ATTACHMENT A

Emissions

1489 Sunset Boulevard Project

CONSTRUCTION

REGIONAL EMISSIONS - Unmitigated

	Maximum Daily Emissions (lbs/day)									
Phase	ROG	NOx	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOx
2022										
Demolition	2.7	29.2	15.7	1.3	0.5	1.8	1.2	0.1	1.3	0.0
Site Preparation	0.6	8.4	4.7	0.2	3.0	3.2	0.2	1.4	1.7	0.0
Grading	3.0	64.0	18.2	1.1	7.9	9.0	1.0	2.5	3.6	0.2
Maximum Emissions	**3.0**	**64.0**	**18.2**	**1.3**	**7.9**	**9.0**	**1.2**	**2.5**	**3.6**	**0.2**
SCAQMD Regional Threshold	75	100	550	-	-	150	-	-	55	150
Exceed Threshold?	No	No	No	na	na	No	na	na	No	No
2023										
Grading	2.2	49.5	16.3	0.8	7.9	8.7	0.7	2.5	3.3	0.2
Building Construction	1.9	19.0	16.8	0.6	2.3	2.9	0.6	0.5	1.0	0.1
Maximum Emissions	**2.2**	**49.5**	**16.8**	**0.8**	**7.9**	**8.7**	**0.7**	**2.5**	**3.3**	**0.2**
SCAQMD Regional Threshold	75	100	550	-	-	150	-	-	55	150
Exceed Threshold?	No	No	No	na	na	No	na	na	No	No
2024										
Building Construction + Architectural Coating	45.5	19.6	21.0	0.6	2.5	3.1	0.6	0.5	1.1	0.1
Asphalt Paving	1.2	9.1	10.6	0.3	0.1	0.5	0.3	0.0	0.3	0.0
Maximum Emissions	**45.5**	**19.6**	**21.0**	**0.6**	**2.5**	**3.1**	**0.6**	**0.5**	**1.1**	**0.1**
SCAQMD Regional Threshold	75	100	550	-	-	150	-	-	55	150
Exceed Threshold?	No	No	No	na	na	No	na	na	No	No

LOCALIZED EMISSIONS - Unmitigated

	Maximum Daily Emissions (lbs/day)			
Phase	NOx	CO	PM10 T	PM2.5 T
2022				
Demolition	27.4	15.0	1.4	1.2
Site Preparation	5.9	4.1	2.6	1.5
Grading	24.9	11.7	3.4	2.2
Maximum Emissions	**27.4**	**15.0**	**3.4**	**2.2**
SCAQMD LST Threshold	78.6	699.1	5.0	3.3
Exceed Threshold?	No	No	No	No
2023				
Grading	21.5	11.4	3.2	2.1
Building Construction	14.4	13.2	0.6	0.6
Maximum Emissions	**21.5**	**13.2**	**3.2**	**2.1**
SCAQMD LST Threshold	78.6	699.1	5.0	3.3
Exceed Threshold?	No	No	No	No
2024				
Building Construction + Architectural Coating	15.0	17.2	0.6	0.6
Asphalt Paving	8.9	10.5	0.3	0.3
Maximum Emissions	**15.0**	**17.2**	**0.6**	**0.6**
SCAQMD LST Threshold	78.6	699.1	5.0	3.3
Exceed Threshold?	No	No	No	No

General Assumptions

Single trips per vehicle	2	STREX, HTSK, RUNLS	calculations for routine vehicles assume 2 single trips per vehicle/day
Employee commute distance	14.7	miles/trip	CalEEMod default
Single trips per water truck onsite	6	trips	SCAQMD Rule 403 (watering 3x daily)
Average employee travel speed	40	miles/hour	CalEEMod statewide default
Vendor miles	6.9	miles/trip	CalEEMod default
Hauling miles	20	miles/trip	CalEEMod default
Unpaved miles	0.06	miles/trip	(Distance across project site)

Source: CalEEMod version 2016.3.2

OFFROAD Equipment Type	Horsepower	CMOD High	Carl Moyer LF
Aerial Lifts	63	50	0.31
Air Compressors	78	120	0.48
Bore/Drill Rigs	221	250	0.50
Cement and Mortar Mixers	9	15	0.56
Concrete/Industrial Saws	81	120	0.73
Cranes	231	250	0.29
Crawler Tractors	212	250	0.43
Crushing/Proc. Equipment	85	120	0.78
Dumpers/Tenders	16	15	0.38
Excavators	158	175	0.38
Forklifts	89	120	0.20
Generator Sets	84	120	0.74
Graders	187	175	0.41
Off-Highway Tractors	124	120	0.44
Off-Highway Trucks	402	500	0.38
Other Construction Equipment	172	175	0.42
Other General Industrial Equipment	88	120	0.34
Other Material Handling Equipment	168	175	0.40
Pavers	130	120	0.42
Paving Equipment	132	120	0.36
Plate Compactors	8	15	0.43
Pressure Washers	13	15	0.30
Pumps	84	120	0.74
Rollers	80	120	0.38
Rough Terrain Forklifts	100	120	0.40
Rubber Tired Dozers	247	250	0.40
Rubber Tired Loaders	203	250	0.36
Scrapers	367	500	0.48
Signal Boards	6	15	0.82
Skid Steer Loaders	65	75	0.37
Surfacing Equipment	263	250	0.30
Sweepers/Scrubbers	64	75	0.46
Tractors/Loaders/Backhoes	97	120	0.37
Trenchers	78	120	0.50
Welders	46	50	0.45

Source: EMFAC2017 (accounts for SAFE Rule). Offsite emission factors for aggregate speeds. Onsite emission factors for 5 mph.

				Running (RUNEX, PMTW, PMBW) grams per mile											Process (IDLEX, STREX, TOTEX, DIURN, HTSK, RUNLS, RESTL) grams per trip										
Year	Air Basin	VehType	Lookup	ROG	NOx	CO	PM10 Ex	PM10 D	PM2.5 Ex	PM2.5 D	SO2	CO2	CH4	N2O	ROG	NOx	CO	PM10 Ex	PM10 D	PM2.5 Ex	PM2.5 D	SO2	CO2	CH4	N2O
2020	SCAB	LDA-LDT	2020SCABLDA-LDT	0.02	0.08	1.02	0.00	0.04	0.00	0.02	0.00	309	0.01	0.01	0.91	0.25	2.40	0.00	0.00	0.00	0.00	0.00	61	0.07	0.03
2021	SCAB	LDA-LDT	2021SCABLDA-LDT	0.02	0.07	0.93	0.00	0.04	0.00	0.02	0.00	301	0.00	0.01	0.84	0.23	2.32	0.00	0.00	0.00	0.00	0.00	60	0.06	0.03
2022	SCAB	LDA-LDT	2022SCABLDA-LDT	0.02	0.06	0.85	0.00	0.04	0.00	0.02	0.00	293	0.00	0.01	0.79	0.21	2.25	0.00	0.00	0.00	0.00	0.00	58	0.06	0.03
2023	SCAB	LDA-LDT	2023SCABLDA-LDT	0.01	0.05	0.78	0.00	0.04	0.00	0.02	0.00	285	0.00	0.01	0.74	0.20	2.17	0.00	0.00	0.00	0.00	0.00	56	0.05	0.03
2024	SCAB	LDA-LDT	2024SCABLDA-LDT	0.01	0.05	0.73	0.00	0.04	0.00	0.02	0.00	279	0.00	0.00	0.69	0.18	2.10	0.00	0.00	0.00	0.00	0.00	55	0.05	0.02
2025	SCAB	LDA-LDT	2025SCABLDA-LDT	0.01	0.04	0.68	0.00	0.04	0.00	0.02	0.00	272	0.00	0.00	0.66	0.17	2.01	0.00	0.00	0.00	0.00	0.00	54	0.04	0.02
2026	SCAB	LDA-LDT	2026SCABLDA-LDT	0.01	0.04	0.65	0.00	0.04	0.00	0.02	0.00	266	0.00	0.00	0.62	0.16	1.94	0.00	0.00	0.00	0.00	0.00	52	0.04	0.02
2027	SCAB	LDA-LDT	2027SCABLDA-LDT	0.01	0.03	0.61	0.00	0.04	0.00	0.02	0.00	261	0.00	0.00	0.59	0.15	1.88	0.00	0.00	0.00	0.00	0.00	51	0.04	0.02
2028	SCAB	LDA-LDT	2028SCABLDA-LDT	0.01	0.03	0.59	0.00	0.04	0.00	0.02	0.00	256	0.00	0.00	0.56	0.14	1.82	0.00	0.00	0.00	0.00	0.00	50	0.04	0.02
2029	SCAB	LDA-LDT	2029SCABLDA-LDT	0.01	0.03	0.57	0.00	0.04	0.00	0.02	0.00	252	0.00	0.00	0.53	0.14	1.77	0.00	0.00	0.00	0.00	0.00	49	0.03	0.02
2030	SCAB	LDA-LDT	2030SCABLDA-LDT	0.01	0.03	0.55	0.00	0.04	0.00	0.02	0.00	248	0.00	0.00	0.51	0.13	1.73	0.00	0.00	0.00	0.00	0.00	49	0.03	0.02
2020	SCAB	T6	2020SCABT6	0.19	4.17	0.62	0.10	0.14	0.10	0.06	0.01	1,050	0.01	0.16	0.02	3.01	0.42	0.00	0.00	0.00	0.00	0.00	148	0.00	0.02
2021	SCAB	T6	2021SCABT6	0.16	3.55	0.55	0.09	0.14	0.09	0.06	0.01	1,032	0.01	0.16	0.02	3.03	0.42	0.00	0.00	0.00	0.00	0.00	146	0.00	0.02
2022	SCAB	T6	2022SCABT6	0.07	2.37	0.23	0.03	0.14	0.03	0.06	0.01	990	0.00	0.16	0.01	3.08	0.42	0.00	0.00	0.00	0.00	0.00	142	0.00	0.02
2023	SCAB	T6	2023SCABT6	0.01	1.54	0.09	0.01	0.14	0.01	0.06	0.01	945	0.00	0.15	0.01	3.27	0.46	0.00	0.00	0.00	0.00	0.00	136	0.00	0.02
2024	SCAB	T6	2024SCABT6	0.01	1.53	0.09	0.01	0.14	0.01	0.06	0.01	935	0.00	0.15	0.01	3.27	0.46	0.00	0.00	0.00	0.00	0.00	135	0.00	0.02
2025	SCAB	T6	2025SCABT6	0.01	1.52	0.09	0.01	0.14	0.01	0.06	0.01	924	0.00	0.15	0.01	3.27	0.46	0.00	0.00	0.00	0.00	0.00	134	0.00	0.02
2026	SCAB	T6	2026SCABT6	0.01	1.52	0.09	0.01	0.14	0.01	0.06	0.01	916	0.00	0.14	0.01	3.27	0.46	0.00	0.00	0.00	0.00	0.00	133	0.00	0.02
2027	SCAB	T6	2027SCABT6	0.01	1.51	0.09	0.01	0.14	0.01	0.06	0.01	908	0.00	0.14	0.01	3.28	0.46	0.00	0.00	0.00	0.00	0.00	132	0.00	0.02
2028	SCAB	T6	2028SCABT6	0.01	1.51	0.09	0.01	0.14	0.01	0.06	0.01	902	0.00	0.14	0.01	3.28	0.46	0.00	0.00	0.00	0.00	0.00	131	0.00	0.02
2029	SCAB	T6	2029SCABT6	0.01	1.52	0.09	0.01	0.14	0.01	0.06	0.01	898	0.00	0.14	0.01	3.28	0.46	0.00	0.00	0.00	0.00	0.00	130	0.00	0.02
2030	SCAB	T6	2030SCABT6	0.01	1.53	0.09	0.01	0.14	0.01	0.06	0.01	894	0.00	0.14	0.01	3.28	0.46	0.00	0.00	0.00	0.00	0.00	130	0.00	0.02
2020	SCAB	T7	2020SCABT7	0.20	5.57	0.75	0.10	0.10	0.10	0.04	0.01	1,547	0.01	0.24	0.35	8.46	4.27	0.01	0.00	0.01	0.00	0.01	855	0.02	0.13
2021	SCAB	T7	2021SCABT7	0.17	4.71	0.64	0.09	0.10	0.08	0.04	0.01	1,516	0.01	0.24	0.35	8.53	4.43	0.01	0.00	0.01	0.00	0.01	867	0.02	0.14
2022	SCAB	T7	2022SCABT7	0.07	3.25	0.33	0.03	0.10	0.03	0.04	0.01	1,448	0.00	0.23	0.35	8.72	4.78	0.00	0.00	0.00	0.00	0.01	904	0.02	0.14
2023	SCAB	T7	2023SCABT7	0.02	2.20	0.18	0.01	0.10	0.01	0.04	0.01	1,376	0.00	0.22	0.35	8.63	5.13	0.00	0.00	0.00	0.00	0.01	883	0.02	0.14
2024	SCAB	T7	2024SCABT7	0.02	2.17	0.18	0.01	0.10	0.01	0.04	0.01	1,360	0.00	0.21	0.35	8.64	5.14	0.00	0.00	0.00	0.00	0.01	874	0.02	0.14
2025	SCAB	T7	2025SCABT7	0.02	2.13	0.18	0.01	0.10	0.01	0.04	0.01	1,342	0.00	0.21	0.35	8.65	5.15	0.00	0.00	0.00	0.00	0.01	866	0.02	0.14
2026	SCAB	T7	2026SCABT7	0.02	2.09	0.18	0.01	0.10	0.01	0.04	0.01	1,324	0.00	0.21	0.35	8.66	5.16	0.00	0.00	0.00	0.00	0.01	857	0.02	0.13
2027	SCAB	T7	2027SCABT7	0.02	2.05	0.18	0.01	0.10	0.01	0.04	0.01	1,305	0.00	0.21	0.35	8.66	5.17	0.00	0.00	0.00	0.00	0.01	847	0.02	0.13
2028	SCAB	T7	2028SCABT7	0.02	2.03	0.17	0.01	0.10	0.01	0.04	0.01	1,287	0.00	0.20	0.35	8.67	5.18	0.00	0.00	0.00	0.00	0.01	837	0.02	0.13
2029	SCAB	T7	2029SCABT7	0.02	2.01	0.17	0.01	0.10	0.01	0.04	0.01	1,272	0.00	0.20	0.35	8.68	5.18	0.00	0.00	0.00	0.00	0.01	826	0.02	0.13
2030	SCAB	T7	2030SCABT7	0.02	2.00	0.17	0.01	0.10	0.01	0.04	0.01	1,257	0.00	0.20	0.35	8.68	5.19	0.00	0.00	0.00	0.00	0.01	815	0.02	0.13
2020	SCAB	LDA-LDTOnsite	2020SCABLDA-LDTOnsite	0.12	0.14	1.83	0.01	0.04	0.01	0.02	0.00	712	0.03	0.01	0.91	0.25	2.40	0.00	0.00	0.00	0.00	0.00	61	0.07	0.03
2021	SCAB	LDA-LDTOnsite	2021SCABLDA-LDTOnsite	0.10	0.12	1.65	0.01	0.04	0.01	0.02	0.00	694	0.02	0.01	0.84	0.23	2.32	0.00	0.00	0.00	0.00	0.00	60	0.06	0.03
2022	SCAB	LDA-LDTOnsite	2022SCABLDA-LDTOnsite	0.09	0.10	1.51	0.01	0.04	0.01	0.02	0.00	677	0.02	0.01	0.79	0.21	2.25	0.00	0.00	0.00	0.00	0.00	58	0.06	0.03
2023	SCAB	LDA-LDTOnsite	2023SCABLDA-LDTOnsite	0.08	0.09	1.39	0.01	0.04	0.01	0.02	0.00	662	0.02	0.01	0.74	0.20	2.17	0.00	0.00	0.00	0.00	0.00	56	0.05	0.03
2024	SCAB	LDA-LDTOnsite	2024SCABLDA-LDTOnsite	0.07	0.08	1.30	0.01	0.04	0.01	0.02	0.00	647	0.02	0.01	0.69	0.18	2.10	0.00	0.00	0.00	0.00	0.00	55	0.05	0.02
2025	SCAB	LDA-LDTOnsite	2025SCABLDA-LDTOnsite	0.06	0.07	1.22	0.01	0.04	0.01	0.02	0.00	634	0.02	0.01	0.66	0.17	2.01	0.00	0.00	0.00	0.00	0.00	54	0.04	0.02
2026	SCAB	LDA-LDTOnsite	2026SCABLDA-LDTOnsite	0.05	0.07	1.15	0.01	0.04	0.01	0.02	0.00	622	0.01	0.01	0.62	0.16	1.94	0.00	0.00	0.00	0.00	0.00	52	0.04	0.02
2027	SCAB	LDA-LDTOnsite	2027SCABLDA-LDTOnsite	0.05	0.06	1.10	0.01	0.04	0.01	0.02	0.00	611	0.01	0.01	0.59	0.15	1.88	0.00	0.00	0.00	0.00	0.00	51	0.04	0.02
2028	SCAB	LDA-LDTOnsite	2028SCABLDA-LDTOnsite	0.04	0.06	1.05	0.01	0.04	0.01	0.02	0.00	601	0.01	0.01	0.56	0.14	1.82	0.00	0.00	0.00	0.00	0.00	50	0.04	0.02
2029	SCAB	LDA-LDTOnsite	2029SCABLDA-LDTOnsite	0.04	0.05	1.01	0.01	0.04	0.01	0.02	0.00	593	0.01	0.01	0.53	0.14	1.77	0.00	0.00	0.00	0.00	0.00	49	0.03	0.02
2030	SCAB	LDA-LDTOnsite	2030SCABLDA-LDTOnsite	0.04	0.05	0.98	0.01	0.04	0.01	0.02	0.00	585	0.01	0.01	0.51	0.13	1.73	0.00	0.00	0.00	0.00	0.00	49	0.03	0.02
2020	SCAB	T6Onsite	2020SCABT6Onsite	1.93	12.27	3.05	0.30	0.14	0.29	0.06	0.01	2,439	0.09	0.38	0.02	3.01	0.42	0.00	0.00	0.00	0.00	0.00	147.71	0.00	0.02
2021	SCAB	T6Onsite	2021SCABT6Onsite	1.61	10.91	2.75	0.23	0.14	0.22	0.06	0.01	2,421	0.07	0.38	0.02	3.03	0.42	0.00	0.00	0.00	0.00	0.00	146.10	0.00	0.02
2022	SCAB	T6Onsite	2022SCABT6Onsite	0.61	8.35	1.48	0.10	0.14	0.09	0.06	0.01	2,402	0.03	0.38	0.01	3.08	0.42	0.00	0.00	0.00	0.00	0.00	141.99	0.00	0.02
2023	SCAB	T6Onsite	2023SCABT6Onsite	0.10	7.09	0.83	0.02	0.14	0.01	0.06	0.01	2,386	0.00	0.38	0.01	3.27	0.46	0.00	0.00	0.00	0.00	0.00	136.40	0.00	0.02
2024	SCAB	T6Onsite	2024SCABT6Onsite	0.10	7.14	0.83	0.01	0.14	0.01	0.06	0.01	2,357	0.00	0.37	0.01	3.27	0.46	0.00	0.00	0.00	0.00	0.00	135.26	0.00	0.02
2025	SCAB	T6Onsite	2025SCABT6Onsite	0.09	7.21	0.84	0.01	0.14	0.01	0.06	0.01	2,332	0.00	0.37	0.01	3.27	0.46	0.00	0.00	0.00	0.00	0.00	134.22	0.00	0.02
2026	SCAB	T6Onsite	2026SCABT6Onsite	0.09	7.28	0.85	0.01	0.14	0.01	0.06	0.01	2,313	0.00	0.36	0.01	3.27	0.46	0.00	0.00	0.00	0.00	0.00	133.26	0.00	0.02
2027	SCAB	T6Onsite	2027SCABT6Onsite	0.08	7.38	0.86	0.01	0.14	0.01	0.06	0.01	2,294	0.00	0.36	0.01	3.28	0.46	0.00	0.00	0.00	0.00	0.00	132.31	0.00	0.02
2028	SCAB	T6Onsite	2028SCABT6Onsite	0.08	7.48	0.86	0.01	0.14	0.01	0.06	0.01	2,281	0.00	0.36	0.01	3.28	0.46	0.00	0.00	0.00	0.00	0.00	131.37	0.00	0.02
2029	SCAB	T6Onsite	2029SCABT6Onsite	0.07	7.59	0.87	0.01	0.14	0.01	0.06	0.01	2,273	0.00	0.36	0.01	3.28	0.46	0.00	0.00	0.00	0.00	0.00	130.46	0.00	0.02
2030	SCAB	T6Onsite	2030SCABT6Onsite	0.07	7.69	0.88	0.01	0.14	0.01	0.06	0.01	2,264	0.00	0.36	0.01	3.28	0.46	0.00	0.00	0.00	0.00	0.00	129.62	0.00	0.02
2020	SCAB	T7Onsite	2020SCABT7Onsite	2.11	17.38	4.14	0.29	0.10	0.27	0.04	0.01	3,669	0.10	0.58	0.35	8.46	4.27	0.01	0.00	0.01	0.00	0.01	855.15	0.02	0.13
2021	SCAB	T7Onsite	2021SCABT7Onsite	1.70	15.47	3.72	0.21	0.10	0.20	0.04	0.01	3,632	0.08	0.57	0.35	8.53	4.43	0.01	0.00	0.01	0.00	0.01	866.58	0.02	0.14
2022	SCAB	T7Onsite	2022SCABT7Onsite	0.70	12.24	2.51	0.09	0.10	0.09	0.04	0.01	3,568	0.03	0.56	0.35	8.72	4.78	0.00	0.00	0.00	0.00	0.01	903.62	0.02	0.14
2023	SCAB	T7Onsite	2023SCABT7Onsite	0.16	10.56	1.78	0.02	0.10	0.02	0.04	0.01	3,499	0.01	0.55	0.35	8.63	5.13	0.00	0.00	0.00	0.00	0.01	882.85	0.02	0.14
2024	SCAB	T7Onsite	2024SCABT7Onsite	0.15	10.56	1.79	0.02	0.10	0.02	0.04	0.01	3,455	0.01	0.54	0.35	8.64	5.14	0.00	0.00	0.00	0.00	0.01	874.49	0.02	0.14
2025	SCAB	T7Onsite	2025SCABT7Onsite	0.15	10.58	1.80	0.02	0.10	0.02	0.04	0.01	3,413	0.01	0.54	0.35	8.65	5.15	0.00	0.00	0.00	0.00	0.01	865.63	0.02	0.14
2026	SCAB	T7Onsite	2026SCABT7Onsite	0.14	10.60	1.81	0.01	0.10	0.01	0.04	0.01	3,370	0.01	0.53	0.35	8.66	5.16	0.00	0.00	0.00	0.00	0.01	856.71	0.02	0.13
2027	SCAB	T7Onsite	2027SCABT7Onsite	0.14	10.64	1.82	0.01	0.10	0.01	0.04	0.01	3,322	0.01	0.52	0.35	8.66	5.17	0.00	0.00	0.00	0.00	0.01	847.01	0.02	0.13
2028	SCAB	T7Onsite	2028SCABT7Onsite	0.13	10.69	1.83	0.01	0.10	0.01	0.04	0.01	3,279	0.01	0.52	0.35	8.67	5.18	0.00	0.00	0.00	0.00	0.01	836.66	0.02	0.13
2029	SCAB	T7Onsite	2029SCABT7Onsite	0.13	10.72	1.83	0.01	0.10	0.01	0.04	0.01	3,241	0.01	0.51	0.35	8.68	5.18	0.00	0.00	0.00	0.00	0.01	826.30	0.02	0.13
2030	SCAB	T7Onsite	2030SCABT7Onsite	0.13	10.76	1.84	0.01	0.10	0.01	0.04	0.01	3,205	0.01	0.50	0.35	8.68	5.19	0.00	0.00	0.00	0.00	0.01	815.42	0.02	0.13

Re-entrained Paved Road Dust Emission Factors

Methodology

USEPA AP-42, Paved Roads, Section 13.2.1, Revised January 2011:
https://www.arb.ca.gov/ei/areasrc/PMSJVPavedRoadMethod2003.pdf
CARB 2018, MISCELLANEOUS PROCESS METHODOLOGY 7.9
https://www.arb.ca.gov/ei/areasrc/fullpdf/full7-9_2018.pdf

Equation 2

Pollutant	Variables					
	k	sL	W	P	N	g per mi
PM_{10}	0.0022	0.135	2.4	36	365	0.38430
$PM_{2.5}$	0.0003	0.135	2.4	36	365	0.05766

E = particulate emission factor (grams of particulate matter/VMT)	
k = particle size multiplier (lb/VMT)	CARB Section 7.9, page 2
sL = local roadway silt loading (g/m2)	CARB Section 7.9, Table 3
W = average weight of vehicles on the road (tons)	CARB Section 7.9, Table 7
P = number of wet days with at least 0.254mm of precipitation	from WRCC or CalEEMod default for local county
N = number of days in the averaging period	annual days (365)
g to lb conversion	0.002204623

	sL - statewide
Fwy	0.015
Major	0.032
Collector	0.032
Local	0.32

Re-entrained Unpaved Road Dust Emission Factors

Methodology

USEPA AP-42,Unpaved Roads, Section 13.2.2, Revised November 2006
http://www.epa.gov/ttn/chief/ap42/ch13/final/c13s0202.pdf

Equation 1a (unpaved roads dominated by trucks)

	Pollutant	Variables					
		k	s	W	a	b	E (g/mile)
Uncontrolled	PM10	1.50	8.5%	17.50	0.90	0.45	17.5
	PM.25	0.15	8.5%	17.50	0.90	0.45	1.7
With Natural	PM10						15.8
	PM.25						1.6
With Dust Control	PM10						6.1
	PM.25						0.6

E = size-specific emission factor (g/VMT)	
k = particle size multiplier (lb/VMT)	AP-42, Table 13.2.2-2
s = surface material silt content (%)	CalEEMod
W = vehicle weight (tons)	Avg. of T6 and T7
a	AP-42, Table 13.2.2-2
b	AP-42, Table 13.2.2-2
g to lb conversion	0.002204623

Natural Precipitation Reduction

Equation 2, Section 13.2.2, page 13.2.2-7, based on number of days with measurable (more than 0.254 mm [0.01 inch]) precipitation

Eext = E[(365 - P) / 365]

		reduction
PM10	16	10%
PM2.5	2	10%

p= precipitation Days greater than 0.254mm (0.01 in) 36 https://wrcc.dri.edu/cgi-bin/cliMAIN.pl?ca5115

Dust Control

Watering 3x daily 61% CalEEMod

Calculation Details in CalEEMod Users Guide, Appendix A

No Dust Control Measures

Paving ROG EF	2.62	lbs/acre	CalEEMod (no mitigation)
Grading PM10 EF	1.0605	lbs/acre	CalEEMod (no mitigation)
Grading PM2.5 EF	0.1145	lbs/acre	CalEEMod (no mitigation)
Bulldozing PM10 EF	0.7528	lbs/hr	CalEEMod (no mitigation)
Bulldozing PM2.5 EF	0.4138	lbs/hr	CalEEMod (no mitigation)
Truck loading PM10 EF @12%	0.000014	lb/ton	CalEEMod (no mitigation)
Truck loading PM2.5 EF @12%	0.000002	lb/ton	CalEEMod (no mitigation)
Demo PM10 EF	0.0205	lb/ton	CalEEMod (no mitigation)
Demo PM2.5 EF	0.0031	lb/ton	CalEEMod (no mitigation)

Mean Wind (mph)	1.2	Los Angeles- Downtown

With Mandatory Dust Control Measures

SCAQMD Rule 403	61%	grading & den CalEEMod

Paving ROG EF	2.6200	lbs/acre	CalEEMod (no mitigation)
Grading PM10 EF	0.4136	lbs/acre	CalEEMod (with watering)
Grading PM2.5 EF	0.0447	lbs/acre	CalEEMod (with watering)
Bulldozing PM10 EF	0.2936	lbs/hr	CalEEMod (with watering)
Bulldozing PM2.5 EF	0.1614	lbs/hr	CalEEMod (with watering)
Truck loading PM10 EF @12%	0.000006	lb/ton	CalEEMod (with watering)
Truck loading PM2.5 EF @12%	0.000001	lb/ton	CalEEMod (with watering)
Demo PM10 EF	0.007985	lb/ton	CalEEMod (with watering)
Demo PM2.5 EF	0.001209	lb/ton	CalEEMod (with watering)

Calculation Details in CalEEMod Users Guide, Appendix A, pages 16-17

Residential Uses

EF -exterior	0.0023 lbs/sq ft	
EF - interior	0.0023 lbs/sq ft	
Fraction exterior	75%	exterior fraction of surface area. Default is 75% of area is exterior surface and 25% interior
Fraction interior	25%	interior fraction of surface area. Default is 75% of area is exterior surface and 25% interior
Cext	50	Exterior VOC content (g/L)
Cint	50	Interior VOC content (g/L)
scaling factor for A - surface painting	2	
g/lb	454	
liters per gallon	3.785	
Conv	180	

Non-Residential Uses

EF -exterior	0.0046 lbs/sq ft	
EF - interior	0.0046 lbs/sq ft	
Fraction exterior	75%	exterior fraction of surface area. Default is 75% of area is exterior surface and 25% interior
Fraction interior	25%	interior fraction of surface area. Default is 75% of area is exterior surface and 25% interior
Cext	100	Exterior VOC content (g/L)
Cint	100	Interior VOC content (g/L)
scaling factor for A - surface painting	2	
g/lb	454	
liters per gallon	3.785	
Conv	180	

Parking Structures

EF -exterior	0.0046 lbs/sq ft	
EF - interior	0.0046 lbs/sq ft	
Percent painted	6%	Default % pof parking lot area that is painted
Cext	100	Exterior VOC content (g/L)
Cint	100	Interior VOC content (g/L)
scaling factor for A - surface painting	2	
g/lb	454	
liters per gallon	3.785	
Conv	180	

LST Thresholds - SRA 1 (Central LA)

25 Meters

	CO	NOx	PM10 (Construction)	PM10 (Operation)	PM2.5 (Construction)	PM2.5 (Operation)
x-value (Area of Site)	y-value (LST)	y-value (LST)	y-value (LST)	y-value (LST)	y-value (LST)	y-value (LST)
1	680	74	5	2	3	1
2	1048	108	8	2	5	2
5	1861	161	16	4	8	2
0.95	699.09	78.61	4.98	1.74	3.29	1.34

Demo Calculations Location Onsite

Code	Year	Lookup	Days	Demo (tons/day)	Pounds per day							
					ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2
Phase1	2022	Phase1:2022	41	11.5516						0.1	0.0	

Phase	Activity	Structure (SF)	Tons	CY
Phase1	Demolition	10296.0	474	374.6469412

Offroad Calculations Location Onsite

Code	Equip	#/day	hrs/day	Year	Days	CMOD	HP Bin	HP	LF	Fuel	Pounds per day							
											ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2
Phase1	Excavator	2	8	2022	41	Excavators	120	120	0.38	Diesel	0.4	4.2	5.6	0.2	0.2			0.0
Phase1	Bulldozer	2	8	2022	41	Rubber Tired Dozers	250	325	0.40	Diesel	2.2	22.9	9.3	1.1	1.0			0.0
Phase2	Tractor/Loader/Backhoe	1	8	2022	22	Tractors/Loaders/Backhoes	250	350	0.37	Diesel	0.4	4.4	2.6	0.2	0.1			0.0
Phase2	Excavator	1	4	2022	22	Excavators	120	120	0.38	Diesel	0.1	1.1	1.4	0.1	0.1			0.0
Phase3	Bulldozer	1	8	2022	24	Rubber Tired Dozers	250	250	0.40	Diesel	0.8	8.8	3.6	0.4	0.4			0.0
Phase3	Tractor/Loader/Backhoe	1	8	2022	24	Tractors/Loaders/Backhoes	250	350	0.37	Diesel	0.4	4.4	2.6	0.2	0.1			0.0
Phase3	Grader	1	4	2022	24	Graders	250	350	0.41	Diesel	0.4	4.9	1.6	0.2	0.1			0.0
Phase3	Excavator	1	4	2022	24	Excavators	250	350	0.38	Diesel	0.2	1.6	1.3	0.1	0.0			0.0
Phase3	Bulldozer	1	8	2023	2	Rubber Tired Dozers	250	250	0.40	Diesel	0.7	7.1	3.1	0.3	0.3			0.0
Phase3	Tractor/Loader/Backhoe	1	8	2023	2	Tractors/Loaders/Backhoes	250	350	0.37	Diesel	0.4	3.6	2.6	0.1	0.1			0.0
Phase3	Grader	1	4	2023	2	Graders	250	350	0.41	Diesel	0.4	4.3	1.6	0.1	0.1			0.0
Phase3	Excavator	1	4	2023	2	Excavators	250	350	0.38	Diesel	0.2	1.4	1.3	0.0	0.0			0.0
Phase4	Crane	1	8	2023	258	Cranes	175	150	0.29	Diesel	0.3	3.2	2.6	0.2	0.2			0.0
Phase4	Forklift	1	6	2023	258	Forklifts	175	150	0.20	Diesel	0.1	0.8	1.3	0.0	0.0			0.0
Phase4	Tractor/Loader/Backhoe	1	8	2023	258	Tractors/Loaders/Backhoes	250	300	0.37	Diesel	0.3	3.1	2.2	0.1	0.1			0.0
Phase4	Welder	1	6	2023	258	Welders	175	150	0.45	Diesel	0.2	1.5	2.8	0.1	0.1			0.0
Phase4	Generator	1	6	2023	258	Generator Sets	500	400	0.74	Diesel	0.6	4.8	3.9	0.1	0.1			0.0
Phase4	Crane	1	8	2024	156	Cranes	175	150	0.29	Diesel	0.3	2.8	2.6	0.1	0.1			0.0
Phase4	Forklift	1	6	2024	156	Forklifts	175	150	0.20	Diesel	0.1	0.7	1.3	0.0	0.0			0.0
Phase4	Tractor/Loader/Backhoe	1	8	2024	156	Tractors/Loaders/Backhoes	250	300	0.37	Diesel	0.3	2.9	2.2	0.1	0.1			0.0
Phase4	Welder	1	6	2024	156	Welders	175	150	0.45	Diesel	0.2	1.4	2.8	0.1	0.1			0.0
Phase4	Generator	1	6	2024	156	Generator Sets	500	400	0.74	Diesel	0.6	4.2	3.8	0.1	0.1			0.0
Phase5	Air Compressor	1	8	2024	15	Air Compressors	175	150	0.48	Diesel	0.4	2.0	4.1	0.1	0.1			0.0
Phase6	Paver	1	8	2024	12	Pavers	175	150	0.42	Diesel	0.2	2.0	3.3	0.1	0.1			0.0
Phase6	Roller	1	8	2024	12	Rollers	250	300	0.38	Diesel	0.4	3.9	2.4	0.1	0.1			0.0
Phase6	Tractor/Loader/Backhoe	1	8	2024	12	Tractors/Loaders/Backhoes	175	150	0.37	Diesel	0.2	1.3	3.0	0.1	0.1			0.0
Phase6	Skid Steer	1	8	2024	12	Skid Steer Loaders	50	75	0.37	Diesel	0.2	1.6	1.8	0.0	0.0			0.0

Employee Calculations Offsite

Code	Year	Vehicles/ day	Single Trips/day	Days	Miles/day	Vehicle	Vehicle Type	Fuel	Pounds per day							
									ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2
Phase1	2022	6	12	41	176	Employee	LDA-LDT	Gas	0.0	0.0	0.4	0.0	0.0	0.2	0.0	0.0
Phase2	2022	4	8	22	118	Employee	LDA-LDT	Gas	0.0	0.0	0.3	0.0	0.0	0.1	0.0	0.0
Phase3	2022	6	12	24	176	Employee	LDA-LDT	Gas	0.0	0.0	0.4	0.0	0.0	0.2	0.0	0.0
Phase3	2023	6	12	2	176	Employee	LDA-LDT	Gas	0.0	0.0	0.4	0.0	0.0	0.2	0.0	0.0
Phase4	2023	50	100	258	1470	Employee	LDA-LDT	Gas	0.2	0.2	3.0	0.0	0.0	1.4	0.2	0.0
Phase4	2024	50	100	156	1470	Employee	LDA-LDT	Gas	0.2	0.2	2.8	0.0	0.0	1.4	0.2	0.0
Phase5	2024	5	10	15	147	Employee	LDA-LDT	Gas	0.0	0.0	0.3	0.0	0.0	0.1	0.0	0.0
Phase6	2024	2	4	12	59	Employee	LDA-LDT	Gas	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0

Offsite Onroad Calculations Location

Code	Year	Vehicles/ day	Single Trips/day	Days	Miles/day	Vehicle	Vehicle Type	Fuel	Pounds per day							
									ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2
Phase1	2022	1	2	41	14	Vendor Truck	T6	Diesel	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Phase1	2022	5	10	41	200	Haul Truck	T7	Diesel	0.0	1.6	0.3	0.0	0.0	0.2	0.0	0.0
Phase1	2022	1	2	41	14	Water Truck	T6	Diesel	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Phase2	2022	20	40	22	276	Vendor Truck	T6	Diesel	0.0	1.7	0.2	0.0	0.0	0.3	0.1	0.0
Phase2	2022	2	4	22	80	Haul Truck	T7	Diesel	0.0	0.6	0.1	0.0	0.0	0.1	0.0	0.0
Phase2	2022	1	2	22	14	Water Truck	T6	Diesel	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Phase3	2022	1	2	24	14	Water Truck	T6	Diesel	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Phase3	2022	120	240	24	4800	Haul Truck	T7	Diesel	1.0	39.0	6.0	0.3	0.3	5.1	1.0	0.1
Phase3	2022	1	2	24	14	Water Truck	T6	Diesel	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Phase3	2023	1	2	2	14	Water Truck	T6	Diesel	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Phase3	2023	120	240	2	4800	Haul Truck	T7	Diesel	0.4	27.9	4.6	0.2	0.2	5.1	1.0	0.1
Phase3	2023	1	2	2	14	Water Truck	T6	Diesel	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Phase4	2023	15	30	258	207	Vendor Truck	T6	Diesel	0.0	0.9	0.1	0.0	0.0	0.2	0.1	0.0
Phase4	2023	15	30	258	600	Haul Truck	T7	Diesel	0.0	3.5	0.6	0.0	0.0	0.6	0.1	0.0
Phase4	2024	15	30	156	207	Vendor Truck	T6	Diesel	0.0	0.9	0.1	0.0	0.0	0.2	0.1	0.0
Phase4	2024	15	30	156	600	Haul Truck	T7	Diesel	0.0	3.4	0.6	0.0	0.0	0.6	0.1	0.0
Phase5	2024	2	4	15	28	Vendor Truck	T6	Diesel	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Phase6	2024	3	6	12	41	Vendor Truck	T6	Diesel	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0

Onsite Onroad Calculations Location

Code	Year	Vehicles/ day	Single Trips/day	Days	Miles/day	Vehicle	Vehicle Type	Fuel	Pounds per day							
									ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2
Phase1	2022	1	2	41	0.12	Vendor Truck	T6Onsite	Diesel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1	2022	5	10	41	0.60	Haul Truck	T7Onsite	Diesel	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0
Phase1	2022	1	6	41	0.36	Water Truck	T6Onsite	Diesel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2	2022	20	40	22	2.40	Vendor Truck	T6Onsite	Diesel	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0
Phase2	2022	2	4	22	0.24	Haul Truck	T7Onsite	Diesel	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Phase2	2022	1	6	22	0.36	Water Truck	T6Onsite	Diesel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3	2022	1	6	24	0.36	Water Truck	T6Onsite	Diesel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3	2022	120	240	24	14.40	Haul Truck	T7Onsite	Diesel	0.2	5.0	2.6	0.0	0.0	0.2	0.2	0.0
Phase3	2022	1	6	24	0.36	Water Truck	T6Onsite	Diesel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3	2023	1	6	2	0.36	Water Truck	T6Onsite	Diesel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3	2023	120	240	2	14.40	Haul Truck	T7Onsite	Diesel	0.2	4.9	2.8	0.0	0.0	0.2	0.2	0.0
Phase3	2023	1	6	2	0.36	Water Truck	T6Onsite	Diesel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase4	2023	15	30	258	1.80	Vendor Truck	T6Onsite	Diesel	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
Phase4	2023	15	30	258	1.80	Haul Truck	T7Onsite	Diesel	0.0	0.6	0.3	0.0	0.0	0.0	0.0	0.0
Phase4	2024	15	30	156	1.80	Vendor Truck	T6Onsite	Diesel	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
Phase4	2024	15	30	156	1.80	Haul Truck	T7Onsite	Diesel	0.0	0.6	0.3	0.0	0.0	0.0	0.0	0.0
Phase5	2024	2	4	15	0.24	Vendor Truck	T6Onsite	Diesel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6	2024	3	6	12	0.36	Vendor Truck	T6Onsite	Diesel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Earthmoving/Paving Calculations Location Onsite

Code	Air Basin	Year	Lookup	Days	Strip (acres/day)	Borrow/Excavate (cy/day)	Dozing hr/day	Paving (acres/day)	Pounds per day							
									ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2
Phase2	SCAB	2022	Phase2:2022	22	0.1000	0	8	0	0.0					2.4	1.3	
Phase3	SCAB	2022	Phase3:2022	24	0.1000	1154	8	0	0.0					2.4	1.3	
Phase3	SCAB	2023	Phase3:2023	2	0.1000	1154	8	0	0.0					2.4	1.3	
Phase6	SCAB	2024	Phase6:2024	12	0.0000	0	0	0.10	0.2620					0.0	0.0	

Phase	Activity	Total	Unit	Total days	Unit/day
Phase2	Grading	0.5	acres	22	0.10
Phase3	Grading	0.5	acres	26	0.10
Phase3	Import/export, overexcavat/recompact	30000.0	CY	26	1153.85
Phase6	Paving	0.3	acres	12	0.10

Paving Calculations Location Onsite

Code	Year	Lookup	Days	Daily Residential Coating SF	Daily Nonresidential Coating SF	Daily Parking Coating SF	Pounds per day							
							ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2
Phase5	2024	Phase5:2024	15	15123	1553	236	43.3							

Phase	Land Use	SF	Tot Coating SF	Daily Coating SF
Phase5	Residential	84015	226840.5	15122.7
Phase5	Non-Residential	11650	23300	1553.33333
Phase5	Parking	58910	3534.6	235.64

Total Emissions

	Pounds per day										Pounds per day										Pounds per day									
	2022										2023										2024									
Phase	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
Phase1	2.7	29.2	15.7	1.3	0.5	1.8	1.2	0.1	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2	0.6	8.4	4.7	0.2	3.0	3.2	0.2	1.4	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3	3.0	64.0	18.2	1.1	7.9	9.0	1.0	2.5	3.6	0.2	2.2	49.5	16.3	0.8	7.9	8.7	0.7	2.5	3.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	19.0	16.8	0.6	2.3	2.9	0.6	0.5	1.0	0.1	1.8	17.5	16.6	0.5	2.3	2.8	0.5	0.5	1.0	0.1
Phase5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.7	2.2	4.4	0.1	0.2	0.3	0.1	0.0	0.1	0.0
Phase6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	9.1	10.6	0.3	0.1	0.5	0.3	0.0	0.3	0.0

Onsite Only Emissions

	Pounds per day										Pounds per day										Pounds per day									
	2022										2023										2024									
Phase	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
Phase1	2.6	27.4	15.0	1.3	0.1	1.4	1.2	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2	0.5	5.9	4.1	0.2	2.4	2.6	0.2	1.3	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3	2.0	24.9	11.7	0.8	2.6	3.4	0.7	1.5	2.2	0.0	1.8	21.5	11.4	0.6	2.6	3.2	0.6	1.5	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	14.4	13.2	0.5	0.0	0.6	0.5	0.0	0.6	0.0	1.6	12.9	13.1	0.5	0.0	0.5	0.5	0.0	0.5	0.0
Phase5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.7	2.0	4.1	0.1	0.0	0.1	0.1	0.0	0.1	0.0
Phase6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	8.9	10.5	0.3	0.0	0.3	0.3	0.0	0.3	0.0

1489 Sunset Boulevard Project

OPERATIONS

REGIONAL EMISSIONS - Unmitigated

	Maximum Daily Emissions (lbs/day)									
Source	ROG	NOx	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOx
Area	2.4	0.1	11.6	0.1	0.0	0.1	0.1	0.0	0.1	0.0
Energy	0.1	0.8	0.6	0.1	0.0	0.1	0.1	0.0	0.1	0.0
Mobile	2.0	3.2	18.1	0.0	6.5	6.6	0.0	1.2	1.2	0.1
Total	**4.4**	**4.2**	**30.3**	**0.2**	**6.5**	**6.7**	**0.2**	**1.2**	**1.3**	**0.1**
SCAQMD Regional Threshold	55.00	55.00	550.00	-	-	150.00	-	-	55.00	150.00
Exceed Threshold?	No	No	No	na	na	No	na	na	No	No

LOCALIZED EMISSIONS - Unmitigated

	Maximum Daily Emissions (lbs/day)			
Source	NOx	CO	PM10 T	PM2.5 T
Area	0.1	11.6	0.1	0.1
Energy	0.8	0.6	0.1	0.1
Mobile	0.2	0.9	0.3	0.1
Total	**1.1**	**13.1**	**0.5**	**0.2**
SCAQMD LST Threshold	78.6	699.1	1.7	1.3
Exceed Threshold?	No	No	No	No

All Vehicle Fleets (aggregated speeds)
Air Basein SCAB

EMFAC2017 (v1.0.2) Emissions Inventory
Region Type: County
Region: LOS ANGELES
Calendar Year: 2024
Season: Annual
Vehicle Classification: EMFAC2011 Categories
Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption.
*Emissions adjusted for EMFAC2017 Gasoline Light Duty Vehicles to account for the SAFE Vehicle Rule.

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	VMT	Trips	ROG	NOx	CO	PM10 Ex	PM10 D	PM2.5 Ex	PM2.5 D	SO2	CO2	CH4	N2O
LOS ANGELES	2024	All Other Buses	Aggregated	Aggregated	DSL	2550.285825	155192.9075	21422.40093	0.001507919	0.299570719	0.020070325	0.001427138	0.024350232	0.001365401	0.010069233	0.001545522	163.5905195	7.00389E-05	0.025714152
LOS ANGELES	2024	LDA	Aggregated	Aggregated	GAS	4116236.085	153254097	19419687.67	14.01394746	9.113836597	153.5119876	0.316433041	7.559784172	0.290948501	2.99857361	0.451134188	46532.08129	1.359889245	1.195226367
LOS ANGELES	2024	LDA	Aggregated	Aggregated	DSL	39426.20875	1524143.418	187277.9574	0.028186076	0.091451899	0.46836402	0.011468853	0.075183604	0.010972715	0.029821429	0.003256417	344.4633481	0.001309189	0.054144841
LOS ANGELES	2024	LDA	Aggregated	Aggregated	ELEC	108760.0057	4606816.53	541506.4814	0.006513202	0	0	0	0.227247032	0	0.090137091	0	0	0	0
LOS ANGELES	2024	LDT1	Aggregated	Aggregated	GAS	494837.5912	18036183.16	2293057.295	3.760688961	2.427357601	29.37453245	0.052513236	0.889696619	0.048284708	0.352896424	0.061773628	6371.619748	0.272142682	0.211934467
LOS ANGELES	2024	LDT1	Aggregated	Aggregated	DSL	239.6097239	5792.696626	847.7250828	0.001107748	0.005934429	0.006580695	0.000822761	0.000285745	0.000787169	0.00011334	2.75128E-05	2.910301242	5.14528E-05	0.000457459
LOS ANGELES	2024	LDT1	Aggregated	Aggregated	ELEC	5956.425776	258843.1671	29864.61	0.000357684	0	0	0	0.012768327	0	0.005064532	0	0	0	0
LOS ANGELES	2024	LDT2	Aggregated	Aggregated	GAS	1446244.823	53548483.34	6797962.893	7.789187344	5.784023972	72.03831811	0.1177248	2.641462674	0.108244244	1.047731005	0.193274843	19935.26752	0.684940882	0.562529006
LOS ANGELES	2024	LDT2	Aggregated	Aggregated	DSL	10688.55158	433988.6515	52394.50005	0.010680988	0.020417336	0.0958651	0.002525975	0.021407979	0.002416702	0.008491433	0.001258531	133.1272735	0.000496111	0.020925753
LOS ANGELES	2024	LDT2	Aggregated	Aggregated	ELEC	22868.95176	716376.6957	115104.5872	0.001375732	0	0	0	0.035337739	0	0.014016645	0	0	0	0
LOS ANGELES	2024	LHD1	Aggregated	Aggregated	GAS	107107.329	3837942.251	1595739.613	1.923515741	1.529125948	6.217066581	0.00638685	0.357232468	0.005872473	0.147055905	0.033684072	3403.871935	0.076692595	0.112377866
LOS ANGELES	2024	LHD1	Aggregated	Aggregated	DSL	75659.92974	3110121.54	951706.7359	0.214761155	3.321785466	1.089133153	0.041641956	0.303200811	0.039840543	0.1225968	0.014734821	1558.647176	0.009975245	0.244997631
LOS ANGELES	2024	LHD2	Aggregated	Aggregated	GAS	18386.11912	636642.4367	273925.7795	0.293361462	0.262231362	0.891888848	0.000959685	0.068198801	0.000882395	0.028225518	0.006416096	648.3648858	0.012023328	0.019520906
LOS ANGELES	2024	LHD2	Aggregated	Aggregated	DSL	30662.47325	1211866.91	385695.3401	0.082971941	1.245263877	0.419855874	0.019712333	0.135161769	0.018859586	0.055063927	0.006377713	674.6335691	0.003853888	0.106043002
LOS ANGELES	2024	MCY	Aggregated	Aggregated	GAS	194917.9854	1339730.795	389835.9708	6.420094959	1.787610318	31.47272106	0.005043429	0.023274374	0.004715027	0.008919874	0.003532938	357.0134831	0.664137392	0.103213117
LOS ANGELES	2024	MDV	Aggregated	Aggregated	GAS	960343.1935	33066846	4461450.502	5.942326849	4.585698369	51.28011041	0.075622638	1.631135637	0.069535313	0.646986761	0.1472524	15188.29835	0.533863783	0.41499574
LOS ANGELES	2024	MDV	Aggregated	Aggregated	DSL	23435.64201	890977.0436	114506.0621	0.01387388	0.036751231	0.271008231	0.004352406	0.0439505	0.004164123	0.01743288	0.003340714	353.3802778	0.000644415	0.055546459
LOS ANGELES	2024	MDV	Aggregated	Aggregated	ELEC	13797.5581	444370.1962	70078.95685	0.00083348	0	0	0	0.021920085	0	0.008694559	0	0	0	0
LOS ANGELES	2024	MH	Aggregated	Aggregated	GAS	19619.12788	198262.4986	1962.697553	0.015126996	0.058585092	0.230420706	0.000300651	0.031107979	0.000276437	0.012863676	0.003517001	355.4030663	0.002129126	0.004201365
LOS ANGELES	2024	MH	Aggregated	Aggregated	DSL	6733.817582	68909.9733	673.3817582	0.004885556	0.243574541	0.018899668	0.004945538	0.011116022	0.004731597	0.00454698	0.000676311	71.54011843	0.000226925	0.01124511
LOS ANGELES	2024	Motor Coach	Aggregated	Aggregated	DSL	692.3865446	96422.70551	10108.84355	0.004813342	0.288617186	0.06468535	0.001729876	0.015129011	0.001655042	0.006256102	0.001512756	160.1222466	0.000223567	0.025168987
LOS ANGELES	2024	OBUS	Aggregated	Aggregated	GAS	4013.566193	160611.9813	80303.43239	0.06182264	0.098794345	0.522289512	0.000208048	0.0252005	0.000191293	0.010420834	0.002932719	296.3596858	0.005308358	0.005791888
LOS ANGELES	2024	PTO	Aggregated	Aggregated	DSL	0	80804.35604	0	0.00221165	0.384455731	0.035440556	0.000406452	0	0.000388869	0	0.001639957	173.5862692	0.000102725	0.027285344
LOS ANGELES	2024	SBUS	Aggregated	Aggregated	GAS	1602.639267	63772.44869	6410.557069	0.027745259	0.030875927	0.263702148	8.59711E-05	0.05291965	7.90473E-05	0.022579426	0.000636273	64.29722751	0.005271716	0.002047692
LOS ANGELES	2024	SBUS	Aggregated	Aggregated	DSL	3919.441666	123729.7021	45229.81341	0.01567198	1.083707652	0.072896253	0.005194762	0.10321893	0.004970039	0.043944423	0.001687849	178.6555655	0.000727923	0.028082167
LOS ANGELES	2024	T6 Ag	Aggregated	Aggregated	DSL	12.05761943	92.02238142	53.05352549	1.63058E-06	0.000465336	3.78791E-05	1.2004E-06	1.44386E-05	1.14847E-06	5.9706E-06	1.12231E-06	0.118793927	7.57361E-08	1.86728E-05
LOS ANGELES	2024	T6 CAIRP heavy	Aggregated	Aggregated	DSL	364.8958628	69605.216	5327.479597	0.000541654	0.087955216	0.006219206	0.000448195	0.010921267	0.000428806	0.004516129	0.000604143	63.94737191	2.51584E-05	0.010051636
LOS ANGELES	2024	T6 CAIRP small	Aggregated	Aggregated	DSL	193.7506093	9851.189531	2828.758896	8.49723E-05	0.016069068	0.001213253	6.49009E-05	0.001545681	6.20933E-05	0.000639165	9.18315E-05	9.720186004	3.94675E-06	0.001527878
LOS ANGELES	2024	5 instate construction heav	Aggregated	Aggregated	DSL	2676.133971	174496.7049	12098.69764	0.002451607	0.338297891	0.023294075	0.001854971	0.027379055	0.001774725	0.011321703	0.00171527	181.5580219	0.000113871	0.028538393
LOS ANGELES	2024	6 instate construction sma	Aggregated	Aggregated	DSL	8415.600524	462439.154	38046.60277	0.004299338	0.758992479	0.058552527	0.003610159	0.072558087	0.003453985	0.030003997	0.004498682	476.1767411	0.000199693	0.074848353
LOS ANGELES	2024	T6 instate heavy	Aggregated	Aggregated	DSL	11424.50101	1542886.662	131837.1577	0.012935067	2.329260271	0.153968646	0.011357828	0.242083534	0.010866493	0.10010564	0.014011004	1483.037639	0.0006008	0.233112864
LOS ANGELES	2024	T6 instate small	Aggregated	Aggregated	DSL	40265.57798	2079152.747	464659.1872	0.018877914	3.91487883	0.265742343	0.015536095	0.326225287	0.014864011	0.13489968	0.020073364	2124.726664	0.00087683	0.333977443
LOS ANGELES	2024	T6 OOS heavy	Aggregated	Aggregated	DSL	211.2915399	40380.48061	3084.856482	0.000313919	0.050925312	0.003603764	0.000259456	0.006335818	0.000248232	0.002619968	0.000350277	37.07609839	1.45807E-05	0.005827846
LOS ANGELES	2024	T6 OOS small	Aggregated	Aggregated	DSL	110.7928558	5599.998854	1617.575695	4.84236E-05	0.009176155	0.000692155	3.70534E-05	0.000878657	3.54505E-05	0.000363339	5.22644E-05	5.53208796	2.24915E-06	0.000869567
LOS ANGELES	2024	T6 Public	Aggregated	Aggregated	DSL	4600.890676	72378.98569	13956.03504	0.004439015	0.489789858	0.050212788	0.001937861	0.011356479	0.00185403	0.004696097	0.000905617	95.85782334	0.000206181	0.015067515
LOS ANGELES	2024	T6 utility	Aggregated	Aggregated	DSL	1042.333884	17403.55281	11986.83966	0.000270698	0.050740279	0.007788018	7.75219E-05	0.00273067	7.41683E-05	0.001129178	0.0001834	19.41251241	1.25732E-05	0.003051377
LOS ANGELES	2024	T6TS	Aggregated	Aggregated	GAS	14933.06448	821324.3121	298780.7541	0.284121886	0.414675698	2.622055811	0.001155167	0.128868242	0.001062134	0.0532892	0.014806446	1496.233762	0.025370003	0.026071744
LOS ANGELES	2024	T7 Ag	Aggregated	Aggregated	DSL	6.009096854	73.97272745	26.44002616	6.49688E-06	0.000527259	8.99464E-05	1.93897E-06	7.96981E-06	1.85509E-06	2.89144E-06	1.41262E-06	0.149522835	3.01763E-07	2.35029E-05
LOS ANGELES	2024	T7 CAIRP	Aggregated	Aggregated	DSL	6457.8494	1175419.863	94284.60124	0.098223265	4.293382442	1.363799167	0.026371057	0.126639627	0.025230257	0.045944763	0.017129731	1813.148827	0.004562216	0.285001746
LOS ANGELES	2024	T7 CAIRP construction	Aggregated	Aggregated	DSL	685.8883869	125342.499	3100.87473	0.003715853	0.361080555	0.045752773	0.002687908	0.013504389	0.002571631	0.004899382	0.001729027	183.0141194	0.000172592	0.028767271
LOS ANGELES	2024	T7 NNOOS	Aggregated	Aggregated	DSL	7393.75045	1432863.068	107948.7566	0.131593398	4.776857127	1.849196319	0.025730756	0.154376534	0.024617655	0.056007693	0.019692767	2084.441248	0.006112173	0.327645137
LOS ANGELES	2024	T7 NOOS	Aggregated	Aggregated	DSL	2566.537268	461836.3912	37471.44411	0.046059528	1.77883222	0.646129325	0.010419109	0.04975821	0.009968383	0.018052242	0.006906797	731.071088	0.002139346	0.114914194
LOS ANGELES	2024	T7 POLA	Aggregated	Aggregated	DSL	8741.9427	1195541.843	66438.76452	0.065331506	5.036559628	0.902142813	0.027559798	0.128807568	0.026367573	0.046731291	0.019644822	2079.366302	0.003034479	0.326847426
LOS ANGELES	2024	T7 Public	Aggregated	Aggregated	DSL	5626.024305	113978.9385	17065.60704	0.01590113	1.175118459	0.112855955	0.006108275	0.01228008	0.005844033	0.004455204	0.002017017	213.4973603	0.000738566	0.033558812
LOS ANGELES	2024	T7 Single	Aggregated	Aggregated	DSL	6194.688163	406946.8885	71485.84254	0.021560011	1.289636891	0.294357022	0.005629532	0.04384442	0.005386001	0.015906723	0.006170346	653.1191155	0.001001407	0.10266123
LOS ANGELES	2024	T7 single construction	Aggregated	Aggregated	DSL	4448.629899	310951.6857	20112.08281	0.014432382	0.934391223	0.175118086	0.005014422	0.033501906	0.004797501	0.012154467	0.00458673	485.4964742	0.000670347	0.076313285
LOS ANGELES	2024	T7 SWCV	Aggregated	Aggregated	DSL	1153.829846	47142.48692	4499.936399	0.001721061	1.073944021	0.007586295	0.00113492	0.005079127	0.001085824	0.001842704	0.002461923	260.5897629	7.99388E-05	0.040961082
LOS ANGELES	2024	T7 SWCV	Aggregated	Aggregated	NG	2967.934822	120873.8865	11574.94581	0.036938747	0.403941159	1.893254344	0.000880903	0.013022941	0.000842795	0.004724714	0	452.8969424	0.646601272	0.092326004
LOS ANGELES	2024	T7 tractor	Aggregated	Aggregated	DSL	13029.73414	1706073.809	165477.6236	0.061270089	5.302168478	0.780357777	0.036746805	0.183812234	0.035157155	0.066686943	0.023572956	2495.151709	0.002845837	0.392203102
LOS ANGELES	2024	T7 tractor construction	Aggregated	Aggregated	DSL	3767.089352	256507.7642	17030.8645	0.01245799	0.929425181	0.157601093	0.005977492	0.027636123	0.005718909	0.010026365	0.003805936	402.8509061	0.000578641	0.063322552
LOS ANGELES	2024	T7 utility	Aggregated	Aggregated	DSL	414.5877733	8411.347954	4767.759393	0.000407552	0.035093704	0.005594928	7.50624E-05	0.000906238	7.18153E-05	0.000328782	0.000139405	14.75571498	1.89298E-05	0.002319393
LOS ANGELES	2024	T7IS	Aggregated	Aggregated	GAS	52.34072203	6205.870846	1047.233166	0.003774835	0.025092934	0.222030211	9.47432E-06	0.000559167	8.71129E-06	0.000215212	0.000134951	13.63718642	0.000610634	0.000962014
LOS ANGELES	2024	UBUS	Aggregated	Aggregated	GAS	469.2067601	33977.63894	1876.82704	0.002334548	0.009904589	0.026480891	7.13082E-05	0.005057559	6.55652E-05	0.002091595	0.000691699	69.89817445	0.000426078	0.000884811
LOS ANGELES	2024	UBUS	Aggregated	Aggregated	DSL	31.1389	4437.958414	124.5556	5.65727E-06	0.004051263	0.000673372	3.01379E-05	0.000478145	2.88342E-05	0.000173471	7.06576E-05	7.474150504	0.000395945	0.001174832
LOS ANGELES	2024	UBUS	Aggregated	Aggregated	ELEC	14	1217.553685	56	0	0	0	0	0.000183804	0	7.52018E-05	0	0	0	0
LOS ANGELES	2024	UBUS	Aggregated	Aggregated	NG	4233.317372	448601.2989	16933.26949	0.044831846	0.23913233	24.28699033	0.001656797	0.050503131	0.001585125	0.018686225	0	987.2014383	3.127317486	0.201247471
					Total:	7861205.138	291022944.1	39472354.23	41.52652202	68.83003545	384.3292278	0.861952504	15.99114705	0.803256124	6.345098342	1.106261863	115908.3916	7.458812739	6.055546472

	ROG	NOx	CO	PM10 Ex	PM10 D	PM2.5 Ex	PM2.5 D	SO2	CO2	CH4	N2O
g/mile:	0.129447773	0.214559138	1.198043083	0.002686905	0.049848103	0.002503935	0.019779139	0.003448474	361.3132616	0.023250844	0.018876539

Project Operational Mobile Emissions

Year	VMT/day[a]	VMT/yr[b]	Pounds per day									
			ROG	NOx	CO	PM10 Ex	PM2.5 Ex	PM10 D	PM2.5 D	PM10 T	PM2.5 T	SO2
2024	6839	2373133	1.95	3.23	18.06	0.04	0.04	6.55	1.17	6.59	1.21	0.05

[a] *Daily VMT provided from City of Los Angeles VMT Calculator for 1489 Sunset Boulevard Project.*

[b] *Annual VMT values derived from Daily VMT values multiplied by 347, per CARB methodology (CARB 2008)*

Project Onsite Operational Mobile Emissions

	Pounds per day									
Year	**ROG**	**NOx**	**CO**	**PM10 Ex**	**PM2.5 Ex**	**PM10 D**	**PM2.5 D**	**PM10 T**	**PM2.5 T**	**SO2**
2024	0.10	0.16	0.90	0.00	0.00	0.33	0.06	0.33	0.06	0.00

% of daily emissions:	5%

1489 Sunset - Operations

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	116.00	Space	0.00	58,910.00	0
High Turnover (Sit Down Restaurant)	8.00	1000sqft	0.00	8,000.00	0
Apartments Mid Rise	141.00	Dwelling Unit	9.40	84,015.00	403

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2024
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	625	**CH4 Intensity (lb/MWhr)**	0.025	**N2O Intensity (lb/MWhr)**	0.003

1.3 User Entered Comments & Non-Default Data

1489 Sunset - Operations - Los Angeles-South Coast County, Summer

Project Characteristics - LADWP intensity factors accounting for RPS

Land Use - Project land uses and square footages

Construction Phase - Operations only

Trips and VMT - Operations only

Grading -

Architectural Coating - Operations only

Vehicle Trips - Operational mobile emissions calculated outside of CalEEMod

Woodstoves - No fireplaces

Energy Use -

Water Mitigation - CALGreen

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	4,000.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	12,000.00	0.00
tblArchitecturalCoating	ConstArea_Parking	3,535.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	56,710.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Interior	170,130.00	0.00
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	NumDays	10.00	0.00
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	NumDays	230.00	0.00
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	PhaseEndDate	9/28/2022	8/31/2022
tblConstructionPhase	PhaseEndDate	10/12/2022	9/28/2022
tblConstructionPhase	PhaseEndDate	11/9/2022	10/12/2022

1489 Sunset - Operations - Los Angeles-South Coast County, Summer

tblConstructionPhase	PhaseEndDate	9/27/2023	11/9/2022
tblConstructionPhase	PhaseEndDate	10/25/2023	9/27/2023
tblConstructionPhase	PhaseEndDate	11/22/2023	10/25/2023
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	119.85	0.00
tblFireplaces	NumberNoFireplace	14.10	141.00
tblFireplaces	NumberWood	7.05	0.00
tblLandUse	LandUseSquareFeet	46,400.00	58,910.00
tblLandUse	LandUseSquareFeet	141,000.00	84,015.00
tblLandUse	LotAcreage	1.04	0.00
tblLandUse	LotAcreage	0.18	0.00
tblLandUse	LotAcreage	3.71	9.40
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.025
tblProjectCharacteristics	CO2IntensityFactor	1227.89	625
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.003
tblTripsAndVMT	VendorTripNumber	26.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00
tblTripsAndVMT	WorkerTripNumber	18.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00
tblTripsAndVMT	WorkerTripNumber	130.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00
tblTripsAndVMT	WorkerTripNumber	26.00	0.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	158.37	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	131.84	0.00
tblVehicleTrips	WD_TR	6.65	0.00

tblVehicleTrips	WD_TR	127.15	0.00
tblWoodstoves	NumberCatalytic	7.05	0.00
tblWoodstoves	NumberNoncatalytic	7.05	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

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					
2022	0.0000	0.0000	0.0000	0.0000	0.0000	4.6051	0.0000	0.0000	4.2656	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2023	0.0000	0.0000	0.0000	0.0000	0.0000	0.5810	0.0000	0.0000	0.5402	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**4.6051**	**0.0000**	**0.0000**	**4.2656**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	0.0000	0.0000	0.0000	0.0000	0.0000	4.6051	0.0000	0.0000	4.2656	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2023	0.0000	0.0000	0.0000	0.0000	0.0000	0.5810	0.0000	0.0000	0.5402	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**4.6051**	**0.0000**	**0.0000**	**4.2656**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.3624	0.1341	11.6404	6.2000e-004		0.0645	0.0645		0.0645	0.0645	0.0000	20.9730	20.9730	0.0202	0.0000	21.4772
Energy	0.0929	0.8240	0.5562	5.0700e-003		0.0642	0.0642		0.0642	0.0642		1,013.9141	1,013.9141	0.0194	0.0186	1,019.9393
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
Total	**2.4553**	**0.9581**	**12.1966**	**5.6900e-003**	**0.0000**	**0.1287**	**0.1287**	**0.0000**	**0.1287**	**0.1287**	**0.0000**	**1,034.8871**	**1,034.8871**	**0.0396**	**0.0186**	**1,041.4165**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.3624	0.1341	11.6404	6.2000e-004		0.0645	0.0645		0.0645	0.0645	0.0000	20.9730	20.9730	0.0202	0.0000	21.4772
Energy	0.0929	0.8240	0.5562	5.0700e-003		0.0642	0.0642		0.0642	0.0642		1,013.9141	1,013.9141	0.0194	0.0186	1,019.9393
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
Total	**2.4553**	**0.9581**	**12.1966**	**5.6900e-003**	**0.0000**	**0.1287**	**0.1287**	**0.0000**	**0.1287**	**0.1287**	**0.0000**	**1,034.8871**	**1,034.8871**	**0.0396**	**0.0186**	**1,041.4165**

	ROG	NOx	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**

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	9/1/2022	8/31/2022	5	0	
2	Site Preparation	Site Preparation	9/29/2022	9/28/2022	5	0	
3	Grading	Grading	10/13/2022	10/12/2022	5	0	
4	Building Construction	Building Construction	11/10/2022	11/9/2022	5	0	
5	Paving	Paving	9/28/2023	9/27/2023	5	0	
6	Architectural Coating	Architectural Coating	10/26/2023	10/25/2023	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

1489 Sunset - Operations - Los Angeles-South Coast County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Demolition	Excavators	3	8.00	158	0.38
Grading	Excavators	1	8.00	158	0.38
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	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	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Paving	Paving Equipment	2	8.00	132	0.36
Architectural Coating	Air Compressors	1	6.00	78	0.48
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
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
Demolition	6	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2022

Unmitigated Construction On-Site

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

3.2 Demolition - 2022

Unmitigated Construction Off-Site

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

Mitigated Construction On-Site

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

3.2 Demolition - 2022

Mitigated Construction Off-Site

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

3.3 Site Preparation - 2022

Unmitigated Construction On-Site

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

3.3 Site Preparation - 2022

Unmitigated Construction Off-Site

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

Mitigated Construction On-Site

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

3.3 Site Preparation - 2022

Mitigated Construction Off-Site

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

3.4 Grading - 2022

Unmitigated Construction On-Site

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

3.4 Grading - 2022

Unmitigated Construction Off-Site

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

Mitigated Construction On-Site

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

3.4 Grading - 2022

Mitigated Construction Off-Site

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

3.5 Building Construction - 2022

Unmitigated Construction On-Site

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

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

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

Mitigated Construction On-Site

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

3.5 Building Construction - 2022

Mitigated Construction Off-Site

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

3.6 Paving - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.6 Paving - 2023

Unmitigated Construction Off-Site

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

Mitigated Construction On-Site

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

3.6 Paving - 2023

Mitigated Construction Off-Site

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

3.7 Architectural Coating - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.7 Architectural Coating - 2023

Unmitigated Construction Off-Site

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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.7 Architectural Coating - 2023

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
High Turnover (Sit Down	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
Enclosed Parking with Elevator	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
High Turnover (Sit Down Restaurant)	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0929	0.8240	0.5562	5.0700e-003		0.0642	0.0642		0.0642	0.0642		1,013.9141	1,013.9141	0.0194	0.0186	1,019.9393
NaturalGas Unmitigated	0.0929	0.8240	0.5562	5.0700e-003		0.0642	0.0642		0.0642	0.0642		1,013.9141	1,013.9141	0.0194	0.0186	1,019.9393

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	3560.52	0.0384	0.3281	0.1396	2.0900e-003		0.0265	0.0265		0.0265	0.0265		418.8843	418.8843	8.0300e-003	7.6800e-003	421.3735
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
High Turnover (Sit Down Restaurant)	5057.75	0.0545	0.4959	0.4165	2.9800e-003		0.0377	0.0377		0.0377	0.0377		595.0298	595.0298	0.0114	0.0109	598.5658
Total		**0.0929**	**0.8240**	**0.5562**	**5.0700e-003**		**0.0642**	**0.0642**		**0.0642**	**0.0642**		**1,013.9141**	**1,013.9141**	**0.0194**	**0.0186**	**1,019.9393**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	3.56052	0.0384	0.3281	0.1396	2.0900e-003		0.0265	0.0265		0.0265	0.0265		418.8843	418.8843	8.0300e-003	7.6800e-003	421.3735
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
High Turnover (Sit Down Restaurant)	5.05775	0.0545	0.4959	0.4165	2.9800e-003		0.0377	0.0377		0.0377	0.0377		595.0298	595.0298	0.0114	0.0109	598.5658
Total		**0.0929**	**0.8240**	**0.5562**	**5.0700e-003**		**0.0642**	**0.0642**		**0.0642**	**0.0642**		**1,013.9141**	**1,013.9141**	**0.0194**	**0.0186**	**1,019.9393**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.3624	0.1341	11.6404	6.2000e-004		0.0645	0.0645		0.0645	0.0645	0.0000	20.9730	20.9730	0.0202	0.0000	21.4772
Unmitigated	2.3624	0.1341	11.6404	6.2000e-004		0.0645	0.0645		0.0645	0.0645	0.0000	20.9730	20.9730	0.0202	0.0000	21.4772

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1688					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.8428					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.3508	0.1341	11.6404	6.2000e-004		0.0645	0.0645		0.0645	0.0645		20.9730	20.9730	0.0202		21.4772
Total	**2.3624**	**0.1341**	**11.6404**	**6.2000e-004**		**0.0645**	**0.0645**		**0.0645**	**0.0645**	**0.0000**	**20.9730**	**20.9730**	**0.0202**	**0.0000**	**21.4772**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1688					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.8428					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.3508	0.1341	11.6404	6.2000e-004		0.0645	0.0645		0.0645	0.0645		20.9730	20.9730	0.0202		21.4772
Total	**2.3624**	**0.1341**	**11.6404**	**6.2000e-004**		**0.0645**	**0.0645**		**0.0645**	**0.0645**	**0.0000**	**20.9730**	**20.9730**	**0.0202**	**0.0000**	**21.4772**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

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

1489 Sunset - Operations

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	116.00	Space	0.00	58,910.00	0
High Turnover (Sit Down Restaurant)	8.00	1000sqft	0.00	8,000.00	0
Apartments Mid Rise	141.00	Dwelling Unit	9.40	84,015.00	403

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2024
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	625	**CH4 Intensity (lb/MWhr)**	0.025	**N2O Intensity (lb/MWhr)**	0.003

1.3 User Entered Comments & Non-Default Data

1489 Sunset - Operations - Los Angeles-South Coast County, Winter

Project Characteristics - LADWP intensity factors accounting for RPS

Land Use - Project land uses and square footages

Construction Phase - Operations only

Trips and VMT - Operations only

Grading -

Architectural Coating - Operations only

Vehicle Trips - Operational mobile emissions calculated outside of CalEEMod

Woodstoves - No fireplaces

Energy Use -

Water Mitigation - CALGreen

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	4,000.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	12,000.00	0.00
tblArchitecturalCoating	ConstArea_Parking	3,535.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	56,710.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Interior	170,130.00	0.00
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	NumDays	10.00	0.00
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	NumDays	230.00	0.00
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	PhaseEndDate	9/28/2022	8/31/2022
tblConstructionPhase	PhaseEndDate	10/12/2022	9/28/2022
tblConstructionPhase	PhaseEndDate	11/9/2022	10/12/2022

1489 Sunset - Operations - Los Angeles-South Coast County, Winter

tblConstructionPhase	PhaseEndDate	9/27/2023	11/9/2022
tblConstructionPhase	PhaseEndDate	10/25/2023	9/27/2023
tblConstructionPhase	PhaseEndDate	11/22/2023	10/25/2023
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	119.85	0.00
tblFireplaces	NumberNoFireplace	14.10	141.00
tblFireplaces	NumberWood	7.05	0.00
tblLandUse	LandUseSquareFeet	46,400.00	58,910.00
tblLandUse	LandUseSquareFeet	141,000.00	84,015.00
tblLandUse	LotAcreage	1.04	0.00
tblLandUse	LotAcreage	0.18	0.00
tblLandUse	LotAcreage	3.71	9.40
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.025
tblProjectCharacteristics	CO2IntensityFactor	1227.89	625
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.003
tblTripsAndVMT	VendorTripNumber	26.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00
tblTripsAndVMT	WorkerTripNumber	18.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00
tblTripsAndVMT	WorkerTripNumber	130.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00
tblTripsAndVMT	WorkerTripNumber	26.00	0.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	158.37	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	131.84	0.00
tblVehicleTrips	WD_TR	6.65	0.00

tblVehicleTrips	WD_TR	127.15	0.00
tblWoodstoves	NumberCatalytic	7.05	0.00
tblWoodstoves	NumberNoncatalytic	7.05	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

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					
2022	0.0000	0.0000	0.0000	0.0000	0.0000	4.6051	0.0000	0.0000	4.2656	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2023	0.0000	0.0000	0.0000	0.0000	0.0000	0.5810	0.0000	0.0000	0.5402	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**4.6051**	**0.0000**	**0.0000**	**4.2656**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	0.0000	0.0000	0.0000	0.0000	0.0000	4.6051	0.0000	0.0000	4.2656	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2023	0.0000	0.0000	0.0000	0.0000	0.0000	0.5810	0.0000	0.0000	0.5402	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**4.6051**	**0.0000**	**0.0000**	**4.2656**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.3624	0.1341	11.6404	6.2000e-004		0.0645	0.0645		0.0645	0.0645	0.0000	20.9730	20.9730	0.0202	0.0000	21.4772
Energy	0.0929	0.8240	0.5562	5.0700e-003		0.0642	0.0642		0.0642	0.0642		1,013.9141	1,013.9141	0.0194	0.0186	1,019.9393
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
Total	**2.4553**	**0.9581**	**12.1966**	**5.6900e-003**	**0.0000**	**0.1287**	**0.1287**	**0.0000**	**0.1287**	**0.1287**	**0.0000**	**1,034.8871**	**1,034.8871**	**0.0396**	**0.0186**	**1,041.4165**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.3624	0.1341	11.6404	6.2000e-004		0.0645	0.0645		0.0645	0.0645	0.0000	20.9730	20.9730	0.0202	0.0000	21.4772
Energy	0.0929	0.8240	0.5562	5.0700e-003		0.0642	0.0642		0.0642	0.0642		1,013.9141	1,013.9141	0.0194	0.0186	1,019.9393
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
Total	**2.4553**	**0.9581**	**12.1966**	**5.6900e-003**	**0.0000**	**0.1287**	**0.1287**	**0.0000**	**0.1287**	**0.1287**	**0.0000**	**1,034.8871**	**1,034.8871**	**0.0396**	**0.0186**	**1,041.4165**

	ROG	NOx	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**

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	9/1/2022	8/31/2022	5	0	
2	Site Preparation	Site Preparation	9/29/2022	9/28/2022	5	0	
3	Grading	Grading	10/13/2022	10/12/2022	5	0	
4	Building Construction	Building Construction	11/10/2022	11/9/2022	5	0	
5	Paving	Paving	9/28/2023	9/27/2023	5	0	
6	Architectural Coating	Architectural Coating	10/26/2023	10/25/2023	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

1489 Sunset - Operations - Los Angeles-South Coast County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Demolition	Excavators	3	8.00	158	0.38
Grading	Excavators	1	8.00	158	0.38
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	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	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Paving	Paving Equipment	2	8.00	132	0.36
Architectural Coating	Air Compressors	1	6.00	78	0.48
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
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
Demolition	6	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2022

Unmitigated Construction On-Site

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

3.2 Demolition - 2022

Unmitigated Construction Off-Site

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

Mitigated Construction On-Site

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

3.2 Demolition - 2022

Mitigated Construction Off-Site

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

3.3 Site Preparation - 2022

Unmitigated Construction On-Site

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

3.3 Site Preparation - 2022

Unmitigated Construction Off-Site

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

Mitigated Construction On-Site

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

3.3 Site Preparation - 2022

Mitigated Construction Off-Site

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

3.4 Grading - 2022

Unmitigated Construction On-Site

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

3.4 Grading - 2022

Unmitigated Construction Off-Site

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

Mitigated Construction On-Site

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

3.4 Grading - 2022

Mitigated Construction Off-Site

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

3.5 Building Construction - 2022

Unmitigated Construction On-Site

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

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

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

Mitigated Construction On-Site

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

3.5 Building Construction - 2022

Mitigated Construction Off-Site

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

3.6 Paving - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.6 Paving - 2023

Unmitigated Construction Off-Site

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

Mitigated Construction On-Site

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

3.6 Paving - 2023

Mitigated Construction Off-Site

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

3.7 Architectural Coating - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.7 Architectural Coating - 2023

Unmitigated Construction Off-Site

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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.7 Architectural Coating - 2023

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
High Turnover (Sit Down	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
Enclosed Parking with Elevator	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
High Turnover (Sit Down Restaurant)	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0929	0.8240	0.5562	5.0700e-003		0.0642	0.0642		0.0642	0.0642		1,013.9141	1,013.9141	0.0194	0.0186	1,019.9393
NaturalGas Unmitigated	0.0929	0.8240	0.5562	5.0700e-003		0.0642	0.0642		0.0642	0.0642		1,013.9141	1,013.9141	0.0194	0.0186	1,019.9393

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	3560.52	0.0384	0.3281	0.1396	2.0900e-003		0.0265	0.0265		0.0265	0.0265		418.8843	418.8843	8.0300e-003	7.6800e-003	421.3735
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
High Turnover (Sit Down Restaurant)	5057.75	0.0545	0.4959	0.4165	2.9800e-003		0.0377	0.0377		0.0377	0.0377		595.0298	595.0298	0.0114	0.0109	598.5658
Total		**0.0929**	**0.8240**	**0.5562**	**5.0700e-003**		**0.0642**	**0.0642**		**0.0642**	**0.0642**		**1,013.9141**	**1,013.9141**	**0.0194**	**0.0186**	**1,019.9393**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	3.56052	0.0384	0.3281	0.1396	2.0900e-003		0.0265	0.0265		0.0265	0.0265		418.8843	418.8843	8.0300e-003	7.6800e-003	421.3735
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
High Turnover (Sit Down Restaurant)	5.05775	0.0545	0.4959	0.4165	2.9800e-003		0.0377	0.0377		0.0377	0.0377		595.0298	595.0298	0.0114	0.0109	598.5658
Total		**0.0929**	**0.8240**	**0.5562**	**5.0700e-003**		**0.0642**	**0.0642**		**0.0642**	**0.0642**		**1,013.9141**	**1,013.9141**	**0.0194**	**0.0186**	**1,019.9393**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.3624	0.1341	11.6404	6.2000e-004		0.0645	0.0645		0.0645	0.0645	0.0000	20.9730	20.9730	0.0202	0.0000	21.4772
Unmitigated	2.3624	0.1341	11.6404	6.2000e-004		0.0645	0.0645		0.0645	0.0645	0.0000	20.9730	20.9730	0.0202	0.0000	21.4772

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1688					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.8428					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.3508	0.1341	11.6404	6.2000e-004		0.0645	0.0645		0.0645	0.0645		20.9730	20.9730	0.0202		21.4772
Total	**2.3624**	**0.1341**	**11.6404**	**6.2000e-004**		**0.0645**	**0.0645**		**0.0645**	**0.0645**	**0.0000**	**20.9730**	**20.9730**	**0.0202**	**0.0000**	**21.4772**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1688					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.8428					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.3508	0.1341	11.6404	6.2000e-004		0.0645	0.0645		0.0645	0.0645		20.9730	20.9730	0.0202		21.4772
Total	**2.3624**	**0.1341**	**11.6404**	**6.2000e-004**		**0.0645**	**0.0645**		**0.0645**	**0.0645**	**0.0000**	**20.9730**	**20.9730**	**0.0202**	**0.0000**	**21.4772**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

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