

Appendix G
Air Quality Modeling Sheets



Appendices

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Regional Construction Emissions Worksheet

Grading (Site)											
	2014	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		4.4	35.65	19.89	0.03	5.79	1.64	7.43	3.18	1.64	4.82
Offsite											
	Hauling	0	0	0	0	0	0	0	0	0	0
	Vendor	0.06	0.64	0.45	0	0.03	0.02	0.06	0	0.02	0.03
	Worker	0.09	0.09	0.88	0	0.18	0.01	0.19	0.01	0.01	0.01
	Total	0.15	0.73	1.33	0	0.21	0.03	0.25	0.01	0.03	0.04
TOTAL	2014	4.55	36.38	21.22	0.03	6.00	1.67	7.68	3.19	1.67	4.86

Grading Haul 1 (Site)											
	2014	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		0	0	0	0	0.05	0	0.05	0.01	0	0.01
Offsite											
	Hauling	9.58	96.14	53.78	0.15	4.12	4.15	8.27	0.54	4.15	4.69
	Vendor	0	0	0	0	0	0	0	0	0	0
	Worker	0	0	0	0	0	0	0	0	0	0
	Total	9.58	96.14	53.78	0.15	4.12	4.15	8.27	0.54	4.15	4.69
TOTAL	2014	9.58	96.14	53.78	0.15	4.17	4.15	8.32	0.55	4.15	4.70

Grading+Grading Haul 1		14.13	132.52	75.00	0.18	10.17	5.82	16.00	3.74	5.82	9.56
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Grading Haul 2 (Site)											
	2014	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		0	0	0	0	0.05	0	0.05	0.01	0	0.01
Offsite											
	Hauling	9.57	96.01	53.7	0.15	4.64	4.14	8.78	0.54	4.14	4.68
	Vendor	0	0	0	0	0	0	0	0	0	0
	Worker	0	0	0	0	0	0	0	0	0	0
	Total	9.57	96.01	53.7	0.15	4.64	4.14	8.78	0.54	4.14	4.68
TOTAL	2014	9.57	96.01	53.70	0.15	4.69	4.14	8.83	0.55	4.14	4.69

Grading + Grading Haul 2		14.12	132.39	74.92	0.18	10.69	5.81	16.51	3.74	5.81	9.55
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District 29 Water Main Installation											
	2014	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		1.99	14.64	9.84	0.02	0	0.84	0.84	0	0.84	0.84
Offsite											
	Hauling	0	0	0	0	0	0	0	0	0	0
	Vendor	0.03	0.32	0.23	0	0.02	0.01	0.03	0	0.01	0.01
	Worker	0.09	0.09	0.88	0	0.18	0.01	0.19	0.01	0.01	0.01
	Total	0.12	0.41	1.11	0	0.2	0.02	0.22	0.01	0.02	0.02
TOTAL	2014	2.11	15.05	10.95	0.02	0.20	0.86	1.06	0.01	0.86	0.86

District 29 Water Main Soil Haul											
	2014	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		0	0	0	0	0	0	0	0	0	0
Offsite											
	Hauling	0.05	0.34	0.46	0	0.003	0.01	0.013	0	0.01	0.01
	Vendor	0	0	0	0	0	0	0	0	0	0
	Worker	0	0	0	0	0	0	0	0	0	0
	Total	0.05	0.34	0.46	0	0.003	0.01	0.013	0	0.01	0.01
TOTAL	2014	0.05	0.34	0.46	0.00	0.00	0.01	0.01	0.00	0.01	0.01

Grading+Grading Haul 1+Water Main+WaterMainHaul		16.29	147.91	86.41	0.20	10.37	6.69	17.07	3.75	6.69	10.43
Grading+Grading Haul 2+Water Main		16.23	147.44	85.87	0.20	10.89	6.67	17.57	3.75	6.67	10.41

Paving (Homepads)											
	2014	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		1.62	6.88	5.33	0.01		0.55	0.55		0.55	0.55
Offsite											
	Hauling	0	0	0	0	0	0	0	0	0	0
	Vendor	0	0	0	0	0	0	0	0	0	0
	Worker	0.05	0.06	0.54	0	0.11	0	0.12	0	0	0.01
	Total	0.05	0.06	0.54	0	0.11	0	0.12	0	0	0.01
TOTAL	2014	1.67	6.94	5.87	0.01	0.11	0.55	0.67	0.00	0.55	0.56

Paving+Trenching (Water Main)		3.78	21.99	16.82	0.03	0.31	1.41	1.73	0.01	1.41	1.42
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Trenching (Road Hogging)											
	2014	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		0.67	4.48	3.69	0.01	0.35	0.35	0.35	0.35	0.35	0.35
Offsite		0.07	0.07	0.68	0	0.27	0.01	0.28	0.01	0.01	0.01
TOTAL	2014	0.74	4.55	4.37	0.01	0.27	0.36	0.63	0.01	0.36	0.36

Paving (Roadbase)											
	2014	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		4.07	23.02	12.65	0.02		1.04	1.04		1.04	1.04
Offsite											
	Hauling	0	0	0	0	0	0	0	0	0	0
	Vendor	0.53	5.46	3.83	0.01	0.29	0.19	0.48	0.02	0.19	0.21
	Worker	0.05	0.06	0.54	0	0.11	0	0.12	0	0	0.01
	Total	0.58	5.52	4.37	0.01	0.4	0.19	0.6	0.02	0.19	0.22
TOTAL	2014	4.65	28.54	17.02	0.03	0.40	1.23	1.64	0.02	1.23	1.26

Grading+Soil Haul		6.32	35.48	22.89	0.04	0.51	1.78	2.31	0.02	1.78	1.82
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Grading (Road)											
	2014	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		0.79	5.77	4.01	0.01	0.17	0.35	0.52	0	0.35	0.35
Offsite											
	Hauling	0	0	0	0	0	0	0	0	0	0
	Vendor	0.06	0.64	0.45	0	0.03	0.02	0.06	0	0.02	0.03
	Worker	0.03	0.04	0.34	0	0.07	0	0.07	0	0	0.01
	Total	0.09	0.68	0.79	0	0.1	0.02	0.13	0	0.02	0.04
TOTAL	2014	0.88	6.45	4.80	0.01	0.27	0.37	0.65	0.00	0.37	0.39

Paving (Road)											
	2014	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		1.74	10.07	7.19	0.01		0.65	0.65		0.65	0.65
Offsite											
	Hauling	0	0	0	0	0	0	0	0	0	0
	Vendor	0.06	0.64	0.45	0	0.03	0.02	0.06	0	0.02	0.03
	Worker	0.07	0.07	0.68	0	0.14	0.01	0.15	0.01	0.01	0.01
	Total	0.13	0.71	1.13	0	0.17	0.03	0.21	0.01	0.03	0.04
TOTAL	2014	1.87	10.78	8.32	0.01	0.17	0.68	0.86	0.01	0.68	0.69

Trenching (Site)											
	2014	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		0.1	0.11	1.02	0	0.23	0.01	0.24	0.01	0.01	0.02
Offsite		1.52	10.57	8.6	0.01		0.72	0.72		0.72	0.72
TOTAL	2014	1.62	10.68	9.62	0.01	0.23	0.73	0.96	0.01	0.73	0.74

Backfill/Fine Grading											
	2014	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		1.94	13.07	10.33	0.02	0	0.8	0.8	0	0.8	0.8
Offsite											
	Hauling	0	0	0	0	0	0	0	0	0	0
	Vendor	0.62	6.42	4.51	0.01	0.34	0.22	0.57	0.03	0.22	0.25
	Worker	0.41	0.42	4.07	0.01	0.84	0.03	0.87	0.03	0.03	0.07
	Total	1.03	6.84	8.58	0.02	1.18	0.25	1.44	0.06	0.25	0.32
TOTAL	2014	2.97	19.91	18.91	0.04	1.18	1.05	2.24	0.06	1.05	1.12

Pilings											
	2014	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		0.77	6.38	3.21	0.01		0.28	0.28		0.28	0.28
Offsite		0.05	0.06	0.54	0	0.11	0	0.12	0	0	0.01
TOTAL	2014	0.82	6.44	3.75	0.01	0.11	0.28	0.40	0.00	0.28	0.29

Skate Park											
	2014	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		0.88	6.6	3.72	0.01		0.37	0.37		0.37	0.37
Offsite		0.2	0.78	1.81	0	0.31	0.03	0.35	0.01	0.03	0.05
TOTAL	2014	1.08	7.38	5.53	0.01	0.31	0.40	0.72	0.01	0.40	0.42

	2015	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		0.82	6.03	3.68	0.01		0.33	0.33		0.33	0.33
Offsite		0.19	0.71	1.66	0	0.31	0.03	0.34	0.01	0.03	0.04
TOTAL	2015	1.01	6.74	5.34	0.01	0.31	0.36	0.67	0.01	0.36	0.37

Demolition (Maintenance Shed)											
	2014	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		0.33	2.24	1.84	0	0.05	0.18	0.23	0	0.18	0.18
Offsite											
	Hauling	0.1	1.03	0.61	0	0.04	0.04	0.08	0.01	0.04	0.05
	Vendor	0	0	0	0	0	0	0	0	0	0
	Worker	0.02	0.02	0.2	0	0.04	0	0.04	0	0	0
	Total	0.12	1.05	0.81	0	0.08	0.04	0.12	0.01	0.04	0.05
TOTAL	2014	0.45	3.29	2.65	0.00	0.13	0.22	0.35	0.01	0.22	0.23
Demo + Skate Park(2014)		0.63	4.09	2.88	0.01	0.18	0.18	0.37	0.00	0.18	0.19

Building Lots 1&2											
	2014	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		2.58	18.09	13.42	0.02		1.35	1.35		1.35	1.35
Offsite		0.1	0.97	0.75	0	0.06	0.03	0.09	0	0.03	0.04
TOTAL	2014	2.68	19.06	14.17	0.02	0.06	1.38	1.44	0.00	1.38	1.39

	2015	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		2.35	16.7	13.32	0.02		1.2	1.2		1.2	1.2
Offsite		0.09	0.88	0.68	0	0.06	0.03	0.09	0	0.03	0.03
TOTAL	2015	2.44	17.58	14.00	0.02	0.06	1.23	1.29	0.00	1.23	1.23

Bldg Lots 1&2(2014)+Skate Park(2014)		3.76	26.44	19.70	0.03	0.37	1.78	2.16	0.01	1.78	1.81
Bldg Lots 1&2(2015)+Skate Park(2015)		3.45	24.32	19.34	0.03	0.37	1.59	1.96	0.01	1.59	1.60

Building Lots 3&4											
	2015	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		2.35	16.7	13.32	0.02		1.2	1.2		1.2	1.2
Offsite		0.09	0.88	0.68	0	0.06	0.03	0.09	0	0.03	0.03
TOTAL	2015	2.44	17.58	14.00	0.02	0.06	1.23	1.29	0.00	1.23	1.23
Bldg Lots 3&4+Bldg Lots 1&2		4.88	35.16	28.00	0.04	0.12	2.46	2.58	0.00	2.46	2.46

Building Lot 5											
	2015	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		1.63	11.48	9.49	0.02		0.82	0.82		0.82	0.82
Offsite		0.08	0.87	0.62	0	0.05	0.03	0.08	0	0.03	0.03
TOTAL	2015	1.71	12.35	10.11	0.02	0.05	0.85	0.90	0.00	0.85	0.85
Bldg Lot 5+Bldg Lots 3&4		4.15	29.93	24.11	0.04	0.11	2.08	2.19	0.00	2.08	2.08

Finishing Homes Lots 1&2											
	2015	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		0.63	4.65	4.41	0.01		0.3	0.3		0.3	0.3
Offsite		0.07	0.59	0.47	0	0.04	0.02	0.06	0	0.02	0.02
TOTAL	2015	0.70	5.24	4.88	0.01	0.04	0.32	0.36	0.00	0.32	0.32
FinishHomesL1&2+BldgLots3&4+BldgLot5											
		4.85	35.17	28.99	0.05	0.15	2.40	2.55	0.00	2.40	2.40
	2016	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		0.57	4.24	4.39	0.01		0.25	0.25		0.25	0.25
Offsite		0.06	0.55	0.44	0	0.04	0.02	0.06	0	0.02	0.02
TOTAL	2016	0.63	4.79	4.83	0.01	0.04	0.27	0.31	0.00	0.27	0.27
Finishing Homes Lots 3&4											
	2015	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		0.43	3.31	3.21	0.01		0.19	0.19		0.19	0.19
Offsite		0.07	0.59	0.47	0	0.04	0.02	0.06	0	0.02	0.02
TOTAL	2015	0.50	3.90	3.68	0.01	0.04	0.21	0.25	0.00	0.21	0.21
	2016	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		0.39	3.02	3.19	0.01		0.16	0.16		0.16	0.16
Offsite		0.06	0.55	0.44	0	0.04	0.02	0.06	0	0.02	0.02
TOTAL	2016	0.45	3.57	3.63	0.01	0.04	0.18	0.22	0.00	0.18	0.18
Finishing Homes Lot 5											
	2015	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		0.4	3.12	3.06	0.01		0.19	0.19		0.19	0.19
Offsite		0.03	0.29	0.21	0	0.02	0.01	0.03	0	0.01	0.01
TOTAL	2015	0.43	3.41	3.27	0.01	0.02	0.20	0.22	0.00	0.20	0.20
	2016	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		0.36	2.84	3.04	0.01		0.15	0.15		0.15	0.15
Offsite		0.03	0.27	0.19	0	0.02	0.01	0.03	0	0.01	0.01
TOTAL	2016	0.39	3.11	3.23	0.01	0.02	0.16	0.18	0.00	0.16	0.16
	2017	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		0.34	2.6	3.03	0.01		0.13	0.13		0.13	0.13
Offsite		0.02	0.25	0.18	0	0.02	0.01	0.03	0	0.01	0.01
TOTAL	2017	0.36	2.85	3.21	0.01	0.02	0.14	0.16	0.00	0.14	0.14
Architectural Coating (Lots 1&2)											
	2016	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		2.12	2.37	1.88	0		0.2	0.2		0.2	0.2
Offsite		0	0	0	0	0	0	0	0	0	0
TOTAL	2016	2.12	2.37	1.88	0.00	0.00	0.20	0.20	0.00	0.20	0.20
ArchCoat1&2+FinishHomes1&2+FinishHomes3&4											
		3.20	10.73	10.34	0.02	0.08	0.65	0.73	0.00	0.65	0.65
Architectural Coating (Lots 3&4)											
	2016	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		2.12	2.37	1.88	0		0.2	0.2		0.2	0.2
Offsite		0	0	0	0	0	0	0	0	0	0
TOTAL	2016	2.12	2.37	1.88	0.00	0.00	0.20	0.20	0.00	0.20	0.20
ArchCoat3&4+FinishHomes1&2+ArchCoat1&2+FinishHomes3&4											
		1.08	8.36	8.46	0.02	0.08	0.45	0.53	0.00	0.45	0.45
Architectural Coating (Lot 5)											
	2016	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		1.24	2.37	1.88	0		0.2	0.2		0.2	0.2
Offsite		0	0	0	0	0	0	0	0	0	0
TOTAL	2016	1.24	2.37	1.88	0.00	0.00	0.20	0.20	0.00	0.20	0.20
FinishHomes3&4+ArchCoat3&4+FinishHome5+ArchCoat5											
		4.20	11.42	10.62	0.02	0.06	0.74	0.80	0.00	0.74	0.74
	2017	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		1.2	2.18	1.87	0		0.17	0.17		0.17	0.17
Offsite		0	0	0	0	0	0	0	0	0	0
TOTAL	2017	1.20	2.18	1.87	0.00	0.00	0.17	0.17	0.00	0.17	0.17
FinishHome5+ArchCoat5											
		1.56	5.03	5.08	0.01	0.02	0.31	0.33	0.00	0.31	0.31

Finish Common Area											
	2017	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		0.32	2.26	2.69	0		0.12	0.12		0.12	0.12
Offsite		0.05	0.38	0.38	0	0.06	0.01	0.07	0	0.01	0.01
TOTAL	2017	0.37	2.64	3.07	0.00	0.06	0.13	0.19	0.00	0.13	0.13
Paving											
		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		0.62	2.3	2.57	0		0.15	0.15		0.15	0.15
Offsite											
	Hauling	0	0	0	0	0	0	0	0	0	0
	Vendor	0	0	0	0	0	0	0	0	0	0
	Worker	0.03	0.03	0.27	0	0.07	0	0.07	0	0	0.01
	Total	0.03	0.03	0.27	0	0.07	0	0.07	0	0	0.01
TOTAL	2015	0.65	2.33	2.84	0.00	0.07	0.15	0.22	0.00	0.15	0.16
MAX DAILY		16.29	147.91	86.41	0.20	10.89	6.69	17.57	3.75	6.69	10.43
Regional Thresholds		75	100	550	150			150			55
Exceeds Thresholds?		No	Yes	No	No			No			No

Maximum Daily Emission

Note: Includes the correction for Haul (on-road) PM10 Fugitive dust for which CalEEMod incorrectly calculates emissions over the entire duration emitted on one day.

Construction_Main_Unmit
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Single Family Housing	5	Dwelling Unit
Other Asphalt Surfaces	3.33	Acre
City Park	1.74	Acre

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)		Utility Company	Southern California Edison
Climate Zone	8		2.2		
		Precipitation Freq (Days)			

1.3 User Entered Comments

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- Project Characteristics -
- Land Use - Based on project description
- Construction Phase - Based on information provided by applicant.
- Off-road Equipment - Based on information provided by applicant.
- Off-road Equipment - Placeholder for hauling activity.
- Off-road Equipment -
- Off-road Equipment - Placeholder for hauling.
- Off-road Equipment - Based on information provided by applicant.
- Off-road Equipment - Based on information provided by applicant.
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- Off-road Equipment - Based on information provided by applicant.
- Off-road Equipment - Based on information provided by applicant.
- Construction Off-road Equipment Mitigation -
- Grading -
- Demolition -
- Trips and VMT - Based on information provided by applicant.

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					
2014	14.13	132.52	75.00	0.19	167.73	5.82	173.55	8.02	5.82	13.84	0.00	20,123.24	0.00	0.87	0.00	20,141.52
2015	1.00	6.74	5.34	0.01	0.34	0.36	0.71	0.01	0.36	0.38	0.00	1,159.84	0.00	0.08	0.00	1,161.52
2017	0.65	2.64	3.06	0.01	0.08	0.15	0.23	0.00	0.15	0.15	0.00	547.54	0.00	0.03	0.00	548.21
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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					
2014	14.13	132.52	75.00	0.19	146.09	5.82	151.91	3.74	5.82	9.56	0.00	20,123.24	0.00	0.87	0.00	20,141.52
2015	1.00	6.74	5.34	0.01	0.31	0.36	0.68	0.01	0.36	0.38	0.00	1,159.84	0.00	0.08	0.00	1,161.52
2017	0.65	2.64	3.06	0.01	0.07	0.15	0.22	0.00	0.15	0.15	0.00	547.54	0.00	0.03	0.00	548.21
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

3.0 Construction Detail

3.1 Mitigation Measures Construction

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

3.2 Grading (Site) - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					13.55	0.00	13.55	7.45	0.00	7.45						0.00
Off-Road	4.40	35.65	19.89	0.03		1.64	1.64		1.64	1.64		3,771.13		0.39		3,779.41
Total	4.40	35.65	19.89	0.03	13.55	1.64	15.19	7.45	1.64	9.09		3,771.13		0.39		3,779.41

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.06	0.64	0.45	0.00	0.04	0.02	0.06	0.00	0.02	0.03		110.12		0.00		110.18
Worker	0.09	0.09	0.88	0.00	0.20	0.01	0.21	0.01	0.01	0.01		152.24		0.01		152.43
Total	0.15	0.73	1.33	0.00	0.24	0.03	0.27	0.01	0.03	0.04		262.36		0.01		262.61

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.79	0.00	5.79	3.18	0.00	3.18						0.00
Off-Road	4.40	35.65	19.89	0.03		1.64	1.64		1.64	1.64	0.00	3,771.13		0.39		3,779.41
Total	4.40	35.65	19.89	0.03	5.79	1.64	7.43	3.18	1.64	4.82	0.00	3,771.13		0.39		3,779.41

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.06	0.64	0.45	0.00	0.03	0.02	0.06	0.00	0.02	0.03		110.12		0.00		110.18
Worker	0.09	0.09	0.88	0.00	0.18	0.01	0.19	0.01	0.01	0.01		152.24		0.01		152.43
Total	0.15	0.73	1.33	0.00	0.21	0.03	0.25	0.01	0.03	0.04		262.36		0.01		262.61

3.3 Grading Haul 1 (Site) - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.12	0.00	0.12	0.02	0.00	0.02						0.00
Off-Road	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Total	0.00	0.00	0.00	0.00	0.12	0.00	0.12	0.02	0.00	0.02		0.00		0.00		0.00

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	9.58	96.14	53.78	0.15	153.83	4.15	157.98	0.54	4.15	4.69		16,089.76		0.46		16,099.51
Vendor	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
Worker	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
Total	9.58	96.14	53.78	0.15	153.83	4.15	157.98	0.54	4.15	4.69		16,089.76		0.46		16,099.51

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.05	0.00	0.05	0.01	0.00	0.01						0.00
Off-Road	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00		0.00		0.00
Total	0.00	0.00	0.00	0.00	0.05	0.00	0.05	0.01	0.00	0.01	0.00	0.00		0.00		0.00

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	9.58	96.14	53.78	0.15	140.03	4.15	144.18	0.54	4.15	4.69		16,089.76		0.46		16,099.51
Vendor	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
Worker	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
Total	9.58	96.14	53.78	0.15	140.03	4.15	144.18	0.54	4.15	4.69		16,089.76		0.46		16,099.51

3.4 Grading Haul 2 (Site) - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.12	0.00	0.12	0.02	0.00	0.02						0.00
Off-Road	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Total	0.00	0.00	0.00	0.00	0.12	0.00	0.12	0.02	0.00	0.02		0.00		0.00		0.00

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	9.57	96.01	53.70	0.15	5.04	4.14	9.19	0.54	4.14	4.68		16,067.78		0.46		16,077.51
Vendor	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
Worker	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
Total	9.57	96.01	53.70	0.15	5.04	4.14	9.19	0.54	4.14	4.68		16,067.78		0.46		16,077.51

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.05	0.00	0.05	0.01	0.00	0.01						0.00
Off-Road	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Total	0.00	0.00	0.00	0.00	0.05	0.00	0.05	0.01	0.00	0.01		0.00		0.00		0.00

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	9.57	96.01	53.70	0.15	4.64	4.14	8.78	0.54	4.14	4.68		16,067.78		0.46		16,077.51
Vendor	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
Worker	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
Total	9.57	96.01	53.70	0.15	4.64	4.14	8.78	0.54	4.14	4.68		16,067.78		0.46		16,077.51

3.5 Paving (home pads) - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.04	6.88	5.33	0.01		0.55	0.55		0.55	0.55		784.39		0.09		786.34
Paving	0.58					0.00	0.00		0.00	0.00						0.00
Total	1.62	6.88	5.33	0.01		0.55	0.55		0.55	0.55		784.39		0.09		786.34

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.05	0.06	0.54	0.00	0.12	0.00	0.13	0.00	0.00	0.01		93.69		0.01		93.80
Total	0.05	0.06	0.54	0.00	0.12	0.00	0.13	0.00	0.00	0.01		93.69		0.01		93.80

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.04	6.88	5.33	0.01		0.55	0.55		0.55	0.55	0.00	784.39		0.09		786.34
Paving	0.58					0.00	0.00		0.00	0.00						0.00
Total	1.62	6.88	5.33	0.01		0.55	0.55		0.55	0.55	0.00	784.39		0.09		786.34

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.05	0.06	0.54	0.00	0.11	0.00	0.12	0.00	0.00	0.01		93.69		0.01		93.80
Total	0.05	0.06	0.54	0.00	0.11	0.00	0.12	0.00	0.00	0.01		93.69		0.01		93.80

3.6 Trenching (Road Hogging) - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.67	4.48	3.69	0.01		0.35	0.35		0.35	0.35			544.66		0.06		545.90
Total	0.67	4.48	3.69	0.01		0.35	0.35		0.35	0.35			544.66		0.06		545.90

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.07	0.07	0.68	0.00	0.30	0.01	0.31	0.01	0.01	0.01		117.11		0.01		117.25
Total	0.07	0.07	0.68	0.00	0.30	0.01	0.31	0.01	0.01	0.01		117.11		0.01		117.25

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.67	4.48	3.69	0.01		0.35	0.35		0.35	0.35	0.00		544.66		0.06		545.90
Total	0.67	4.48	3.69	0.01		0.35	0.35		0.35	0.35	0.00		544.66		0.06		545.90

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.07	0.07	0.68	0.00	0.27	0.01	0.28	0.01	0.01	0.01		117.11		0.01		117.25
Total	0.07	0.07	0.68	0.00	0.27	0.01	0.28	0.01	0.01	0.01		117.11		0.01		117.25

3.7 Paving (Roadbase) - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	2.82	23.02	12.65	0.02		1.04	1.04		1.04	1.04			2,423.31		0.25		2,428.62
Paving	1.25					0.00	0.00		0.00	0.00							0.00
Total	4.07	23.02	12.65	0.02		1.04	1.04		1.04	1.04			2,423.31		0.25		2,428.62

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.53	5.46	3.83	0.01	0.32	0.19	0.51	0.02	0.19	0.21		935.98		0.03		936.53
Worker	0.05	0.06	0.54	0.00	0.12	0.00	0.13	0.00	0.00	0.01		93.69		0.01		93.80
Total	0.58	5.52	4.37	0.01	0.44	0.19	0.64	0.02	0.19	0.22		1,029.67		0.04		1,030.33

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.82	23.02	12.65	0.02		1.04	1.04		1.04	1.04	0.00	2,423.31		0.25		2,428.62
Paving	1.25					0.00	0.00		0.00	0.00						0.00
Total	4.07	23.02	12.65	0.02		1.04	1.04		1.04	1.04	0.00	2,423.31		0.25		2,428.62

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.53	5.46	3.83	0.01	0.29	0.19	0.48	0.02	0.19	0.21		935.98		0.03		936.53
Worker	0.05	0.06	0.54	0.00	0.11	0.00	0.12	0.00	0.00	0.01		93.69		0.01		93.80
Total	0.58	5.52	4.37	0.01	0.40	0.19	0.60	0.02	0.19	0.22		1,029.67		0.04		1,030.33

3.8 Grading (Road) - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.40	0.00	0.40	0.00	0.00	0.00						0.00
Off-Road	0.79	5.77	4.01	0.01		0.35	0.35		0.35	0.35		658.74		0.07		660.23
Total	0.79	5.77	4.01	0.01	0.40	0.35	0.75	0.00	0.35	0.35		658.74		0.07		660.23

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.06	0.64	0.45	0.00	0.04	0.02	0.06	0.00	0.02	0.03		110.12		0.00		110.18
Worker	0.03	0.04	0.34	0.00	0.08	0.00	0.08	0.00	0.00	0.01		58.55		0.00		58.63
Total	0.09	0.68	0.79	0.00	0.12	0.02	0.14	0.00	0.02	0.04		168.67		0.00		168.81

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.17	0.00	0.17	0.00	0.00	0.00						0.00
Off-Road	0.79	5.77	4.01	0.01		0.35	0.35		0.35	0.35	0.00	658.74		0.07		660.23
Total	0.79	5.77	4.01	0.01	0.17	0.35	0.52	0.00	0.35	0.35	0.00	658.74		0.07		660.23

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.06	0.64	0.45	0.00	0.03	0.02	0.06	0.00	0.02	0.03		110.12		0.00		110.18
Worker	0.03	0.04	0.34	0.00	0.07	0.00	0.07	0.00	0.00	0.01		58.55		0.00		58.63
Total	0.09	0.68	0.79	0.00	0.10	0.02	0.13	0.00	0.02	0.04		168.67		0.00		168.81

3.9 Paving (Road) - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.38	10.07	7.19	0.01		0.65	0.65		0.65	0.65		1,179.44		0.12		1,182.02
Paving	0.36					0.00	0.00		0.00	0.00						0.00
Total	1.74	10.07	7.19	0.01		0.65	0.65		0.65	0.65		1,179.44		0.12		1,182.02

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.06	0.64	0.45	0.00	0.04	0.02	0.06	0.00	0.02	0.03		110.12		0.00		110.18
Worker	0.07	0.07	0.68	0.00	0.15	0.01	0.16	0.01	0.01	0.01		117.11		0.01		117.25
Total	0.13	0.71	1.13	0.00	0.19	0.03	0.22	0.01	0.03	0.04		227.23		0.01		227.43

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.38	10.07	7.19	0.01		0.65	0.65		0.65	0.65	0.00	1,179.44		0.12		1,182.02
Paving	0.36					0.00	0.00		0.00	0.00						0.00
Total	1.74	10.07	7.19	0.01		0.65	0.65		0.65	0.65	0.00	1,179.44		0.12		1,182.02

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.06	0.64	0.45	0.00	0.03	0.02	0.06	0.00	0.02	0.03		110.12		0.00		110.18
Worker	0.07	0.07	0.68	0.00	0.14	0.01	0.15	0.01	0.01	0.01		117.11		0.01		117.25
Total	0.13	0.71	1.13	0.00	0.17	0.03	0.21	0.01	0.03	0.04		227.23		0.01		227.43

3.10 Trenching (Site) - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.52	10.57	8.60	0.01		0.72	0.72		0.72	0.72		1,346.47		0.13		1,349.30
Total	1.52	10.57	8.60	0.01		0.72	0.72		0.72	0.72		1,346.47		0.13		1,349.30

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.10	0.11	1.02	0.00	0.23	0.01	0.24	0.01	0.01	0.02		175.66		0.01		175.88
Total	0.10	0.11	1.02	0.00	0.23	0.01	0.24	0.01	0.01	0.02		175.66		0.01		175.88

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.52	10.57	8.60	0.01		0.72	0.72		0.72	0.72	0.00	1,346.47		0.13		1,349.30
Total	1.52	10.57	8.60	0.01		0.72	0.72		0.72	0.72	0.00	1,346.47		0.13		1,349.30

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.10	0.11	1.02	0.00	0.21	0.01	0.22	0.01	0.01	0.02		175.66		0.01		175.88
Total	0.10	0.11	1.02	0.00	0.21	0.01	0.22	0.01	0.01	0.02		175.66		0.01		175.88

3.11 Backfill/Fine Grading - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.00	0.00	0.00	0.00	0.00	0.00						0.00
Off-Road	1.94	13.07	10.33	0.02		0.80	0.80		0.80	0.80		1,646.28		0.17		1,649.93
Total	1.94	13.07	10.33	0.02	0.00	0.80	0.80	0.00	0.80	0.80		1,646.28		0.17		1,649.93

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.62	6.42	4.51	0.01	0.37	0.22	0.60	0.03	0.22	0.25		1,101.15		0.03		1,101.80
Worker	0.41	0.42	4.07	0.01	0.92	0.03	0.95	0.03	0.03	0.07		702.65		0.04		703.52
Total	1.03	6.84	8.58	0.02	1.29	0.25	1.55	0.06	0.25	0.32		1,803.80		0.07		1,805.32

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.00	0.00	0.00	0.00	0.00	0.00						0.00
Off-Road	1.94	13.07	10.33	0.02		0.80	0.80		0.80	0.80		1,646.28		0.17		1,649.93
Total	1.94	13.07	10.33	0.02	0.00	0.80	0.80	0.00	0.80	0.80	0.00	1,646.28		0.17		1,649.93

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.62	6.42	4.51	0.01	0.34	0.22	0.57	0.03	0.22	0.25		1,101.15		0.03		1,101.80
Worker	0.41	0.42	4.07	0.01	0.84	0.03	0.87	0.03	0.03	0.07		702.65		0.04		703.52
Total	1.03	6.84	8.58	0.02	1.18	0.25	1.44	0.06	0.25	0.32		1,803.80		0.07		1,805.32

3.12 Pilings - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.77	6.38	3.21	0.01		0.28	0.28		0.28	0.28		1,130.91		0.07		1,132.35
Total	0.77	6.38	3.21	0.01		0.28	0.28		0.28	0.28		1,130.91		0.07		1,132.35

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.05	0.06	0.54	0.00	0.12	0.00	0.13	0.00	0.00	0.01		93.69		0.01		93.80
Total	0.05	0.06	0.54	0.00	0.12	0.00	0.13	0.00	0.00	0.01		93.69		0.01		93.80

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.77	6.38	3.21	0.01		0.28	0.28		0.28	0.28	0.00	1,130.91		0.07		1,132.35
Total	0.77	6.38	3.21	0.01		0.28	0.28		0.28	0.28	0.00	1,130.91		0.07		1,132.35

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.05	0.06	0.54	0.00	0.11	0.00	0.12	0.00	0.00	0.01		93.69		0.01		93.80
Total	0.05	0.06	0.54	0.00	0.11	0.00	0.12	0.00	0.00	0.01		93.69		0.01		93.80

3.13 Skate Park - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.78	6.60	3.72	0.01		0.37	0.37		0.37	0.37		819.98		0.07		821.46
Paving	0.10					0.00	0.00		0.00	0.00						0.00
Total	0.88	6.60	3.72	0.01		0.37	0.37		0.37	0.37		819.98		0.07		821.46

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.06	0.64	0.45	0.00	0.04	0.02	0.06	0.00	0.02	0.03		110.12		0.00		110.18
Worker	0.14	0.14	1.36	0.00	0.51	0.01	0.52	0.01	0.01	0.02		234.22		0.01		234.51
Total	0.20	0.78	1.81	0.00	0.55	0.03	0.58	0.01	0.03	0.05		344.34		0.01		344.69

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.78	6.60	3.72	0.01		0.37	0.37		0.37	0.37	0.00	819.98		0.07		821.46
Paving	0.10					0.00	0.00		0.00	0.00						0.00
Total	0.88	6.60	3.72	0.01		0.37	0.37		0.37	0.37	0.00	819.98		0.07		821.46

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.06	0.64	0.45	0.00	0.03	0.02	0.06	0.00	0.02	0.03		110.12		0.00		110.18
Worker	0.14	0.14	1.36	0.00	0.28	0.01	0.29	0.01	0.01	0.02		234.22		0.01		234.51
Total	0.20	0.78	1.81	0.00	0.31	0.03	0.35	0.01	0.03	0.05		344.34		0.01		344.69

3.13 Skate Park - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.72	6.03	3.68	0.01		0.33	0.33		0.33	0.33		819.98		0.06		821.33
Paving	0.10					0.00	0.00		0.00	0.00						0.00
Total	0.82	6.03	3.68	0.01		0.33	0.33		0.33	0.33		819.98		0.06		821.33

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.06	0.58	0.41	0.00	0.04	0.02	0.06	0.00	0.02	0.02		110.36		0.00		110.42
Worker	0.13	0.13	1.25	0.00	0.31	0.01	0.32	0.01	0.01	0.02		229.49		0.01		229.77
Total	0.19	0.71	1.66	0.00	0.35	0.03	0.38	0.01	0.03	0.04		339.85		0.01		340.19

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.72	6.03	3.68	0.01		0.33	0.33		0.33	0.33	0.00	819.98		0.06		821.33
Paving	0.10					0.00	0.00		0.00	0.00						0.00
Total	0.82	6.03	3.68	0.01		0.33	0.33		0.33	0.33	0.00	819.98		0.06		821.33

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.06	0.58	0.41	0.00	0.03	0.02	0.05	0.00	0.02	0.02		110.36		0.00		110.42
Worker	0.13	0.13	1.25	0.00	0.28	0.01	0.29	0.01	0.01	0.02		229.49		0.01		229.77
Total	0.19	0.71	1.66	0.00	0.31	0.03	0.34	0.01	0.03	0.04		339.85		0.01		340.19

3.14 Demolition (Maintenance Shed) - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.13	0.00	0.13	0.00	0.00	0.00						0.00
Off-Road	0.33	2.24	1.84	0.00		0.18	0.18		0.18	0.18		272.33		0.03		272.95
Total	0.33	2.24	1.84	0.00	0.13	0.18	0.31	0.00	0.18	0.18		272.33		0.03		272.95

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.10	1.03	0.61	0.00	0.24	0.04	0.28	0.01	0.04	0.05		167.91		0.01		168.02
Vendor	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
Worker	0.02	0.02	0.20	0.00	0.05	0.00	0.05	0.00	0.00	0.00		35.13		0.00		35.18
Total	0.12	1.05	0.81	0.00	0.29	0.04	0.33	0.01	0.04	0.05		203.04		0.01		203.20

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.05	0.00	0.05	0.00	0.00	0.00						0.00
Off-Road	0.33	2.24	1.84	0.00		0.18	0.18		0.18	0.18	0.00	272.33		0.03		272.95
Total	0.33	2.24	1.84	0.00	0.05	0.18	0.23	0.00	0.18	0.18	0.00	272.33		0.03		272.95

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.10	1.03	0.61	0.00	0.22	0.04	0.26	0.01	0.04	0.05		167.91		0.01		168.02
Vendor	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
Worker	0.02	0.02	0.20	0.00	0.04	0.00	0.04	0.00	0.00	0.00		35.13		0.00		35.18
Total	0.12	1.05	0.81	0.00	0.26	0.04	0.30	0.01	0.04	0.05		203.04		0.01		203.20

3.15 Finish Common Area - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.32	2.26	2.69	0.00		0.12	0.12		0.12	0.12			442.29		0.03		442.90
Total	0.32	2.26	2.69	0.00		0.12	0.12		0.12	0.12			442.29		0.03		442.90

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	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	
Vendor	0.04	0.37	0.27	0.00	0.03	0.01	0.04	0.00	0.01	0.01			83.09		0.00		83.12
Worker	0.01	0.01	0.11	0.00	0.03	0.00	0.03	0.00	0.00	0.00			22.16		0.00		22.19
Total	0.05	0.38	0.38	0.00	0.06	0.01	0.07	0.00	0.01	0.01			105.25		0.00		105.31

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.32	2.26	2.69	0.00		0.12	0.12		0.12	0.12	0.00		442.29		0.03		442.90
Total	0.32	2.26	2.69	0.00		0.12	0.12		0.12	0.12	0.00		442.29		0.03		442.90

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	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	
Vendor	0.04	0.37	0.27	0.00	0.03	0.01	0.04	0.00	0.01	0.01			83.09		0.00		83.12
Worker	0.01	0.01	0.11	0.00	0.03	0.00	0.03	0.00	0.00	0.00			22.16		0.00		22.19
Total	0.05	0.38	0.38	0.00	0.06	0.01	0.07	0.00	0.01	0.01			105.25		0.00		105.31

3.16 Paving - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.33	2.30	2.57	0.00		0.15	0.15		0.15	0.15			392.74		0.03		393.36
Paving	0.29					0.00	0.00		0.00	0.00							0.00
Total	0.62	2.30	2.57	0.00		0.15	0.15		0.15	0.15			392.74		0.03		393.36

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.03	0.03	0.27	0.00	0.08	0.00	0.08	0.00	0.00	0.01		55.41		0.00		55.47
Total	0.03	0.03	0.27	0.00	0.08	0.00	0.08	0.00	0.00	0.01		55.41		0.00		55.47

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.33	2.30	2.57	0.00		0.15	0.15		0.15	0.15	0.00	392.74		0.03		393.36
Paving	0.29					0.00	0.00		0.00	0.00						0.00
Total	0.62	2.30	2.57	0.00		0.15	0.15		0.15	0.15	0.00	392.74		0.03		393.36

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.03	0.03	0.27	0.00	0.07	0.00	0.07	0.00	0.00	0.01		55.41		0.00		55.47
Total	0.03	0.03	0.27	0.00	0.07	0.00	0.07	0.00	0.00	0.01		55.41		0.00		55.47

Construction_Main_Unmit
Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Single Family Housing	5	Dwelling Unit
Other Asphalt Surfaces	3.33	Acre
City Park	1.74	Acre

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)		Utility Company	Southern California Edison
Climate Zone	8		2.2		
		Precipitation Freq (Days)			

1.3 User Entered Comments

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- Project Characteristics -
- Land Use - Based on project description
- Construction Phase - Based on information provided by applicant.
- Off-road Equipment - Based on information provided by applicant.
- Off-road Equipment - Placeholder for hauling activity.
- Off-road Equipment -
- Off-road Equipment - Placeholder for hauling.
- Off-road Equipment - Based on information provided by applicant.
- Off-road Equipment - Based on information provided by applicant.
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- Off-road Equipment - Based on information provided by applicant.
- Off-road Equipment - Based on information provided by applicant.
- Construction Off-road Equipment Mitigation -
- Grading -
- Demolition -
- Trips and VMT - Based on information provided by applicant.

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

Year	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
2014	13.97	127.25	72.07	0.19	167.73	5.79	173.53	8.02	5.79	13.81	0.00	20,188.19	0.00	0.86	0.00	20,206.31
2015	0.99	6.70	5.36	0.01	0.34	0.36	0.71	0.01	0.36	0.38	0.00	1,178.92	0.00	0.05	0.00	1,180.61
2017	0.64	2.62	3.03	0.01	0.08	0.15	0.23	0.00	0.15	0.15	0.00	549.96	0.00	0.03	0.00	550.64
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Mitigated Construction

Year	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
2014	13.97	127.25	72.07	0.19	146.09	5.79	151.89	3.74	5.79	9.54	0.00	20,188.19	0.00	0.86	0.00	20,206.31
2015	0.99	6.70	5.36	0.01	0.31	0.36	0.68	0.01	0.36	0.38	0.00	1,178.92	0.00	0.05	0.00	1,180.61
2017	0.64	2.62	3.03	0.01	0.07	0.15	0.22	0.00	0.15	0.15	0.00	549.96	0.00	0.03	0.00	550.64
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

3.0 Construction Detail

3.1 Mitigation Measures Construction

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

3.2 Grading (Site) - 2014

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Fugitive Dust					13.55	0.00	13.55	7.45	0.00	7.45						0.00
Off-Road	4.40	35.65	19.89	0.03		1.64	1.64		1.64	1.64		3,771.13		0.39		3,779.41
Total	4.40	35.65	19.89	0.03	13.55	1.64	15.19	7.45	1.64	9.09		3,771.13		0.39		3,779.41

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.06	0.62	0.40	0.00	0.04	0.02	0.06	0.00	0.02	0.02		110.92		0.00		110.98
Worker	0.08	0.08	0.93	0.00	0.20	0.01	0.21	0.01	0.01	0.01		164.33		0.01		164.53
Total	0.14	0.70	1.33	0.00	0.24	0.03	0.27	0.01	0.03	0.03		275.25		0.01		275.51

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.79	0.00	5.79	3.18	0.00	3.18						0.00
Off-Road	4.40	35.65	19.89	0.03		1.64	1.64		1.64	1.64	0.00	3,771.13		0.39		3,779.41
Total	4.40	35.65	19.89	0.03	5.79	1.64	7.43	3.18	1.64	4.82	0.00	3,771.13		0.39		3,779.41

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.06	0.62	0.40	0.00	0.03	0.02	0.06	0.00	0.02	0.02		110.92		0.00		110.98
Worker	0.08	0.08	0.93	0.00	0.18	0.01	0.19	0.01	0.01	0.01		164.33		0.01		164.53
Total	0.14	0.70	1.33	0.00	0.21	0.03	0.25	0.01	0.03	0.03		275.25		0.01		275.51

3.3 Grading Haul 1 (Site) - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.12	0.00	0.12	0.02	0.00	0.02						0.00
Off-Road	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Total	0.00	0.00	0.00	0.00	0.12	0.00	0.12	0.02	0.00	0.02		0.00		0.00		0.00

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	9.43	90.92	50.85	0.15	153.83	4.12	157.95	0.54	4.12	4.66			16,141.81	0.46		16,151.39
Vendor	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
Worker	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
Total	9.43	90.92	50.85	0.15	153.83	4.12	157.95	0.54	4.12	4.66			16,141.81	0.46		16,151.39

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.05	0.00	0.05	0.01	0.00	0.01						0.00
Off-Road	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
Total	0.00	0.00	0.00	0.00	0.05	0.00	0.05	0.01	0.00	0.01				0.00		0.00

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	9.43	90.92	50.85	0.15	140.03	4.12	144.15	0.54	4.12	4.66			16,141.81	0.46		16,151.39
Vendor	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
Worker	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
Total	9.43	90.92	50.85	0.15	140.03	4.12	144.15	0.54	4.12	4.66			16,141.81	0.46		16,151.39

3.4 Grading Haul 2 (Site) - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.12	0.00	0.12	0.02	0.00	0.02						0.00
Off-Road	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
Total	0.00	0.00	0.00	0.00	0.12	0.00	0.12	0.02	0.00	0.02			0.00	0.00		0.00

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	9.41	90.79	50.78	0.15	5.04	4.12	9.16	0.54	4.12	4.66			16,119.76	0.46		16,129.33
Vendor	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
Worker	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
Total	9.41	90.79	50.78	0.15	5.04	4.12	9.16	0.54	4.12	4.66			16,119.76	0.46		16,129.33

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.05	0.00	0.05	0.01	0.00	0.01							0.00
Off-Road	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00		0.00			0.00
Total	0.00	0.00	0.00	0.00	0.05	0.00	0.05	0.01	0.00	0.01	0.00	0.00		0.00			0.00

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	9.41	90.79	50.78	0.15	4.64	4.12	8.76	0.54	4.12	4.66		16,119.76		0.46			16,129.33
Vendor	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
Worker	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
Total	9.41	90.79	50.78	0.15	4.64	4.12	8.76	0.54	4.12	4.66		16,119.76		0.46			16,129.33

3.5 Paving (home pads) - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.04	6.88	5.33	0.01		0.55	0.55		0.55	0.55		784.39		0.09			786.34
Paving	0.58					0.00	0.00		0.00	0.00							0.00
Total	1.62	6.88	5.33	0.01		0.55	0.55		0.55	0.55		784.39		0.09			786.34

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	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
Vendor	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
Worker	0.05	0.05	0.57	0.00	0.12	0.00	0.13	0.00	0.00	0.01		101.13		0.01			101.25
Total	0.05	0.05	0.57	0.00	0.12	0.00	0.13	0.00	0.00	0.01		101.13		0.01			101.25

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.04	6.88	5.33	0.01		0.55	0.55		0.55	0.55	0.00	784.39		0.09		786.34
Paving	0.58					0.00	0.00		0.00	0.00						0.00
Total	1.62	6.88	5.33	0.01		0.55	0.55		0.55	0.55	0.00	784.39		0.09		786.34

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.05	0.05	0.57	0.00	0.11	0.00	0.12	0.00	0.00	0.01		101.13		0.01		101.25
Total	0.05	0.05	0.57	0.00	0.11	0.00	0.12	0.00	0.00	0.01		101.13		0.01		101.25

3.6 Trenching (Road Hogging) - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.67	4.48	3.69	0.01		0.35	0.35		0.35	0.35		544.66		0.06		545.90
Total	0.67	4.48	3.69	0.01		0.35	0.35		0.35	0.35		544.66		0.06		545.90

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.06	0.06	0.72	0.00	0.30	0.01	0.31	0.01	0.01	0.01		126.41		0.01		126.56
Total	0.06	0.06	0.72	0.00	0.30	0.01	0.31	0.01	0.01	0.01		126.41		0.01		126.56

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.67	4.48	3.69	0.01		0.35	0.35		0.35	0.35	0.00	544.66		0.06		545.90
Total	0.67	4.48	3.69	0.01		0.35	0.35		0.35	0.35	0.00	544.66		0.06		545.90

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.06	0.06	0.72	0.00	0.27	0.01	0.28	0.01	0.01	0.01		126.41		0.01		126.56
Total	0.06	0.06	0.72	0.00	0.27	0.01	0.28	0.01	0.01	0.01		126.41		0.01		126.56

3.7 Paving (Roadbase) - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.82	23.02	12.65	0.02		1.04	1.04		1.04	1.04		2,423.31		0.25		2,428.62
Paving	1.25					0.00	0.00		0.00	0.00						0.00
Total	4.07	23.02	12.65	0.02		1.04	1.04		1.04	1.04		2,423.31		0.25		2,428.62

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.50	5.23	3.38	0.01	0.32	0.19	0.50	0.02	0.19	0.21		942.83		0.02		943.35
Worker	0.05	0.05	0.57	0.00	0.12	0.00	0.13	0.00	0.00	0.01		101.13		0.01		101.25
Total	0.55	5.28	3.95	0.01	0.44	0.19	0.63	0.02	0.19	0.22		1,043.96		0.03		1,044.60

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.82	23.02	12.65	0.02		1.04	1.04		1.04	1.04	0.00	2,423.31		0.25		2,428.62
Paving	1.25					0.00	0.00		0.00	0.00						0.00
Total	4.07	23.02	12.65	0.02		1.04	1.04		1.04	1.04	0.00	2,423.31		0.25		2,428.62

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.50	5.23	3.38	0.01	0.29	0.19	0.48	0.02	0.19	0.21		942.83		0.02		943.35
Worker	0.05	0.05	0.57	0.00	0.11	0.00	0.12	0.00	0.00	0.01		101.13		0.01		101.25
Total	0.55	5.28	3.95	0.01	0.40	0.19	0.60	0.02	0.19	0.22		1,043.96		0.03		1,044.60

3.8 Grading (Road) - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.40	0.00	0.40	0.00	0.00	0.00						0.00
Off-Road	0.79	5.77	4.01	0.01		0.35	0.35		0.35	0.35		658.74		0.07		660.23
Total	0.79	5.77	4.01	0.01	0.40	0.35	0.75	0.00	0.35	0.35		658.74		0.07		660.23

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.06	0.62	0.40	0.00	0.04	0.02	0.06	0.00	0.02	0.02		110.92		0.00		110.98
Worker	0.03	0.03	0.36	0.00	0.08	0.00	0.08	0.00	0.00	0.01		63.20		0.00		63.28
Total	0.09	0.65	0.76	0.00	0.12	0.02	0.14	0.00	0.02	0.03		174.12		0.00		174.26

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.17	0.00	0.17	0.00	0.00	0.00						0.00
Off-Road	0.79	5.77	4.01	0.01		0.35	0.35		0.35	0.35		658.74		0.07		660.23
Total	0.79	5.77	4.01	0.01	0.17	0.35	0.52	0.00	0.35	0.35	0.00	658.74		0.07		660.23

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.06	0.62	0.40	0.00	0.03	0.02	0.06	0.00	0.02	0.02		110.92		0.00		110.98
Worker	0.03	0.03	0.36	0.00	0.07	0.00	0.07	0.00	0.00	0.01		63.20		0.00		63.28
Total	0.09	0.65	0.76	0.00	0.10	0.02	0.13	0.00	0.02	0.03		174.12		0.00		174.26

3.9 Paving (Road) - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.38	10.07	7.19	0.01		0.65	0.65		0.65	0.65		1,179.44		0.12		1,182.02
Paving	0.36					0.00	0.00		0.00	0.00						0.00
Total	1.74	10.07	7.19	0.01		0.65	0.65		0.65	0.65		1,179.44		0.12		1,182.02

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.06	0.62	0.40	0.00	0.04	0.02	0.06	0.00	0.02	0.02		110.92		0.00		110.98
Worker	0.06	0.06	0.72	0.00	0.15	0.01	0.16	0.01	0.01	0.01		126.41		0.01		126.56
Total	0.12	0.68	1.12	0.00	0.19	0.03	0.22	0.01	0.03	0.03		237.33		0.01		237.54

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.38	10.07	7.19	0.01		0.65	0.65		0.65	0.65	0.00	1,179.44		0.12		1,182.02
Paving	0.36					0.00	0.00		0.00	0.00						0.00
Total	1.74	10.07	7.19	0.01		0.65	0.65		0.65	0.65	0.00	1,179.44		0.12		1,182.02

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.06	0.62	0.40	0.00	0.03	0.02	0.06	0.00	0.02	0.02		110.92		0.00		110.98
Worker	0.06	0.06	0.72	0.00	0.14	0.01	0.15	0.01	0.01	0.01		126.41		0.01		126.56
Total	0.12	0.68	1.12	0.00	0.17	0.03	0.21	0.01	0.03	0.03		237.33		0.01		237.54

3.10 Trenching (Site) - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.52	10.57	8.60	0.01		0.72	0.72		0.72	0.72		1,346.47		0.13		1,349.30
Total	1.52	10.57	8.60	0.01		0.72	0.72		0.72	0.72		1,346.47		0.13		1,349.30

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.09	0.09	1.08	0.00	0.23	0.01	0.24	0.01	0.01	0.02		189.61		0.01		189.84
Total	0.09	0.09	1.08	0.00	0.23	0.01	0.24	0.01	0.01	0.02		189.61		0.01		189.84

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.52	10.57	8.60	0.01		0.72	0.72		0.72	0.72	0.00	1,346.47		0.13		1,349.30
Total	1.52	10.57	8.60	0.01		0.72	0.72		0.72	0.72	0.00	1,346.47		0.13		1,349.30

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.09	0.09	1.08	0.00	0.21	0.01	0.22	0.01	0.01	0.02		189.61		0.01		189.84
Total	0.09	0.09	1.08	0.00	0.21	0.01	0.22	0.01	0.01	0.02		189.61		0.01		189.84

3.11 Backfill/Fine Grading - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.00	0.00	0.00	0.00	0.00	0.00						0.00
Off-Road	1.94	13.07	10.33	0.02		0.80	0.80		0.80	0.80		1,646.28		0.17		1,649.93
Total	1.94	13.07	10.33	0.02	0.00	0.80	0.80	0.00	0.80	0.80		1,646.28		0.17		1,649.93

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.59	6.15	3.98	0.01	0.37	0.22	0.59	0.03	0.22	0.25		1,109.21		0.03		1,109.83
Worker	0.37	0.36	4.31	0.01	0.92	0.03	0.95	0.03	0.03	0.07		758.45		0.04		759.36
Total	0.96	6.51	8.29	0.02	1.29	0.25	1.54	0.06	0.25	0.32		1,867.66		0.07		1,869.19

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.00	0.00	0.00	0.00	0.00	0.00						0.00
Off-Road	1.94	13.07	10.33	0.02		0.80	0.80		0.80	0.80	0.00	1,646.28		0.17		1,649.93
Total	1.94	13.07	10.33	0.02	0.00	0.80	0.80	0.00	0.80	0.80	0.00	1,646.28		0.17		1,649.93

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.59	6.15	3.98	0.01	0.34	0.22	0.56	0.03	0.22	0.25		1,109.21		0.03		1,109.83
Worker	0.37	0.36	4.31	0.01	0.84	0.03	0.87	0.03	0.03	0.07		758.45		0.04		759.36
Total	0.96	6.51	8.29	0.02	1.18	0.25	1.43	0.06	0.25	0.32		1,867.66		0.07		1,869.19

3.12 Pilings - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.77	6.38	3.21	0.01		0.28	0.28		0.28	0.28		1,130.91		0.07		1,132.35
Total	0.77	6.38	3.21	0.01		0.28	0.28		0.28	0.28		1,130.91		0.07		1,132.35

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.05	0.05	0.57	0.00	0.12	0.00	0.13	0.00	0.00	0.01		101.13		0.01		101.25
Total	0.05	0.05	0.57	0.00	0.12	0.00	0.13	0.00	0.00	0.01		101.13		0.01		101.25

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.77	6.38	3.21	0.01		0.28	0.28		0.28	0.28	0.00	1,130.91		0.07		1,132.35
Total	0.77	6.38	3.21	0.01		0.28	0.28		0.28	0.28	0.00	1,130.91		0.07		1,132.35

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.05	0.05	0.57	0.00	0.11	0.00	0.12	0.00	0.00	0.01		101.13		0.01		101.25
Total	0.05	0.05	0.57	0.00	0.11	0.00	0.12	0.00	0.00	0.01		101.13		0.01		101.25

3.13 Skate Park - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.78	6.60	3.72	0.01		0.37	0.37		0.37	0.37		819.98		0.07		821.46
Paving	0.10					0.00	0.00		0.00	0.00						0.00
Total	0.88	6.60	3.72	0.01		0.37	0.37		0.37	0.37		819.98		0.07		821.46

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.06	0.62	0.40	0.00	0.04	0.02	0.06	0.00	0.02	0.02		110.92		0.00		110.98
Worker	0.12	0.12	1.44	0.00	0.31	0.01	0.32	0.01	0.01	0.02		252.82		0.01		253.12
Total	0.18	0.74	1.84	0.00	0.35	0.03	0.38	0.01	0.03	0.04		363.74		0.01		364.10

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.78	6.60	3.72	0.01		0.37	0.37		0.37	0.37	0.00	819.98		0.07		821.46
Paving	0.10					0.00	0.00		0.00	0.00						0.00
Total	0.88	6.60	3.72	0.01		0.37	0.37		0.37	0.37	0.00	819.98		0.07		821.46

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.06	0.62	0.40	0.00	0.03	0.02	0.06	0.00	0.02	0.02		110.92		0.00		110.98
Worker	0.12	0.12	1.44	0.00	0.28	0.01	0.29	0.01	0.01	0.02		252.82		0.01		253.12
Total	0.18	0.74	1.84	0.00	0.31	0.03	0.35	0.01	0.03	0.04		363.74		0.01		364.10

3.13 Skate Park - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.72	6.03	3.68	0.01		0.33	0.33		0.33	0.33		819.98		0.06		821.33
Paving	0.10					0.00	0.00		0.00	0.00						0.00
Total	0.82	6.03	3.68	0.01		0.33	0.33		0.33	0.33		819.98		0.06		821.33

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.05	0.56	0.36	0.00	0.04	0.02	0.06	0.00	0.02	0.02		111.19		0.00		111.25
Worker	0.12	0.11	1.32	0.00	0.31	0.01	0.32	0.01	0.01	0.02		247.74		0.01		248.03
Total	0.17	0.67	1.68	0.00	0.35	0.03	0.38	0.01	0.03	0.04		358.93		0.01		359.28

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.72	6.03	3.68	0.01		0.33	0.33		0.33	0.33	0.00	819.98		0.06		821.33
Paving	0.10					0.00	0.00		0.00	0.00						0.00
Total	0.82	6.03	3.68	0.01		0.33	0.33		0.33	0.33	0.00	819.98		0.06		821.33

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.05	0.56	0.36	0.00	0.03	0.02	0.05	0.00	0.02	0.02		111.19		0.00		111.25
Worker	0.12	0.11	1.32	0.00	0.28	0.01	0.29	0.01	0.01	0.02		247.74		0.01		248.03
Total	0.17	0.67	1.68	0.00	0.31	0.03	0.34	0.01	0.03	0.04		358.93		0.01		359.28

3.14 Demolition (Maintenance Shed) - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.13	0.00	0.13	0.00	0.00	0.00							0.00
Off-Road	0.33	2.24	1.84	0.00		0.18	0.18		0.18	0.18			272.33		0.03		272.95
Total	0.33	2.24	1.84	0.00	0.13	0.18	0.31	0.00	0.18	0.18			272.33		0.03		272.95

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.10	0.98	0.57	0.00	0.24	0.04	0.28	0.01	0.04	0.05			168.71		0.00		168.82
Vendor	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
Worker	0.02	0.02	0.22	0.00	0.05	0.00	0.05	0.00	0.00	0.00			37.92		0.00		37.97
Total	0.12	1.00	0.79	0.00	0.29	0.04	0.33	0.01	0.04	0.05			206.63		0.00		206.79

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.05	0.00	0.05	0.00	0.00	0.00							0.00
Off-Road	0.33	2.24	1.84	0.00		0.18	0.18		0.18	0.18			272.33		0.03		272.95
Total	0.33	2.24	1.84	0.00	0.05	0.18	0.23	0.00	0.18	0.18	0.00		272.33		0.03		272.95

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.10	0.98	0.57	0.00	0.22	0.04	0.26	0.01	0.04	0.05			168.71		0.00		168.82
Vendor	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
Worker	0.02	0.02	0.22	0.00	0.04	0.00	0.04	0.00	0.00	0.00			37.92		0.00		37.97
Total	0.12	1.00	0.79	0.00	0.26	0.04	0.30	0.01	0.04	0.05			206.63		0.00		206.79

3.15 Finish Common Area - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.32	2.26	2.69	0.00		0.12	0.12		0.12	0.12			442.29		0.03		442.90
Total	0.32	2.26	2.69	0.00		0.12	0.12		0.12	0.12			442.29		0.03		442.90

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	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	
Vendor	0.03	0.36	0.23	0.00	0.03	0.01	0.04	0.00	0.01	0.01			83.74		0.00		83.78
Worker	0.01	0.01	0.11	0.00	0.03	0.00	0.03	0.00	0.00	0.00			23.93		0.00		23.95
Total	0.04	0.37	0.34	0.00	0.06	0.01	0.07	0.00	0.01	0.01			107.67		0.00		107.73

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.32	2.26	2.69	0.00		0.12	0.12		0.12	0.12	0.00		442.29		0.03		442.90
Total	0.32	2.26	2.69	0.00		0.12	0.12		0.12	0.12	0.00		442.29		0.03		442.90

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	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	
Vendor	0.03	0.36	0.23	0.00	0.03	0.01	0.04	0.00	0.01	0.01			83.74		0.00		83.78
Worker	0.01	0.01	0.11	0.00	0.03	0.00	0.03	0.00	0.00	0.00			23.93		0.00		23.95
Total	0.04	0.37	0.34	0.00	0.06	0.01	0.07	0.00	0.01	0.01			107.67		0.00		107.73

3.16 Paving - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.33	2.30	2.57	0.00		0.15	0.15		0.15	0.15			392.74		0.03		393.36
Paving	0.29					0.00	0.00		0.00	0.00							0.00
Total	0.62	2.30	2.57	0.00		0.15	0.15		0.15	0.15			392.74		0.03		393.36

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	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
Vendor	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
Worker	0.03	0.02	0.28	0.00	0.08	0.00	0.08	0.00	0.00	0.01			59.82		0.00		59.88
Total	0.03	0.02	0.28	0.00	0.08	0.00	0.08	0.00	0.00	0.01			59.82		0.00		59.88

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.33	2.30	2.57	0.00		0.15	0.15		0.15	0.15	0.00		392.74		0.03		393.36
Paving	0.29					0.00	0.00		0.00	0.00							0.00
Total	0.62	2.30	2.57	0.00		0.15	0.15		0.15	0.15	0.00		392.74		0.03		393.36

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	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
Vendor	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
Worker	0.03	0.02	0.28	0.00	0.07	0.00	0.07	0.00	0.00	0.01			59.82		0.00		59.88
Total	0.03	0.02	0.28	0.00	0.07	0.00	0.07	0.00	0.00	0.01			59.82		0.00		59.88

Construction_Main_Unmit
Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Single Family Housing	5	Dwelling Unit
Other Asphalt Surfaces	3.33	Acre
City Park	1.74	Acre

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)		Utility Company	Southern California Edison
Climate Zone	8		2.2		
		Precipitation Freq (Days)			
			33		

1.3 User Entered Comments

- Project Characteristics -
- Land Use - Based on project description
- Construction Phase - Based on information provided by applicant.
- Off-road Equipment - Based on information provided by applicant.
- Off-road Equipment - Placeholder for hauling activity.
- Off-road Equipment -
- Off-road Equipment - Placeholder for hauling.
- Off-road Equipment - Based on information provided by applicant.
- Off-road Equipment - Based on information provided by applicant.
- Off-road Equipment - Based on information provided by applicant.
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 Off-road Equipment - Based on information provided by applicant.
 Off-road Equipment - Based on information provided by applicant.
 Off-road Equipment - Based on information provided by applicant.
 Construction Off-road Equipment Mitigation -
 Grading -
 Demolition -
 Trips and VMT - Based on information provided by applicant.

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2014	0.39	3.12	1.98	0.00	2.61	0.15	2.76	0.14	0.15	0.29	0.00	443.37	443.37	0.02	0.00	443.86
2015	0.01	0.09	0.07	0.00	0.00	0.01	0.01	0.00	0.01	0.01	0.00	14.80	14.80	0.00	0.00	14.82
2017	0.02	0.09	0.11	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00	16.56	16.56	0.00	0.00	16.58
Total	0.42	3.30	2.16	0.00	2.61	0.16	2.78	0.14	0.16	0.31	0.00	474.73	474.73	0.02	0.00	475.26

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2014	0.39	3.12	1.98	0.00	2.26	0.15	2.41	0.07	0.15	0.22	0.00	443.37	443.37	0.02	0.00	443.86
2015	0.01	0.09	0.07	0.00	0.00	0.01	0.01	0.00	0.01	0.01	0.00	14.80	14.80	0.00	0.00	14.82
2017	0.02	0.09	0.11	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00	16.56	16.56	0.00	0.00	16.58
Total	0.42	3.30	2.16	0.00	2.26	0.16	2.43	0.07	0.16	0.24	0.00	474.73	474.73	0.02	0.00	475.26

3.0 Construction Detail

3.1 Mitigation Measures Construction

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

3.2 Grading (Site) - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.24	0.00	0.24	0.13	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.08	0.62	0.35	0.00		0.03	0.03		0.03	0.03	0.00	59.85	59.85	0.01	0.00	59.98
Total	0.08	0.62	0.35	0.00	0.24	0.03	0.27	0.13	0.03	0.16	0.00	59.85	59.85	0.01	0.00	59.98

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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
Vendor	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.76	1.76	0.00	0.00	1.76
Worker	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.47	2.47	0.00	0.00	2.48
Total	0.00	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.23	4.23	0.00	0.00	4.24

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										M1/yr					
Fugitive Dust					0.10	0.00	0.10	0.06	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.08	0.62	0.35	0.00		0.03	0.03		0.03	0.03	0.00	59.85	59.85	0.01	0.00	59.98
Total	0.08	0.62	0.35	0.00	0.10	0.03	0.13	0.06	0.03	0.09	0.00	59.85	59.85	0.01	0.00	59.98

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										M1/yr					
Hauling	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
Vendor	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.76	1.76	0.00	0.00	1.76
Worker	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.47	2.47	0.00	0.00	2.48
Total	0.00	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.23	4.23	0.00	0.00	4.24

3.3 Grading Haul 1 (Site) - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										M1/yr					
Fugitive Dust					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.16	1.54	0.90	0.00	2.33	0.07	2.40	0.01	0.07	0.08	0.00	248.61	248.61	0.01	0.00	248.76
Vendor	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
Worker	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
Total	0.16	1.54	0.90	0.00	2.33	0.07	2.40	0.01	0.07	0.08	0.00	248.61	248.61	0.01	0.00	248.76

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.16	1.54	0.90	0.00	2.12	0.07	2.19	0.01	0.07	0.08	0.00	248.61	248.61	0.01	0.00	248.76
Vendor	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
Worker	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
Total	0.16	1.54	0.90	0.00	2.12	0.07	2.19	0.01	0.07	0.08	0.00	248.61	248.61	0.01	0.00	248.76

3.4 Grading Haul 2 (Site) - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.05	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.30	7.30	0.00	0.00	7.31
Vendor	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
Worker	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
Total	0.00	0.05	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.30	7.30	0.00	0.00	7.31

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.05	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.30	7.30	0.00	0.00	7.31
Vendor	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
Worker	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
Total	0.00	0.05	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.30	7.30	0.00	0.00	7.31

3.5 Paving (home pads) - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.01	0.05	0.04	0.00		0.00	0.00		0.00	0.00	0.00	5.34	5.34	0.00	0.00	5.35
Paving	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.01	0.05	0.04	0.00		0.00	0.00		0.00	0.00	0.00	5.34	5.34	0.00	0.00	5.35

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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
Vendor	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
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.65	0.65	0.00	0.00	0.65
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.65	0.65	0.00	0.00	0.65

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Off-Road	0.01	0.05	0.04	0.00		0.00	0.00		0.00	0.00	0.00	5.34	5.34	0.00	0.00	5.35
Paving	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.01	0.05	0.04	0.00		0.00	0.00		0.00	0.00	0.00	5.34	5.34	0.00	0.00	5.35

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Hauling	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
Vendor	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
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.65	0.65	0.00	0.00	0.65
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.65	0.65	0.00	0.00	0.65

3.6 Trenching (Road Hogging) - 2014

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Off-Road	0.00	0.01	0.01	0.00		0.00	0.00		0.00	0.00	0.00	1.48	1.48	0.00	0.00	1.49
Total	0.00	0.01	0.01	0.00		0.00	0.00		0.00	0.00	0.00	1.48	1.48	0.00	0.00	1.49

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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
Vendor	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
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.33	0.00	0.00	0.33
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.33	0.00	0.00	0.33

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.00	0.01	0.01	0.00		0.00	0.00		0.00	0.00	0.00	1.48	1.48	0.00	0.00	1.49
Total	0.00	0.01	0.01	0.00		0.00	0.00		0.00	0.00	0.00	1.48	1.48	0.00	0.00	1.49

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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
Vendor	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
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.33	0.00	0.00	0.33
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.33	0.00	0.00	0.33

3.7 Paving (Roadbase) - 2014

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Off-Road	0.01	0.08	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.69	7.69	0.00	0.00	7.71
Paving	0.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.01	0.08	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.69	7.69	0.00	0.00	7.71

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Hauling	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
Vendor	0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.98	2.98	0.00	0.00	2.99
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.30	0.00	0.00	0.30
Total	0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.28	3.28	0.00	0.00	3.29

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Off-Road	0.01	0.08	0.04	0.00		0.00	0.00		0.00	0.00	0.00	7.69	7.69	0.00	0.00	7.71
Paving	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.01	0.08	0.04	0.00		0.00	0.00		0.00	0.00	0.00	7.69	7.69	0.00	0.00	7.71

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										M1/yr					
Hauling	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
Vendor	0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.98	2.98	0.00	0.00	2.99
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.30	0.00	0.00	0.30
Total	0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.28	3.28	0.00	0.00	3.29

3.8 Grading (Road) - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										M1/yr					
Fugitive Dust					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.00	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.69	2.69	0.00	0.00	2.69
Total	0.00	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.69	2.69	0.00	0.00	2.69

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										M1/yr					
Hauling	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
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.45	0.00	0.00	0.45
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.24	0.00	0.00	0.24
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.69	0.69	0.00	0.00	0.69

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.00	0.03	0.02	0.00		0.00	0.00	0.00	0.00	0.00	0.00	2.69	2.69	0.00	0.00	2.69
Total	0.00	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.69	2.69	0.00	0.00	2.69

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.45	0.00	0.00	0.45
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.24	0.00	0.00	0.24
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.69	0.69	0.00	0.00	0.69

3.9 Paving (Road) - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.02	0.12	0.09	0.00		0.01	0.01		0.01	0.01	0.00	12.84	12.84	0.00	0.00	12.86
Paving	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.02	0.12	0.09	0.00		0.01	0.01		0.01	0.01	0.00	12.84	12.84	0.00	0.00	12.86

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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
Vendor	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.20	1.20	0.00	0.00	1.20
Worker	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.30	1.30	0.00	0.00	1.31
Total	0.00	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	2.50	0.00	0.00	2.51

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.02	0.12	0.09	0.00		0.01	0.01		0.01	0.01	0.00	12.84	12.84	0.00	0.00	12.86
Paving	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.02	0.12	0.09	0.00		0.01	0.01		0.01	0.01	0.00	12.84	12.84	0.00	0.00	12.86

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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
Vendor	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.20	1.20	0.00	0.00	1.20
Worker	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.30	1.30	0.00	0.00	1.31
Total	0.00	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	2.50	0.00	0.00	2.51

3.10 Trenching (Site) - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.02	0.11	0.09	0.00		0.01	0.01		0.01	0.01	0.00	12.82	12.82	0.00	0.00	12.85
Total	0.02	0.11	0.09	0.00		0.01	0.01		0.01	0.01	0.00	12.82	12.82	0.00	0.00	12.85

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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
Vendor	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
Worker	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.71	1.71	0.00	0.00	1.71
Total	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.71	1.71	0.00	0.00	1.71

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.02	0.11	0.09	0.00		0.01	0.01		0.01	0.01	0.00	12.82	12.82	0.00	0.00	12.85
Total	0.02	0.11	0.09	0.00		0.01	0.01		0.01	0.01	0.00	12.82	12.82	0.00	0.00	12.85

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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
Vendor	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
Worker	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.71	1.71	0.00	0.00	1.71
Total	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.71	1.71	0.00	0.00	1.71

3.11 Backfill/Fine Grading - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.01	0.07	0.06	0.00		0.00	0.00		0.00	0.00	0.00	8.21	8.21	0.00	0.00	8.23
Total	0.01	0.07	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.21	8.21	0.00	0.00	8.23

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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
Vendor	0.00	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.52	5.52	0.00	0.00	5.52
Worker	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.59	3.59	0.00	0.00	3.59
Total	0.00	0.03	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.11	9.11	0.00	0.00	9.11

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.01	0.07	0.06	0.00		0.00	0.00		0.00	0.00	0.00	8.21	8.21	0.00	0.00	8.23
Total	0.01	0.07	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.21	8.21	0.00	0.00	8.23

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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
Vendor	0.00	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.52	5.52	0.00	0.00	5.52
Worker	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.59	3.59	0.00	0.00	3.59
Total	0.00	0.03	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.11	9.11	0.00	0.00	9.11

3.12 Pilings - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.01	0.11	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.46	18.46	0.00	0.00	18.49
Total	0.01	0.11	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.46	18.46	0.00	0.00	18.49

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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
Vendor	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
Worker	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.57	1.57	0.00	0.00	1.57
Total	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.57	1.57	0.00	0.00	1.57

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.01	0.11	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.46	18.46	0.00	0.00	18.49
Total	0.01	0.11	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.46	18.46	0.00	0.00	18.49

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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
Vendor	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
Worker	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.57	1.57	0.00	0.00	1.57
Total	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.57	1.57	0.00	0.00	1.57

3.13 Skate Park - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.02	0.20	0.12	0.00		0.01	0.01		0.01	0.01	0.00	23.05	23.05	0.00	0.00	23.10
Paving	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.02	0.20	0.12	0.00		0.01	0.01		0.01	0.01	0.00	23.05	23.05	0.00	0.00	23.10

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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
Vendor	0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.11	3.11	0.00	0.00	3.11
Worker	0.00	0.00	0.04	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	6.74	6.74	0.00	0.00	6.75
Total	0.00	0.02	0.05	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	9.85	9.85	0.00	0.00	9.86

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.02	0.20	0.12	0.00		0.01	0.01		0.01	0.01	0.00	23.05	23.05	0.00	0.00	23.10
Paving	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.02	0.20	0.12	0.00		0.01	0.01		0.01	0.01	0.00	23.05	23.05	0.00	0.00	23.10

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										M1/yr					
Hauling	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
Vendor	0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.11	3.11	0.00	0.00	3.11
Worker	0.00	0.00	0.04	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	6.74	6.74	0.00	0.00	6.75
Total	0.00	0.02	0.05	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	9.85	9.85	0.00	0.00	9.86

3.13 Skate Park - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										M1/yr					
Off-Road	0.01	0.08	0.05	0.00		0.00	0.00		0.00	0.00	0.00	10.41	10.41	0.00	0.00	10.43
Paving	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.01	0.08	0.05	0.00		0.00	0.00		0.00	0.00	0.00	10.41	10.41	0.00	0.00	10.43

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										M1/yr					
Hauling	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
Vendor	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.41	1.41	0.00	0.00	1.41
Worker	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.98	2.98	0.00	0.00	2.99
Total	0.00	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.39	4.39	0.00	0.00	4.40

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										M1/yr					
Off-Road	0.01	0.08	0.05	0.00		0.00	0.00		0.00	0.00	0.00	10.41	10.41	0.00	0.00	10.43
Paving	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.01	0.08	0.05	0.00		0.00	0.00		0.00	0.00	0.00	10.41	10.41	0.00	0.00	10.43

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										M1/yr					
Hauling	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
Vendor	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.41	1.41	0.00	0.00	1.41
Worker	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.98	2.98	0.00	0.00	2.99
Total	0.00	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.39	4.39	0.00	0.00	4.40

3.14 Demolition (Maintenance Shed) - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										M1/yr					
Fugitive Dust					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.62	0.62	0.00	0.00	0.62
Total	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.62	0.62	0.00	0.00	0.62

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										M1/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.38	0.00	0.00	0.38
Vendor	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
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.08	0.00	0.00	0.08
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46	0.46	0.00	0.00	0.46

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										M1/yr					
Fugitive Dust					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.62	0.62	0.00	0.00	0.62
Total	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.62	0.62	0.00	0.00	0.62

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.38	0.00	0.00	0.38
Vendor	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
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.08	0.00	0.00	0.08
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46	0.46	0.00	0.00	0.46

3.15 Finish Common Area - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.01	0.05	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.42	8.42	0.00	0.00	8.44
Total	0.01	0.05	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.42	8.42	0.00	0.00	8.44

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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
Vendor	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.59	1.59	0.00	0.00	1.59
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.43	0.43	0.00	0.00	0.43
Total	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.02	2.02	0.00	0.00	2.02

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.01	0.05	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.42	8.42	0.00	0.00	8.44
Total	0.01	0.05	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.42	8.42	0.00	0.00	8.44

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										M1/yr					
Hauling	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
Vendor	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.59	1.59	0.00	0.00	1.59
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.43	0.43	0.00	0.00	0.43
Total	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.02	2.02	0.00	0.00	2.02

3.16 Paving - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										M1/yr					
Off-Road	0.00	0.03	0.04	0.00		0.00	0.00		0.00	0.00	0.00	5.34	5.34	0.00	0.00	5.35
Paving	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.03	0.04	0.00		0.00	0.00		0.00	0.00	0.00	5.34	5.34	0.00	0.00	5.35

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										M1/yr					
Hauling	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
Vendor	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
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.77	0.77	0.00	0.00	0.77
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.77	0.77	0.00	0.00	0.77

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										M1/yr					
Off-Road	0.00	0.03	0.04	0.00		0.00	0.00		0.00	0.00	0.00	5.34	5.34	0.00	0.00	5.35
Paving	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.03	0.04	0.00		0.00	0.00		0.00	0.00	0.00	5.34	5.34	0.00	0.00	5.35

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										M1/yr					
Hauling	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
Vendor	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
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.77	0.77	0.00	0.00	0.77
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.77	0.77	0.00	0.00	0.77

Construction_Lots 1&2
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Single Family Housing	2	Dwelling Unit

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)		Utility Company	Southern California Edison
Climate Zone	8		2.2		
		Precipitation Freq (Days)			

1.3 User Entered Comments

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- Project Characteristics -
- Land Use - Based on project description
- Construction Phase - Based on information provided by applicant.
- Off-road Equipment - Based on information provided by applicant.
- Construction Off-road Equipment Mitigation -
- Grading -
- Demolition -
- Trips and VMT - Based on information provided by applicant.
- Off-road Equipment - Based on information provided by applicant.
- Off-road Equipment - Based on information provided by applicant.
- Off-road Equipment -

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					
2014	2.68	19.06	14.17	0.02	0.07	1.38	1.45	0.00	1.38	1.38	0.00	2,278.60	0.00	0.24	0.00	2,283.58
2015	2.44	17.58	14.00	0.02	0.07	1.23	1.30	0.00	1.23	1.23	0.00	2,278.74	0.00	0.21	0.00	2,283.24
2016	2.75	7.16	6.71	0.01	0.05	0.46	0.52	0.00	0.46	0.47	0.00	1,091.63	0.00	0.09	0.00	1,093.47
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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					
2014	2.68	19.06	14.17	0.02	0.07	1.38	1.44	0.00	1.38	1.38	0.00	2,278.60	0.00	0.24	0.00	2,283.58
2015	2.44	17.58	14.00	0.02	0.07	1.23	1.29	0.00	1.23	1.23	0.00	2,278.74	0.00	0.21	0.00	2,283.24
2016	2.75	7.16	6.71	0.01	0.05	0.46	0.51	0.00	0.46	0.47	0.00	1,091.63	0.00	0.09	0.00	1,093.47
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

3.0 Construction Detail

3.1 Mitigation Measures Construction

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

3.2 Building Lots - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.58	18.09	13.42	0.02		1.35	1.35		1.35	1.35		2,101.71		0.23		2,106.58
Total	2.58	18.09	13.42	0.02		1.35	1.35		1.35	1.35		2,101.71		0.23		2,106.58

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.05	0.96	0.68	0.00	0.06	0.03	0.09	0.00	0.03	0.04		165.17		0.00		165.27
Worker	0.01	0.01	0.07	0.00	0.02	0.00	0.02	0.00	0.00	0.00		11.71		0.00		11.73
Total	0.10	0.97	0.75	0.00	0.08	0.03	0.11	0.00	0.03	0.04		176.88		0.00		177.00

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.58	18.09	13.42	0.02		1.35	1.35		1.35	1.35	0.00	2,101.71		0.23		2,106.58
Total	2.58	18.09	13.42	0.02		1.35	1.35		1.35	1.35	0.00	2,101.71		0.23		2,106.58

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.09	0.96	0.68	0.00	0.05	0.03	0.08	0.00	0.03	0.04		165.17		0.00		165.27
Worker	0.01	0.01	0.07	0.00	0.01	0.00	0.01	0.00	0.00	0.00		11.71		0.00		11.73
Total	0.10	0.97	0.75	0.00	0.06	0.03	0.09	0.00	0.03	0.04		176.88		0.00		177.00

3.2 Building Lots - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.35	16.70	13.32	0.02		1.20	1.20		1.20	1.20		2,101.71		0.21		2,106.12
Total	2.35	16.70	13.32	0.02		1.20	1.20		1.20	1.20		2,101.71		0.21		2,106.12

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.08	0.87	0.62	0.00	0.06	0.03	0.09	0.00	0.03	0.03		165.55		0.00		165.63
Worker	0.01	0.01	0.06	0.00	0.02	0.00	0.02	0.00	0.00	0.00		11.47		0.00		11.49
Total	0.09	0.88	0.68	0.00	0.08	0.03	0.11	0.00	0.03	0.03		177.02		0.00		177.12

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.35	16.70	13.32	0.02		1.20	1.20		1.20	1.20	0.00	2,101.71		0.21		2,106.12
Total	2.35	16.70	13.32	0.02		1.20	1.20		1.20	1.20	0.00	2,101.71		0.21		2,106.12

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.08	0.87	0.62	0.00	0.05	0.03	0.08	0.00	0.03	0.03		165.55		0.00		165.63
Worker	0.01	0.01	0.06	0.00	0.01	0.00	0.01	0.00	0.00	0.00		11.47		0.00		11.49
Total	0.09	0.88	0.68	0.00	0.06	0.03	0.09	0.00	0.03	0.03		177.02		0.00		177.12

3.3 Finishing Homes - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.63	4.65	4.41	0.01		0.30	0.30		0.30	0.30		688.55		0.06		689.75
Total	0.63	4.65	4.41	0.01		0.30	0.30		0.30	0.30		688.55		0.06		689.75

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.06	0.58	0.41	0.00	0.04	0.02	0.06	0.00	0.02	0.02		110.36		0.00		110.42
Worker	0.01	0.01	0.06	0.00	0.02	0.00	0.02	0.00	0.00	0.00		11.47		0.00		11.49
Total	0.07	0.59	0.47	0.00	0.06	0.02	0.08	0.00	0.02	0.02		121.83		0.00		121.91

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.63	4.65	4.41	0.01		0.30	0.30		0.30	0.30	0.00	688.55		0.06		689.75
Total	0.63	4.65	4.41	0.01		0.30	0.30		0.30	0.30	0.00	688.55		0.06		689.75

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.06	0.58	0.41	0.00	0.03	0.02	0.05	0.00	0.02	0.02		110.36		0.00		110.42
Worker	0.01	0.01	0.06	0.00	0.01	0.00	0.01	0.00	0.00	0.00		11.47		0.00		11.49
Total	0.07	0.59	0.47	0.00	0.04	0.02	0.06	0.00	0.02	0.02		121.83		0.00		121.91

3.3 Finishing Homes - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.57	4.24	4.39	0.01		0.25	0.25		0.25	0.25		688.55		0.05		689.63
Total	0.57	4.24	4.39	0.01		0.25	0.25		0.25	0.25		688.55		0.05		689.63

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.05	0.54	0.38	0.00	0.04	0.02	0.06	0.00	0.02	0.02		110.58		0.00		110.63
Worker	0.01	0.01	0.06	0.00	0.02	0.00	0.02	0.00	0.00	0.00		11.31		0.00		11.32
Total	0.06	0.55	0.44	0.00	0.06	0.02	0.08	0.00	0.02	0.02		121.89		0.00		121.95

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.57	4.24	4.39	0.01		0.25	0.25		0.25	0.25	0.00	688.55		0.05		689.63
Total	0.57	4.24	4.39	0.01		0.25	0.25		0.25	0.25	0.00	688.55		0.05		689.63

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.05	0.54	0.38	0.00	0.03	0.02	0.05	0.00	0.02	0.02		110.58		0.00		110.63
Worker	0.01	0.01	0.06	0.00	0.01	0.00	0.01	0.00	0.00	0.00		11.31		0.00		11.32
Total	0.06	0.55	0.44	0.00	0.04	0.02	0.06	0.00	0.02	0.02		121.89		0.00		121.95

3.4 Architectural Coating - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.75					0.00	0.00		0.00	0.00						0.00
Off-Road	0.37	2.37	1.88	0.00		0.20	0.20		0.20	0.20		281.19		0.03		281.89
Total	2.12	2.37	1.88	0.00		0.20	0.20		0.20	0.20		281.19		0.03		281.89

Unmitigated Construction Off-Site

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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.75					0.00	0.00		0.00	0.00						0.00
Off-Road	0.37	2.37	1.88	0.00		0.20	0.20		0.20	0.20	0.00	281.19		0.03		281.89
Total	2.12	2.37	1.88	0.00		0.20	0.20		0.20	0.20	0.00	281.19		0.03		281.89

Mitigated Construction Off-Site

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

Construction_Lots 1&2
Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Single Family Housing	2	Dwelling Unit

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)		Utility Company	Southern California Edison
Climate Zone	8		2.2		
		Precipitation Freq (Days)			
			33		

1.3 User Entered Comments

- Project Characteristics -
- Land Use - Based on project description
- Construction Phase - Based on information provided by applicant.
- Off-road Equipment - Based on information provided by applicant.
- Construction Off-road Equipment Mitigation -
- Grading -
- Demolition -
- Trips and VMT - Based on information provided by applicant.
- Off-road Equipment - Based on information provided by applicant.
- Off-road Equipment - Based on information provided by applicant.
- Off-road Equipment -

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					
2014	2.68	19.02	14.09	0.02	0.07	1.38	1.45	0.00	1.38	1.38	0.00	2,280.74	0.00	0.24	0.00	2,285.71
2015	2.43	17.55	13.92	0.02	0.07	1.23	1.30	0.00	1.23	1.23	0.00	2,280.89	0.00	0.21	0.00	2,285.40
2016	2.75	7.14	6.67	0.01	0.05	0.46	0.52	0.00	0.46	0.47	0.00	1,093.38	0.00	0.09	0.00	1,095.22
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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					
2014	2.68	19.02	14.09	0.02	0.07	1.38	1.44	0.00	1.38	1.38	0.00	2,280.74	0.00	0.24	0.00	2,285.71
2015	2.43	17.55	13.92	0.02	0.07	1.23	1.29	0.00	1.23	1.23	0.00	2,280.89	0.00	0.21	0.00	2,285.40
2016	2.75	7.14	6.67	0.01	0.05	0.46	0.51	0.00	0.46	0.47	0.00	1,093.38	0.00	0.09	0.00	1,095.22
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

3.0 Construction Detail

3.1 Mitigation Measures Construction

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

3.2 Building Lots - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.58	18.09	13.42	0.02		1.35	1.35		1.35	1.35		2,101.71		0.23		2,106.58
Total	2.58	18.09	13.42	0.02		1.35	1.35		1.35	1.35		2,101.71		0.23		2,106.58

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.09	0.92	0.60	0.00	0.06	0.03	0.09	0.00	0.03	0.04		166.38		0.00		166.47
Worker	0.01	0.01	0.07	0.00	0.02	0.00	0.02	0.00	0.00	0.00		12.64		0.00		12.66
Total	0.10	0.93	0.67	0.00	0.08	0.03	0.11	0.00	0.03	0.04		179.02		0.00		179.13

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.58	18.09	13.42	0.02		1.35	1.35		1.35	1.35	0.00	2,101.71		0.23		2,106.58
Total	2.58	18.09	13.42	0.02		1.35	1.35		1.35	1.35	0.00	2,101.71		0.23		2,106.58

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.09	0.92	0.60	0.00	0.05	0.03	0.08	0.00	0.03	0.04		166.38		0.00		166.47
Worker	0.01	0.01	0.07	0.00	0.01	0.00	0.01	0.00	0.00	0.00		12.64		0.00		12.66
Total	0.10	0.93	0.67	0.00	0.06	0.03	0.09	0.00	0.03	0.04		179.02		0.00		179.13

3.2 Building Lots - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.35	16.70	13.32	0.02		1.20	1.20		1.20	1.20		2,101.71		0.21		2,106.12
Total	2.35	16.70	13.32	0.02		1.20	1.20		1.20	1.20		2,101.71		0.21		2,106.12

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.08	0.84	0.54	0.00	0.06	0.03	0.09	0.00	0.03	0.03		166.79		0.00		166.88
Worker	0.01	0.01	0.07	0.00	0.02	0.00	0.02	0.00	0.00	0.00		12.39		0.00		12.40
Total	0.09	0.85	0.61	0.00	0.08	0.03	0.11	0.00	0.03	0.03		179.18		0.00		179.28

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.35	16.70	13.32	0.02		1.20	1.20		1.20	1.20	0.00	2,101.71		0.21		2,106.12
Total	2.35	16.70	13.32	0.02		1.20	1.20		1.20	1.20	0.00	2,101.71		0.21		2,106.12

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.08	0.84	0.54	0.00	0.05	0.03	0.08	0.00	0.03	0.03		166.79		0.00		166.88
Worker	0.01	0.01	0.07	0.00	0.01	0.00	0.01	0.00	0.00	0.00		12.39		0.00		12.40
Total	0.09	0.85	0.61	0.00	0.06	0.03	0.09	0.00	0.03	0.03		179.18		0.00		179.28

3.3 Finishing Homes - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.63	4.65	4.41	0.01		0.30	0.30		0.30	0.30		688.55		0.06		689.75
Total	0.63	4.65	4.41	0.01		0.30	0.30		0.30	0.30		688.55		0.06		689.75

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.05	0.56	0.36	0.00	0.04	0.02	0.06	0.00	0.02	0.02		111.19		0.00		111.25
Worker	0.01	0.01	0.07	0.00	0.02	0.00	0.02	0.00	0.00	0.00		12.39		0.00		12.40
Total	0.06	0.57	0.43	0.00	0.06	0.02	0.08	0.00	0.02	0.02		123.58		0.00		123.65

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.63	4.65	4.41	0.01		0.30	0.30		0.30	0.30	0.00	688.55		0.06		689.75
Total	0.63	4.65	4.41	0.01		0.30	0.30		0.30	0.30	0.00	688.55		0.06		689.75

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.05	0.56	0.36	0.00	0.03	0.02	0.05	0.00	0.02	0.02		111.19		0.00		111.25
Worker	0.01	0.01	0.07	0.00	0.01	0.00	0.01	0.00	0.00	0.00		12.39		0.00		12.40
Total	0.06	0.57	0.43	0.00	0.04	0.02	0.06	0.00	0.02	0.02		123.58		0.00		123.65

3.3 Finishing Homes - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.57	4.24	4.39	0.01		0.25	0.25		0.25	0.25		688.55		0.05		689.63
Total	0.57	4.24	4.39	0.01		0.25	0.25		0.25	0.25		688.55		0.05		689.63

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.05	0.52	0.33	0.00	0.04	0.02	0.06	0.00	0.02	0.02		111.43		0.00		111.48
Worker	0.01	0.01	0.06	0.00	0.02	0.00	0.02	0.00	0.00	0.00		12.21		0.00		12.22
Total	0.06	0.53	0.39	0.00	0.06	0.02	0.08	0.00	0.02	0.02		123.64		0.00		123.70

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.57	4.24	4.39	0.01		0.25	0.25		0.25	0.25	0.00	688.55		0.05		689.63
Total	0.57	4.24	4.39	0.01		0.25	0.25		0.25	0.25	0.00	688.55		0.05		689.63

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.05	0.52	0.33	0.00	0.03	0.02	0.05	0.00	0.02	0.02		111.43		0.00		111.48
Worker	0.01	0.01	0.06	0.00	0.01	0.00	0.01	0.00	0.00	0.00		12.21		0.00		12.22
Total	0.06	0.53	0.39	0.00	0.04	0.02	0.06	0.00	0.02	0.02		123.64		0.00		123.70

3.4 Architectural Coating - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.75					0.00	0.00		0.00	0.00						0.00
Off-Road	0.37	2.37	1.88	0.00		0.20	0.20		0.20	0.20		281.19		0.03		281.89
Total	2.12	2.37	1.88	0.00		0.20	0.20		0.20	0.20		281.19		0.03		281.89

Unmitigated Construction Off-Site

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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.75					0.00	0.00		0.00	0.00						0.00
Off-Road	0.37	2.37	1.88	0.00		0.20	0.20		0.20	0.20	0.00	281.19		0.03		281.89
Total	2.12	2.37	1.88	0.00		0.20	0.20		0.20	0.20	0.00	281.19		0.03		281.89

Mitigated Construction Off-Site

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

Construction_Lots 1&2
Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Single Family Housing	2	Dwelling Unit

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)		Utility Company	Southern California Edison
Climate Zone	8		2.2		
		Precipitation Freq (Days)			
1.3 User Entered Comments			33		

- Project Characteristics -
- Land Use - Based on project description
- Construction Phase - Based on information provided by applicant.
- Off-road Equipment - Based on information provided by applicant.
- Construction Off-road Equipment Mitigation -
- Grading -
- Demolition -
- Trips and VMT - Based on information provided by applicant.
- Off-road Equipment - Based on information provided by applicant.
- Off-road Equipment - Based on information provided by applicant.
- Off-road Equipment -

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2014	0.07	0.50	0.37	0.00	0.00	0.04	0.04	0.00	0.04	0.04	0.00	54.79	54.79	0.01	0.00	54.91
2015	0.15	1.09	0.94	0.00	0.01	0.07	0.08	0.00	0.07	0.07	0.00	140.63	140.63	0.01	0.00	140.88
2016	0.14	0.37	0.35	0.00	0.00	0.02	0.03	0.00	0.02	0.02	0.00	51.62	51.62	0.00	0.00	51.70
Total	0.36	1.96	1.66	0.00	0.01	0.13	0.15	0.00	0.13	0.13	0.00	247.04	247.04	0.02	0.00	247.49

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2014	0.07	0.50	0.37	0.00	0.00	0.04	0.04	0.00	0.04	0.04	0.00	54.79	54.79	0.01	0.00	54.91
2015	0.15	1.09	0.94	0.00	0.01	0.07	0.08	0.00	0.07	0.07	0.00	140.63	140.63	0.01	0.00	140.88
2016	0.14	0.37	0.35	0.00	0.00	0.02	0.03	0.00	0.02	0.02	0.00	51.62	51.62	0.00	0.00	51.70
Total	0.36	1.96	1.66	0.00	0.01	0.13	0.15	0.00	0.13	0.13	0.00	247.04	247.04	0.02	0.00	247.49

3.0 Construction Detail

3.1 Mitigation Measures Construction

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

3.2 Building Lots - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.07	0.48	0.36	0.00		0.04	0.04		0.04	0.04	0.00	50.51	50.51	0.01	0.00	50.63
Total	0.07	0.48	0.36	0.00		0.04	0.04		0.04	0.04	0.00	50.51	50.51	0.01	0.00	50.63

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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
Vendor	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.99	3.99	0.00	0.00	3.99
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.29	0.29	0.00	0.00	0.29
Total	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.28	4.28	0.00	0.00	4.28

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.07	0.48	0.36	0.00		0.04	0.04		0.04	0.04	0.00	50.51	50.51	0.01	0.00	50.63
Total	0.07	0.48	0.36	0.00		0.04	0.04		0.04	0.04	0.00	50.51	50.51	0.01	0.00	50.63

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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
Vendor	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.99	3.99	0.00	0.00	3.99
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.29	0.29	0.00	0.00	0.29
Total	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.28	4.28	0.00	0.00	4.28

3.2 Building Lots - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.08	0.56	0.45	0.00		0.04	0.04		0.04	0.04	0.00	63.86	63.86	0.01	0.00	63.99
Total	0.08	0.56	0.45	0.00		0.04	0.04		0.04	0.04	0.00	63.86	63.86	0.01	0.00	63.99

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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
Vendor	0.00	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.05	5.05	0.00	0.00	5.06
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.36	0.36	0.00	0.00	0.36
Total	0.00	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.41	5.41	0.00	0.00	5.42

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.08	0.56	0.45	0.00		0.04	0.04		0.04	0.04	0.00	63.86	63.86	0.01	0.00	63.99
Total	0.08	0.56	0.45	0.00		0.04	0.04		0.04	0.04	0.00	63.86	63.86	0.01	0.00	63.99

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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
Vendor	0.00	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.05	5.05	0.00	0.00	5.06
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.36	0.36	0.00	0.00	0.36
Total	0.00	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.41	5.41	0.00	0.00	5.42

3.3 Finishing Homes - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.06	0.45	0.43	0.00		0.03	0.03		0.03	0.03	0.00	60.57	60.57	0.01	0.00	60.68
Total	0.06	0.45	0.43	0.00		0.03	0.03		0.03	0.03	0.00	60.57	60.57	0.01	0.00	60.68

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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
Vendor	0.01	0.05	0.04	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	9.75	9.75	0.00	0.00	9.76
Worker	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.00	0.00	1.03
Total	0.01	0.05	0.05	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	10.78	10.78	0.00	0.00	10.79

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.06	0.45	0.43	0.00		0.03	0.03		0.03	0.03	0.00	60.57	60.57	0.01	0.00	60.68
Total	0.06	0.45	0.43	0.00		0.03	0.03		0.03	0.03	0.00	60.57	60.57	0.01	0.00	60.68

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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
Vendor	0.01	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.75	9.75	0.00	0.00	9.76
Worker	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.03	1.03	0.00	0.00	1.03
Total	0.01	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.78	10.78	0.00	0.00	10.79

3.3 Finishing Homes - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.03	0.22	0.23	0.00		0.01	0.01		0.01	0.01	0.00	33.10	33.10	0.00	0.00	33.15
Total	0.03	0.22	0.23	0.00		0.01	0.01		0.01	0.01	0.00	33.10	33.10	0.00	0.00	33.15

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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
Vendor	0.00	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.34	5.34	0.00	0.00	5.34
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.56	0.56	0.00	0.00	0.56
Total	0.00	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.90	5.90	0.00	0.00	5.90

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.03	0.22	0.23	0.00		0.01	0.01		0.01	0.01	0.00	33.10	33.10	0.00	0.00	33.15
Total	0.03	0.22	0.23	0.00		0.01	0.01		0.01	0.01	0.00	33.10	33.10	0.00	0.00	33.15

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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
Vendor	0.00	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.34	5.34	0.00	0.00	5.34
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.56	0.56	0.00	0.00	0.56
Total	0.00	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.90	5.90	0.00	0.00	5.90

3.4 Architectural Coating - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.09					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.02	0.12	0.09	0.00		0.01	0.01		0.01	0.01	0.00	12.62	12.62	0.00	0.00	12.65
Total	0.11	0.12	0.09	0.00		0.01	0.01		0.01	0.01	0.00	12.62	12.62	0.00	0.00	12.65

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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
Vendor	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
Worker	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
Total	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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.09					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.02	0.12	0.09	0.00		0.01	0.01		0.01	0.01	0.00	12.62	12.62	0.00	0.00	12.65
Total	0.11	0.12	0.09	0.00		0.01	0.01		0.01	0.01	0.00	12.62	12.62	0.00	0.00	12.65

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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
Vendor	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
Worker	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
Total	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

Construction_Lots 3&4
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Single Family Housing	2	Dwelling Unit

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)		Utility Company	Southern California Edison
Climate Zone	8		2.2		
		Precipitation Freq (Days)			

1.3 User Entered Comments

33

- Project Characteristics -
- Land Use - Based on project description
- Construction Phase - Based on information provided by applicant.
- Off-road Equipment - Based on information provided by applicant.
- Construction Off-road Equipment Mitigation -
- Grading -
- Demolition -
- Trips and VMT - Based on information provided by applicant.
- Off-road Equipment - Based on information provided by applicant.
- Off-road Equipment - Based on information provided by applicant.
- Off-road Equipment -

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					
2015	2.44	17.58	14.00	0.02	0.07	1.23	1.30	0.00	1.23	1.23	0.00	2,278.74	0.00	0.21	0.00	2,283.24
2016	2.57	5.93	5.52	0.01	0.05	0.38	0.43	0.00	0.38	0.38	0.00	912.86	0.00	0.07	0.00	914.36
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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					
2015	2.44	17.58	14.00	0.02	0.07	1.23	1.29	0.00	1.23	1.23	0.00	2,278.74	0.00	0.21	0.00	2,283.24
2016	2.57	5.93	5.52	0.01	0.05	0.38	0.43	0.00	0.38	0.38	0.00	912.86	0.00	0.07	0.00	914.36
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

3.0 Construction Detail

3.1 Mitigation Measures Construction

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

3.2 Building Lots - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.35	16.70	13.32	0.02		1.20	1.20		1.20	1.20		2,101.71		0.21		2,106.12
Total	2.35	16.70	13.32	0.02		1.20	1.20		1.20	1.20		2,101.71		0.21		2,106.12

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.08	0.87	0.62	0.00	0.06	0.03	0.09	0.00	0.03	0.03		165.55		0.00		165.63
Worker	0.01	0.01	0.06	0.00	0.02	0.00	0.02	0.00	0.00	0.00		11.47		0.00		11.49
Total	0.09	0.88	0.68	0.00	0.08	0.03	0.11	0.00	0.03	0.03		177.02		0.00		177.12

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.35	16.70	13.32	0.02		1.20	1.20		1.20	1.20	0.00	2,101.71		0.21		2,106.12
Total	2.35	16.70	13.32	0.02		1.20	1.20		1.20	1.20	0.00	2,101.71		0.21		2,106.12

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.08	0.87	0.62	0.00	0.05	0.03	0.08	0.00	0.03	0.03		165.55		0.00		165.63
Worker	0.01	0.01	0.06	0.00	0.01	0.00	0.01	0.00	0.00	0.00		11.47		0.00		11.49
Total	0.09	0.88	0.68	0.00	0.06	0.03	0.09	0.00	0.03	0.03		177.02		0.00		177.12

3.3 Finishing Homes - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.43	3.31	3.21	0.01		0.19	0.19		0.19	0.19		509.78		0.04		510.60
Total	0.43	3.31	3.21	0.01		0.19	0.19		0.19	0.19		509.78		0.04		510.60

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.06	0.58	0.41	0.00	0.04	0.02	0.06	0.00	0.02	0.02		110.36		0.00		110.42
Worker	0.01	0.01	0.06	0.00	0.02	0.00	0.02	0.00	0.00	0.00		11.47		0.00		11.49
Total	0.07	0.59	0.47	0.00	0.06	0.02	0.08	0.00	0.02	0.02		121.83		0.00		121.91

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.43	3.31	3.21	0.01		0.19	0.19		0.19	0.19	0.00	509.78		0.04		510.60
Total	0.43	3.31	3.21	0.01		0.19	0.19		0.19	0.19	0.00	509.78		0.04		510.60

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.06	0.58	0.41	0.00	0.03	0.02	0.05	0.00	0.02	0.02		110.36		0.00		110.42
Worker	0.01	0.01	0.06	0.00	0.01	0.00	0.01	0.00	0.00	0.00		11.47		0.00		11.49
Total	0.07	0.59	0.47	0.00	0.04	0.02	0.06	0.00	0.02	0.02		121.83		0.00		121.91

3.3 Finishing Homes - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.39	3.02	3.19	0.01		0.16	0.16		0.16	0.16		509.78		0.04		510.52
Total	0.39	3.02	3.19	0.01		0.16	0.16		0.16	0.16		509.78		0.04		510.52

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.05	0.54	0.38	0.00	0.04	0.02	0.06	0.00	0.02	0.02		110.58		0.00		110.63
Worker	0.01	0.01	0.06	0.00	0.02	0.00	0.02	0.00	0.00	0.00		11.31		0.00		11.32
Total	0.06	0.55	0.44	0.00	0.06	0.02	0.08	0.00	0.02	0.02		121.89		0.00		121.95

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.39	3.02	3.19	0.01		0.16	0.16		0.16	0.16	0.00	509.78		0.04		510.52
Total	0.39	3.02	3.19	0.01		0.16	0.16		0.16	0.16	0.00	509.78		0.04		510.52

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.05	0.54	0.38	0.00	0.03	0.02	0.05	0.00	0.02	0.02		110.58		0.00		110.63
Worker	0.01	0.01	0.06	0.00	0.01	0.00	0.01	0.00	0.00	0.00		11.31		0.00		11.32
Total	0.06	0.55	0.44	0.00	0.04	0.02	0.06	0.00	0.02	0.02		121.89		0.00		121.95

3.4 Architectural Coating - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.75					0.00	0.00		0.00	0.00						0.00
Off-Road	0.37	2.37	1.88	0.00		0.20	0.20		0.20	0.20		281.19		0.03		281.89
Total	2.12	2.37	1.88	0.00		0.20	0.20		0.20	0.20		281.19		0.03		281.89

Unmitigated Construction Off-Site

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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.75					0.00	0.00		0.00	0.00						0.00
Off-Road	0.37	2.37	1.88	0.00		0.20	0.20		0.20	0.20	0.00	281.19		0.03		281.89
Total	2.12	2.37	1.88	0.00		0.20	0.20		0.20	0.20	0.00	281.19		0.03		281.89

Mitigated Construction Off-Site

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

Construction_Lots 3&4
Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Single Family Housing	2	Dwelling Unit

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)		Utility Company	Southern California Edison
Climate Zone	8		2.2		
		Precipitation Freq (Days)			

1.3 User Entered Comments

33

- Project Characteristics -
- Land Use - Based on project description
- Construction Phase - Based on information provided by applicant.
- Off-road Equipment - Based on information provided by applicant.
- Construction Off-road Equipment Mitigation -
- Grading -
- Demolition -
- Trips and VMT - Based on information provided by applicant.
- Off-road Equipment - Based on information provided by applicant.
- Off-road Equipment - Based on information provided by applicant.
- Off-road Equipment -

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					
2015	2.43	17.55	13.92	0.02	0.07	1.23	1.30	0.00	1.23	1.23	0.00	2,280.89	0.00	0.21	0.00	2,285.40
2016	2.56	5.91	5.47	0.01	0.05	0.38	0.43	0.00	0.38	0.38	0.00	914.61	0.00	0.07	0.00	916.11
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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					
2015	2.43	17.55	13.92	0.02	0.07	1.23	1.29	0.00	1.23	1.23	0.00	2,280.89	0.00	0.21	0.00	2,285.40
2016	2.56	5.91	5.47	0.01	0.05	0.38	0.42	0.00	0.38	0.38	0.00	914.61	0.00	0.07	0.00	916.11
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

3.0 Construction Detail

3.1 Mitigation Measures Construction

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

3.2 Building Lots - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.35	16.70	13.32	0.02		1.20	1.20		1.20	1.20		2,101.71		0.21		2,106.12
Total	2.35	16.70	13.32	0.02		1.20	1.20		1.20	1.20		2,101.71		0.21		2,106.12

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.08	0.84	0.54	0.00	0.06	0.03	0.09	0.00	0.03	0.03		166.79		0.00		166.88
Worker	0.01	0.01	0.07	0.00	0.02	0.00	0.02	0.00	0.00	0.00		12.39		0.00		12.40
Total	0.09	0.85	0.61	0.00	0.08	0.03	0.11	0.00	0.03	0.03		179.18		0.00		179.28

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.35	16.70	13.32	0.02		1.20	1.20		1.20	1.20	0.00	2,101.71		0.21		2,106.12
Total	2.35	16.70	13.32	0.02		1.20	1.20		1.20	1.20	0.00	2,101.71		0.21		2,106.12

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.08	0.84	0.54	0.00	0.05	0.03	0.08	0.00	0.03	0.03		166.79		0.00		166.88
Worker	0.01	0.01	0.07	0.00	0.01	0.00	0.01	0.00	0.00	0.00		12.39		0.00		12.40
Total	0.09	0.85	0.61	0.00	0.06	0.03	0.09	0.00	0.03	0.03		179.18		0.00		179.28

3.3 Finishing Homes - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.43	3.31	3.21	0.01		0.19	0.19		0.19	0.19		509.78		0.04		510.60
Total	0.43	3.31	3.21	0.01		0.19	0.19		0.19	0.19		509.78		0.04		510.60

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.05	0.56	0.36	0.00	0.04	0.02	0.06	0.00	0.02	0.02		111.19		0.00		111.25
Worker	0.01	0.01	0.07	0.00	0.02	0.00	0.02	0.00	0.00	0.00		12.39		0.00		12.40
Total	0.06	0.57	0.43	0.00	0.06	0.02	0.08	0.00	0.02	0.02		123.58		0.00		123.65

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.43	3.31	3.21	0.01		0.19	0.19		0.19	0.19	0.00	509.78		0.04		510.60
Total	0.43	3.31	3.21	0.01		0.19	0.19		0.19	0.19	0.00	509.78		0.04		510.60

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.05	0.56	0.36	0.00	0.03	0.02	0.05	0.00	0.02	0.02		111.19		0.00		111.25
Worker	0.01	0.01	0.07	0.00	0.01	0.00	0.01	0.00	0.00	0.00		12.39		0.00		12.40
Total	0.06	0.57	0.43	0.00	0.04	0.02	0.06	0.00	0.02	0.02		123.58		0.00		123.65

3.3 Finishing Homes - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.39	3.02	3.19	0.01		0.16	0.16		0.16	0.16		509.78		0.04		510.52
Total	0.39	3.02	3.19	0.01		0.16	0.16		0.16	0.16		509.78		0.04		510.52

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.05	0.52	0.33	0.00	0.04	0.02	0.06	0.00	0.02	0.02		111.43		0.00		111.48
Worker	0.01	0.01	0.06	0.00	0.02	0.00	0.02	0.00	0.00	0.00		12.21		0.00		12.22
Total	0.06	0.53	0.39	0.00	0.06	0.02	0.08	0.00	0.02	0.02		123.64		0.00		123.70

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.39	3.02	3.19	0.01		0.16	0.16		0.16	0.16	0.00	509.78		0.04		510.52
Total	0.39	3.02	3.19	0.01		0.16	0.16		0.16	0.16	0.00	509.78		0.04		510.52

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.05	0.52	0.33	0.00	0.03	0.02	0.05	0.00	0.02	0.02		111.43		0.00		111.48
Worker	0.01	0.01	0.06	0.00	0.01	0.00	0.01	0.00	0.00	0.00		12.21		0.00		12.22
Total	0.06	0.53	0.39	0.00	0.04	0.02	0.06	0.00	0.02	0.02		123.64		0.00		123.70

3.4 Architectural Coating - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.75					0.00	0.00		0.00	0.00						0.00
Off-Road	0.37	2.37	1.88	0.00		0.20	0.20		0.20	0.20		281.19		0.03		281.89
Total	2.12	2.37	1.88	0.00		0.20	0.20		0.20	0.20		281.19		0.03		281.89

Unmitigated Construction Off-Site

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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.75					0.00	0.00		0.00	0.00						0.00
Off-Road	0.37	2.37	1.88	0.00		0.20	0.20		0.20	0.20	0.00	281.19		0.03		281.89
Total	2.12	2.37	1.88	0.00		0.20	0.20		0.20	0.20	0.00	281.19		0.03		281.89

Mitigated Construction Off-Site

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

Construction_Lots 3&4
Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Single Family Housing	2	Dwelling Unit

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)		Utility Company	Southern California Edison
Climate Zone	8		2.2		
		Precipitation Freq (Days)			
1.3 User Entered Comments			33		

- Project Characteristics -
- Land Use - Based on project description
- Construction Phase - Based on information provided by applicant.
- Off-road Equipment - Based on information provided by applicant.
- Construction Off-road Equipment Mitigation -
- Grading -
- Demolition -
- Trips and VMT - Based on information provided by applicant.
- Off-road Equipment - Based on information provided by applicant.
- Off-road Equipment - Based on information provided by applicant.
- Off-road Equipment -

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2015	0.17	1.26	1.03	0.00	0.01	0.08	0.09	0.00	0.08	0.09	0.00	154.17	154.17	0.01	0.00	154.46
2016	0.15	0.46	0.45	0.00	0.00	0.03	0.03	0.00	0.03	0.03	0.00	68.55	68.55	0.00	0.00	68.65
Total	0.32	1.72	1.48	0.00	0.01	0.11	0.12	0.00	0.11	0.12	0.00	222.72	222.72	0.01	0.00	223.11

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2015	0.17	1.26	1.03	0.00	0.01	0.08	0.09	0.00	0.08	0.09	0.00	154.17	154.17	0.01	0.00	154.46
2016	0.15	0.46	0.45	0.00	0.00	0.03	0.03	0.00	0.03	0.03	0.00	68.55	68.55	0.00	0.00	68.65
Total	0.32	1.72	1.48	0.00	0.01	0.11	0.12	0.00	0.11	0.12	0.00	222.72	222.72	0.01	0.00	223.11

3.0 Construction Detail

3.1 Mitigation Measures Construction

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

3.2 Building Lots - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.14	1.00	0.80	0.00		0.07	0.07		0.07	0.07	0.00	114.37	114.37	0.01	0.00	114.61
Total	0.14	1.00	0.80	0.00		0.07	0.07		0.07	0.07	0.00	114.37	114.37	0.01	0.00	114.61

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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
Vendor	0.00	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.05	9.05	0.00	0.00	9.06
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.64	0.00	0.00	0.64
Total	0.00	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.69	9.69	0.00	0.00	9.70

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.14	1.00	0.80	0.00		0.07	0.07		0.07	0.07	0.00	114.37	114.37	0.01	0.00	114.61
Total	0.14	1.00	0.80	0.00		0.07	0.07		0.07	0.07	0.00	114.37	114.37	0.01	0.00	114.61

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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
Vendor	0.00	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.05	9.05	0.00	0.00	9.06
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.64	0.00	0.00	0.64
Total	0.00	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.69	9.69	0.00	0.00	9.70

3.3 Finishing Homes - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.02	0.17	0.17	0.00		0.01	0.01		0.01	0.01	0.00	24.27	24.27	0.00	0.00	24.31
Total	0.02	0.17	0.17	0.00		0.01	0.01		0.01	0.01	0.00	24.27	24.27	0.00	0.00	24.31

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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
Vendor	0.00	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.28	5.28	0.00	0.00	5.28
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.56	0.56	0.00	0.00	0.56
Total	0.00	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.84	5.84	0.00	0.00	5.84

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.02	0.17	0.17	0.00		0.01	0.01		0.01	0.01	0.00	24.27	24.27	0.00	0.00	24.31
Total	0.02	0.17	0.17	0.00		0.01	0.01		0.01	0.01	0.00	24.27	24.27	0.00	0.00	24.31

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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
Vendor	0.00	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.28	5.28	0.00	0.00	5.28
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.56	0.56	0.00	0.00	0.56
Total	0.00	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.84	5.84	0.00	0.00	5.84

3.3 Finishing Homes - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.04	0.29	0.31	0.00		0.02	0.02		0.02	0.02	0.00	45.08	45.08	0.00	0.00	45.14
Total	0.04	0.29	0.31	0.00		0.02	0.02		0.02	0.02	0.00	45.08	45.08	0.00	0.00	45.14

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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
Vendor	0.00	0.05	0.04	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	9.82	9.82	0.00	0.00	9.83
Worker	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.00	0.00	1.03
Total	0.00	0.05	0.05	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	10.84	10.84	0.00	0.00	10.86

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.04	0.29	0.31	0.00		0.02	0.02		0.02	0.02	0.00	45.08	45.08	0.00	0.00	45.14
Total	0.04	0.29	0.31	0.00		0.02	0.02		0.02	0.02	0.00	45.08	45.08	0.00	0.00	45.14

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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
Vendor	0.00	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.82	9.82	0.00	0.00	9.83
Worker	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.02	1.02	0.00	0.00	1.03
Total	0.00	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.84	10.84	0.00	0.00	10.86

3.4 Architectural Coating - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.09					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.02	0.12	0.09	0.00		0.01	0.01		0.01	0.01	0.00	12.62	12.62	0.00	0.00	12.65
Total	0.11	0.12	0.09	0.00		0.01	0.01		0.01	0.01	0.00	12.62	12.62	0.00	0.00	12.65

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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
Vendor	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
Worker	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
Total	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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.09					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.02	0.12	0.09	0.00		0.01	0.01		0.01	0.01	0.00	12.62	12.62	0.00	0.00	12.65
Total	0.11	0.12	0.09	0.00		0.01	0.01		0.01	0.01	0.00	12.62	12.62	0.00	0.00	12.65

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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
Vendor	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
Worker	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
Total	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

Construction_Lot 5
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Single Family Housing	1	Dwelling Unit

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)		Utility Company	Southern California Edison
Climate Zone	8		2.2		
		Precipitation Freq (Days)			
			33		

1.3 User Entered Comments

- Project Characteristics -
- Land Use - Based on project description
- Construction Phase - Based on information provided by applicant.
- Off-road Equipment - Based on information provided by applicant.
- Construction Off-road Equipment Mitigation -
- Grading -
- Demolition -
- Trips and VMT - Based on information provided by applicant.
- Off-road Equipment - Based on information provided by applicant.
- Off-road Equipment - Based on information provided by applicant.
- Off-road Equipment -

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					
2015	1.72	12.35	10.10	0.02	0.06	0.85	0.90	0.00	0.85	0.85	0.00	1,644.80	0.00	0.15	0.00	1,647.96
2016	1.63	5.48	5.11	0.01	0.02	0.36	0.38	0.00	0.36	0.36	0.00	821.03	0.00	0.07	0.00	822.43
2017	1.56	5.03	5.08	0.01	0.02	0.31	0.33	0.00	0.31	0.31	0.00	821.13	0.00	0.06	0.00	822.41
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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					
2015	1.72	12.35	10.10	0.02	0.05	0.85	0.90	0.00	0.85	0.85	0.00	1,644.80	0.00	0.15	0.00	1,647.96
2016	1.63	5.48	5.11	0.01	0.02	0.36	0.38	0.00	0.36	0.36	0.00	821.03	0.00	0.07	0.00	822.43
2017	1.56	5.03	5.08	0.01	0.02	0.31	0.33	0.00	0.31	0.31	0.00	821.13	0.00	0.06	0.00	822.41
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

3.0 Construction Detail

3.1 Mitigation Measures Construction

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

3.2 Building Lots - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.63	11.48	9.49	0.02		0.82	0.82		0.82	0.82		1,479.25		0.15		1,482.32
Total	1.63	11.48	9.49	0.02		0.82	0.82		0.82	0.82		1,479.25		0.15		1,482.32

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.08	0.87	0.62	0.00	0.06	0.03	0.09	0.00	0.03	0.03		165.55		0.00		165.63
Worker	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
Total	0.08	0.87	0.62	0.00	0.06	0.03	0.09	0.00	0.03	0.03		165.55		0.00		165.63

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.63	11.48	9.49	0.02		0.82	0.82		0.82	0.82	0.00	1,479.25		0.15		1,482.32
Total	1.63	11.48	9.49	0.02		0.82	0.82		0.82	0.82	0.00	1,479.25		0.15		1,482.32

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.08	0.87	0.62	0.00	0.05	0.03	0.08	0.00	0.03	0.03		165.55		0.00		165.63
Worker	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
Total	0.08	0.87	0.62	0.00	0.05	0.03	0.08	0.00	0.03	0.03		165.55		0.00		165.63

3.3 Finishing Homes - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.40	3.12	3.06	0.01		0.19	0.19		0.19	0.19		484.55		0.04		485.31
Total	0.40	3.12	3.06	0.01		0.19	0.19		0.19	0.19		484.55		0.04		485.31

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.03	0.29	0.21	0.00	0.02	0.01	0.03	0.00	0.01	0.01		55.18		0.00		55.21
Worker	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
Total	0.03	0.29	0.21	0.00	0.02	0.01	0.03	0.00	0.01	0.01		55.18		0.00		55.21

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.40	3.12	3.06	0.01		0.19	0.19		0.19	0.19	0.00	484.55		0.04		485.31
Total	0.40	3.12	3.06	0.01		0.19	0.19		0.19	0.19	0.00	484.55		0.04		485.31

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.03	0.29	0.21	0.00	0.02	0.01	0.03	0.00	0.01	0.01		55.18		0.00		55.21
Worker	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
Total	0.03	0.29	0.21	0.00	0.02	0.01	0.03	0.00	0.01	0.01		55.18		0.00		55.21

3.3 Finishing Homes - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.36	2.84	3.04	0.01		0.15	0.15		0.15	0.15		484.55		0.03		485.23
Total	0.36	2.84	3.04	0.01		0.15	0.15		0.15	0.15		484.55		0.03		485.23

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.03	0.27	0.19	0.00	0.02	0.01	0.03	0.00	0.01	0.01		55.29		0.00		55.32
Worker	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
Total	0.03	0.27	0.19	0.00	0.02	0.01	0.03	0.00	0.01	0.01		55.29		0.00		55.32

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.36	2.84	3.04	0.01		0.15	0.15		0.15	0.15	0.00	484.55		0.03		485.23
Total	0.36	2.84	3.04	0.01		0.15	0.15		0.15	0.15	0.00	484.55		0.03		485.23

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.03	0.27	0.19	0.00	0.02	0.01	0.03	0.00	0.01	0.01		55.29		0.00		55.32
Worker	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
Total	0.03	0.27	0.19	0.00	0.02	0.01	0.03	0.00	0.01	0.01		55.29		0.00		55.32

3.3 Finishing Homes - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.34	2.60	3.03	0.01		0.13	0.13		0.13	0.13		484.55		0.03		485.18
Total	0.34	2.60	3.03	0.01		0.13	0.13		0.13	0.13		484.55		0.03		485.18

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.02	0.25	0.18	0.00	0.02	0.01	0.03	0.00	0.01	0.01		55.39		0.00		55.42
Worker	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
Total	0.02	0.25	0.18	0.00	0.02	0.01	0.03	0.00	0.01	0.01		55.39		0.00		55.42

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.34	2.60	3.03	0.01		0.13	0.13		0.13	0.13	0.00	484.55		0.03		485.18
Total	0.34	2.60	3.03	0.01		0.13	0.13		0.13	0.13	0.00	484.55		0.03		485.18

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.02	0.25	0.18	0.00	0.02	0.01	0.03	0.00	0.01	0.01		55.39		0.00		55.42
Worker	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
Total	0.02	0.25	0.18	0.00	0.02	0.01	0.03	0.00	0.01	0.01		55.39		0.00		55.42

3.4 Architectural Coating - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.87					0.00	0.00		0.00	0.00						0.00
Off-Road	0.37	2.37	1.88	0.00		0.20	0.20		0.20	0.20		281.19		0.03		281.89
Total	1.24	2.37	1.88	0.00		0.20	0.20		0.20	0.20		281.19		0.03		281.89

Unmitigated Construction Off-Site

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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.87					0.00	0.00		0.00	0.00						0.00
Off-Road	0.37	2.37	1.88	0.00		0.20	0.20		0.20	0.20	0.00	281.19		0.03		281.89
Total	1.24	2.37	1.88	0.00		0.20	0.20		0.20	0.20	0.00	281.19		0.03		281.89

Mitigated Construction Off-Site

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

3.4 Architectural Coating - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.87					0.00	0.00		0.00	0.00						0.00
Off-Road	0.33	2.18	1.87	0.00		0.17	0.17		0.17	0.17		281.19		0.03		281.81
Total	1.20	2.18	1.87	0.00		0.17	0.17		0.17	0.17		281.19		0.03		281.81

Unmitigated Construction Off-Site

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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.87					0.00	0.00		0.00	0.00						0.00
Off-Road	0.33	2.18	1.87	0.00		0.17	0.17		0.17	0.17	0.00	281.19		0.03		281.81
Total	1.20	2.18	1.87	0.00		0.17	0.17		0.17	0.17	0.00	281.19		0.03		281.81

Mitigated Construction Off-Site

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

Construction_Lot 5
Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Single Family Housing	1	Dwelling Unit

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)		Utility Company	Southern California Edison
Climate Zone	8		2.2		
		Precipitation Freq (Days)			

1.3 User Entered Comments

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- Project Characteristics -
- Land Use - Based on project description
- Construction Phase - Based on information provided by applicant.
- Off-road Equipment - Based on information provided by applicant.
- Construction Off-road Equipment Mitigation -
- Grading -
- Demolition -
- Trips and VMT - Based on information provided by applicant.
- Off-road Equipment - Based on information provided by applicant.
- Off-road Equipment - Based on information provided by applicant.
- Off-road Equipment -

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					
2015	1.71	12.32	10.03	0.02	0.06	0.85	0.90	0.00	0.85	0.85	0.00	1,646.04	0.00	0.15	0.00	1,649.20
2016	1.63	5.47	5.09	0.01	0.02	0.36	0.38	0.00	0.36	0.36	0.00	821.45	0.00	0.07	0.00	822.86
2017	1.56	5.02	5.05	0.01	0.02	0.31	0.33	0.00	0.31	0.31	0.00	821.57	0.00	0.06	0.00	822.85
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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					
2015	1.71	12.32	10.03	0.02	0.05	0.85	0.90	0.00	0.85	0.85	0.00	1,646.04	0.00	0.15	0.00	1,649.20
2016	1.63	5.47	5.09	0.01	0.02	0.36	0.38	0.00	0.36	0.36	0.00	821.45	0.00	0.07	0.00	822.86
2017	1.56	5.02	5.05	0.01	0.02	0.31	0.33	0.00	0.31	0.31	0.00	821.57	0.00	0.06	0.00	822.85
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

3.0 Construction Detail

3.1 Mitigation Measures Construction

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

3.2 Building Lots - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.63	11.48	9.49	0.02		0.82	0.82		0.82	0.82		1,479.25		0.15		1,482.32
Total	1.63	11.48	9.49	0.02		0.82	0.82		0.82	0.82		1,479.25		0.15		1,482.32

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.08	0.84	0.54	0.00	0.06	0.03	0.09	0.00	0.03	0.03		166.79		0.00		166.88
Worker	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
Total	0.08	0.84	0.54	0.00	0.06	0.03	0.09	0.00	0.03	0.03		166.79		0.00		166.88

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.63	11.48	9.49	0.02		0.82	0.82		0.82	0.82	0.00	1,479.25		0.15		1,482.32
Total	1.63	11.48	9.49	0.02		0.82	0.82		0.82	0.82	0.00	1,479.25		0.15		1,482.32

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.08	0.84	0.54	0.00	0.05	0.03	0.08	0.00	0.03	0.03		166.79		0.00		166.88
Worker	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
Total	0.08	0.84	0.54	0.00	0.05	0.03	0.08	0.00	0.03	0.03		166.79		0.00		166.88

3.3 Finishing Homes - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.40	3.12	3.06	0.01		0.19	0.19		0.19	0.19		484.55		0.04		485.31
Total	0.40	3.12	3.06	0.01		0.19	0.19		0.19	0.19		484.55		0.04		485.31

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.03	0.28	0.18	0.00	0.02	0.01	0.03	0.00	0.01	0.01		55.60		0.00		55.63
Worker	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
Total	0.03	0.28	0.18	0.00	0.02	0.01	0.03	0.00	0.01	0.01		55.60		0.00		55.63

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.40	3.12	3.06	0.01		0.19	0.19		0.19	0.19	0.00	484.55		0.04		485.31
Total	0.40	3.12	3.06	0.01		0.19	0.19		0.19	0.19	0.00	484.55		0.04		485.31

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.03	0.28	0.18	0.00	0.02	0.01	0.03	0.00	0.01	0.01		55.60		0.00		55.63
Worker	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
Total	0.03	0.28	0.18	0.00	0.02	0.01	0.03	0.00	0.01	0.01		55.60		0.00		55.63

3.3 Finishing Homes - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.36	2.84	3.04	0.01		0.15	0.15		0.15	0.15		484.55		0.03		485.23
Total	0.36	2.84	3.04	0.01		0.15	0.15		0.15	0.15		484.55		0.03		485.23

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.02	0.26	0.17	0.00	0.02	0.01	0.03	0.00	0.01	0.01		55.72		0.00		55.74
Worker	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
Total	0.02	0.26	0.17	0.00	0.02	0.01	0.03	0.00	0.01	0.01		55.72		0.00		55.74

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.36	2.84	3.04	0.01		0.15	0.15		0.15	0.15	0.00	484.55		0.03		485.23
Total	0.36	2.84	3.04	0.01		0.15	0.15		0.15	0.15	0.00	484.55		0.03		485.23

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.02	0.26	0.17	0.00	0.02	0.01	0.03	0.00	0.01	0.01		55.72		0.00		55.74
Worker	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
Total	0.02	0.26	0.17	0.00	0.02	0.01	0.03	0.00	0.01	0.01		55.72		0.00		55.74

3.3 Finishing Homes - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.34	2.60	3.03	0.01		0.13	0.13		0.13	0.13		484.55		0.03		485.18
Total	0.34	2.60	3.03	0.01		0.13	0.13		0.13	0.13		484.55		0.03		485.18

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.02	0.24	0.15	0.00	0.02	0.01	0.03	0.00	0.01	0.01		55.83		0.00		55.85
Worker	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
Total	0.02	0.24	0.15	0.00	0.02	0.01	0.03	0.00	0.01	0.01		55.83		0.00		55.85

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.34	2.60	3.03	0.01		0.13	0.13		0.13	0.13	0.00	484.55		0.03		485.18
Total	0.34	2.60	3.03	0.01		0.13	0.13		0.13	0.13	0.00	484.55		0.03		485.18

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.02	0.24	0.15	0.00	0.02	0.01	0.03	0.00	0.01	0.01		55.83		0.00		55.85
Worker	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
Total	0.02	0.24	0.15	0.00	0.02	0.01	0.03	0.00	0.01	0.01		55.83		0.00		55.85

3.4 Architectural Coating - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.87					0.00	0.00		0.00	0.00						0.00
Off-Road	0.37	2.37	1.88	0.00		0.20	0.20		0.20	0.20		281.19		0.03		281.89
Total	1.24	2.37	1.88	0.00		0.20	0.20		0.20	0.20		281.19		0.03		281.89

Unmitigated Construction Off-Site

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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.87					0.00	0.00		0.00	0.00						0.00
Off-Road	0.37	2.37	1.88	0.00		0.20	0.20		0.20	0.20	0.00	281.19		0.03		281.89
Total	1.24	2.37	1.88	0.00		0.20	0.20		0.20	0.20	0.00	281.19		0.03		281.89

Mitigated Construction Off-Site

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

3.4 Architectural Coating - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.87					0.00	0.00		0.00	0.00						0.00
Off-Road	0.33	2.18	1.87	0.00		0.17	0.17		0.17	0.17		281.19		0.03		281.81
Total	1.20	2.18	1.87	0.00		0.17	0.17		0.17	0.17		281.19		0.03		281.81

Unmitigated Construction Off-Site

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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.87					0.00	0.00		0.00	0.00						0.00
Off-Road	0.33	2.18	1.87	0.00		0.17	0.17		0.17	0.17	0.00	281.19		0.03		281.81
Total	1.20	2.18	1.87	0.00		0.17	0.17		0.17	0.17	0.00	281.19		0.03		281.81

Mitigated Construction Off-Site

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

Construction_Lot 5
Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Single Family Housing	1	Dwelling Unit

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)		Utility Company	Southern California Edison
Climate Zone	8		2.2		
		Precipitation Freq (Days)			

1.3 User Entered Comments

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- Project Characteristics -
- Land Use - Based on project description
- Construction Phase - Based on information provided by applicant.
- Off-road Equipment - Based on information provided by applicant.
- Construction Off-road Equipment Mitigation -
- Grading -
- Demolition -
- Trips and VMT - Based on information provided by applicant.
- Off-road Equipment - Based on information provided by applicant.
- Off-road Equipment - Based on information provided by applicant.
- Off-road Equipment -

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2015	0.11	0.77	0.63	0.00	0.00	0.05	0.06	0.00	0.05	0.05	0.00	93.46	93.46	0.01	0.00	93.64
2016	0.10	0.49	0.49	0.00	0.00	0.03	0.03	0.00	0.03	0.03	0.00	73.61	73.61	0.01	0.00	73.72
2017	0.02	0.06	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.57	8.57	0.00	0.00	8.58
Total	0.23	1.32	1.18	0.00	0.00	0.08	0.09	0.00	0.08	0.08	0.00	175.64	175.64	0.02	0.00	175.94

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2015	0.11	0.77	0.63	0.00	0.00	0.05	0.06	0.00	0.05	0.05	0.00	93.46	93.46	0.01	0.00	93.64
2016	0.10	0.49	0.49	0.00	0.00	0.03	0.03	0.00	0.03	0.03	0.00	73.61	73.61	0.01	0.00	73.72
2017	0.02	0.06	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.57	8.57	0.00	0.00	8.58
Total	0.23	1.32	1.18	0.00	0.00	0.08	0.09	0.00	0.08	0.08	0.00	175.64	175.64	0.02	0.00	175.94

3.0 Construction Detail

3.1 Mitigation Measures Construction

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

3.2 Building Lots - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.10	0.69	0.57	0.00		0.05	0.05		0.05	0.05	0.00	80.50	80.50	0.01	0.00	80.66
Total	0.10	0.69	0.57	0.00		0.05	0.05		0.05	0.05	0.00	80.50	80.50	0.01	0.00	80.66

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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
Vendor	0.00	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.05	9.05	0.00	0.00	9.06
Worker	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
Total	0.00	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.05	9.05	0.00	0.00	9.06

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.10	0.69	0.57	0.00		0.05	0.05		0.05	0.05	0.00	80.50	80.50	0.01	0.00	80.66
Total	0.10	0.69	0.57	0.00		0.05	0.05		0.05	0.05	0.00	80.50	80.50	0.01	0.00	80.66

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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
Vendor	0.00	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.05	9.05	0.00	0.00	9.06
Worker	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
Total	0.00	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.05	9.05	0.00	0.00	9.06

3.3 Finishing Homes - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.00	0.02	0.02	0.00		0.00	0.00		0.00	0.00	0.00	3.52	3.52	0.00	0.00	3.52
Total	0.00	0.02	0.02	0.00		0.00	0.00		0.00	0.00	0.00	3.52	3.52	0.00	0.00	3.52

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40	0.40	0.00	0.00	0.40
Worker	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
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40	0.40	0.00	0.00	0.40

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.00	0.02	0.02	0.00		0.00	0.00		0.00	0.00	0.00	3.52	3.52	0.00	0.00	3.52
Total	0.00	0.02	0.02	0.00		0.00	0.00		0.00	0.00	0.00	3.52	3.52	0.00	0.00	3.52

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40	0.40	0.00	0.00	0.40
Worker	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
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40	0.40	0.00	0.00	0.40

3.3 Finishing Homes - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.05	0.37	0.40	0.00		0.02	0.02		0.02	0.02	0.00	57.35	57.35	0.00	0.00	57.43
Total	0.05	0.37	0.40	0.00		0.02	0.02		0.02	0.02	0.00	57.35	57.35	0.00	0.00	57.43

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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
Vendor	0.00	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.58	6.58	0.00	0.00	6.58
Worker	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
Total	0.00	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.58	6.58	0.00	0.00	6.58

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.05	0.37	0.40	0.00		0.02	0.02		0.02	0.02	0.00	57.35	57.35	0.00	0.00	57.43
Total	0.05	0.37	0.40	0.00		0.02	0.02		0.02	0.02	0.00	57.35	57.35	0.00	0.00	57.43

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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
Vendor	0.00	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.58	6.58	0.00	0.00	6.58
Worker	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
Total	0.00	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.58	6.58	0.00	0.00	6.58

3.3 Finishing Homes - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.00	0.03	0.03	0.00		0.00	0.00		0.00	0.00	0.00	5.05	5.05	0.00	0.00	5.06
Total	0.00	0.03	0.03	0.00		0.00	0.00		0.00	0.00	0.00	5.05	5.05	0.00	0.00	5.06

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	0.00	0.00	0.58
Worker	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
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	0.00	0.00	0.58

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.00	0.03	0.03	0.00		0.00	0.00		0.00	0.00	0.00	5.05	5.05	0.00	0.00	5.06
Total	0.00	0.03	0.03	0.00		0.00	0.00		0.00	0.00	0.00	5.05	5.05	0.00	0.00	5.06

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	0.00	0.00	0.58
Worker	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
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	0.00	0.00	0.58

3.4 Architectural Coating - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.03					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.01	0.09	0.07	0.00		0.01	0.01		0.01	0.01	0.00	9.69	9.69	0.00	0.00	9.71
Total	0.04	0.09	0.07	0.00		0.01	0.01		0.01	0.01	0.00	9.69	9.69	0.00	0.00	9.71

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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
Vendor	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
Worker	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
Total	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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.03					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.01	0.09	0.07	0.00		0.01	0.01		0.01	0.01	0.00	9.69	9.69	0.00	0.00	9.71
Total	0.04	0.09	0.07	0.00		0.01	0.01		0.01	0.01	0.00	9.69	9.69	0.00	0.00	9.71

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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
Vendor	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
Worker	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
Total	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

3.4 Architectural Coating - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.01					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.00	0.03	0.02	0.00		0.00	0.00		0.00	0.00	0.00	2.93	2.93	0.00	0.00	2.94
Total	0.01	0.03	0.02	0.00		0.00	0.00		0.00	0.00	0.00	2.93	2.93	0.00	0.00	2.94

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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
Vendor	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
Worker	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
Total	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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.01					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.00	0.03	0.02	0.00		0.00	0.00		0.00	0.00	0.00	2.93	2.93	0.00	0.00	2.94
Total	0.01	0.03	0.02	0.00		0.00	0.00		0.00	0.00	0.00	2.93	2.93	0.00	0.00	2.94

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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
Vendor	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
Worker	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
Total	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

Construction_WaterMain
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Other Asphalt Surfaces	3.33	Acre
Single Family Housing	5	Dwelling Unit
City Park	1.74	Acre

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Utility Company	Southern California Edison
Climate Zone	8	Precipitation Freq (Days)	33		

1.3 User Entered Comments

- Project Characteristics -
- Land Use - Based on project description
- Construction Phase - Based on information provided by applicant.
- Off-road Equipment - Based on information provided by applicant.
- Construction Off-road Equipment Mitigation -
- Grading -
- Demolition -
- Trips and VMT - Based on information provided by applicant.
- Off-road Equipment - Based on information provided by applicant.
- Off-road Equipment - Placeholder for this activity.

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					
2014	2.16	15.38	11.41	0.03	0.28	0.86	1.14	0.01	0.86	0.87	0.00	2,397.10	0.00	0.19	0.00	2,401.10
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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					
2014	2.16	15.38	11.41	0.03	0.25	0.86	1.12	0.01	0.86	0.87	0.00	2,397.10	0.00	0.19	0.00	2,401.10
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

3.0 Construction Detail

3.1 Mitigation Measures Construction

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

3.2 Water Main Installation - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.00	0.00	0.00	0.00	0.00	0.00						0.00
Off-Road	1.99	14.64	9.84	0.02		0.84	0.84		0.84	0.84		2,165.90		0.18		2,169.63
Total	1.99	14.64	9.84	0.02	0.00	0.84	0.84	0.00	0.84	0.84		2,165.90		0.18		2,169.63

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.03	0.32	0.23	0.00	0.02	0.01	0.03	0.00	0.01	0.01		55.06		0.00		55.09
Worker	0.09	0.09	0.88	0.00	0.20	0.01	0.21	0.01	0.01	0.01		152.24		0.01		152.43
Total	0.12	0.41	1.11	0.00	0.22	0.02	0.24	0.01	0.02	0.02		207.30		0.01		207.52

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.00	0.00	0.00	0.00	0.00	0.00						0.00
Off-Road	1.99	14.64	9.84	0.02		0.84	0.84		0.84	0.84	0.00	2,165.90		0.18		2,169.63
Total	1.99	14.64	9.84	0.02	0.00	0.84	0.84	0.00	0.84	0.84	0.00	2,165.90		0.18		2,169.63

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.03	0.32	0.23	0.00	0.02	0.01	0.03	0.00	0.01	0.01			55.06	0.00		55.09
Worker	0.09	0.09	0.88	0.00	0.18	0.01	0.19	0.01	0.01	0.01			152.24	0.01		152.43
Total	0.12	0.41	1.11	0.00	0.20	0.02	0.22	0.01	0.02	0.02			207.30	0.01		207.52

3.3 Water Main Haul - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.00	0.00	0.00	0.00	0.00	0.00						0.00
Off-Road	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00			0.00	0.00		0.00
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.05	0.34	0.46	0.00	0.06	0.01	0.06	0.00	0.01	0.01			23.90	0.00		23.95
Vendor	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
Worker	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
Total	0.05	0.34	0.46	0.00	0.06	0.01	0.06	0.00	0.01	0.01			23.90	0.00		23.95

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.00	0.00	0.00	0.00	0.00	0.00						0.00
Off-Road	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00		0.00		0.00
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.05	0.34	0.46	0.00	0.05	0.01	0.06	0.00	0.01	0.01			23.90	0.00		23.95
Vendor	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
Worker	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
Total	0.05	0.34	0.46	0.00	0.05	0.01	0.06	0.00	0.01	0.01			23.90	0.00		23.95

Construction_WaterMain
Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Other Asphalt Surfaces	3.33	Acre
Single Family Housing	5	Dwelling Unit
City Park	1.74	Acre

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Utility Company	Southern California Edison
Climate Zone	8	Precipitation Freq (Days)	33		

1.3 User Entered Comments

- Project Characteristics -
- Land Use - Based on project description
- Construction Phase - Based on information provided by applicant.
- Off-road Equipment - Based on information provided by applicant.
- Construction Off-road Equipment Mitigation -
- Grading -
- Demolition -
- Trips and VMT - Based on information provided by applicant.
- Off-road Equipment - Based on information provided by applicant.
- Off-road Equipment - Placeholder for this activity.

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					
2014	2.15	15.37	11.31	0.03	0.28	0.86	1.14	0.01	0.86	0.87	0.00	2,411.61	0.00	0.19	0.00	2,415.61
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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					
2014	2.15	15.37	11.31	0.03	0.25	0.86	1.12	0.01	0.86	0.87	0.00	2,411.61	0.00	0.19	0.00	2,415.61
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

3.0 Construction Detail

3.1 Mitigation Measures Construction

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

3.2 Water Main Installation - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.00	0.00	0.00	0.00	0.00	0.00						0.00
Off-Road	1.99	14.64	9.84	0.02		0.84	0.84		0.84	0.84		2,165.90		0.18		2,169.63
Total	1.99	14.64	9.84	0.02	0.00	0.84	0.84	0.00	0.84	0.84		2,165.90		0.18		2,169.63

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.03	0.31	0.20	0.00	0.02	0.01	0.03	0.00	0.01	0.01		55.46		0.00		55.49
Worker	0.08	0.08	0.93	0.00	0.20	0.01	0.21	0.01	0.01	0.01		164.33		0.01		164.53
Total	0.11	0.39	1.13	0.00	0.22	0.02	0.24	0.01	0.02	0.02		219.79		0.01		220.02

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.00	0.00	0.00	0.00	0.00	0.00						0.00
Off-Road	1.99	14.64	9.84	0.02		0.84	0.84		0.84	0.84	0.00	2,165.90		0.18		2,169.63
Total	1.99	14.64	9.84	0.02	0.00	0.84	0.84	0.00	0.84	0.84	0.00	2,165.90		0.18		2,169.63

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.03	0.31	0.20	0.00	0.02	0.01	0.03	0.00	0.01	0.01			55.46	0.00		55.49
Worker	0.08	0.08	0.93	0.00	0.18	0.01	0.19	0.01	0.01	0.01			164.33	0.01		164.53
Total	0.11	0.39	1.13	0.00	0.20	0.02	0.22	0.01	0.02	0.02			219.79	0.01		220.02

3.3 Water Main Haul - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.00	0.00	0.00	0.00	0.00	0.00						0.00
Off-Road	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00			0.00	0.00		0.00
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.04	0.35	0.34	0.00	0.06	0.00	0.06	0.00	0.00	0.01			25.91	0.00		25.96
Vendor	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
Worker	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
Total	0.04	0.35	0.34	0.00	0.06	0.00	0.06	0.00	0.00	0.01			25.91	0.00		25.96

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.00	0.00	0.00	0.00	0.00	0.00						0.00
Off-Road	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00		0.00		0.00
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.04	0.35	0.34	0.00	0.05	0.00	0.06	0.00	0.00	0.01			25.91	0.00		25.96
Vendor	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
Worker	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
Total	0.04	0.35	0.34	0.00	0.05	0.00	0.06	0.00	0.00	0.01			25.91	0.00		25.96

**Construction_WaterMain
Los Angeles-South Coast County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Other Asphalt Surfaces	3.33	Acre
Single Family Housing	5	Dwelling Unit
City Park	1.74	Acre

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)		Utility Company	Southern California Edison
Climate Zone	8		2.2		
		Precipitation Freq (Days)			
			33		

1.3 User Entered Comments

- Project Characteristics -
- Land Use - Based on project description
- Construction Phase - Based on information provided by applicant.
- Off-road Equipment - Based on information provided by applicant.
- Construction Off-road Equipment Mitigation -
- Grading -
- Demolition -
- Trips and VMT - Based on information provided by applicant.
- Vehicle Trips - Based on traffic study.
- Off-road Equipment - Based on information provided by applicant.
- Off-road Equipment - Placeholder for this activity.

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2014	0.05	0.33	0.25	0.00	0.00	0.02	0.02	0.00	0.02	0.02	0.00	47.66	47.66	0.00	0.00	47.74
Total	0.05	0.33	0.25	0.00	0.00	0.02	0.02	0.00	0.02	0.02	0.00	47.66	47.66	0.00	0.00	47.74

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2014	0.05	0.33	0.25	0.00	0.00	0.02	0.02	0.00	0.02	0.02	0.00	47.66	47.66	0.00	0.00	47.74
Total	0.05	0.33	0.25	0.00	0.00	0.02	0.02	0.00	0.02	0.02	0.00	47.66	47.66	0.00	0.00	47.74

3.0 Construction Detail

3.1 Mitigation Measures Construction

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

3.2 Water Main Installation - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.04	0.32	0.22	0.00		0.02	0.02		0.02	0.02	0.00	43.22	43.22	0.00	0.00	43.29
Total	0.04	0.32	0.22	0.00	0.00	0.02	0.02	0.00	0.02	0.02	0.00	43.22	43.22	0.00	0.00	43.29

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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
Vendor	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.10	1.10	0.00	0.00	1.10
Worker	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.11	3.11	0.00	0.00	3.11
Total	0.00	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.21	4.21	0.00	0.00	4.21

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.04	0.32	0.22	0.00		0.02	0.02		0.02	0.02	0.00	43.22	43.22	0.00	0.00	43.29
Total	0.04	0.32	0.22	0.00	0.00	0.02	0.02	0.00	0.02	0.02	0.00	43.22	43.22	0.00	0.00	43.29

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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
Vendor	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.10	1.10	0.00	0.00	1.10
Worker	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.11	3.11	0.00	0.00	3.11
Total	0.00	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.21	4.21	0.00	0.00	4.21

3.3 Water Main Haul - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.23	0.00	0.00	0.23
Vendor	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
Worker	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
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.23	0.00	0.00	0.23

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.23	0.00	0.00	0.23
Vendor	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
Worker	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
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.23	0.00	0.00	0.23

Regional Construction Emissions Worksheet - Mitigated

Grading (Site)											
	2014	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		2.75	17.64	18.31	0.03	5.79	1.14	6.93	3.18	1.14	4.32
Offsite											
	Hauling	0	0	0	0	0	0	0	0	0	0
	Vendor	0.06	0.64	0.45	0	0.03	0.02	0.06	0	0.02	0.03
	Worker	0.09	0.09	0.88	0	0.18	0.01	0.19	0.01	0.01	0.01
	Total	0.15	0.73	1.33	0	0.21	0.03	0.25	0.01	0.03	0.04
TOTAL	2014	2.90	18.37	19.64	0.03	6.00	1.17	7.18	3.19	1.17	4.36

Grading Haul 1 (Site)											
	2014	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		0	0	0	0	0.03	0	0.03	0	0	0
Offsite											
	Hauling	5.71	57.35	32.08	0.09	2.45	2.47	4.92	0.32	2.47	2.8
	Vendor	0	0	0	0	0	0	0	0	0	0
	Worker	0	0	0	0	0	0	0	0	0	0
	Total	5.71	57.35	32.08	0.09	2.45	2.47	4.92	0.32	2.47	2.8
TOTAL	2014	5.71	57.35	32.08	0.09	2.48	2.47	4.95	0.32	2.47	2.80
Grading+Grading Haul 1		8.61	75.72	51.72	0.12	8.48	3.64	12.13	3.51	3.64	7.16

Grading Haul 2 (Site)											
	2014	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		0	0	0	0	0.02	0	0.02	0	0	0
Offsite											
	Hauling	4.78	48	26.85	0.08	2.19	2.07	4.26	0.27	2.07	2.34
	Vendor	0	0	0	0	0	0	0	0	0	0
	Worker	0	0	0	0	0	0	0	0	0	0
	Total	4.78	48	26.85	0.08	2.19	2.07	4.26	0.27	2.07	2.34
TOTAL	2014	4.78	48.00	26.85	0.08	2.21	2.07	4.28	0.27	2.07	2.34
Grading + Grading Haul 2		7.68	66.37	46.49	0.11	8.21	3.24	11.46	3.46	3.24	6.70

District 29 Water Main Installation											
	2014	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		1.99	14.64	9.84	0.02	0	0.84	0.84	0	0.84	0.84
Offsite											
	Hauling	0	0	0	0	0	0	0	0	0	0
	Vendor	0.03	0.32	0.23	0	0.02	0.01	0.03	0	0.01	0.01
	Worker	0.09	0.09	0.88	0	0.18	0.01	0.19	0.01	0.01	0.01
	Total	0.12	0.41	1.11	0	0.2	0.02	0.22	0.01	0.02	0.02
TOTAL	2014	2.11	15.05	10.95	0.02	0.20	0.86	1.06	0.01	0.86	0.86

District 29 Water Main Soil Haul											
	2014	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		0	0	0	0	0	0	0	0	0	0
Offsite											
	Hauling	0.05	0.34	0.46	0	0.003	0.01	0.013	0	0.01	0.01
	Vendor	0	0	0	0	0	0	0	0	0	0
	Worker	0	0	0	0	0	0	0	0	0	0
	Total	0.05	0.34	0.46	0	0.003	0.01	0.013	0	0.01	0.01
TOTAL	2014	0.05	0.34	0.46	0.00	0.00	0.01	0.01	0.00	0.01	0.01
Grading+Grading Haul 1+Water Main+WaterMainHaul		10.77	91.11	63.13	0.14	8.69	4.51	13.21	3.52	4.51	8.03
Grading+Grading Haul 2+Water Main		9.79	81.42	57.44	0.13	8.41	4.10	12.52	3.47	4.10	7.56

Paving (Homepads)											
	2014	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		1.62	6.88	5.33	0.01		0.55	0.55		0.55	0.55
Offsite											
	Hauling	0	0	0	0	0	0	0	0	0	0
	Vendor	0	0	0	0	0	0	0	0	0	0
	Worker	0.05	0.06	0.54	0	0.11	0	0.12	0	0	0.01
	Total	0.05	0.06	0.54	0	0.11	0	0.12	0	0	0.01
TOTAL	2014	1.67	6.94	5.87	0.01	0.11	0.55	0.67	0.00	0.55	0.56
Paving+Trenching (Water Main)		3.78	21.99	16.82	0.03	0.31	1.41	1.73	0.01	1.41	1.42

Trenching (Road Hogging)											
	2014	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		0.67	4.48	3.69	0.01		0.35	0.35		0.35	0.35
Offsite		0.07	0.07	0.68	0	0.27	0.01	0.28	0.01	0.01	0.01
TOTAL	2014	0.74	4.55	4.37	0.01	0.27	0.36	0.63	0.01	0.36	0.36

Paving (Roadbase)											
	2014	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		4.07	23.02	12.65	0.02		1.04	1.04		1.04	1.04
Offsite											
	Hauling	0	0	0	0	0	0	0	0	0	0
	Vendor	0.53	5.46	3.83	0.01	0.29	0.19	0.48	0.02	0.19	0.21
	Worker	0.05	0.06	0.54	0	0.11	0	0.12	0	0	0.01
	Total	0.58	5.52	4.37	0.01	0.4	0.19	0.6	0.02	0.19	0.22
TOTAL	2014	4.65	28.54	17.02	0.03	0.40	1.23	1.64	0.02	1.23	1.26
Grading+Soil Haul		6.32	35.48	22.89	0.04	0.51	1.78	2.31	0.02	1.78	1.82

Grading (Road)											
	2014	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		0.79	5.77	4.01	0.01	0.17	0.35	0.52	0	0.35	0.35
Offsite											
	Hauling	0	0	0	0	0	0	0	0	0	0
	Vendor	0.06	0.64	0.45	0	0.03	0.02	0.06	0	0.02	0.03
	Worker	0.03	0.04	0.34	0	0.07	0	0.07	0	0	0.01
	Total	0.09	0.68	0.79	0	0.1	0.02	0.13	0	0.02	0.04
TOTAL	2014	0.88	6.45	4.80	0.01	0.27	0.37	0.65	0.00	0.37	0.39

Paving (Road)											
	2014	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		1.74	10.07	7.19	0.01		0.65	0.65		0.65	0.65
Offsite											
	Hauling	0	0	0	0	0	0	0	0	0	0
	Vendor	0.06	0.64	0.45	0	0.03	0.02	0.06	0	0.02	0.03
	Worker	0.07	0.07	0.68	0	0.14	0.01	0.15	0.01	0.01	0.01
	Total	0.13	0.71	1.13	0	0.17	0.03	0.21	0.01	0.03	0.04
TOTAL	2014	1.87	10.78	8.32	0.01	0.17	0.68	0.86	0.01	0.68	0.69

Trenching (Site)											
	2014	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		0.1	0.11	1.02	0	0.23	0.01	0.24	0.01	0.01	0.02
Offsite		1.52	10.57	8.6	0.01		0.72	0.72		0.72	0.72
TOTAL	2014	1.62	10.68	9.62	0.01	0.23	0.73	0.96	0.01	0.73	0.74

Backfill/Fine Grading											
	2014	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		1.94	13.07	10.33	0.02	0	0.8	0.8	0	0.8	0.8
Offsite											
	Hauling	0	0	0	0	0	0	0	0	0	0
	Vendor	0.62	6.42	4.51	0.01	0.34	0.22	0.57	0.03	0.22	0.25
	Worker	0.41	0.42	4.07	0.01	0.84	0.03	0.87	0.03	0.03	0.07
	Total	1.03	6.84	8.58	0.02	1.18	0.25	1.44	0.06	0.25	0.32
TOTAL	2014	2.97	19.91	18.91	0.04	1.18	1.05	2.24	0.06	1.05	1.12

Pilings											
	2014	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		0.77	6.38	3.21	0.01		0.28	0.28		0.28	0.28
Offsite		0.05	0.06	0.54	0	0.11	0	0.12	0	0	0.01
TOTAL	2014	0.82	6.44	3.75	0.01	0.11	0.28	0.40	0.00	0.28	0.29

Skate Park											
	2014	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		0.88	6.6	3.72	0.01		0.37	0.37		0.37	0.37
Offsite		0.2	0.78	1.81	0	0.31	0.03	0.35	0.01	0.03	0.05
TOTAL	2014	1.08	7.38	5.53	0.01	0.31	0.40	0.72	0.01	0.40	0.42

	2015	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		0.82	6.03	3.68	0.01		0.33	0.33		0.33	0.33
Offsite		0.19	0.71	1.66	0	0.31	0.03	0.34	0.01	0.03	0.04
TOTAL	2015	1.01	6.74	5.34	0.01	0.31	0.36	0.67	0.01	0.36	0.37

Demolition (Maintenance Shed)											
	2014	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		0.33	2.24	1.84	0	0.05	0.18	0.23	0	0.18	0.18
Offsite											
	Hauling	0.1	1.03	0.61	0	0.04	0.04	0.08	0.01	0.04	0.05
	Vendor	0	0	0	0	0	0	0	0	0	0
	Worker	0.02	0.02	0.2	0	0.04	0	0.04	0	0	0
	Total	0.12	1.05	0.81	0	0.08	0.04	0.12	0.01	0.04	0.05
TOTAL	2014	0.45	3.29	2.65	0.00	0.13	0.22	0.35	0.01	0.22	0.23

Demo + Skate Park(2014) **0.63** **4.09** **2.88** **0.01** **0.18** **0.18** **0.37** **0.00** **0.18** **0.19**

Building Lots 1&2											
	2014	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		2.58	18.09	13.42	0.02		1.35	1.35		1.35	1.35
Offsite		0.1	0.97	0.75	0	0.06	0.03	0.09	0	0.03	0.04
TOTAL	2014	2.68	19.06	14.17	0.02	0.06	1.38	1.44	0.00	1.38	1.39

	2015	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		2.35	16.7	13.32	0.02		1.2	1.2		1.2	1.2
Offsite		0.09	0.88	0.68	0	0.06	0.03	0.09	0	0.03	0.03
TOTAL	2015	2.44	17.58	14.00	0.02	0.06	1.23	1.29	0.00	1.23	1.23

Bldg Lots 1&2(2014)+Skate Park(2014) **3.76** **26.44** **19.70** **0.03** **0.37** **1.78** **2.16** **0.01** **1.78** **1.81**

Bldg Lots 1&2(2015)+Skate Park(2015) **3.45** **24.32** **19.34** **0.03** **0.37** **1.59** **1.96** **0.01** **1.59** **1.60**

Building Lots 3&4											
	2015	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		2.35	16.7	13.32	0.02		1.2	1.2		1.2	1.2
Offsite		0.09	0.88	0.68	0	0.06	0.03	0.09	0	0.03	0.03
TOTAL	2015	2.44	17.58	14.00	0.02	0.06	1.23	1.29	0.00	1.23	1.23

Bldg Lots 3&4+Bldg Lots 1&2 **4.88** **35.16** **28.00** **0.04** **0.12** **2.46** **2.58** **0.00** **2.46** **2.46**

Building Lot 5											
	2015	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		1.63	11.48	9.49	0.02		0.82	0.82		0.82	0.82
Offsite		0.08	0.87	0.62	0	0.05	0.03	0.08	0	0.03	0.03
TOTAL	2015	1.71	12.35	10.11	0.02	0.05	0.85	0.90	0.00	0.85	0.85

Bldg Lot 5+Bldg Lots 3&4 **4.15** **29.93** **24.11** **0.04** **0.11** **2.08** **2.19** **0.00** **2.08** **2.08**

Finishing Homes Lots 1&2											
	2015	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		0.63	4.65	4.41	0.01		0.3	0.3		0.3	0.3
Offsite		0.07	0.59	0.47	0	0.04	0.02	0.06	0	0.02	0.02
TOTAL	2015	0.70	5.24	4.88	0.01	0.04	0.32	0.36	0.00	0.32	0.32
FinishHomesL1&2+BldgLots3&4+BldgLot5											
		4.85	35.17	28.99	0.05	0.15	2.40	2.55	0.00	2.40	2.40
	2016	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		0.57	4.24	4.39	0.01		0.25	0.25		0.25	0.25
Offsite		0.06	0.55	0.44	0	0.04	0.02	0.06	0	0.02	0.02
TOTAL	2016	0.63	4.79	4.83	0.01	0.04	0.27	0.31	0.00	0.27	0.27
Finishing Homes Lots 3&4											
	2015	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		0.43	3.31	3.21	0.01		0.19	0.19		0.19	0.19
Offsite		0.07	0.59	0.47	0	0.04	0.02	0.06	0	0.02	0.02
TOTAL	2015	0.50	3.90	3.68	0.01	0.04	0.21	0.25	0.00	0.21	0.21
	2016	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		0.39	3.02	3.19	0.01		0.16	0.16		0.16	0.16
Offsite		0.06	0.55	0.44	0	0.04	0.02	0.06	0	0.02	0.02
TOTAL	2016	0.45	3.57	3.63	0.01	0.04	0.18	0.22	0.00	0.18	0.18
Finishing Homes Lot 5											
	2015	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		0.4	3.12	3.06	0.01		0.19	0.19		0.19	0.19
Offsite		0.03	0.29	0.21	0	0.02	0.01	0.03	0	0.01	0.01
TOTAL	2015	0.43	3.41	3.27	0.01	0.02	0.20	0.22	0.00	0.20	0.20
	2016	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		0.36	2.84	3.04	0.01		0.15	0.15		0.15	0.15
Offsite		0.03	0.27	0.19	0	0.02	0.01	0.03	0	0.01	0.01
TOTAL	2016	0.39	3.11	3.23	0.01	0.02	0.16	0.18	0.00	0.16	0.16
	2017	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		0.34	2.6	3.03	0.01		0.13	0.13		0.13	0.13
Offsite		0.02	0.25	0.18	0	0.02	0.01	0.03	0	0.01	0.01
TOTAL	2017	0.36	2.85	3.21	0.01	0.02	0.14	0.16	0.00	0.14	0.14
Architectural Coating (Lots 1&2)											
	2016	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		2.12	2.37	1.88	0		0.2	0.2		0.2	0.2
Offsite		0	0	0	0	0	0	0	0	0	0
TOTAL	2016	2.12	2.37	1.88	0.00	0.00	0.20	0.20	0.00	0.20	0.20
ArchCoat1&2+FinishHomes1&2+FinishHomes3&4											
		3.20	10.73	10.34	0.02	0.08	0.65	0.73	0.00	0.65	0.65
Architectural Coating (Lots 3&4)											
	2016	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		2.12	2.37	1.88	0		0.2	0.2		0.2	0.2
Offsite		0	0	0	0	0	0	0	0	0	0
TOTAL	2016	2.12	2.37	1.88	0.00	0.00	0.20	0.20	0.00	0.20	0.20
ArchCoat3&4+FinishHomes1&2+ArchCoat1&2+FinishHomes3&4											
		1.08	8.36	8.46	0.02	0.08	0.45	0.53	0.00	0.45	0.45
Architectural Coating (Lot 5)											
	2016	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		1.24	2.37	1.88	0		0.2	0.2		0.2	0.2
Offsite		0	0	0	0	0	0	0	0	0	0
TOTAL	2016	1.24	2.37	1.88	0.00	0.00	0.20	0.20	0.00	0.20	0.20
FinishHomes3&4+ArchCoat3&4+FinishHome5+ArchCoat5											
		4.20	11.42	10.62	0.02	0.06	0.74	0.80	0.00	0.74	0.74
	2017	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		1.2	2.18	1.87	0		0.17	0.17		0.17	0.17
Offsite		0	0	0	0	0	0	0	0	0	0
TOTAL	2017	1.20	2.18	1.87	0.00	0.00	0.17	0.17	0.00	0.17	0.17
FinishHome5+ArchCoat5											
		1.56	5.03	5.08	0.01	0.02	0.31	0.33	0.00	0.31	0.31
Finish Common Area											
	2017	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		0.32	2.26	2.69	0		0.12	0.12		0.12	0.12
Offsite		0.05	0.38	0.38	0	0.06	0.01	0.07	0	0.01	0.01
TOTAL	2017	0.37	2.64	3.07	0.00	0.06	0.13	0.19	0.00	0.13	0.13
Paving											
		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		0.62	2.3	2.57	0		0.15	0.15		0.15	0.15
Offsite											
	Hauling	0	0	0	0	0	0	0	0	0	0
	Vendor	0	0	0	0	0	0	0	0	0	0
	Worker	0.03	0.03	0.27	0	0.07	0	0.07	0	0	0.01
	Total	0.03	0.03	0.27	0	0.07	0	0.07	0	0	0.01
TOTAL	2015	0.65	2.33	2.84	0.00	0.07	0.15	0.22	0.00	0.15	0.16
MAX DAILY											
		10.77	91.11	63.13	0.14	8.69	4.51	13.21	3.52	4.51	8.03
Regional Thresholds											
		75	100	550	150			150			55
Exceeds Thresholds?											
		No	No	No	No			No			No

Maximum Daily Emission

Note: includes the correction for Haul (on-road) PM10 Fugitive dust for which CalEEMod incorrectly calculates emissions over the entire duration emitted on one day.

Construction_Main_Mit
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Other Asphalt Surfaces	3.33	Acre
City Park	1.74	Acre
Single Family Housing	5	Dwelling Unit

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)		Utility Company	Southern California Edison
Climate Zone	8		2.2		
		Precipitation Freq (Days)			

1.3 User Entered Comments

33

- Project Characteristics -
- Land Use - Based on project description
- Construction Phase - Based on information provided by applicant.
- Off-road Equipment - Based on information provided by applicant.
- Off-road Equipment - Based on information provided by applicant.
- Off-road Equipment - Placeholder for hauling activity.
- Off-road Equipment - Placeholder for hauling.
- Trips and VMT - Based on information provided by applicant.
- Demolition -
- Grading -
- Construction Off-road Equipment Mitigation -

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					
2014	10.27	93.73	53.30	0.13	167.47	4.15	171.61	7.79	4.15	11.94	0.00	13,630.88	0.00	0.68	0.00	13,645.23
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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					
2014	8.61	75.72	51.72	0.13	145.85	3.64	149.49	3.52	3.64	7.16	0.00	13,630.88	0.00	0.68	0.00	13,645.23
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

3.0 Construction Detail

3.1 Mitigation Measures Construction

- Use Cleaner Engines for Construction Equipment
- Use DPF for Construction Equipment
- Replace Ground Cover
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads
- Clean Paved Roads

3.2 Grading (Site) - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					13.55	0.00	13.55	7.45	0.00	7.45							0.00
Off-Road	4.40	35.65	19.89	0.03		1.64	1.64		1.64	1.64		3,771.13		0.39			3,779.41
Total	4.40	35.65	19.89	0.03	13.55	1.64	15.19	7.45	1.64	9.09		3,771.13		0.39			3,779.41

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	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
Vendor	0.06	0.64	0.45	0.00	0.04	0.02	0.06	0.00	0.02	0.03		110.12		0.00			110.18
Worker	0.09	0.09	0.88	0.00	0.20	0.01	0.21	0.01	0.01	0.01		152.24		0.01			152.43
Total	0.15	0.73	1.33	0.00	0.24	0.03	0.27	0.01	0.03	0.04		262.36		0.01			262.61

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					5.79	0.00	5.79	3.18	0.00	3.18							0.00
Off-Road	2.75	17.64	18.31	0.03		1.14	1.14		1.14	1.14	0.00	3,771.13		0.39			3,779.41
Total	2.75	17.64	18.31	0.03	5.79	1.14	6.93	3.18	1.14	4.32	0.00	3,771.13		0.39			3,779.41

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.06	0.64	0.45	0.00	0.03	0.02	0.06	0.00	0.02	0.03		110.12		0.00		110.18
Worker	0.09	0.09	0.88	0.00	0.18	0.01	0.19	0.01	0.01	0.01		152.24		0.01		152.43
Total	0.15	0.73	1.33	0.00	0.21	0.03	0.25	0.01	0.03	0.04		262.36		0.01		262.61

3.3 Grading Haul 1 (Site) - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.07	0.00	0.07	0.01	0.00	0.01						0.00
Off-Road	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Total	0.00	0.00	0.00	0.00	0.07	0.00	0.07	0.01	0.00	0.01		0.00		0.00		0.00

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.71	57.35	32.08	0.09	153.61	2.47	156.08	0.32	2.47	2.80		9,597.40		0.28		9,603.21
Vendor	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
Worker	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
Total	5.71	57.35	32.08	0.09	153.61	2.47	156.08	0.32	2.47	2.80		9,597.40		0.28		9,603.21

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.03	0.00	0.03	0.00	0.00	0.00						0.00
Off-Road	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00		0.00		0.00
Total	0.00	0.00	0.00	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	0.00		0.00		0.00

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.71	57.35	32.08	0.09	139.81	2.47	142.29	0.32	2.47	2.80		9,597.40		0.28		9,603.21
Vendor	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
Worker	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
Total	5.71	57.35	32.08	0.09	139.81	2.47	142.29	0.32	2.47	2.80		9,597.40		0.28		9,603.21

3.4 Grading Haul 2 (Site) - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.06	0.00	0.06	0.01	0.00	0.01						0.00
Off-Road	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Total	0.00	0.00	0.00	0.00	0.06	0.00	0.06	0.01	0.00	0.01		0.00		0.00		0.00

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.78	48.00	26.85	0.08	4.77	2.07	6.84	0.27	2.07	2.34		8,033.89		0.23		8,038.76
Vendor	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
Worker	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
Total	4.78	48.00	26.85	0.08	4.77	2.07	6.84	0.27	2.07	2.34		8,033.89		0.23		8,038.76

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.02	0.00	0.02	0.00	0.00	0.00						0.00
Off-Road	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00		0.00		0.00
Total	0.00	0.00	0.00	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00		0.00		0.00

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.78	48.00	26.85	0.08	4.37	2.07	6.44	0.27	2.07	2.34		8,033.89		0.23		8,038.76
Vendor	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
Worker	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
Total	4.78	48.00	26.85	0.08	4.37	2.07	6.44	0.27	2.07	2.34		8,033.89		0.23		8,038.76

Construction_Main_Mit
Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Other Asphalt Surfaces	3.33	Acre
City Park	1.74	Acre
Single Family Housing	5	Dwelling Unit

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)		Utility Company	Southern California Edison
Climate Zone	8		2.2		
		Precipitation Freq (Days)			

1.3 User Entered Comments

33

- Project Characteristics -
- Land Use - Based on project description
- Construction Phase - Based on information provided by applicant.
- Off-road Equipment - Based on information provided by applicant.
- Off-road Equipment - Based on information provided by applicant.
- Off-road Equipment - Placeholder for hauling activity.
- Off-road Equipment - Placeholder for hauling.
- Trips and VMT - Based on information provided by applicant.
- Demolition -
- Grading -
- Construction Off-road Equipment Mitigation -

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					
2014	10.17	90.57	51.55	0.13	167.47	4.13	171.60	7.79	4.13	11.92	0.00	13,674.83	0.00	0.68	0.00	13,689.08
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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					
2014	8.51	72.56	49.97	0.13	145.85	3.63	149.48	3.52	3.63	7.15	0.00	13,674.83	0.00	0.68	0.00	13,689.08
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

3.0 Construction Detail

3.1 Mitigation Measures Construction

- Use Cleaner Engines for Construction Equipment
- Use DPF for Construction Equipment
- Replace Ground Cover
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads
- Clean Paved Roads

3.2 Grading (Site) - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					13.55	0.00	13.55	7.45	0.00	7.45							0.00
Off-Road	4.40	35.65	19.89	0.03		1.64	1.64		1.64	1.64		3,771.13		0.39			3,779.41
Total	4.40	35.65	19.89	0.03	13.55	1.64	15.19	7.45	1.64	9.09		3,771.13		0.39			3,779.41

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	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
Vendor	0.06	0.62	0.40	0.00	0.04	0.02	0.06	0.00	0.02	0.02		110.92		0.00			110.98
Worker	0.08	0.08	0.93	0.00	0.20	0.01	0.21	0.01	0.01	0.01		164.33		0.01			164.53
Total	0.14	0.70	1.33	0.00	0.24	0.03	0.27	0.01	0.03	0.03		275.25		0.01			275.51

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					5.79	0.00	5.79	3.18	0.00	3.18							0.00
Off-Road	2.75	17.64	18.31	0.03		1.14	1.14		1.14	1.14	0.00	3,771.13		0.39			3,779.41
Total	2.75	17.64	18.31	0.03	5.79	1.14	6.93	3.18	1.14	4.32	0.00	3,771.13		0.39			3,779.41

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.06	0.62	0.40	0.00	0.03	0.02	0.06	0.00	0.02	0.02		110.92		0.00		110.98
Worker	0.08	0.08	0.93	0.00	0.18	0.01	0.19	0.01	0.01	0.01		164.33		0.01		164.53
Total	0.14	0.70	1.33	0.00	0.21	0.03	0.25	0.01	0.03	0.03		275.25		0.01		275.51

3.3 Grading Haul 1 (Site) - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.07	0.00	0.07	0.01	0.00	0.01						0.00
Off-Road	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Total	0.00	0.00	0.00	0.00	0.07	0.00	0.07	0.01	0.00	0.01		0.00		0.00		0.00

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.62	54.23	30.33	0.09	153.61	2.46	156.07	0.32	2.46	2.78		9,628.45		0.27		9,634.16
Vendor	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
Worker	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
Total	5.62	54.23	30.33	0.09	153.61	2.46	156.07	0.32	2.46	2.78		9,628.45		0.27		9,634.16

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.03	0.00	0.03	0.00	0.00	0.00						0.00
Off-Road	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00		0.00		0.00
Total	0.00	0.00	0.00	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	0.00		0.00		0.00

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.62	54.23	30.33	0.09	139.81	2.46	142.27	0.32	2.46	2.78		9,628.45		0.27		9,634.16
Vendor	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
Worker	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
Total	5.62	54.23	30.33	0.09	139.81	2.46	142.27	0.32	2.46	2.78		9,628.45		0.27		9,634.16

3.4 Grading Haul 2 (Site) - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.06	0.00	0.06	0.01	0.00	0.01						0.00
Off-Road	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Total	0.00	0.00	0.00	0.00	0.06	0.00	0.06	0.01	0.00	0.01		0.00		0.00		0.00

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.71	45.40	25.39	0.08	4.77	2.06	6.83	0.27	2.06	2.33		8,059.88		0.23		8,064.66
Vendor	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
Worker	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
Total	4.71	45.40	25.39	0.08	4.77	2.06	6.83	0.27	2.06	2.33		8,059.88		0.23		8,064.66

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.02	0.00	0.02	0.00	0.00	0.00						0.00
Off-Road	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00		0.00		0.00
Total	0.00	0.00	0.00	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00		0.00		0.00

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.71	45.40	25.39	0.08	4.37	2.06	6.43	0.27	2.06	2.33		8,059.88		0.23		8,064.66
Vendor	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
Worker	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
Total	4.71	45.40	25.39	0.08	4.37	2.06	6.43	0.27	2.06	2.33		8,059.88		0.23		8,064.66

Construction_Main_Mit
Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Other Asphalt Surfaces	3.33	Acre
City Park	1.74	Acre
Single Family Housing	5	Dwelling Unit

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)		Utility Company	Southern California Edison
Climate Zone	8		2.2		
		Precipitation Freq (Days)			

1.3 User Entered Comments

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- Project Characteristics -
- Land Use - Based on project description
- Construction Phase - Based on information provided by applicant.
- Off-road Equipment - Based on information provided by applicant.
- Off-road Equipment - Based on information provided by applicant.
- Off-road Equipment - Placeholder for hauling activity.
- Off-road Equipment - Placeholder for hauling.
- Trips and VMT - Based on information provided by applicant.
- Demolition -
- Grading -
- Construction Off-road Equipment Mitigation -

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2014	0.25	2.22	1.29	0.00	4.15	0.10	4.25	0.14	0.10	0.24	0.00	319.99	319.99	0.01	0.00	320.28
Total	0.25	2.22	1.29	0.00	4.15	0.10	4.25	0.14	0.10	0.24	0.00	319.99	319.99	0.01	0.00	320.28

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2014	0.22	1.91	1.27	0.00	3.66	0.09	3.76	0.07	0.09	0.16	0.00	319.99	319.99	0.01	0.00	320.28
Total	0.22	1.91	1.27	0.00	3.66	0.09	3.76	0.07	0.09	0.16	0.00	319.99	319.99	0.01	0.00	320.28

3.0 Construction Detail

3.1 Mitigation Measures Construction

- Use Cleaner Engines for Construction Equipment
- Use DPF for Construction Equipment
- Replace Ground Cover
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads
- Clean Paved Roads

3.2 Grading (Site) - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.24	0.00	0.24	0.13	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.08	0.62	0.35	0.00		0.03	0.03		0.03	0.03	0.00	59.85	59.85	0.01	0.00	59.98
Total	0.08	0.62	0.35	0.00	0.24	0.03	0.27	0.13	0.03	0.16	0.00	59.85	59.85	0.01	0.00	59.98

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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
Vendor	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.76	1.76	0.00	0.00	1.76
Worker	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.47	2.47	0.00	0.00	2.48
Total	0.00	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.23	4.23	0.00	0.00	4.24

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.10	0.00	0.10	0.06	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.05	0.31	0.32	0.00		0.02	0.02		0.02	0.02	0.00	59.85	59.85	0.01	0.00	59.98
Total	0.05	0.31	0.32	0.00	0.10	0.02	0.12	0.06	0.02	0.08	0.00	59.85	59.85	0.01	0.00	59.98

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	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
Vendor	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.76	1.76	0.00	0.00	1.76
Worker	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.47	2.47	0.00	0.00	2.48
Total	0.00	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.23	4.23	0.00	0.00	4.24

3.3 Grading Haul 1 (Site) - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.16	1.54	0.90	0.00	3.90	0.07	3.97	0.01	0.07	0.08	0.00	248.61	248.61	0.01	0.00	248.76
Vendor	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
Worker	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
Total	0.16	1.54	0.90	0.00	3.90	0.07	3.97	0.01	0.07	0.08	0.00	248.61	248.61	0.01	0.00	248.76

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.16	1.54	0.90	0.00	3.55	0.07	3.62	0.01	0.07	0.08	0.00	248.61	248.61	0.01	0.00	248.76
Vendor	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
Worker	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
Total	0.16	1.54	0.90	0.00	3.55	0.07	3.62	0.01	0.07	0.08	0.00	248.61	248.61	0.01	0.00	248.76

3.4 Grading Haul 2 (Site) - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	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
Total	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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.05	0.03	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	7.30	7.30	0.00	0.00	7.31
Vendor	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
Worker	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
Total	0.00	0.05	0.03	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	7.30	7.30	0.00	0.00	7.31

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	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
Total	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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.05	0.03	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	7.30	7.30	0.00	0.00	7.31
Vendor	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
Worker	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
Total	0.00	0.05	0.03	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	7.30	7.30	0.00	0.00	7.31

LST Construction Emissions Worksheet

Grading (Site)										
	2014	NOx	CO	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	
Onsite		35.65	19.89	5.79	1.64	7.43	3.18	1.64	4.82	
TOTAL	2014	35.65	19.89	5.79	1.64	7.43	3.18	1.64	4.82	
Grading Haul 1 (Site)										
	2014	NOx	CO	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	
Onsite		0	0	0.05	0	0.05	0.01	0	0.01	
TOTAL	2014	0.00	0.00	0.05	0.00	0.05	0.01	0.00	0.01	
Grading+Grading Haul 1		35.65	19.89	5.84	1.64	7.48	3.19	1.64	4.83	
Grading Haul 2 (Site)										
	2014	NOx	CO	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	
Onsite		0	0	0.05	0	0.05	0.01	0	0.01	
TOTAL	2014	0.00	0.00	0.05	0.00	0.05	0.01	0.00	0.01	
Grading + Grading Haul 2		35.65	19.89	5.84	1.64	7.48	3.19	1.64	4.83	
District 29 Water Main Installation										
	2014	NOx	CO	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	
Onsite		14.64	9.84	0	0.84	0.84	0	0.84	0.84	
TOTAL	2014	14.64	9.84	0.00	0.84	0.84	0.00	0.84	0.84	
District 29 Water Main Soil Haul										
	2014	NOx	CO	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	
Onsite		0	0	0	0	0	0	0	0	
TOTAL	2014	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Grading+Grading Haul 1+Water Main+WaterMainHaul		50.29	29.73	5.84	2.48	8.32	3.19	2.48	5.67	
Grading+Grading Haul 2+Water Main		50.29	29.73	5.84	2.48	8.32	3.19	2.48	5.67	
Paving (Homepads)										
	2014	NOx	CO	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	
Onsite		6.88	5.33	0	0.55	0.55	0	0.55	0.55	
TOTAL	2014	6.88	5.33	0.00	0.55	0.55	0.00	0.55	0.55	
Paving+Trenching (Water Main)		21.52	15.17	0.00	1.39	1.39	0.00	1.39	1.39	
Trenching (Road Hogging)										
	2014	NOx	CO	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	
Onsite		4.48	3.69	0	0.35	0.35	0	0.35	0.35	
TOTAL	2014	4.48	3.69	0.00	0.35	0.35	0.00	0.35	0.35	
Paving (Roadbase)										
	2014	NOx	CO	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	
Onsite		23.02	12.65	0	1.04	1.04	0	1.04	1.04	
TOTAL	2014	23.02	12.65	0.00	1.04	1.04	0.00	1.04	1.04	
Grading+Soil Haul		29.90	17.98	0.00	1.59	1.59	0.00	1.59	1.59	
Grading (Road)										
	2014	NOx	CO	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	
Onsite		5.77	4.01	0.17	0.35	0.52	0	0.35	0.35	
TOTAL	2014	5.77	4.01	0.17	0.35	0.52	0.00	0.35	0.35	
Paving (Road)										
	2014	NOx	CO	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	
Onsite		10.07	7.19	0	0.65	0.65	0	0.65	0.65	
TOTAL	2014	10.07	7.19	0.00	0.65	0.65	0.00	0.65	0.65	
Trenching (Site)										
	2014	NOx	CO	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	
Onsite		0.11	1.02	0.23	0.01	0.24	0.01	0.01	0.02	
TOTAL	2014	0.11	1.02	0.23	0.01	0.24	0.01	0.01	0.02	

Backfill/Fine Grading									
	2014	NOx	CO	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		13.07	10.33	0	0.8	0.8	0	0.8	0.8
TOTAL	2014	13.07	10.33	0.00	0.80	0.80	0.00	0.80	0.80

Pilings									
	2014	NOx	CO	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		6.38	3.21		0.28	0.28		0.28	0.28
TOTAL	2014	6.38	3.21	0.00	0.28	0.28	0.00	0.28	0.28

Skate Park									
	2014	NOx	CO	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		6.6	3.72		0.37	0.37		0.37	0.37
TOTAL	2014	6.60	3.72	0.00	0.37	0.37	0.00	0.37	0.37
Onsite		6.03	3.68		0.33	0.33		0.33	0.33
TOTAL	2015	6.03	3.68	0.00	0.33	0.33	0.00	0.33	0.33

Demolition (Maintenance Shed)									
	2014	NOx	CO	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		2.24	1.84	0.05	0.18	0.23	0	0.18	0.18
TOTAL	2014	2.24	1.84	0.05	0.18	0.23	0.00	0.18	0.18
Demo + Skate Park(2014)		4.36	1.88	-0.05	0.19	0.14	0.00	0.19	0.19

Building Lots 1&2									
	2014	NOx	CO	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		18.09	13.42		1.35	1.35		1.35	1.35
TOTAL	2014	18.09	13.42	0.00	1.35	1.35	0.00	1.35	1.35
Onsite		16.7	13.32		1.2	1.2		1.2	1.2
TOTAL	2015	16.70	13.32	0.00	1.20	1.20	0.00	1.20	1.20
Bldg Lots 1&2(2014)+Skate Park(2014)		24.69	17.14	0.00	1.72	1.72	0.00	1.72	1.72
Bldg Lots 1&2(2015)+Skate Park(2015)		22.73	17.00	0.00	1.53	1.53	0.00	1.53	1.53

Building Lots 3&4									
	2015	NOx	CO	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		16.7	13.32		1.2	1.2		1.2	1.2
TOTAL	2015	16.70	13.32	0.00	1.20	1.20	0.00	1.20	1.20
Bldg Lots 3&4+Bldg Lots 1&2		33.40	26.64	0.00	2.40	2.40	0.00	2.40	2.40

Building Lot 5									
	2015	NOx	CO	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		11.48	9.49		0.82	0.82		0.82	0.82
TOTAL	2015	11.48	9.49	0.00	0.82	0.82	0.00	0.82	0.82
Bldg Lot 5+Bldg Lots 3&4		28.18	22.81	0.00	2.02	2.02	0.00	2.02	2.02

Finishing Homes Lots 1&2									
	2015	NOx	CO	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		4.65	4.41		0.3	0.3		0.3	0.3
TOTAL	2015	4.65	4.41	0.00	0.30	0.30	0.00	0.30	0.30
FinishHomesL1&2+BldgLots3&4+BldgLot5		32.83	27.22	0.00	2.32	2.32	0.00	2.32	2.32

Finishing Homes Lots 3&4									
	2016	NOx	CO	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		4.24	4.39		0.25	0.25		0.25	0.25
TOTAL	2016	4.24	4.39	0.00	0.25	0.25	0.00	0.25	0.25

Finishing Homes Lots 3&4									
	2015	NOx	CO	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		3.31	3.21		0.19	0.19		0.19	0.19
TOTAL	2015	3.31	3.21	0.00	0.19	0.19	0.00	0.19	0.19

Finishing Homes Lots 3&4									
	2016	NOx	CO	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		3.02	3.19		0.16	0.16		0.16	0.16
TOTAL	2016	3.02	3.19	0.00	0.16	0.16	0.00	0.16	0.16

Finishing Homes Lot 5									
	2015	NOx	CO	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		3.12	3.06		0.19	0.19		0.19	0.19
TOTAL	2015	3.12	3.06	0.00	0.19	0.19	0.00	0.19	0.19
Architectural Coating (Lots 1&2)									
	2016	NOx	CO	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		2.84	3.04		0.15	0.15		0.15	0.15
TOTAL	2016	2.84	3.04	0.00	0.15	0.15	0.00	0.15	0.15
	2017	NOx	CO	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		2.6	3.03		0.13	0.13		0.13	0.13
TOTAL	2017	2.60	3.03	0.00	0.13	0.13	0.00	0.13	0.13
Architectural Coating (Lots 3&4)									
	2016	NOx	CO	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		2.37	1.88		0.2	0.2		0.2	0.2
TOTAL	2016	2.37	1.88	0.00	0.20	0.20	0.00	0.20	0.20
ArchCoat1&2+FinishHomes1&2+FinishHomes3&4		9.63	9.46	0.00	0.61	0.61	0.00	0.61	0.61
Architectural Coating (Lot 5)									
	2016	NOx	CO	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		2.37	1.88		0.2	0.2		0.2	0.2
TOTAL	2016	2.37	1.88	0.00	0.20	0.20	0.00	0.20	0.20
ArchCoat3&4+FinishHomes1&2+ArchCoat1&2+FinishHomes3&4		7.26	7.58	0.00	0.41	0.41	0.00	0.41	0.41
Architectural Coating (Lot 5)									
	2016	NOx	CO	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		2.37	1.88		0.2	0.2		0.2	0.2
TOTAL	2016	2.37	1.88	0.00	0.20	0.20	0.00	0.20	0.20
FinishHomes3&4+ArchCoat3&4+FinishHome5+ArchCoat5		10.60	9.99	0.00	0.71	0.71	0.00	0.71	0.71
	2017	NOx	CO	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		2.18	1.87		0.17	0.17		0.17	0.17
TOTAL	2017	2.18	1.87	0.00	0.17	0.17	0.00	0.17	0.17
FinishHome5+ArchCoat5		4.78	4.90	0.00	0.30	0.30	0.00	0.30	0.30
Finish Common Area									
	2017	NOx	CO	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		2.26	2.69		0.12	0.12		0.12	0.12
TOTAL	2017	2.26	2.69	0.00	0.12	0.12	0.00	0.12	0.12
Paving									
		NOx	CO	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Onsite		2.3	2.57		0.15	0.15		0.15	0.15
TOTAL	2015	2.30	2.57	0.00	0.15	0.15	0.00	0.15	0.15
MAX DAILY		50.29	29.73	5.84	2.48	8.32	3.19	2.48	5.67
Regional Thresholds		191	1601			26.45			6.51
Exceeds Thresholds?		No	No			No			No

Maximum Daily Emission

Note: Includes the correction for Haul (on-road) PM10 Fugitive dust for which CalEEMod incorrectly calculates emissions over the entire duration emitted on one day.

Operation Emissions Worksheet

Proposed Project

Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Area	1.26	0	0.42	0		0	0.01		0	0.01
Energy	0.01	0.05	0.02	0		0	0		0	0
Mobile	3.64	3.37	37.19	0.08	9.23	0.29	9.52	0.3	0.29	0.6
Total	4.91	3.42	37.63	0.08	9.23	0.29	9.53	0.3	0.29	0.61

Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Area	1.26	0	0.42	0		0	0.01		0	0.01
Energy	0.01	0.05	0.02	0		0	0		0	0
Mobile	3.88	3.79	35.95	0.07	9.23	0.29	9.52	0.3	0.29	0.6
Total	5.15	3.84	36.39	0.07	9.23	0.29	9.53	0.3	0.29	0.61

Max Daily

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Area	1.26	0	0.42	0	0	0	0.01	0	0	0.01
Energy	0.01	0.05	0.02	0	0	0	0	0	0	0
Mobile	3.88	3.79	37.19	0.08	9.23	0.29	9.52	0.3	0.29	0.6
Total	5.15	3.84	37.63	0.08	9.23	0.29	9.53	0.3	0.29	0.61

Operation
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Other Asphalt Surfaces	3.33	Acre
City Park	1.74	Acre
Single Family Housing	5	Dwelling Unit

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Utility Company	Southern California Edison
Climate Zone	8	Precipitation Freq (Days)	33		

1.3 User Entered Comments

- Project Characteristics -
- Land Use - Based on project description
- Vehicle Trips - Based on traffic study.
- Vehicle Emission Factors - Adjusted for proposed project.
- Vehicle Emission Factors - Adjusted for proposed project.
- Vehicle Emission Factors - Adjusted for proposed project.
- Woodstoves - 100 percent gas fireplaces.
- Water And Wastewater - Based on project. Residential homes would utilize septic tank system to treat wastewater.
- Construction Off-road Equipment Mitigation -
- Water Mitigation -

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Area	1.26	0.00	0.42	0.00		0.00	0.01		0.00	0.01	0.00	106.63		0.00	0.00	107.29
Energy	0.01	0.05	0.02	0.00		0.00	0.00		0.00	0.00		68.15		0.00	0.00	68.56
Mobile	3.88	3.79	35.95	0.07	9.23	0.29	9.52	0.30	0.29	0.60		6,355.83		0.28		6,361.65
Total	5.15	3.84	36.39	0.07	9.23	0.29	9.53	0.30	0.29	0.61	0.00	6,530.61		0.28	0.00	6,537.50

Mitigated Operational

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Area	1.26	0.00	0.42	0.00		0.00	0.01		0.00	0.01	0.00	106.63		0.00	0.00	107.29
Energy	0.01	0.05	0.02	0.00		0.00	0.00		0.00	0.00		68.15		0.00	0.00	68.56
Mobile	3.88	3.79	35.95	0.07	9.23	0.29	9.52	0.30	0.29	0.60		6,355.83		0.28		6,361.65
Total	5.15	3.84	36.39	0.07	9.23	0.29	9.53	0.30	0.29	0.61	0.00	6,530.61		0.28	0.00	6,537.50

4.0 Mobile Detail

4.1 Mitigation Measures Mobile

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Mitigated	3.88	3.79	35.95	0.07	9.23	0.29	9.52	0.30	0.29	0.60		6,355.83		0.28		6,361.65
Unmitigated	3.88	3.79	35.95	0.07	9.23	0.29	9.52	0.30	0.29	0.60		6,355.83		0.28		6,361.65
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
City Park	120.01	920.01	920.01	994,344	994,344
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	47.85	50.40	43.85	158,678	158,678
Total	167.86	970.41	963.86	1,153,022	1,153,022

4.3 Trip Type Information

Land Use	Miles			Trip %		
	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
City Park	8.90	13.30	7.40	33.00	48.00	19.00
Other Asphalt Surfaces	8.90	13.30	7.40	0.00	0.00	0.00
Single Family Housing	12.70	7.00	9.50	40.20	19.20	40.60

5.0 Energy Detail

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
NaturalGas Mitigated	0.01	0.05	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00		68.15		0.00	0.00	68.56
NaturalGas Unmitigated	0.01	0.05	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00		68.15		0.00	0.00	68.56
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

5.2 Energy by Land Use - NaturalGas

Unmitigated

Land Use	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
City Park	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Other Asphalt Surfaces	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Single Family Housing	579.252	0.01	0.05	0.02	0.00		0.00	0.00		0.00	0.00		68.15		0.00	0.00	68.56
Total		0.01	0.05	0.02	0.00		0.00	0.00		0.00	0.00		68.15		0.00	0.00	68.56

Mitigated

	Natural Gas 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	lb/day										lb/day					
City Park	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Other Asphalt Surfaces	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Single Family Housing	0.579252	0.01	0.05	0.02	0.00		0.00	0.00		0.00	0.00		68.15		0.00	0.00	68.56
Total		0.01	0.05	0.02	0.00		0.00	0.00		0.00	0.00		68.15		0.00	0.00	68.56

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.26	0.00	0.42	0.00		0.00	0.01		0.00	0.01	0.00	106.63		0.00	0.00	107.29
Unmitigated	1.26	0.00	0.42	0.00		0.00	0.01		0.00	0.01	0.00	106.63		0.00	0.00	107.29
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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	0.12					0.00	0.00		0.00	0.00						0.00
Consumer Products	1.11					0.00	0.00		0.00	0.00						0.00
Hearth	0.01	0.00	0.00	0.00		0.00	0.01		0.00	0.01	0.00	105.88		0.00	0.00	106.53
Landscaping	0.01	0.00	0.42	0.00		0.00	0.00		0.00	0.00		0.75		0.00		0.77
Total	1.25	0.00	0.42	0.00		0.00	0.01		0.00	0.01	0.00	106.63		0.00	0.00	107.30

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	0.12					0.00	0.00		0.00	0.00							0.00
Consumer Products	1.11					0.00	0.00		0.00	0.00							0.00
Hearth	0.01	0.00	0.00	0.00		0.00	0.01		0.00	0.01	0.00	105.88		0.00	0.00		106.53
Landscaping	0.01	0.00	0.42	0.00		0.00	0.00		0.00	0.00		0.75		0.00			0.77
Total	1.25	0.00	0.42	0.00		0.00	0.01		0.00	0.01	0.00	106.63		0.00	0.00		107.30

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Vegetation

Operation
Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Other Asphalt Surfaces	3.33	Acre
City Park	1.74	Acre
Single Family Housing	5	Dwelling Unit

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Utility Company	Southern California Edison
Climate Zone	8	Precipitation Freq (Days)	33		

1.3 User Entered Comments

- Project Characteristics -
- Land Use - Based on project description
- Vehicle Trips - Based on traffic study.
- Vehicle Emission Factors - Adjusted for proposed project.
- Vehicle Emission Factors - Adjusted for proposed project.
- Vehicle Emission Factors - Adjusted for proposed project.
- Woodstoves - 100 percent gas fireplaces.
- Water And Wastewater - Based on project. Residential homes would utilize septic tank system to treat wastewater.
- Construction Off-road Equipment Mitigation -
- Water Mitigation -

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.26	0.00	0.42	0.00		0.00	0.01		0.00	0.01	0.00	106.63		0.00	0.00	107.29
Energy	0.01	0.05	0.02	0.00		0.00	0.00		0.00	0.00		68.15		0.00	0.00	68.56
Mobile	3.64	3.37	37.19	0.08	9.23	0.29	9.52	0.30	0.29	0.60		6,847.77		0.28		6,853.56
Total	4.91	3.42	37.63	0.08	9.23	0.29	9.53	0.30	0.29	0.61	0.00	7,022.55		0.28	0.00	7,029.41

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.26	0.00	0.42	0.00		0.00	0.01		0.00	0.01	0.00	106.63		0.00	0.00	107.29
Energy	0.01	0.05	0.02	0.00		0.00	0.00		0.00	0.00		68.15		0.00	0.00	68.56
Mobile	3.64	3.37	37.19	0.08	9.23	0.29	9.52	0.30	0.29	0.60		6,847.77		0.28		6,853.56
Total	4.91	3.42	37.63	0.08	9.23	0.29	9.53	0.30	0.29	0.61	0.00	7,022.55		0.28	0.00	7,029.41

4.0 Mobile Detail

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	3.64	3.37	37.19	0.08	9.23	0.29	9.52	0.30	0.29	0.60		6,847.77		0.28		6,853.56
Unmitigated	3.64	3.37	37.19	0.08	9.23	0.29	9.52	0.30	0.29	0.60		6,847.77		0.28		6,853.56
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
City Park	120.01	920.01	920.01	994,344	994,344
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	47.85	50.40	43.85	158,678	158,678
Total	167.86	970.41	963.86	1,153,022	1,153,022

4.3 Trip Type Information

Land Use	Miles			Trip %		
	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
City Park	8.90	13.30	7.40	33.00	48.00	19.00
Other Asphalt Surfaces	8.90	13.30	7.40	0.00	0.00	0.00
Single Family Housing	12.70	7.00	9.50	40.20	19.20	40.60

5.0 Energy Detail

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					
Natural Gas Mitigated	0.01	0.05	0.02	0.00		0.00	0.00		0.00	0.00		68.15		0.00	0.00	68.56
Natural Gas Unmitigated	0.01	0.05	0.02	0.00		0.00	0.00		0.00	0.00		68.15		0.00	0.00	68.56
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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	lb/day										lb/day					
City Park	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Other Asphalt Surfaces	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Single Family Housing	579.252	0.01	0.05	0.02	0.00		0.00	0.00		0.00	0.00		68.15		0.00	0.00	68.56
Total		0.01	0.05	0.02	0.00		0.00	0.00		0.00	0.00		68.15		0.00	0.00	68.56

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	lb/day										lb/day					
City Park	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Other Asphalt Surfaces	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Single Family Housing	0.579252	0.01	0.05	0.02	0.00		0.00	0.00		0.00	0.00		68.15		0.00	0.00	68.56
Total		0.01	0.05	0.02	0.00		0.00	0.00		0.00	0.00		68.15		0.00	0.00	68.56

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.26	0.00	0.42	0.00		0.00	0.01		0.00	0.01	0.00	106.63		0.00	0.00	107.29
Unmitigated	1.26	0.00	0.42	0.00		0.00	0.01		0.00	0.01	0.00	106.63		0.00	0.00	107.29
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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	0.12					0.00	0.00		0.00	0.00							0.00
Consumer Products	1.11					0.00	0.00		0.00	0.00							0.00
Hearth	0.01	0.00	0.00	0.00		0.00	0.01		0.00	0.01	0.00	105.88		0.00	0.00		106.53
Landscaping	0.01	0.00	0.42	0.00		0.00	0.00		0.00	0.00		0.75		0.00			0.77
Total	1.25	0.00	0.42	0.00		0.00	0.01		0.00	0.01	0.00	106.63		0.00	0.00		107.30

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	0.12					0.00	0.00		0.00	0.00							0.00
Consumer Products	1.11					0.00	0.00		0.00	0.00							0.00
Hearth	0.01	0.00	0.00	0.00		0.00	0.01		0.00	0.01	0.00	105.88		0.00	0.00		106.53
Landscaping	0.01	0.00	0.42	0.00		0.00	0.00		0.00	0.00		0.75		0.00			0.77
Total	1.25	0.00	0.42	0.00		0.00	0.01		0.00	0.01	0.00	106.63		0.00	0.00		107.30

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Vegetation

Operation
Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Other Asphalt Surfaces	3.33	Acre
City Park	1.74	Acre
Single Family Housing	5	Dwelling Unit

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Utility Company	Southern California Edison
Climate Zone	8	Precipitation Freq (Days)	33		

1.3 User Entered Comments

- Project Characteristics -
- Land Use - Based on project description
- Vehicle Trips - Based on traffic study.
- Vehicle Emission Factors - Adjusted for proposed project.
- Vehicle Emission Factors - Adjusted for proposed project.
- Vehicle Emission Factors - Adjusted for proposed project.
- Woodstoves - 100 percent gas fireplaces.
- Water And Wastewater - Based on project. Residential homes would utilize septic tank system to treat wastewater.
- Construction Off-road Equipment Mitigation -
- Water Mitigation -

2.0 Emissions Summary

2.1 Overall Construction

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.23	0.00	0.08	0.00		0.00	0.00		0.00	0.00	0.00	3.73	3.73	0.00	0.00	3.75
Energy	0.00	0.01	0.00	0.00		0.00	0.00		0.00	0.00	0.00	20.67	20.67	0.00	0.00	20.80
Mobile	0.27	0.26	2.74	0.01	0.62	0.02	0.64	0.02	0.02	0.04	0.00	443.09	443.09	0.02	0.00	443.48
Waste						0.00	0.00		0.00	0.00	0.77	0.00	0.77	0.05	0.00	1.73
Water						0.00	0.00		0.00	0.00	0.00	16.35	16.35	0.23	0.00	21.45
Total	0.50	0.27	2.82	0.01	0.62	0.02	0.64	0.02	0.02	0.04	0.77	483.84	484.61	0.30	0.00	491.21

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.23	0.00	0.08	0.00		0.00	0.00		0.00	0.00	0.00	3.73	3.73	0.00	0.00	3.75
Energy	0.00	0.01	0.00	0.00		0.00	0.00		0.00	0.00	0.00	20.67	20.67	0.00	0.00	20.80
Mobile	0.27	0.26	2.74	0.01	0.62	0.02	0.64	0.02	0.02	0.04	0.00	443.09	443.09	0.02	0.00	443.48
Waste						0.00	0.00		0.00	0.00	0.77	0.00	0.77	0.05	0.00	1.73
Water						0.00	0.00		0.00	0.00	0.00	14.83	14.83	0.18	0.00	18.92
Total	0.50	0.27	2.82	0.01	0.62	0.02	0.64	0.02	0.02	0.04	0.77	482.32	483.09	0.25	0.00	488.68

4.0 Mobile Detail

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.27	0.26	2.74	0.01	0.62	0.02	0.64	0.02	0.02	0.04	0.00	443.09	443.09	0.02	0.00	443.48
Unmitigated	0.27	0.26	2.74	0.01	0.62	0.02	0.64	0.02	0.02	0.04	0.00	443.09	443.09	0.02	0.00	443.48
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	120.01	920.01	920.01	994,344	994,344
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	47.85	50.40	43.85	158,678	158,678
Total	167.86	970.41	963.86	1,153,022	1,153,022

4.3 Trip Type Information

Land Use	Miles			Trip %		
	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
City Park	8.90	13.30	7.40	33.00	48.00	19.00
Other Asphalt Surfaces	8.90	13.30	7.40	0.00	0.00	0.00
Single Family Housing	12.70	7.00	9.50	40.20	19.20	40.60

5.0 Energy Detail

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Electricity Mitigated						0.00	0.00		0.00	0.00	0.00	9.39	9.39	0.00	0.00	9.44
Electricity Unmitigated						0.00	0.00		0.00	0.00	0.00	9.39	9.39	0.00	0.00	9.44
NaturalGas Mitigated	0.00	0.01	0.00	0.00		0.00	0.00		0.00	0.00	0.00	11.28	11.28	0.00	0.00	11.35
NaturalGas Unmitigated	0.00	0.01	0.00	0.00		0.00	0.00		0.00	0.00	0.00	11.28	11.28	0.00	0.00	11.35
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

5.2 Energy by Land Use - NaturalGas

Unmitigated

Land Use	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
	kBTU	tons/yr										MT/yr					
City Park	0	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
Other Asphalt Surfaces	0	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
Single Family Housing	211427	0.00	0.01	0.00	0.00		0.00	0.00		0.00	0.00	0.00	11.28	11.28	0.00	0.00	11.35
Total		0.00	0.01	0.00	0.00		0.00	0.00		0.00	0.00	0.00	11.28	11.28	0.00	0.00	11.35

Mitigated

Land Use	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
	kBTU	tons/yr										MT/yr					
City Park	0	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
Other Asphalt Surfaces	0	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
Single Family Housing	211427	0.00	0.01	0.00	0.00		0.00	0.00		0.00	0.00	0.00	11.28	11.28	0.00	0.00	11.35
Total		0.00	0.01	0.00	0.00		0.00	0.00		0.00	0.00	0.00	11.28	11.28	0.00	0.00	11.35

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	kWh	tons/yr				MT/yr			
City Park	0					0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0					0.00	0.00	0.00	0.00
Single Family Housing	32266.8					9.39	0.00	0.00	9.44
Total						9.39	0.00	0.00	9.44

Mitigated

	Electricity Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	kWh	tons/yr				MT/yr			
City Park	0					0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0					0.00	0.00	0.00	0.00
Single Family Housing	32266.8					9.39	0.00	0.00	9.44
Total						9.39	0.00	0.00	9.44

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.23	0.00	0.08	0.00		0.00	0.00		0.00	0.00	0.00	3.73	3.73	0.00	0.00	3.75
Unmitigated	0.23	0.00	0.08	0.00		0.00	0.00		0.00	0.00	0.00	3.73	3.73	0.00	0.00	3.75
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.02					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.20					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	3.60	3.60	0.00	0.00	3.62
Landscaping	0.00	0.00	0.08	0.00		0.00	0.00		0.00	0.00	0.00	0.12	0.12	0.00	0.00	0.13
Total	0.22	0.00	0.08	0.00		0.00	0.00		0.00	0.00	0.00	3.72	3.72	0.00	0.00	3.75

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.02					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.20					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	3.60	3.60	0.00	0.00	3.62
Landscaping	0.00	0.00	0.08	0.00		0.00	0.00		0.00	0.00	0.00	0.12	0.12	0.00	0.00	0.13
Total	0.22	0.00	0.08	0.00		0.00	0.00		0.00	0.00	0.00	3.72	3.72	0.00	0.00	3.75

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr				MT/yr			
Mitigated					14.83	0.18	0.00	18.92
Unmitigated					16.35	0.23	0.00	21.45
Total	NA							

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr				MT/yr			
City Park	0 / 3.25851					10.53	0.00	0.00	10.60
Other Asphalt Surfaces	0 / 0					0.00	0.00	0.00	0.00
Single Family Housing	0.999278 / 0.629979					5.82	0.23	0.00	10.86
Total						16.35	0.23	0.00	21.46

Mitigated

	Indoor/Outdoor Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr				MT/yr			
City Park	0 / 3.05974					9.89	0.00	0.00	9.95
Other Asphalt Surfaces	0 / 0					0.00	0.00	0.00	0.00
Single Family Housing	0.799422 / 0.591551					4.94	0.18	0.00	8.97
Total						14.83	0.18	0.00	18.92

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
	tons/yr				MT/yr			
Mitigated					0.77	0.05	0.00	1.73
Unmitigated					0.77	0.05	0.00	1.73
Total	NA							

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr				MT/yr			
City Park	0.15					0.03	0.00	0.00	0.07
Other Asphalt Surfaces	0					0.00	0.00	0.00	0.00
Single Family Housing	3.65					0.74	0.04	0.00	1.66
Total						0.77	0.04	0.00	1.73

Mitigated

	Waste Disposed	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr				MT/yr			
City Park	0.15					0.03	0.00	0.00	0.07
Other Asphalt Surfaces	0					0.00	0.00	0.00	0.00
Single Family Housing	3.65					0.74	0.04	0.00	1.66
Total						0.77	0.04	0.00	1.73

9.0 Vegetation

GHG Summary: Crummer Site Subdivision

Source	Buildout MTons/Year	Percent of Project Total
Area	4	0.7%
Energy	21	3.9%
Mobile	443	84.0%
Waste	2	0.3%
Water	19	3.6%
Amortized Construction Emissions*	39	7.4%
Total All Sectors	528	100%

*Total construction emissions are amortized over 30 years.

CalEEMod Land Use Inputs - Buildout

Type	LandUseUnitAmount	LandUseSizeMetric	LotAcreage	LandUseSquareFeet	Population
Single Family	5	DU	18.80	55,341	
Parking (Surface)	3.33	acre	3.33		
Recreational (City Park)	1.74	acre	1.74	861	
			23.87	acre	
Project Location:	Los Angeles County - South Coast				
Climate Zone:	8				
Operation Year	2017				
Land Use Setting	Urban				
Utility Company	SCE				
Source Area Receptor:	2				

Trip Generation: Worst case trip generation for air quality based on the site with a baseball field.

Weekday

5 Dwelling Units Trips	48 Average Daily Trips (ADT)
Trip Rate	9.57 trips/DU
Recreation (Baseball Field) Trips	120 ADT
Trip Rate	60 trips/game
	68.97 trips/acre

Weekend

5 Dwelling Units Trips	50 Average Daily Trips (ADT)
Trip Rate	10.08 trips/DU
Recreation (Baseball Field) Trips	920 ADT
Trip Rate	92 trips/game
	528.74 trips/acre

Water Use	5 Single-Family Dwelling		
	Units (gals/yr)	Recreation Area	Total
<i>Indoor</i>	999,277.73	-	999,278
<i>Outdoor</i>	629,979.43	3,258,514.32	3,888,493.75
<i>Total</i>	1,629,257.16	3,258,514.32	4,887,771.48

Solid Waste	5 Single-Family Dwelling	
	Units (tons)	Recreation (tons)
	3.65	15 (Default)

Area Sources:

no woodstoves; 100% gas fireplaces (Rule 445: Woodburning Devices)

Building Square Footage

Lot	Building SF	Lot Size (SF)	Lot Size (AC)	Parcel Street Easement (SF)	Parcel Street Easement (AC)
1	11,082	168,009	3.86	4,463	0.10
2	11,069	146,916	3.37	503	0.01
3	11,009	113,678	2.61	2,292	0.05
4	11,158	150,818	3.46	10,582	0.24
5	11,023	259,132	5.95	1,972	0.05
6	245	125,733	2.88	0	0.00
7	616	75,640	1.74	0	0.00
	56,202	1,039,926	23.87	19,812	0.45

CalEEMod Construction Run Land Use Inputs - Buildout

***Worst case grading/construction based on the site with a skate park.**

Type	LandUseUnitAmount	LandUseSizeMetric	LotAcreage	LandUseSquareFeet	Population
Single Family (Lots 1&2)	2	DU	7.12	22,151	
Single Family (Lots 3&4)	2	DU	5.77	22,167	
Single Family (Lot 5)	1	DU	5.90	11,023	
Parking (Surface)	3.33	acre	3.33		
Recreational (City Park)	1.74	acre	1.74	861	
			23.87	acre	
Project Location:	Los Angeles County - South Coast				
Climate Zone:	8				
Operation Year					
Land Use Setting	Urban				
Utility Company	SCE				
Source Area Receptor:	2				

Demolition

Building 650 tons

Soil Haul

	Lot 1	Lot 2	Lot 3	Lot 4	Lot 5	Lot 6	Lot 7	Total
Amount of Soil (cy)								
<i>Import Volume:</i>	1,573	2,089	1,754	2,413	1,737	1,408	684	11,658
<i>Export Volume:</i>	3,497	3,947	2,934	2,552	3,701	3,271	4,609	24,511
Total Haul Round Trips (16 cy haul truck)								
<i>Import Round Trips:</i>	98	131	110	151	109	88	43	729
<i>Export Round Trips:</i>	219	247	183	160	231	204	288	1,532
Total Haul Trip Ends								
<i>Import Trip Ends:</i>	197	261	219	302	217	176	86	1,457
<i>Export Trip Ends:</i>	437	493	367	319	463	409	576	3,064
								4,521
<i>1-Way Trip Distance:</i>	30 miles							

Construction Phasing - Site w/Skate Park

5-Day Work Week

Phase Name*	Start Date**	End Date**	CalEEMod	Duration (Mos)
			Days*	
Grading (Site)	3/3/2014	4/18/2014	35	1.6
Grading Haul 1 (Site)	3/3/2014	4/17/2014	34	1.5
Grading Haul 2 (Site)	4/18/2014	4/18/2014	1	0.0
Water Main Installation	3/3/2014	5/1/2014	44	2.0
Water Main Haul	3/3/2014	3/28/2014	20	0.9
Paving (home pads)	4/21/2014	5/9/2014	15	0.7
Trenching (Road Hogging)	5/12/2014	5/19/2014	6	0.3
Paving (Road base)	5/20/2014	5/28/2014	7	0.3
Grading (Road)	5/29/2014	6/10/2014	9	0.4
Paving (road)	6/11/2014	7/14/2014	24	1.1
Trenching (site)	7/15/2014	8/12/2014	21	1.0
Backfill/Fine Grading	8/13/2014	8/27/2014	11	0.5
Pilings	8/18/2014	10/6/2014	36	1.6
Skate Park	10/7/2014	2/9/2015	90	4.1
Demo Maintenance Shed	10/13/2014	10/17/2014	5	0.2
Building Lots 1&2	10/20/2014	4/3/2015	120	5.5
Building Lots 3&4	2/20/2015	8/6/2015	120	5.5
Building Lot 5	6/25/2015	12/9/2015	120	5.5
Finish Homes L1&2	4/6/2015	5/27/2016	300	14
Architectural Coating L1&2	1/12/2016	5/27/2016	99	5
Finish Homes L3&4	8/7/2015	9/29/2016	300	13.6
Architectural Coating L3&4	5/16/2016	9/29/2016	99	4.5
Finish Homes L5	12/10/2015	2/1/2017	300	13.6
Architectural Coating L5	9/16/2016	2/1/2017	99	4.5
Finish Common Area	2/2/2017	3/31/2017	42	1.9
Paving	4/3/2017	5/12/2017	30	1.4
	1/1/2014	12/31/2013		0.0
	1/1/2015	12/31/2014		0.0
	1/1/2015	12/31/2014		0.0
	6/24/2015	6/23/2015		0.0

*Based on information provided by applicant.

**General start and completion dates provided in project description.

Construction Phasing - Mitigated

5-Day Work Week

Phase Name*	Start Date**	End Date**	CalEEMod	Duration (Mos)
			Days*	
Grading (Site)	3/3/2014	4/18/2014	35	1.6
Grading Haul 1 (Site)	3/3/2014	5/20/2014	57	2.6
Grading Haul 2 (Site)	5/21/2014	5/22/2014	2	0.1
Water Main Installation	3/3/2014	5/1/2014	44	2.0
Water Main Haul	3/3/2014	3/28/2014	20	0.9
Paving (home pads)	4/21/2014	5/9/2014	15	0.7
Trenching (Road Hogging)	5/12/2014	5/19/2014	6	0.3
Paving (Road base)	5/20/2014	5/28/2014	7	0.3
Grading (Road)	5/29/2014	6/10/2014	9	0.4
Paving (road)	6/11/2014	7/14/2014	24	1.1
Trenching (site)	7/15/2014	8/12/2014	21	1.0
Backfill/Fine Grading	8/13/2014	8/27/2014	11	0.5
Pilings	8/18/2014	10/6/2014	36	1.6
Skate Park	10/7/2014	2/9/2015	90	4.1
Demo Maintenance Shed	10/13/2014	10/17/2014	5	0.2
Building Lots 1&2	10/20/2014	4/3/2015	120	5.5
Building Lots 3&4	2/20/2015	8/6/2015	120	5.5
Building Lot 5	6/25/2015	12/9/2015	120	5.5
Finish Homes L1&2	4/6/2015	5/27/2016	300	14
Architectural Coating L1&2	1/12/2016	5/27/2016	99	5
Finish Homes L3&4	8/7/2015	9/29/2016	300	13.6
Architectural Coating L3&4	5/16/2016	9/29/2016	99	4.5
Finish Homes L5	12/10/2015	2/1/2017	300	13.6
Architectural Coating L5	9/16/2016	2/1/2017	99	4.5
Finish Common Area	2/2/2017	3/31/2017	42	1.9
Paving	4/3/2017	5/12/2017	30	1.4

*Based on information provided by applicant.

**General start and completion dates provided in project description.

Construction Equipment Mix

Type of Equipment	Pieces of Equipment	Hrs Op	HP	LF	Worker Trips/Day	CalEEMod Vendor Trips	Total Haul Trips	1-way Haul Trip Length	Total # of Days	Total # of Hours
Grading					Default	Default				
Loader	2	6	98	0.37					25	300
Rubber Tired Dozer	3	6	default	0.4					25	450
Water Truck	2					4				
Trenching (District 29 Sewer Line)					Default	Default	100	0.5		
Excavator (40K lbs John Deere)	1		121	0.38					15	0
Backhoe (Cat)	2		98	0.37					15	0
Loader (John Deer J-544/644)	1		255	0.37						
Compactor (Plate compactor)	1	34	default	default						
Service trucks	1					2				
Paving (Home Pads)					Default	Default				
Loader	2	6	98	0.37					15	180
Roller (compactor)	1	6	84	0.38					15	90
Trenching (Road Hogging)					Default	Default				
Loader	2	6	98	0.37					6	72
Paving (Road Base)					Default					
Rubber Tired Dozer	2	6	default	0.4					7	84
Tractors/Loaders/Backhoes	1	6	98	0.37					7	42
Water Truck	2					4				0
Haulers	15					30				0
Road Grading					Default	Default				
Grader	1	6	175	0.41					3	18
Roller	1	3	default	0.38					3	9
Water Truck	2	4				4			3	24
Paving (Road)					Default	Default				
Concrete Truck (mixer)	1	6	default	default		2			5	30
Pump	1	6	default	default					5	30
Paver (delivery truck)	1	4	126	0.42		2			3	12
Forklift	2	6	default	0.2					21	252
Trenching/Utilities/Sewer					Default	Default				
Backhoe	4	4	98	0.37					21	336
Excavators	2	4	163	0.38					21	168

Fine Grading (Backfill)					Default	Default		
Backhoe	1	4	98	0.37			3	12
Skidsteer Loader	2	4	65	0.37			8	64
Mixers (concrete trucks)	20	6				40	5	600
Pump	1	6	default	default			5	30
Pilings					Default	Default		
Crane	1	4.5	226	0.29			35	157.5
Drill	1	4.5	206	0.5			35	157.5
Loader	1	4	98	0.37			35	140
Skate Park					Default	Default		
Backhoe Loader (CAT 450E)	1	1.56	137	0.37			90	140
Dump Truck (6 yard)	1	1.00				2	90	90
Skidsteer Loader (Bobcat S205)	1	0.78	66	0.37			90	70
Pump (concrete trailer pump 197 HF)	1	1.78	197				90	160
Mixer (concrete truck)	1	2.11				2	90	190
Plate Compactor	1	1.33					90	120
Roller (vibratory soil compactor CAT)	1	0.67	100	0.38			90	60
Generators	1	3.56					90	320
Demolition (Maintenance Shed)					Default	Default		
Backhoe	1	6	98	0.37			5	30
Haulers	5	6				10	1	30
								0
Building Shells Lots 1&2					Default			
Concrete Truck (use dump truck?)	2	5				4	4	40
Backhoe	2	4	98	0.37			3	24
Skidsteer Loader	1	4	65	0.37			3	12
Pool backhoe	1	6	98	0.37			2	12
Gunnite truck (mixer)	1	6	default	default		2	2	12
Generators	2	8	default	default			20	320
Building Shells Lots 3&4								
Concrete Truck (mixer)	2	5	default	default		4	4	40
Backhoe	2	4	98	0.37			3	24
Skidsteer Loader	1	4	65	0.37			3	12
Pool backhoe	1	6	98	0.37			2	12
Gunitruck (mixer)	1	6	default	default		2	2	12
Generators	2	8	default	default			10	160
Building Shells Lot 5								
Concrete Truck (mixer)	2	5	default	default		4	4	40

Backhoe	2	4	98	0.37			1.5	12
Skidsteer Loader	1	4	65	0.37			1.5	6
Pool backhoe	1	6	98	0.37			1	6
Gunite Truck (mixer)	1	6	default	default		2	1	6
Generators	1	8	default	default			10	80
Finishing Homes Lots 1&2								
Mixers	1	6	default	default			10	60
Skidsteer Loader	1	6	65	0.37			4	24
Concrete Truck (mixer)	2	4	default	default		4	4	32
Track Hoe	1	4	98	0.37			3	12
Skidsteer Loader	1	4	65	0.37			10	40
Skidsteer Loader	1	4	65	0.37			6	24
Finishing Homes Lots 3&4								
Mixers	1	6	default	default			15	90
Skidsteer Loader	1	6	65	0.37			6	36
Concrete Truck (mixer)	2	4	default	default		4	6	48
Skidsteer Loader	1	4	65	0.37			20	80
Skidsteer Loader	1	4	65	0.37			6	24
Finishing Homes Lot 5								
Mixers	1	6	default	default			15	90
Skidsteer Loader	1	6	65	0.37			6	36
Concrete Truck (mixer)	1	4	default	default		2	6	24
Skidsteer Loader	1	4	65	0.37			10	40
Skidsteer Loader	1	4	65	0.37			3	12
Final Common Area Finish								
Skidsteer Loader	1	6	65	0.37			15	90
Concrete Truck (mixer)	1	6	default	default		2	7	42
Forklift	1	6	default	0.2			20	120
Paving					Default	Default		
Loader	1	6	98	0.37			15	90
Skidsteer Loader	1	4	65	0.37			15	60

Changes to the CalEEMod Defaults - Fleet Mix

Default	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH	
FleetMix	0.526811	0.068571	0.224996	0.097223	0.020394	0.006207	0.016223	0.028178	0.001392	0.002247	0.004496	0.000883	0.002379	100%
Trips	511	67	218	94	20	6	16	27	1	2	4	1	2	970
Percent	0.824874			0.097223				0.077903						100%
Proportion	0.638656	0.083129	0.272764	1.000000	0.261787	0.079676	0.208246	0.361706	0.017868	0.028844	0.005451	0.011335	0.030538	
Assumed Mix adjusted with	0.97			0.02				0.01						1
Assumed	0.619497	0.080635	0.264581	0.020000	0.002618	0.000797	0.002082	0.003617	0.000179	0.000288	0.005287	0.000113	0.000305	1
Trips	601	78	257	19	3	1	2	4	0	0	5	0	0	970
Calibrated so no buses or motorhomes	0.619497	0.080635	0.264581	0.020000	0.002618	0.000797	0.002082	0.000000	0.000000	0.000000	0.005287	0.001000	0.004000	100.0%
Modified	0.619189	0.080595	0.264450	0.019990	0.002617	0.000796	0.002081	0.000000	0.000000	0.000000	0.005284	0.001000	0.003998	100.0%
Trips	601	78	257	19	3	1	2	0	0	0	5	1	4	970

EquipmentTypeID	OFFROAD2011 Adj			OFFROAD2011 Adj			Max-Average HP Used in CalEEMod Run
	ARB LF	COMPARE TO		ARB HP	COMPARE TO		
		CalEEMod Default LF	Percent Change		CalEEMod Default HP		
Air Compressors	NA	0.48		NA	78	78	
Baggage Tug	0.37	NA		74	NA	74	
Belt Loader	0.34	NA		75	NA	75	
Bobtail	0.37	NA		144	NA	144	
Bore/Drill Rigs	0.50	0.75	-33%	206	82	206	
Cargo Loader	0.34	NA		117	NA	117	
Cargo Tractor	0.36	NA		94	NA	94	
Cement and Mortar Mixers	NA	0.56		NA	9	9	
Concrete/Industrial Saws	NA	0.73		NA	81	81	
Cranes	0.29	0.43	-33%	226	208	226	
Crawler Tractors	0.43	0.64	-33%	208	82	208	
Crushing/Proc. Equipment	NA	0.78		NA	85	85	
Drill Rig (Mobile)	0.50	NA		238	NA	238	
Dumpers/Tenders	NA	0.38		NA	16	16	
Excavators	0.38	0.57	-33%	163	157	163	
Forklift (GSE)	0.20	NA		107	NA	107	
Forklifts	0.20	0.30	-33%	89	149	149	
Generator Sets	NA	0.74		NA	84	84	
Graders	0.41	0.61	-33%	175	162	175	
Lift (GSE)	0.34	NA		95	NA	95	
Off-Highway Tractors	0.44	0.65	-33%	123	160	160	
Off-Highway Trucks	0.38	0.57	-33%	400	381	400	
Other Construction Equipment	0.42	0.62	-33%	172	327	327	
Other General Industrial Equipment	0.34	0.51	-33%	88	150	150	
Other GSE	0.34	NA		108	NA	108	
Other Material Handling Equipment	0.40	0.59	-33%	167	196	196	
Passenger Stand	0.40	NA		70	NA	70	
Pavers	0.42	0.62	-33%	126	89	126	
Paving Equipment	0.36	0.53	-33%	131	82	131	
Plate Compactors	NA	0.43		NA	8	8	
Pressure Washers	NA	0.30		NA	13	13	
Pumps	NA	0.74		NA	84	84	
Rollers	0.38	0.56	-33%	81	84	84	
Rough Terrain Forklifts	0.40	0.60	-33%	100	83	100	
Rubber Tired Dozers	0.40	0.59	-33%	255	358	358	
Rubber Tired Loaders	0.36	0.54	-33%	200	87	200	
Scrapers	0.48	0.72	-33%	362	356	362	
Signal Boards	NA	0.82		NA	6	6	
Skid Steer Loaders	0.37	0.55	-33%	65	37	65	
Surfacing Equipment	0.30	0.45	-33%	254	392	392	
Sweepers/Scrubbers	0.46	0.68	-33%	64	88	88	
Tractors/Loaders/Backhoes	0.37	0.55	-33%	98	75	98	
Welders	NA	0.45		NA	46	46	

Source: OFFROAD2011 and CalEEMod

Solid Waste Calculation

	Solid Waste Generate Rate (lbs/DU/day)*	No. of Dwelling Units	Solid Waste Generation Rate (lbs/year)	Solid Waste Generation Rate (tons/year)
Single-family detached	4	5	7,300	3.65

Water Use Calculation

	Total Water (acre- feet/year)	Gal/Acre-Foot	Total Water Demand (gal/year)	
Total Water Demand-Residences	5.00	325,851	1,629,257.16	
Total Water Demand-Recreation	10.00	325,851	3,258,514.32	
Total Check			3,258,514	-

Construction Localized Significance Thresholds - Existing Baseball Field

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)
2	4.00	25	82

Source Receptor Distance (meters)	Northwest Coastal LA County	Equipment	Acres/8-hr Day	Equipment Used	Hours of Operation	Acres
	25	Tractors	0.5	5	8	2.5
NOx	196	Graders	0.5	0	0	0
CO	1296	Dozers	0.5	3	8	1.5
		Scrapers	1	0	0	0
					Acres	4.00

	Acres	25	50	100	200	500
NOx	4	196	189	203	229	295
	4	196	189	203	229	295
CO	4	196	189	203	229	295
	4	1296	1728	2406	3909	9793
PM10	4	1296	1728	2406	3909	9793
	4	11	33	48	77	167
PM2.5	4	11	33	48	77	167
	4	5	7	13	26	91
	4	5	7	13	26	91
	5	7	13	26	91	91
Northwest Coastal LA County						
	4.00 Acres					
NOx	25	50	100	200	500	
CO	196	189	203	229	295	
PM10	1296	1728	2406	3909	9793	
PM2.5	11	33	48	77	167	
PM2.5	5	7	13	26	91	

Acre Below		Acre Above	
SRA No.	Acres	SRA No.	Acres
2	4	2	4
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction LSTs are based on the distance of grading activities to the nearest residential building. While the recreational uses to the west are considered sensitive receptors, these uses would primarily be occupied outside the hours when construction activities occur (e.g., weekday evenings and weekends). Furthermore, recreational receptors would be onsite for a short duration; and according to SCAQMD's LST methodology, criteria air pollutants with 24-hour averaging standard (PM10 and PM2.5, which are the main LSTs of concern) are not applicable.

Construction Localized Significance Thresholds - Residence

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)				
2	4.00	43	140				
Source Receptor Distance (meters)	Northwest Coastal LA County	Equipment	Acres/8-hr Day	Equipment Used	Hours of Operation	Acres	
	43	Tractors	0.5	5	8	2.5	
		Graders	0.5	0	0	0	
		Dozers	0.5	3	8	1.5	
		Scrapers	1	0	0	0	
	PM10						
	PM2.5				Acres	4.00	
	Acres	25	50	100	200	500	
NOx	4	196	189	203	229	295	
	4	196	189	203	229	295	
		196	189	203	229	295	
CO	4	1296	1728	2406	3909	9793	
	4	1296	1728	2406	3909	9793	
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	4	11	33	48	77	167	
		11	33	48	77	167	
PM2.5	4	5	7	13	26	91	
	4	5	7	13	26	91	
		5	7	13	26	91	
Northwest Coastal LA County							
4.00 Acres							
NOx	25	50	100	200	500		
	196	189	203	229	295		
CO	1296	1728	2406	3909	9793		
PM10	11	33	48	77	167		
PM2.5	5	7	13	26	91		

Acre Below		Acre Above	
SRA No.	Acres	SRA No.	Acres
2	4	2	4
Distance Increment Below			
25			
Distance Increment Above			
50			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction LSTs are based on the distance of grading activities to the nearest residential building. While the recreational uses to the west are considered sensitive receptors, these uses would primarily be occupied outside the hours when construction activities occur (e.g., weekday evenings and weekends). Furthermore, recreational receptors would be onsite for a short duration; and according to SCAQMD's LST methodology, criteria air pollutants with 24-hour averaging standard (PM10 and PM2.5, which are the main LSTs of concern) are not applicable.

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NOTE:

To print data frame (right side), click on right frame before printing.

1981 - 2010

- [Daily Temp. & Precip.](#)
 - [Daily Tabular data \(~23 KB\)](#)
 - [Monthly Tabular data \(~1 KB\)](#)
 - [NCDC 1981-2010 Normals \(~3 KB\)](#)
-

1971 - 2000

- [Daily Temp. & Precip.](#)
 - [Daily Tabular data \(~23 KB\)](#)
 - [Monthly Tabular data \(~1 KB\)](#)
 - [NCDC 1971-2000 Normals \(~3 KB\)](#)
-

1961 - 1990

- [Daily Temp. & Precip.](#)
 - [Daily Tabular data \(~23 KB\)](#)
 - [Monthly Tabular data \(~1 KB\)](#)
 - [NCDC 1961-1990 Normals \(~3 KB\)](#)
-

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Growing Degree Days

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 - [Monthly Total Base 40](#) (*)
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Period of Record Data Tables

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- [Monthly Tabular data \(~2 KB\)](#)

Daily Data

[Graph and Lister](#) (*)

[Lister](#) (*)

Monthly Data

[Custom Monthly Listing](#) (*)

Western Regional Climate Center,
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SANTA MONICA PIER, CALIFORNIA (047953)

Period of Record Monthly Climate Summary

Period of Record : 1/ 1/1937 to 9/30/2012

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Average Max. Temperature (F)	64.1	63.7	63.4	64.5	65.4	68.1	71.0	72.1	72.1	70.4	68.0	64.8	67.3
Average Min. Temperature (F)	49.2	49.9	50.9	52.9	55.6	58.4	61.2	62.2	61.4	58.2	53.6	49.7	55.3
Average Total Precipitation (in.)	2.69	3.01	2.03	0.73	0.17	0.03	0.02	0.08	0.15	0.33	1.36	2.04	12.62
Average Total SnowFall (in.)	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
Average Snow Depth (in.)	0	0	0	0	0	0	0	0	0	0	0	0	0

Percent of possible observations for period of record.

Max. Temp.: 93.1% Min. Temp.: 93.1% Precipitation: 94.3% Snowfall: 94.6% Snow Depth: 94.3%

Check [Station Metadata](#) or [Metadata graphics](#) for more detail about data completeness.

Western Regional Climate Center, wrcc@dri.edu