.9820	0.9820		0.9820	0.9820		15,504.9708	15,504.9708	0.2972		15,512.4003
Total	**0.7106**	**1.4497**	**12.6624**	**0.0775**		**0.9820**	**0.9820**		**0.9820**	**0.9820**		**15,504.9708**	**15,504.9708**	**0.2972**		**15,512.4003**

Phase 2 Boiler Installation

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Commercial	1.00	User Defined Unit	0.00	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase -

Stationary Sources - Process Boilers - Based on information provided by LSA and data for the existing boilers operating within the City of Hope Central Utilities Plant.

Table Name	Column Name	Default Value	New Value
tblProjectCharacteristics	OperationalYear	2018	2025
tblStationaryBoilersUse	AnnualHeatInput	0.00	49,003.00

tblStationaryBoilersUse	BoilerRatingValue	0.00	4.00
tblStationaryBoilersUse	DailyHeatInput	0.00	131.79
tblStationaryBoilersUse	NumberOfEquipment	0.00	1.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005
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	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	0.1321	0.2695	2.3541	0.0144		0.1826	0.1826		0.1826	0.1826	0.0000	2,615.0314	2,615.0314	0.0501	0.0000	2,616.2844
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1321**	**0.2695**	**2.3541**	**0.0144**	**0.0000**	**0.1826**	**0.1826**	**0.0000**	**0.1826**	**0.1826**	**0.0000**	**2,615.0314**	**2,615.0314**	**0.0501**	**0.0000**	**2,616.2844**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005
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	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	0.1321	0.2695	2.3541	0.0144		0.1826	0.1826		0.1826	0.1826	0.0000	2,615.0314	2,615.0314	0.0501	0.0000	2,616.2844
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1321**	**0.2695**	**2.3541**	**0.0144**	**0.0000**	**0.1826**	**0.1826**	**0.0000**	**0.1826**	**0.1826**	**0.0000**	**2,615.0314**	**2,615.0314**	**0.0501**	**0.0000**	**2,616.2844**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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**

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
Boiler	1	131.79	49003	4	CNG

User Defined Equipment

Equipment Type	Number

10.1 Stationary Sources

Unmitigated/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
Equipment Type	tons/yr										MT/yr					
Boiler - CNG (2 - 5 MMBTU)	0.1321	0.2695	2.3541	0.0144		0.1826	0.1826		0.1826	0.1826	0.0000	2,615.0314	2,615.0314	0.0501	0.0000	2,616.2844
Total	**0.1321**	**0.2695**	**2.3541**	**0.0144**		**0.1826**	**0.1826**		**0.1826**	**0.1826**	**0.0000**	**2,615.0314**	**2,615.0314**	**0.0501**	**0.0000**	**2,616.2844**

Phase 2 Boiler Installation

Los Angeles-South Coast, Summary Report

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Commercial	1.00	User Defined Unit	0.00	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments

Only CalEEMod defaults were used.

Project Characteristics -

Land Use -

Construction Phase -

Stationary Sources - Process Boilers - Based on information provided by LSA and data for the existing boilers operating within the City of Hope Central Utilities Plant.

2.0 Peak Daily Emissions

Peak Daily Operational Emissions

Peak Daily Operational Emissions

		Unmitigated						Mitigated					
		ROG	NOX	CO	SO2	PM10	PM2.5	ROG	NOX	CO	SO2	PM10	PM2.5
	Operational Activity	lb/day											
On-Site	Stationary	0.7106 S	1.4497 S	12.6624 S	0.0775 S	0.9820 S	0.9820 S	0.7106 S	1.4497 S	12.6624 S	0.0775 S	0.9820 S	0.9820 S
On-Site	Area	1.0000e-005 S	0.0000 S	1.0000e-004 S	0.0000 S	0.0000 S	0.0000 S	1.0000e-005 S	0.0000 S	1.0000e-004 S	0.0000 S	0.0000 S	0.0000 S
On-Site	Energy	0.0000 S	0.0000 S	0.0000 S	0.0000 S	0.0000 S	0.0000 S	0.0000 S	0.0000 S	0.0000 S	0.0000 S	0.0000 S	0.0000 S
Off-Site	Mobile	0.0000 S	0.0000 S	0.0000 S	0.0000 S	0.0000 S	0.0000 S	0.0000 S	0.0000 S	0.0000 S	0.0000 S	0.0000 S	0.0000 S
	Peak Daily Total	0.7107 S	1.4497 S	12.6625 S	0.0775 S	0.9820 S	0.9820 S	0.7107 S	1.4497 S	12.6625 S	0.0775 S	0.9820 S	0.9820 S
	Air District Threshold												
	Exceed Significance?												

3.0 Annual GHG Emissions

Annual GHG

Annual GHG

		Unmitigated				Mitigated			
		CO2	CH4	N2O	CO2e	CO2	CH4	N2O	CO2e
GHG Activity	Year	MT/yr							
Operational	2025	2,615.0314	0.0501	0.0000	2,616.2844	2,615.0314	0.0501	0.0000	2,616.2844
	Total								
	Significance Threshold								
	Exceed Significance?								

Phase 2 Boiler Installation

Los Angeles-South Coast County, Mitigation Report

Operational Mobile Mitigation

Project Setting:

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value 3
No	Land Use	Increase Density	0.00			
No	Land Use	Increase Diversity	0.00	0.15		
No	Land Use	Improve Walkability Design	0.00			
No	Land Use	Improve Destination Accessibility	0.00			
No	Land Use	Increase Transit Accessibility	0.25			
No	Land Use	Integrate Below Market Rate Housing	0.00			
	Land Use	Land Use SubTotal	0.00			
No	Neighborhood Enhancements	Improve Pedestrian Network				
No	Neighborhood Enhancements	Provide Traffic Calming Measures				
No	Neighborhood Enhancements	Implement NEV Network	0.00			
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00			
No	Parking Policy Pricing	Limit Parking Supply	0.00			
No	Parking Policy Pricing	Unbundle Parking Costs	0.00			
No	Parking Policy Pricing	On-street Market Pricing	0.00			
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00			
No	Transit Improvements	Provide BRT System	0.00			
No	Transit Improvements	Expand Transit Network	0.00			

No	Transit Improvements	Increase Transit Frequency	0.00			
	Transit Improvements	Transit Improvements Subtotal	0.00			
		Land Use and Site Enhancement Subtotal	0.00			
No	Commute	Implement Trip Reduction Program				
No	Commute	Transit Subsidy				
No	Commute	Implement Employee Parking "Cash Out"				
No	Commute	Workplace Parking Charge				
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00			
No	Commute	Market Commute Trip Reduction Option	0.00			
No	Commute	Employee Vanpool/Shuttle	0.00		2.00	
No	Commute	Provide Ride Sharing Program				
	Commute	Commute Subtotal	0.00			
No	School Trip	Implement School Bus Program	0.00			
		Total VMT Reduction	0.00			

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
No	No Hearth	
No	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	50.00
No	Use Low VOC Paint (Residential Exterior)	50.00
No	Use Low VOC Paint (Non-residential Interior)	100.00
No	Use Low VOC Paint (Non-residential Exterior)	100.00
No	Use Low VOC Paint (Parking)	100.00
No	% Electric Lawnmower	
No	% Electric Leafblower	
No	% Electric Chainsaw	

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Exceed Title 24		
No	Install High Efficiency Lighting		
No	On-site Renewable		

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Apply Water Conservation on Strategy		
No	Use Reclaimed Water		
No	Use Grey Water		
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction		
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape		

Solid Waste Mitigation

Mitigation Measures	Input Value
Institute Recycling and Composting Services	
Percent Reduction in Waste Disposed	

CalEEMod Output: Operation – Boiler (Phase 4)

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Phase 4 Boiler Installation

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Commercial	1.00	User Defined Unit	0.00	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2035
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase -

Stationary Sources - Process Boilers - Based on information provided by LSA and data for the existing boilers operating within the City of Hope Central Utilities Plant.

Stationary Sources - Process Boilers EF - lb/MMBtu

Table Name	Column Name	Default Value	New Value

tblProjectCharacteristics	OperationalYear	2018	2035
tblStationaryBoilersUse	AnnualHeatInput	0.00	49,003.00
tblStationaryBoilersUse	AnnualHeatInput	0.00	49,003.00
tblStationaryBoilersUse	BoilerRatingValue	0.00	4.00
tblStationaryBoilersUse	BoilerRatingValue	0.00	4.00
tblStationaryBoilersUse	DailyHeatInput	0.00	131.79
tblStationaryBoilersUse	DailyHeatInput	0.00	131.79
tblStationaryBoilersUse	NumberOfEquipment	0.00	1.00
tblStationaryBoilersUse	NumberOfEquipment	0.00	1.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Stationary	1.4213	2.8994	25.3248	0.1551		1.9640	1.9640		1.9640	1.9640		31,009.9416	31,009.9416	0.5944		31,024.8005
Total	**1.4213**	**2.8994**	**25.3249**	**0.1551**	**0.0000**	**1.9640**	**1.9640**	**0.0000**	**1.9640**	**1.9640**		**31,009.9418**	**31,009.9418**	**0.5944**	**0.0000**	**31,024.8008**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Stationary	1.4213	2.8994	25.3248	0.1551		1.9640	1.9640		1.9640	1.9640		31,009.9416	31,009.9416	0.5944		31,024.8005
Total	**1.4213**	**2.8994**	**25.3249**	**0.1551**	**0.0000**	**1.9640**	**1.9640**	**0.0000**	**1.9640**	**1.9640**		**31,009.9418**	**31,009.9418**	**0.5944**	**0.0000**	**31,024.8008**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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**

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
Boiler	1	131.79	49003	4	CNG
Boiler	1	131.79	49003	4	CNG

User Defined Equipment

Equipment Type	Number

10.1 Stationary Sources

Unmitigated/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
Equipment Type	lb/day										lb/day					
Boiler - CNG (2 - 5 MMBTU)	1.4213	2.8994	25.3248	0.1551		1.9640	1.9640		1.9640	1.9640		31,009.9416	31,009.9416	0.5944		31,024.8005
Total	**1.4213**	**2.8994**	**25.3248**	**0.1551**		**1.9640**	**1.9640**		**1.9640**	**1.9640**		**31,009.9416**	**31,009.9416**	**0.5944**		**31,024.8005**

Phase 4 Boiler Installation

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Commercial	1.00	User Defined Unit	0.00	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2035
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase -

Stationary Sources - Process Boilers - Based on information provided by LSA and data for the existing boilers operating within the City of Hope Central Utilities Plant.
Stationary Sources - Process Boilers EF - lb/MMBtu

Table Name	Column Name	Default Value	New Value

tblProjectCharacteristics	OperationalYear	2018	2035
tblStationaryBoilersUse	AnnualHeatInput	0.00	49,003.00
tblStationaryBoilersUse	AnnualHeatInput	0.00	49,003.00
tblStationaryBoilersUse	BoilerRatingValue	0.00	4.00
tblStationaryBoilersUse	BoilerRatingValue	0.00	4.00
tblStationaryBoilersUse	DailyHeatInput	0.00	131.79
tblStationaryBoilersUse	DailyHeatInput	0.00	131.79
tblStationaryBoilersUse	NumberOfEquipment	0.00	1.00
tblStationaryBoilersUse	NumberOfEquipment	0.00	1.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Stationary	1.4213	2.8994	25.3248	0.1551		1.9640	1.9640		1.9640	1.9640		31,009.9416	31,009.9416	0.5944		31,024.8005
Total	**1.4213**	**2.8994**	**25.3249**	**0.1551**	**0.0000**	**1.9640**	**1.9640**	**0.0000**	**1.9640**	**1.9640**		**31,009.9418**	**31,009.9418**	**0.5944**	**0.0000**	**31,024.8008**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Stationary	1.4213	2.8994	25.3248	0.1551		1.9640	1.9640		1.9640	1.9640		31,009.9416	31,009.9416	0.5944		31,024.8005
Total	**1.4213**	**2.8994**	**25.3249**	**0.1551**	**0.0000**	**1.9640**	**1.9640**	**0.0000**	**1.9640**	**1.9640**		**31,009.9418**	**31,009.9418**	**0.5944**	**0.0000**	**31,024.8008**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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**

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
Boiler	1	131.79	49003	4	CNG
Boiler	1	131.79	49003	4	CNG

User Defined Equipment

Equipment Type	Number

10.1 Stationary Sources

Unmitigated/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
Equipment Type	lb/day										lb/day					
Boiler - CNG (2 - 5 MMBTU)	1.4213	2.8994	25.3248	0.1551		1.9640	1.9640		1.9640	1.9640		31,009.9416	31,009.9416	0.5944		31,024.8005
Total	**1.4213**	**2.8994**	**25.3248**	**0.1551**		**1.9640**	**1.9640**		**1.9640**	**1.9640**		**31,009.9416**	**31,009.9416**	**0.5944**		**31,024.8005**

11.0 Vegetation

Phase 4 Boiler Installation

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Commercial	1.00	User Defined Unit	0.00	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2035
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase -

Stationary Sources - Process Boilers - Based on information provided by LSA and data for the existing boilers operating within the City of Hope Central Utilities Plant.

Table Name	Column Name	Default Value	New Value
tblProjectCharacteristics	OperationalYear	2018	2035

tblStationaryBoilersUse	AnnualHeatInput	0.00	49,003.00
tblStationaryBoilersUse	AnnualHeatInput	0.00	49,003.00
tblStationaryBoilersUse	BoilerRatingValue	0.00	4.00
tblStationaryBoilersUse	BoilerRatingValue	0.00	4.00
tblStationaryBoilersUse	DailyHeatInput	0.00	131.79
tblStationaryBoilersUse	DailyHeatInput	0.00	131.79
tblStationaryBoilersUse	NumberOfEquipment	0.00	1.00
tblStationaryBoilersUse	NumberOfEquipment	0.00	1.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005
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	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	0.2642	0.5390	4.7082	0.0288		0.3651	0.3651		0.3651	0.3651	0.0000	5,230.0628	5,230.0628	0.1002	0.0000	5,232.5688
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.2642**	**0.5390**	**4.7082**	**0.0288**	**0.0000**	**0.3651**	**0.3651**	**0.0000**	**0.3651**	**0.3651**	**0.0000**	**5,230.0628**	**5,230.0628**	**0.1002**	**0.0000**	**5,232.5689**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005
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	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	0.2642	0.5390	4.7082	0.0288		0.3651	0.3651		0.3651	0.3651	0.0000	5,230.0628	5,230.0628	0.1002	0.0000	5,232.5688
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.2642**	**0.5390**	**4.7082**	**0.0288**	**0.0000**	**0.3651**	**0.3651**	**0.0000**	**0.3651**	**0.3651**	**0.0000**	**5,230.0628**	**5,230.0628**	**0.1002**	**0.0000**	**5,232.5689**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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**

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
Boiler	1	131.79	49003	4	CNG
Boiler	1	131.79	49003	4	CNG

User Defined Equipment

Equipment Type	Number

10.1 Stationary Sources

Unmitigated/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
Equipment Type	tons/yr										MT/yr					
Boiler - CNG (2 - 5 MMBTU)	0.2642	0.5390	4.7082	0.0288		0.3651	0.3651		0.3651	0.3651	0.0000	5,230.0628	5,230.0628	0.1002	0.0000	5,232.5688
Total	**0.2642**	**0.5390**	**4.7082**	**0.0288**		**0.3651**	**0.3651**		**0.3651**	**0.3651**	**0.0000**	**5,230.0628**	**5,230.0628**	**0.1002**	**0.0000**	**5,232.5688**

Phase 4 Boiler Installation

Los Angeles-South Coast, Summary Report

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Commercial	1.00	User Defined Unit	0.00	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2035
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments

Only CalEEMod defaults were used.

Project Characteristics -

Land Use -

Construction Phase -

Stationary Sources - Process Boilers - Based on information provided by LSA and data for the existing boilers operating within the City of Hope Central Utilities Plant.

Stationary Sources - Process Boilers EF - lb/MMBtu

2.0 Peak Daily Emissions

Peak Daily Operational Emissions

Peak Daily Operational Emissions

		Unmitigated						Mitigated					
		ROG	NOX	CO	SO2	PM10	PM2.5	ROG	NOX	CO	SO2	PM10	PM2.5
	Operational Activity	lb/day											
On-Site	Stationary	1.4213 S	2.8994 S	25.3248 S	0.1551 S	1.9640 S	1.9640 S	1.4213 S	2.8994 S	25.3248 S	0.1551 S	1.9640 S	1.9640 S
On-Site	Area	1.0000e-005 S	0.0000 S	1.0000e-004 S	0.0000 S	0.0000 S	0.0000 S	1.0000e-005 S	0.0000 S	1.0000e-004 S	0.0000 S	0.0000 S	0.0000 S
On-Site	Energy	0.0000 S	0.0000 S	0.0000 S	0.0000 S	0.0000 S	0.0000 S	0.0000 S	0.0000 S	0.0000 S	0.0000 S	0.0000 S	0.0000 S
Off-Site	Mobile	0.0000 S	0.0000 S	0.0000 S	0.0000 S	0.0000 S	0.0000 S	0.0000 S	0.0000 S	0.0000 S	0.0000 S	0.0000 S	0.0000 S
	Peak Daily Total	1.4213 S	2.8994 S	25.3249 S	0.1551 S	1.9640 S	1.9640 S	1.4213 S	2.8994 S	25.3249 S	0.1551 S	1.9640 S	1.9640 S
	Air District Threshold												
	Exceed Significance?												

3.0 Annual GHG Emissions

Annual GHG

Annual GHG

		Unmitigated				Mitigated			
		CO2	CH4	N2O	CO2e	CO2	CH4	N2O	CO2e
GHG Activity	Year	MT/yr							
Operational	2035	5,230.0628	0.1002	0.0000	5,232.5689	5,230.0628	0.1002	0.0000	5,232.5689
	Total								
	Significance Threshold								
	Exceed Significance?								

Phase 4 Boiler Installation

Los Angeles-South Coast County, Mitigation Report

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting:

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value 3
No	Land Use	Increase Density	0.00			
No	Land Use	Increase Diversity	0.00	0.15		
No	Land Use	Improve Walkability Design	0.00			
No	Land Use	Improve Destination Accessibility	0.00			
No	Land Use	Increase Transit Accessibility	0.25			

No	Land Use	Integrate Below Market Rate Housing	0.00			
	Land Use	Land Use SubTotal	0.00			
No	Neighborhood Enhancements	Improve Pedestrian Network				
No	Neighborhood Enhancements	Provide Traffic Calming Measures				
No	Neighborhood Enhancements	Implement NEV Network	0.00			
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00			
No	Parking Policy Pricing	Limit Parking Supply	0.00			
No	Parking Policy Pricing	Unbundle Parking Costs	0.00			
No	Parking Policy Pricing	On-street Market Pricing	0.00			
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00			
No	Transit Improvements	Provide BRT System	0.00			
No	Transit Improvements	Expand Transit Network	0.00			
No	Transit Improvements	Increase Transit Frequency	0.00			
	Transit Improvements	Transit Improvements Subtotal	0.00			
		Land Use and Site Enhancement Subtotal	0.00			
No	Commute	Implement Trip Reduction Program				
No	Commute	Transit Subsidy				
No	Commute	Implement Employee Parking "Cash Out"				
No	Commute	Workplace Parking Charge				
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00			
No	Commute	Market Commute Trip Reduction Option	0.00			
No	Commute	Employee Vanpool/Shuttle	0.00		2.00	
No	Commute	Provide Ride Sharing Program				
	Commute	Commute Subtotal	0.00			
No	School Trip	Implement School Bus Program	0.00			
		Total VMT Reduction	0.00			

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
No	No Hearth	
No	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	50.00
No	Use Low VOC Paint (Residential Exterior)	50.00
No	Use Low VOC Paint (Non-residential Interior)	100.00
No	Use Low VOC Paint (Non-residential Exterior)	100.00
No	Use Low VOC Paint (Parking)	100.00
No	% Electric Lawnmower	
No	% Electric Leafblower	
No	% Electric Chainsaw	

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Exceed Title 24		
No	Install High Efficiency Lighting		
No	On-site Renewable		

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Apply Water Conservation on Strategy		
No	Use Reclaimed Water		
No	Use Grey Water		
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction		
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape		

Solid Waste Mitigation

Mitigation Measures	Input Value
Institute Recycling and Composting Services	
Percent Reduction in Waste Disposed	

Localized Significance Thresholds Worksheets

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Construction Localized Significance Thresholds: Phase 1 - Demolition_Non-Residential

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)
9	1.00	25	82

Source Receptor	East San Gabriel Valley	Equipment	Acres/8-hr Day	Acres/Hr	Equipment Used	Number of Hrs	Acres
Distance (meters)	25	Tractors	0.5	0.0625			0
NOx	**89**	Graders	0.5	0.0625			0
CO	**623**	Dozers	0.5	0.0625	2	8	1
PM10	**5.00**	Scrapers	1	0.125			0
PM2.5	**3.00**					**Acres**	1.00

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	1	89	112	159	251	489
	1	89	112	159	251	489
		89	112	159	251	489
CO	1	623	945	1914	4803	20721
	1	623	945	1914	4803	20721
		623	945	1914	4803	20721
PM10	1	5	14	34	75	199
	1	5	14	34	75	199
		5	14	34	75	199
PM2.5	1	3	5	9	22	94
	1	3	5	9	22	94
		3	5	9	22	94

East San Gabriel Valley

1.00 Acres

	25	**50**	**100**	**200**	**500**
NOx	89	112	159	251	489
CO	623	945	1914	4803	20721
PM10	5	14	34	75	199
PM2.5	3	5	9	22	94

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
9	1	9	1
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Phase 1 - Grading_Non-Residential

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)
9	4.00	25	82

Source Receptor Distance (meters)	East San Gabriel Valley 25	Equipment	Acres/8-hr Day	Acres/Hr	Equipment Used	Number of Hrs	Acres
NOx	**178**	Tractors	0.5	0.0625	2	8	1
CO	**1473**	Graders	0.5	0.0625	1	8	0.5
PM10	**11.66**	Dozers	0.5	0.0625	1	8	0.5
PM2.5	**7.00**	Scrapers	1	0.125	2	8	2
						Acres	4.00

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	4	178	202	257	340	560
	4	178	202	257	340	560
		178	202	257	340	560
CO	4	1473	1981	3268	6953	24403
	4	1473	1981	3268	6953	24403
		1473	1981	3268	6953	24403
PM10	4	12	36	56	98	222
	4	12	36	56	98	222
		12	36	56	98	222
PM2.5	4	7	10	15	32	111
	4	7	10	15	32	111
		7	10	15	32	111

East San Gabriel Valley

4.00 Acres

	25	**50**	**100**	**200**	**500**
NOx	178	202	257	340	560
CO	1473	1981	3268	6953	24403
PM10	12	36	56	98	222
PM2.5	7	10	15	32	111

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
9	4	9	4
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Site Preparation_Non-Residential

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)
9	3.50	25	82

Source Receptor	East San Gabriel Valley	Equipment	Acres/8-hr Day	Acres/Hr	Equipment Used	Number of Hrs	Acres
Distance (meters)	25	Tractors	0.5	0.0625	4	8	2
NOx	**165**	Graders	0.5	0.0625	0	0	0
CO	**1343**	Dozers	0.5	0.0625	3	8	1.5
PM10	**10.49**	Scrapers	1	0.125	0	0	0
PM2.5	**6.50**					**Acres**	3.50

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	3	153	176	229	312	537
	4	178	202	257	340	560
		166	189	243	326	549
CO	3	1213	1662	2857	6305	23248
	4	1473	1981	3268	6953	24403
		1343	1822	3063	6629	23826
PM10	3	9	29	49	91	214
	4	12	36	56	98	222
		11	33	53	95	218
PM2.5	3	6	8	14	29	105
	4	7	10	15	32	111
		7	9	15	31	108

East San Gabriel Valley

3.50 Acres

	25	**50**	**100**	**200**	**500**
NOx	166	189	243	326	549
CO	1343	1822	3063	6629	23826
PM10	11	33	53	95	218
PM2.5	7	9	15	31	108

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
9	3	9	4
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Phase 1 - Architectural Coating and Paving and Phase 2 Demolition

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)
9	1.00	25	82

Source Receptor Distance (meters)	East San Gabriel Valley 25	Equipment	Acres/8-hr Day	Acres/Hr	Equipment Used	Number of Hrs	Acres
NOx	**89**	Tractors	0.5	0.0625	0	0	0
CO	**623**	Tractors	0.5	0.0625	0	0	0.00
PM10	**5.00**	Graders	0.5	0.0625	2	8	1
PM2.5	**3.00**	Dozers	0.5	0.0625	0	0	0
		Scrapers	1	0.125	0	0	0
						Acres	1.00

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	1	89	112	159	251	489
	1	89	112	159	251	489
		89	112	159	251	489
CO	1	623	945	1914	4803	20721
	1	623	945	1914	4803	20721
		623	945	1914	4803	20721
PM10	1	5	14	34	75	199
	1	5	14	34	75	199
		5	14	34	75	199
PM2.5	1	3	5	9	22	94
	1	3	5	9	22	94
		3	5	9	22	94

East San Gabriel Valley

1.00 Acres

	25	**50**	**100**	**200**	**500**
NOx	89	112	159	251	489
CO	623	945	1914	4803	20721
PM10	5	14	34	75	199
PM2.5	3	5	9	22	94

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
9	1	9	1
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Phase 1 - Building Construction

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)
9	1.31	25	82

Source Receptor Distance (meters)	East San Gabriel Valley 25
NOx	**101**
CO	**726**
PM10	**5.62**
PM2.5	**3.62**

Equipment	Acres/8-hr Day	Acres/Hr	Equipment Used	Number of Hrs	Acres
Tractors	0.5	0.0625	0	0	0
Tractors	0.5	0.0625	3	7	1.31
Graders	0.5	0.0625	0	0	0
Dozers	0.5	0.0625	0	0	0
Scrapers	1	0.125	0	0	0
				Acres	1.31

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	1	89	112	159	251	489
	2	128	151	200	284	513
		101	124	172	261	497
CO	1	623	945	1914	4803	20721
	2	953	1344	2445	5658	22093
		726	1070	2080	5070	21150
PM10	1	5	14	34	75	199
	2	7	22	42	84	207
		6	17	37	78	202
PM2.5	1	3	5	9	22	94
	2	5	7	12	26	100
		4	6	10	23	96

East San Gabriel Valley

1.31 Acres

	25	**50**	**100**	**200**	**500**
NOx	101	124	172	261	497
CO	726	1070	2080	5070	21150
PM10	6	17	37	78	202
PM2.5	4	6	10	23	96

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
9	1	9	2
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Phase 1 - Building Construction and Architectural Coating and Phase 2 Demolition

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)
9	2.31	25	82

Source Receptor Distance (meters)	East San Gabriel Valley 25
NOx	**136**
CO	**1034**
PM10	**7.72**
PM2.5	**5.31**

Equipment	Acres/8-hr Day	Acres/Hr	Equipment Used	Number of Hrs	Acres
Tractors	0.5	0.0625	0	0	0
Tractors	0.5	0.0625	3	7	1.31
Graders	0.5	0.0625	2	8	1
Dozers	0.5	0.0625	0	0	0
Scrapers	1	0.125	0	0	0
				Acres	2.31

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	2	128	151	200	284	513
	3	153	176	229	312	537
		136	159	209	293	520
CO	2	953	1344	2445	5658	22093
	3	1213	1662	2857	6305	23248
		1034	1443	2574	5860	22454
PM10	2	7	22	42	84	207
	3	9	29	49	91	214
		8	24	44	86	209
PM2.5	2	5	7	12	26	100
	3	6	8	14	29	105
		5	7	13	27	102

East San Gabriel Valley

2.31 Acres

	25	**50**	**100**	**200**	**500**
NOx	136	159	209	293	520
CO	1034	1443	2574	5860	22454
PM10	8	24	44	86	209
PM2.5	5	7	13	27	102

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
9	2	9	3
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Phase 1 Architectural Coating and Phase 2 Grading

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)
9	4.00	25	82

Source Receptor	East San Gabriel Valley	Equipment	Acres/8-hr Day	Acres/Hr	Equipment Used	Number of Hrs	Acres
Distance (meters)	25	Tractors	0.5	0.0625	2	8	1
NOx	**178**	Graders	0.5	0.0625	1	8	0.5
CO	**1473**	Dozers	0.5	0.0625	1	8	0.5
PM10	**11.66**	Scrapers	1	0.125	2	8	2
PM2.5	**7.00**					**Acres**	4.00

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	4	178	202	257	340	560
	4	178	202	257	340	560
		178	202	257	340	560
CO	4	1473	1981	3268	6953	24403
	4	1473	1981	3268	6953	24403
		1473	1981	3268	6953	24403
PM10	4	12	36	56	98	222
	4	12	36	56	98	222
		12	36	56	98	222
PM2.5	4	7	10	15	32	111
	4	7	10	15	32	111
		7	10	15	32	111

East San Gabriel Valley

4.00 Acres

	25	**50**	**100**	**200**	**500**
NOx	178	202	257	340	560
CO	1473	1981	3268	6953	24403
PM10	12	36	56	98	222
PM2.5	7	10	15	32	111

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
9	4	9	4
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Preparation

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)
9	3.50	25	82

Source Receptor Distance (meters)	East San Gabriel Valley 25	Equipment	Acres/8-hr Day	Acres/Hr	Equipment Used	Number of Hrs	Acres
NOx	**165**	Tractors	0.5	0.0625	4	8	2
CO	**1343**	Graders	0.5	0.0625	0	0	0
PM10	**10.49**	Dozers	0.5	0.0625	3	8	1.5
PM2.5	**6.50**	Scrapers	1	0.125	0	0	0
						Acres	3.50

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	3	153	176	229	312	537
	4	178	202	257	340	560
		166	189	243	326	549
CO	3	1213	1662	2857	6305	23248
	4	1473	1981	3268	6953	24403
		1343	1822	3063	6629	23826
PM10	3	9	29	49	91	214
	4	12	36	56	98	222
		11	33	53	95	218
PM2.5	3	6	8	14	29	105
	4	7	10	15	32	111
		7	9	15	31	108

East San Gabriel Valley

3.50 Acres

	25	**50**	**100**	**200**	**500**
NOx	166	189	243	326	549
CO	1343	1822	3063	6629	23826
PM10	11	33	53	95	218
PM2.5	7	9	15	31	108

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
9	3	9	4
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Phase 2 - Architectural Coating and Paving

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)
9	0.00	25	82

Source Receptor Distance (meters)	East San Gabriel Valley 25
NOx	**89**
CO	**623**
PM10	**5.00**
PM2.5	**3.00**

Equipment	Acres/8-hr Day	Acres/Hr	Equipment Used	Number of Hrs	Acres
Tractors	0.5	0.0625	0	0	0
Tractors	0.5	0.0625	0	0	0.00
Graders	0.5	0.0625	0	0	0
Dozers	0.5	0.0625	0	0	0
Scrapers	1	0.125	0	0	0
				Acres	0.00

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	1	89	112	159	251	489
	1	89	112	159	251	489
		89	112	159	251	489
CO	1	623	945	1914	4803	20721
	1	623	945	1914	4803	20721
		623	945	1914	4803	20721
PM10	1	5	14	34	75	199
	1	5	14	34	75	199
		5	14	34	75	199
PM2.5	1	3	5	9	22	94
	1	3	5	9	22	94
		3	5	9	22	94

East San Gabriel Valley

0.00 Acres

	25	**50**	**100**	**200**	**500**
NOx	89	112	159	251	489
CO	623	945	1914	4803	20721
PM10	5	14	34	75	199
PM2.5	3	5	9	22	94

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
9	1	9	1
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Phase 1 Architectural Coating and Phase 2 Building Construction

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)
9	1.31	25	82

Source Receptor Distance (meters)	East San Gabriel Valley 25
NOx	**101**
CO	**726**
PM10	**5.62**
PM2.5	**3.62**

Equipment	Acres/8-hr Day	Acres/Hr	Equipment Used	Number of Hrs	Acres
Tractors	0.5	0.0625	0	0	0
Tractors	0.5	0.0625	3	7	1.31
Graders	0.5	0.0625	0	0	0
Dozers	0.5	0.0625	0	0	0
Scrapers	1	0.125	0	0	0
				Acres	1.31

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	1	89	112	159	251	489
	2	128	151	200	284	513
		101	124	172	261	497
CO	1	623	945	1914	4803	20721
	2	953	1344	2445	5658	22093
		726	1070	2080	5070	21150
PM10	1	5	14	34	75	199
	2	7	22	42	84	207
		6	17	37	78	202
PM2.5	1	3	5	9	22	94
	2	5	7	12	26	100
		4	6	10	23	96

East San Gabriel Valley

1.31 Acres

	25	**50**	**100**	**200**	**500**
NOx	101	124	172	261	497
CO	726	1070	2080	5070	21150
PM10	6	17	37	78	202
PM2.5	4	6	10	23	96

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
9	1	9	2
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Phase 3 - Demolition

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)
9	1.00	25	82

Source Receptor	East San Gabriel Valley	Equipment	Acres/8-hr Day	Acres/Hr	Equipment Used	Number of Hrs	Acres
Distance (meters)	25	Tractors	0.5	0.0625			0
NOx	**89**	Graders	0.5	0.0625			0
CO	**623**	Dozers	0.5	0.0625	2	8	1
PM10	**5.00**	Scrapers	1	0.125			0
PM2.5	**3.00**					**Acres**	1.00

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	1	89	112	159	251	489
	1	89	112	159	251	489
		89	112	159	251	489
CO	1	623	945	1914	4803	20721
	1	623	945	1914	4803	20721
		623	945	1914	4803	20721
PM10	1	5	14	34	75	199
	1	5	14	34	75	199
		5	14	34	75	199
PM2.5	1	3	5	9	22	94
	1	3	5	9	22	94
		3	5	9	22	94

East San Gabriel Valley

1.00 Acres

	25	**50**	**100**	**200**	**500**
NOx	89	112	159	251	489
CO	623	945	1914	4803	20721
PM10	5	14	34	75	199
PM2.5	3	5	9	22	94

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
9	1	9	1
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Phase 3 - Grading

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)
9	4.00	25	82

Source Receptor Distance (meters)	East San Gabriel Valley 25
NOx	**178**
CO	**1473**
PM10	**11.66**
PM2.5	**7.00**

Equipment	Acres/8-hr Day	Acres/Hr	Equipment Used	Number of Hrs	Acres
Tractors	0.5	0.0625	2	8	1
Graders	0.5	0.0625	1	8	0.5
Dozers	0.5	0.0625	1	8	0.5
Scrapers	1	0.125	2	8	2
				Acres	4.00

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	4	178	202	257	340	560
	4	178	202	257	340	560
		178	202	257	340	560
CO	4	1473	1981	3268	6953	24403
	4	1473	1981	3268	6953	24403
		1473	1981	3268	6953	24403
PM10	4	12	36	56	98	222
	4	12	36	56	98	222
		12	36	56	98	222
PM2.5	4	7	10	15	32	111
	4	7	10	15	32	111
		7	10	15	32	111

East San Gabriel Valley

4.00 Acres

	25	**50**	**100**	**200**	**500**
NOx	178	202	257	340	560
CO	1473	1981	3268	6953	24403
PM10	12	36	56	98	222
PM2.5	7	10	15	32	111

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
9	4	9	4
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Phase 3 - Site Preparation

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)
9	3.50	25	82

Source Receptor Distance (meters)	East San Gabriel Valley 25	Equipment	Acres/8-hr Day	Acres/Hr	Equipment Used	Number of Hrs	Acres
NOx	**165**	Tractors	0.5	0.0625	4	8	2
CO	**1343**	Graders	0.5	0.0625	0	0	0
PM10	**10.49**	Dozers	0.5	0.0625	3	8	1.5
PM2.5	**6.50**	Scrapers	1	0.125	0	0	0
						Acres	3.50

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	3	153	176	229	312	537
	4	178	202	257	340	560
		166	189	243	326	549
CO	3	1213	1662	2857	6305	23248
	4	1473	1981	3268	6953	24403
		1343	1822	3063	6629	23826
PM10	3	9	29	49	91	214
	4	12	36	56	98	222
		11	33	53	95	218
PM2.5	3	6	8	14	29	105
	4	7	10	15	32	111
		7	9	15	31	108

East San Gabriel Valley

3.50 Acres

	25	**50**	**100**	**200**	**500**
NOx	166	189	243	326	549
CO	1343	1822	3063	6629	23826
PM10	11	33	53	95	218
PM2.5	7	9	15	31	108

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
9	3	9	4
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Phase 3 Architectural Coating and Paving

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)
9	0.00	25	82

Source Receptor Distance (meters)	East San Gabriel Valley 25
NOx	**89**
CO	**623**
PM10	**5.00**
PM2.5	**3.00**

Equipment	Acres/8-hr Day	Acres/Hr	Equipment Used	Number of Hrs	Acres
Tractors	0.5	0.0625	0	0	0
Tractors	0.5	0.0625	0	0	0.00
Graders	0.5	0.0625	0	0	0
Dozers	0.5	0.0625	0	0	0
Scrapers	1	0.125	0	0	0
				Acres	0.00

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	1	89	112	159	251	489
	1	89	112	159	251	489
		89	112	159	251	489
CO	1	623	945	1914	4803	20721
	1	623	945	1914	4803	20721
		623	945	1914	4803	20721
PM10	1	5	14	34	75	199
	1	5	14	34	75	199
		5	14	34	75	199
PM2.5	1	3	5	9	22	94
	1	3	5	9	22	94
		3	5	9	22	94

East San Gabriel Valley

0.00 Acres

	25	**50**	**100**	**200**	**500**
NOx	89	112	159	251	489
CO	623	945	1914	4803	20721
PM10	5	14	34	75	199
PM2.5	3	5	9	22	94

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
9	1	9	1
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Phase 3 - Building Construction

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)
9	1.31	25	82

Source Receptor Distance (meters)	East San Gabriel Valley 25	Equipment	Acres/8-hr Day	Acres/Hr	Equipment Used	Number of Hrs	Acres
NOx	**101**	Tractors	0.5	0.0625	0	0	0
CO	**726**	Tractors	0.5	0.0625	3	7	1.31
PM10	**5.62**	Graders	0.5	0.0625	0	0	0
PM2.5	**3.62**	Dozers	0.5	0.0625	0	0	0
		Scrapers	1	0.125	0	0	0
						Acres	1.31

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	1	89	112	159	251	489
	2	128	151	200	284	513
		101	124	172	261	497
CO	1	623	945	1914	4803	20721
	2	953	1344	2445	5658	22093
		726	1070	2080	5070	21150
PM10	1	5	14	34	75	199
	2	7	22	42	84	207
		6	17	37	78	202
PM2.5	1	3	5	9	22	94
	2	5	7	12	26	100
		4	6	10	23	96

East San Gabriel Valley

1.31 Acres

	25	**50**	**100**	**200**	**500**
NOx	101	124	172	261	497
CO	726	1070	2080	5070	21150
PM10	6	17	37	78	202
PM2.5	4	6	10	23	96

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
9	1	9	2
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Phase 4 - Demolition

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)
9	1.00	25	82

Source Receptor	East San Gabriel Valley	Equipment	Acres/8-hr Day	Acres/Hr	Equipment Used	Number of Hrs	Acres
Distance (meters)	25	Tractors	0.5	0.0625			0
NOx	**89**	Graders	0.5	0.0625			0
CO	**623**	Dozers	0.5	0.0625	2	8	1
PM10	**5.00**	Scrapers	1	0.125			0
PM2.5	**3.00**					**Acres**	1.00

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	1	89	112	159	251	489
	1	89	112	159	251	489
		89	112	159	251	489
CO	1	623	945	1914	4803	20721
	1	623	945	1914	4803	20721
		623	945	1914	4803	20721
PM10	1	5	14	34	75	199
	1	5	14	34	75	199
		5	14	34	75	199
PM2.5	1	3	5	9	22	94
	1	3	5	9	22	94
		3	5	9	22	94

East San Gabriel Valley

1.00 Acres

	25	**50**	**100**	**200**	**500**
NOx	89	112	159	251	489
CO	623	945	1914	4803	20721
PM10	5	14	34	75	199
PM2.5	3	5	9	22	94

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
9	1	9	1
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Phase 4 - Grading

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)
9	4.00	25	82

Source Receptor Distance (meters)	East San Gabriel Valley 25	Equipment	Acres/8-hr Day	Acres/Hr	Equipment Used	Number of Hrs	Acres
NOx	**178**	Tractors	0.5	0.0625	2	8	1
CO	**1473**	Graders	0.5	0.0625	1	8	0.5
PM10	**11.66**	Dozers	0.5	0.0625	1	8	0.5
PM2.5	**7.00**	Scrapers	1	0.125	2	8	2
						Acres	4.00

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	4	178	202	257	340	560
	4	178	202	257	340	560
		178	202	257	340	560
CO	4	1473	1981	3268	6953	24403
	4	1473	1981	3268	6953	24403
		1473	1981	3268	6953	24403
PM10	4	12	36	56	98	222
	4	12	36	56	98	222
		12	36	56	98	222
PM2.5	4	7	10	15	32	111
	4	7	10	15	32	111
		7	10	15	32	111

East San Gabriel Valley

4.00 Acres

	25	**50**	**100**	**200**	**500**
NOx	178	202	257	340	560
CO	1473	1981	3268	6953	24403
PM10	12	36	56	98	222
PM2.5	7	10	15	32	111

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
9	4	9	4
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Phase 4 - Site Preparation

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)
9	3.50	25	82

Source Receptor Distance (meters)	East San Gabriel Valley 25	Equipment	Acres/8-hr Day	Acres/Hr	Equipment Used	Number of Hrs	Acres
NOx	**165**	Tractors	0.5	0.0625	4	8	2
CO	**1343**	Graders	0.5	0.0625	0	0	0
PM10	**10.49**	Dozers	0.5	0.0625	3	8	1.5
PM2.5	**6.50**	Scrapers	1	0.125	0	0	0
						Acres	3.50

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	3	153	176	229	312	537
	4	178	202	257	340	560
		166	189	243	326	549
CO	3	1213	1662	2857	6305	23248
	4	1473	1981	3268	6953	24403
		1343	1822	3063	6629	23826
PM10	3	9	29	49	91	214
	4	12	36	56	98	222
		11	33	53	95	218
PM2.5	3	6	8	14	29	105
	4	7	10	15	32	111
		7	9	15	31	108

East San Gabriel Valley

3.50 Acres

	25	**50**	**100**	**200**	**500**
NOx	166	189	243	326	549
CO	1343	1822	3063	6629	23826
PM10	11	33	53	95	218
PM2.5	7	9	15	31	108

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
9	3	9	4
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Phase 4 Architectural Coating and Paving

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)
9	0.00	25	82

Source Receptor Distance (meters)	East San Gabriel Valley 25
NOx	**89**
CO	**623**
PM10	**5.00**
PM2.5	**3.00**

Equipment	Acres/8-hr Day	Acres/Hr	Equipment Used	Number of Hrs	Acres
Tractors	0.5	0.0625	0	0	0
Tractors	0.5	0.0625	0	0	0.00
Graders	0.5	0.0625	0	0	0
Dozers	0.5	0.0625	0	0	0
Scrapers	1	0.125	0	0	0
				Acres	0.00

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	1	89	112	159	251	489
	1	89	112	159	251	489
		89	112	159	251	489
CO	1	623	945	1914	4803	20721
	1	623	945	1914	4803	20721
		623	945	1914	4803	20721
PM10	1	5	14	34	75	199
	1	5	14	34	75	199
		5	14	34	75	199
PM2.5	1	3	5	9	22	94
	1	3	5	9	22	94
		3	5	9	22	94

East San Gabriel Valley

0.00 Acres

	25	**50**	**100**	**200**	**500**
NOx	89	112	159	251	489
CO	623	945	1914	4803	20721
PM10	5	14	34	75	199
PM2.5	3	5	9	22	94

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
9	1	9	1
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Phase 4 - Building Construction

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)
9	1.31	25	82

Source Receptor Distance (meters)	East San Gabriel Valley 25	Equipment	Acres/8-hr Day	Acres/Hr	Equipment Used	Number of Hrs	Acres
NOx	**101**	Tractors	0.5	0.0625	0	0	0
CO	**726**	Tractors	0.5	0.0625	3	7	1.31
PM10	**5.62**	Graders	0.5	0.0625	0	0	0
PM2.5	**3.62**	Dozers	0.5	0.0625	0	0	0
		Scrapers	1	0.125	0	0	0
						Acres	1.31

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	1	89	112	159	251	489
	2	128	151	200	284	513
		101	124	172	261	497
CO	1	623	945	1914	4803	20721
	2	953	1344	2445	5658	22093
		726	1070	2080	5070	21150
PM10	1	5	14	34	75	199
	2	7	22	42	84	207
		6	17	37	78	202
PM2.5	1	3	5	9	22	94
	2	5	7	12	26	100
		4	6	10	23	96

East San Gabriel Valley

1.31 Acres

	25	**50**	**100**	**200**	**500**
NOx	101	124	172	261	497
CO	726	1070	2080	5070	21150
PM10	6	17	37	78	202
PM2.5	4	6	10	23	96

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
9	1	9	2
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Operation Localized Significance Thresholds: City of Hope

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)
9	5.00	25	82

Source Receptor	**East San Gabriel Valley**
Distance (meters)	25
NOx	**203**
CO	**1,733**
PM10	**4.00**
PM2.5	**2.00**

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	5	203	227	286	368	584
	5	203	227	286	368	584
		203	227	286	368	584
CO	5	1733	2299	3680	7600	25558
	5	1733	2299	3680	7600	25558
		1733	2299	3680	7600	25558
PM10	5	4	11	16	26	55
	5	4	11	16	26	55
		4	11	16	26	55
PM2.5	5	2	3	5	9	28
	5	2	3	5	9	28
		2	3	5	9	28

East San Gabriel Valley

5.00 Acres

	25	**50**	**100**	**200**	**500**
NOx	203	227	286	368	584
CO	1733	2299	3680	7600	25558
PM10	4	11	16	26	55
PM2.5	2	3	5	9	28

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
9	5	9	5
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2010 - Table C-1. 2006 – 2008