

## **APPENDIX D**

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# Air Quality and Greenhouse Gas Emission Estimates

- D.1 Criteria Pollutant Emissions
- D.2 Greenhouse Gas Emissions
- D.3 SCE Construction Emission Estimates

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# APPENDIX D.1

## Criteria Pollutant Emissions

## D.1. Criteria Pollutant Emissions

### All Construction Phases

Proposed Project Phase	Source	SCE Construction Emissions Estimates*						Emissions Adjusted with Up-to-Date Load Factors					
		ROG	NOx	Fugitive PM10	Exhaust PM10	Fugitive PM2.5	Exhaust PM2.5	ROG	NOx	Fugitive PM10	Exhaust PM10	Fugitive PM2.5	Exhaust PM2.5
	off-road	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0	0.00	0
Survey	on-road	0.15	1.93	0.24	0.04	0.01	0.04	0.15	1.93	0.24	0.04	0.01	0.04
LST Foundation Removal	off-road	2.59	19.81		0.91		0.91	1.7353	13.2727	0.00	0.6097	0.00	0.6097
	on-road	0.06	0.50	0.10	0.01	0.00	0.01	0.06	0.50	0.10	0.01	0.00	0.01
	off-road	2.30	18.02	0.00	0.68	0.00	0.68	1.541	12.0734	0.00	0.4556	0.00	0.4556
Marshalling Yards	on-road	0.06	0.50	0.10	0.01	0.00	0.01	0.06	0.50	0.10	0.01	0.00	0.01
	off-road	3.73	30.03	0.36	1.13	0.00	1.13	2.4991	20.1201	0.36	0.7571	0.00	0.7571
Wood Pole Removal	on-road	0.16	1.94	0.27	0.04	0.01	0.04	0.16	1.94	0.27	0.04	0.01	0.04
	off-road	2.85	23.30	0.05	0.98	0.00	0.98	1.9095	15.611	0.05	0.6566	0.00	0.6566
LST Removal	on-road	0.11	1.01	0.20	0.02	0.00	0.02	0.11	1.01	0.20	0.02	0.00	0.02
	off-road	3.98	31.73	0.00	1.17	0.00	1.17	2.6666	21.2591	0.00	0.7839	0.00	0.7839
Install TSP Foundations	on-road	0.07	0.51	0.13	0.01	0.00	0.01	0.07	0.51	0.13	0.01	0.00	0.01
	off-road	2.65	21.51	0.00	0.77	0.00	0.77	1.7755	14.4117	0.00	0.5159	0.00	0.5159
TSP Haul	on-road	0.09	0.98	0.15	0.02	0.00	0.02	0.09	0.98	0.15	0.02	0.00	0.02
	1.60	1.57	12.99	0.00	0.58	0.00	0.58	1.0519	8.7033	0.00	0.3886	0.00	0.3886
TSP Assembly	on-road	0.11	1.01	0.20	0.02	0.00	0.02	0.11	1.01	0.20	0.02	0.00	0.02
	off-road	2.59	21.75	0.00	0.83	0.00	0.83	1.7353	14.5725	0.00	0.5561	0.00	0.5561
TSP Erection	on-road	0.17	1.97	0.29	0.04	0.01	0.04	0.17	1.97	0.29	0.04	0.01	0.04
	off-road	2.65	21.51	0.00	0.77	0.00	0.77	1.7755	14.4117	0.00	0.5159	0.00	0.5159
LWS Pole Haul	on-road	0.09	0.98	0.15	0.02	0.00	0.02	0.09	0.98	0.15	0.02	0.00	0.02
	off-road	1.57	12.99	0.00	0.58	0.00	0.58	1.0519	8.7033	0.00	0.3886	0.00	0.3886
LWS Pole Assembly	on-road	0.17	1.97	0.29	0.04	0.01	0.04	0.17	1.97	0.29	0.04	0.01	0.04
	off-road	4.44	36.05	0.55	1.34	0.00	1.34	2.9748	24.1535	0.55	0.8978	0.00	0.8978
Install LWS Pole	on-road	0.10	0.99	0.18	0.02	0.00	0.02	0.10	0.99	0.18	0.02	0.00	0.02
	off-road	0.89	6.13	0.00	0.47	0.00	0.47	0.5963	4.1071	0.00	0.3149	0.00	0.3149
Substation Electrical MP	on-road	0.25	1.35	0.88	0.04	0.02	0.04	0.25	1.35	0.88	0.04	0.02	0.04
	off-road	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0	0.00	0
Substation Wiring MP	on-road	0.07	0.74	0.22	0.02	0.00	0.02	0.07	0.74	0.22	0.02	0.00	0.02
	off-road	1.14	7.11	0.00	0.63	0.00	0.63	0.7638	4.7637	0.00	0.4221	0.00	0.4221
Substation Testing/Maint MP	on-road	0.06	0.51	0.23	0.01	0.00	0.01	0.06	0.51	0.23	0.01	0.00	0.01
	off-road	0.89	6.13	0.00	0.47	0.00	0.47	0.5963	4.1071	0.00	0.3149	0.00	0.3149
Substation Electrical NB	on-road	0.25	1.35	0.45	0.04	0.02	0.04	0.25	1.35	0.45	0.04	0.02	0.04
	off-road	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0	0.00	0
Substation Wiring NB	on-road	0.16	2.40	0.27	0.05	0.01	0.05	0.16	2.40	0.27	0.05	0.01	0.05
	off-road	1.14	7.11	0.00	0.63	0.00	0.63	0.7638	4.7637	0.00	0.4221	0.00	0.4221
Substation Testing/Maint NB	on-road	0.06	0.51	0.12	0.01	0.00	0.01	0.06	0.51	0.12	0.01	0.00	0.01
	off-road	7.39	57.16	0.75	2.63	0.41	2.63	4.9513	38.2972	0.75	1.7621	0.41	1.7621
ROW Clearing	on-road	0.09	0.99	0.17	0.02	0.00	0.02	0.09	0.99	0.17	0.02	0.00	0.02
	off-road	4.43	35.98	0.00	1.35	0.00	1.35	2.9681	24.1066	0.00	0.9045	0.00	0.9045
Roads and Landing Work	on-road	0.09	0.99	0.17	0.02	0.00	0.02	0.09	0.99	0.17	0.02	0.00	0.02
	off-road	9.45	80.48	0.00	2.78	0.00	2.78	6.3315	53.9216	0.00	1.8626	0.00	1.8626
Remove Existing Conductor	on-road	0.15	1.04	0.28	0.02	0.01	0.02	0.15	1.04	0.28	0.02	0.01	0.02
	off-road	3.76	30.24	0.00	1.13	0.00	1.13	2.5192	20.2608	0.00	0.7571	0.00	0.7571
Guard Structure Installation	on-road	0.16	1.94	0.27	0.04	0.01	0.04	0.16	1.94	0.27	0.04	0.01	0.04
	off-road	15.57	127.78	0.09	4.43	0.00	4.43	10.4319	85.6126	0.09	2.9681	0.00	2.9681
Install Conductor	on-road	0.22	1.56	0.41	0.04	0.02	0.04	0.22	1.56	0.41	0.04	0.02	0.04
	off-road	3.45	27.67	0.00	1.05	0.00	1.05	2.3115	18.5389	0.00	0.7035	0.00	0.7035
Guard Structure Removal	on-road	0.28	3.86	0.47	0.09	0.02	0.09	0.28	3.86	0.47	0.09	0.02	0.09
	off-road	3.52	28.52	0.00	1.05	0.00	1.05	2.3584	19.1084	0.00	0.7035	0.00	0.7035
Restoration	on-road	0.11	1.00	0.19	0.02	0.00	0.02	0.11	1.00	0.19	0.02	0.00	0.02
	off-road	6.14	47.05	0.00	1.81	0.00	1.81	4.1138	31.5235	0.00	1.2127	0.00	1.2127
Duct Bank Installation	on-road	0.10	0.99	0.18	0.02	0.00	0.02	0.10	0.99	0.18	0.02	0.00	0.02
	off-road	5.94	48.95	0.00	1.70	0.00	1.70	3.9798	32.7965	0.00	1.139	0.00	1.139
UG Cable Installation	on-road	0.11	1.01	0.20	0.02	0.00	0.02	0.11	1.01	0.20	0.02	0.00	0.02
	off-road	4.59	34.45	0.00	1.26	0.00	1.26	3.0753	23.0815	0.00	0.8442	0.00	0.8442
Tree Trimming	on-road	0.03	0.03	0.07	0.00	0.00	0.00	0.03	0.03	0.07	0.00	0.00	0.00
Total		102.75	829.01	8.68	31.88	0.56	31.88	70.01	566.84	8.68	21.61	0.56	21.61
Maximum Day Emissions**		62.54	504.21	6.83	20.35	0.51	20.35	42.74	345.80	6.83	13.81	0.51	13.81

\*For SCE emission estimate calculations, refer to Appendix Section D.3

\*\*Construction phases that are included in the maximum day emissions scenario are shaded.

**Maximum Daily Construction Emissions Summary by Phase**

Proposed Project Phase	ROG	NOx	Exhaust PM10	Exhaust PM2.5	ROG	NOx	Exhaust PM10	Exhaust PM2.5
ROW Clearing	7.48	58.15	2.65	2.65	5.04	39.29	1.78	1.78
Marshalling Yards	2.36	18.52	0.69	0.69	1.60	12.57	0.47	0.47
Roads and Landing Work	4.52	36.97	1.37	1.37	3.06	25.10	0.92	0.92
Wood Pole Removal	3.89	31.97	1.17	1.17	2.66	22.06	0.80	0.80
Guard Structure Installation	3.92	32.18	1.17	1.17	2.68	22.20	0.80	0.80
Removal of Conductor from LST	9.60	81.52	2.80	2.80	6.48	54.96	1.88	1.88
LST Removal and Foundation Removal	5.61	44.62	1.92	1.92	3.81	30.39	1.30	1.30
TSP Foundation Installation, Hauling, Assembly, and Erection	11.23	92.45	3.44	3.44	7.67	63.42	2.33	2.33
LWS Pole Haul, Assembly, and Installation	9.02	74.49	2.77	2.77	6.16	51.21	1.88	1.88
Moorpark Substation, Electrical, Wiring, Testing/Maintenance Improvements	2.41	15.84	1.17	1.17	1.74	11.47	0.81	0.81
Newbury Park Substation, Electrical, Wiring, Testing/Maintenance Improvements	2.50	17.50	1.20	1.20	1.83	13.13	0.84	0.84
	62.54	504.21	20.35	20.35	42.74	345.80	13.81	13.81

## Proposed Project Operation and Maintenance Emissions

### On-Road Vehicle Emission Factors (grams per mile)

Vehicle Type (calendar year)	ROG	NOx	PM10*	PM2.5*
Light duty truck (2016)	0.0527	0.2052	0.0474	0.0202

\*PM10 and PM2.5 emission factors include tire and brake wear.

Vehicle emission factors were obtained from EMFAC2014 for Ventura County

Light duty gasoline truck = LDT1; average speed: 45 mph.

### Project Off-Site Vehicle Emissions (pounds/day)

Source (Vehicle Type)	Trips/day	miles/trip	ROG	NOx	PM10	PM2.5
Workers (Light-Duty Truck)	15	50	0.09	0.34	0.08	0.03
Total Emissions (pounds/day)			0.09	0.34	0.08	0.03

It is assumed that there would be 15 round trips per month (shown here to occur on a single day), Each round trip would be 50 miles.

### Emissions Factors for Helicopter

Type	Fuel Type	Units	ROG	NOx	PM10	PM2.5
Hughes 500 D Helicopter	Aviation Gasoline	pounds/36.47 minutes	0.858	0.082	0.027	0.027
		pounds/hour	1.412	0.135	0.044	0.044

Emission Factor Notes:

Emission factor obtained from the Emissions and Dispersion Modeling System (EDMS) 5.1.4.1.

Emission factors are based on a 36.47-minute rate associated with Landing Takeoff (LTO) that includes taxi out, takeoff, approach, landing roll, and taxi in.

### Helicopter Criteria Pollutant Emissions

Type	hours per day	ROG	NOx	PM10	PM2.5
Hours	6	8.47	0.81	0.27	0.27

### Total daily Operation Emissions (pounds/day)

Source	ROG	NOx	PM10	PM2.5
Light-duty trucks – maintenance and inspections	0.09	0.34	0.08	0.03
Helicopter - inspections	8.47	0.81	0.27	0.27
Total daily Operation Emissions (pounds/day)	8.56	1.15	0.35	0.3

**OFFROAD 2011 Adjusted Load Factors**

<b>EquipmentTypeID</b>	<b>Adj ARB LF</b>
A/C Tug Narrow Body	0.536
A/C Tug Wide Body	0.536
Baggage Tug	0.3685
Belt Loader	0.335
Bobtail	0.3685
Cargo Loader	0.335
Cargo Tractor	0.3618
Forklift (GSE)	0.201
Lift (GSE)	0.335
Other GSE	0.335
Bore/Drill Rigs	0.5025
Cranes	0.2881
Crawler Tractors	0.4288
Excavators	0.3819
Graders	0.4087
Off-Highway Tractors	0.4355
Off-Highway Trucks	0.3819
Other Construction Equipment	0.4154
Pavers	0.4154
Paving Equipment	0.3551
Rollers	0.3752
Rough Terrain Forklifts	0.402
Rubber Tired Dozers	0.3953
Rubber Tired Loaders	0.3618
Scrapers	0.4824
Skid Steer Loaders	0.3685
Surfacing Equipment	0.3015
Tractors/Loaders/Backhoes	0.3685
Trenchers	0.5025
Aerial Lifts	0.3082
Forklifts	0.201
Other General Industrial Equipment	0.3417
Other Material Handling Equipment	0.3953
Drill Rig (Mobile)	0.5025
Workover Rig (Mobile)	0.5025
Sweepers/Scrubbers	0.4556
Passenger Stand	0.3953

### No Project Alternative 2 Construction Emissions

Phase	Source	ROG	NOx	Exhaust PM10	Exhaust PM2.5
TSP Pole Removal <sup>1</sup>	off-road	4.56	37.69	1.46	1.46
	on-road	0.37	3.96	0.08	0.08
TSP Foundation and Slurry Removal <sup>2</sup>	off-road	1.74	13.27	0.61	0.61
	on-road	0.06	0.50	0.01	0.01
Removal of Conductor on LWS Poles <sup>3</sup>	off-road	6.33	53.92	1.86	1.86
	on-road	0.15	1.04	0.02	0.02
Removal of Infrastructure at Moorpark Substation - wiring <sup>4</sup>	off-road	0.00	0.00	0.00	0.00
	on-road	0.07	0.74	0.02	0.02
Removal of Infrastructure at Moorpark Substation - Civil <sup>5</sup>	off-road	4.11	31.52	1.21	1.21
	on-road	0.10	0.99	0.02	0.02
Removal of Electrical Infrastructure at Newbury Park Substation <sup>6</sup>	off-road	0.00	0.00	0.00	0.00
	on-road	0.16	2.40	0.05	0.05
Removal of Infrastructure at Newbury Substation - Civil <sup>7</sup>	off-road	4.11	31.52	1.21	1.21
	on-road	0.10	0.99	0.02	0.02
Roads and Landing Work <sup>8</sup>	off-road	2.97	24.11	0.90	0.90
	on-road	0.09	0.99	0.02	0.02
Marshalling Yard <sup>9</sup>	off-road	1.54	12.07	0.46	0.46
	on-road	0.06	0.50	0.01	0.01
Removal of Duct Bank and Vaults at Moorpark Substation <sup>10</sup>	off-road	4.11	31.52	1.21	1.21
	off-road	0.10	0.99	0.02	0.02
Total		30.74	248.73	0.00	0.00
Maximum Day Emissions*		26.53	216.22	7.97	7.97

\*Construction phases that are included in the maximum day emissions scenario are shaded.

Note: Emissions are based on similar phases associated with the Proposed Project; it is assumed that the similar phases would have the same daily emissions as the Proposed Project.

#### Assumptions:

<sup>1</sup> Same as proposed TSP pole haul + assembly + erection.

<sup>2</sup> Same as proposed LST foundation removal.

<sup>3</sup> Same as proposed removal of existing conductor.

<sup>4</sup> Same as proposed Moorpark Substation wiring.

<sup>5</sup> Same as proposed duct bank installation.

<sup>6</sup> Same as proposed Newbury Park Substation wiring.

<sup>7</sup> Same as proposed duct bank installation.

<sup>8</sup> Same as proposed road and landing work.

<sup>9</sup> Same as proposed Marshalling Yard.

<sup>10</sup> Same as proposed duct bank installation.



**No Project Alternative 2 - Maximum Day Emissions Summary Table**

Phase	ROG	NOx	PM10	PM2.5	Trips
TSP Pole Removal	4.93	41.65	1.54	1.54	20
TSP Foundation and Slurry Removal	1.80	13.77	0.62	0.62	4
Removal of Conductor on LWS Poles	6.48	54.96	1.88	1.88	14
Removal of Infrastructure at Moorpark Substation - wiring	0.07	0.74	0.02	0.02	3
Removal of Infrastructure at Moorpark Substation - Civil	4.21	32.51	1.23	1.23	6
Removal of Electrical Infrastructure at Newbury Park Substation	0.16	2.40	0.05	0.05	1
Removal of Infrastructure at Newbury Substation - Civil	4.21	32.51	1.23	1.23	6
Roads and Landing Work	3.06	25.10	0.92	0.92	5
Marshalling Yard	1.60	12.57	0.47	0.47	4
Total	26.53	216.22	7.97	7.97	63

## Helicopter Criteria Pollutant Construction Emissions

### Emissions Factors for Helicopter

Type	Fuel Type	Units	ROC	NOx	PM10	PM2.5
Hughes 500 D Helicopter	Aviation Gasoline	pounds/36.47 minutes	0.858	0.082	0.027	0.027
		pounds/hour	1.412	0.135	0.044	0.044

#### Emission Factor Notes:

Emission factor obtained from the Emissions and Dispersion Modeling System (EDMS) 5.1.4.1.

Emission factors are based on a 36.47-minute rate associated with Landing Takeoff (LTO) that includes taxi out, takeoff, approach, landing roll, and taxi in.

### Helicopter Criteria Pollutant Emissions

Type	hours per day	ROC	NOx	PM10	PM2.5
Hours	6	8.47	0.81	0.27	0.27

## **APPENDIX D.2**

# **Greenhouse Gas Emissions**

## D.2. Greenhouse Gas Construction Emissions Estimates

### Proposed Project

Proposed Project Phase	Source	GHG Emissions (CO <sub>2</sub> e) metric tons	
		PEA ESTIMATES*	REVISED WITH UP TO DATE LOAD FACTORS
Survey	off-road	0.00	0.00
	on-road	2.31	2.31
LST Foundation Removal	off-road	9.59	6.43
	on-road	0.49	0.49
Marshalling Yards	off-road	203.05	136.04
	on-road	10.66	10.66
Wood Pole Removal	off-road	2.10	1.41
	on-road	0.23	0.23
LST Removal	off-road	41.39	27.73
	on-road	3.93	3.93
Install TSP Foundations	off-road	72.00	48.24
	on-road	2.20	2.20
TSP Haul	off-road	9.30	6.23
	on-road	0.74	0.74
TSP Assembly	off-road	17.22	11.54
	on-road	3.08	3.08
TSP Erection	off-road	30.76	20.61
	on-road	5.44	5.44
LWS Pole Haul	off-road	1.55	1.04
	on-road	0.13	0.13
LWS Pole Assembly	off-road	0.78	0.52
	on-road	0.24	0.24
Install LWS Pole	off-road	2.71	1.82
	on-road	0.13	0.13
Substation Electrical MP	off-road	3.12	2.09
	on-road	2.38	2.38
Substation Wiring MP	off-road	0.00	0.00
	on-road	5.10	5.10
Substation Testing/Maint MP	off-road	11.48	7.69
	on-road	2.59	2.59
Substation Electrical NB	off-road	3.12	2.09
	on-road	2.38	2.38
Substation Wiring NB	off-road	0.00	0.00
	on-road	8.20	8.20
Substation Testing/Maint NB	off-road	0.33	0.22
	on-road	0.07	0.07
ROW Clearing	off-road	7.69	5.15
	on-road	0.25	0.25
Roads and Landing Work	off-road	15.29	10.24
	on-road	0.76	0.76

Proposed Project Phase	Source	GHG Emissions (CO <sub>2</sub> e) metric tons	
		PEA ESTIMATES*	REVISED WITH UP TO DATE LOAD FACTORS
Remove Existing Conductor	off-road	88.29	59.15
	on-road	2.48	2.48
Guard Structure Installation	off-road	6.89	4.62
	on-road	0.71	0.71
Install Conductor	off-road	914.29	612.57
	on-road	23.37	23.37
Guard Structure Removal	off-road	3.88	2.60
	on-road	0.91	0.91
Restoration	off-road	6.11	4.09
	on-road	0.41	0.41
Duct Bank Installation	off-road	7.11	4.76
	on-road	0.26	0.26
UG Cable Installation	off-road	18.37	12.31
	on-road	0.71	0.71
Tree Trimming	off-road	30.41	20.37
	on-road	0.25	0.25
Total Exhaust Emissions Total		1,587.24	1,089.99

\*See Appendix Section D.3 for SCE emissions estimate calculations.

Construction Emissions Source	CO <sub>2</sub> e (metric tons)
Total Exhaust Emissions Total	1,090
Indirect - Water Use	37
Helicopter Emissions	11
Total Construction Emissions	1,138
Amortized	37.93

**Indirect Water Usage Emissions**

**Project Water Demand**

12.1 Short-term construction demand (million gallons)

**Use and Emission Factors**

Water energy use factor\* (CEC, 2005)

10,200 kW-hr/million gallons

**Electricity use emission factors (TCR, 2014)**

Units	CO2	CH4	N2O
lbs/MW-hr	658.68	0.02894	0.00617

**Project Indirect Electricity Usage**

MW-hr/year 122.97633

**Indirect Emission Assoc. with Electricity Use (metric tons/year)**

	CO2	CH4	N2O	CO2e
Emissions	36.742	0.002	0.000	<b>36.885</b>

Notes: Global Warming Potential for CH4 = 25; GWP for N2O = 298.

Construction of the Proposed Project would require 37 acre-feet of water; there are 325851.43 gallons per acre-foot

\* Water energy use factor includes supply, conveyance, treatment, and distribution.

**References:**

California Energy Commission (CEC), 2005. California's Water - Energy Relationship Prepared in Support of the 2005 Integrated Energy Policy Report Proceeding (04-IEPR-01E), November 2005 (Table 1-3, page 11).

The Climate Registry (TCR), 2014, The Climate Registry Default Emission Factors, Table 14.1, released January 10, 2014.

**OFFROAD 2011 Adjusted Load Factors**

EquipmentTypeID	Adj ARB LF
A/C Tug Narrow Body	0.536
A/C Tug Wide Body	0.536
Baggage Tug	0.3685
Belt Loader	0.335
Bobtail	0.3685
Cargo Loader	0.335
Cargo Tractor	0.3618
Forklift (GSE)	0.201
Lift (GSE)	0.335
Other GSE	0.335
Bore/Drill Rigs	0.5025
Cranes	0.2881
Crawler Tractors	0.4288
Excavators	0.3819
Graders	0.4087
Off-Highway Tractors	0.4355
Off-Highway Trucks	0.3819
Other Construction Equipment	0.4154
Pavers	0.4154
Paving Equipment	0.3551
Rollers	0.3752
Rough Terrain Forklifts	0.402
Rubber Tired Dozers	0.3953
Rubber Tired Loaders	0.3618
Scrapers	0.4824
Skid Steer Loaders	0.3685
Surfacing Equipment	0.3015
Tractors/Loaders/Backhoes	0.3685
Trenchers	0.5025
Aerial Lifts	0.3082
Forklifts	0.201
Other General Industrial Equipment	0.3417
Other Material Handling Equipment	0.3953
Drill Rig (Mobile)	0.5025
Workover Rig (Mobile)	0.5025
Sweepers/Scrubbers	0.4556
Passenger Stand	0.3953

**Proposed Project Operation and Maintenance Emissions**

**On-Road Vehicle Emission Factors (grams per mile)**

Vehicle Type (calendar year)	CO2	CH4	N2O
Light duty truck (2016)	301.1671	0.2024	0.0022

CO2 emission factor (Pavley I+LCFS) is for light duty gasoline truck (LDT1) was obtained from EMFAC2014 for Ventura County; CH4 and N2O emission factors obtained from the The Climate Center 2014 Default Emission Factors, Table 13.4, uncontrolled gasoline light trucks.

**Project Off-Site Vehicle Emissions (metric tons/year)**

Source (Vehicle Type)	Trips/year	miles/trip	CO2	CH4	N2O	CO2e
Workers (Light-Duty Truck)	180	50	2.71	0.00	0.00	2.76

It is assumed that there would be 15 round trips per month, each round trip would be 50 miles.

**Emissions Factors for Helicopter**

Type	Fuel Type	Units	CO2	CH4	N2O
		pounds/ 44.49 minutes	121.421	0.1030	0.0016
Hughes 500 D Helicopter	Aviation Gasoline	pounds/ hour	199.760	0.1695	0.0026

Emission factors for CO2 obtained from the Emissions and Dispersion Modeling System (EDMS) 5.1.4.1. Emission factors for CH4 and N2O are based on ratios of TCR factors (see below) applied to the EDMS CO2 emission factor, which is based on a 36.47-minute rate associated with Landing Takeoff (LTO) that includes taxi out, takeoff, approach, landing roll, and taxi in.

**Emission Factors for Aviation Gasoline**

Units	CO2	CH4	N2O
grams/gallon	8,310	7.05	0.11
Ratio to CO2		0.00085	0.00001

Source: The Climate Registry 2014 Default Emission Factors, Tables 13.1 and 13.7.

**Helicopter GHG Operation Emissions**

Type	hours per day	Days	CO2	CH4	N2O	CO2e (metric tons)
Hours	6	1	0.54	0.00	0.00	0.56



**Annual Onsite Greenhouse Gas Emissions Due to Fugitive SF6**

SF6 for four 1,200 Amp circuit breakers (pounds)	SF6 GWP	Leak Factor	C02e metric tons
120	22,800	0.01	12.4

Sources: For pounds of SF6: SCE, 2013; for SF6 GWP: TCR, 2013, AR4.

For leak rate: U.S. Environmental Protection Agency (USEPA), 2006. SF6 Leak Rates from High Voltage Circuit Breakers – U.S. EPA Investigates Potential Greenhouse

Gas Emissions Source. IEEE Power Engineering Society General Meeting, Montreal, Quebec, Canada, June 2006

**No Project Alternative 2 Construction Emissions**

Phase/Source	Source	PP Emissions	Adjustment (NPA2/PP)	No Proj. Alt. 2 Emissions
TSP Pole Removal <sup>1</sup>	off-road	38.38	1.05	40.16
	on-road	9.26	1.05	9.69
TSP Foundation and Slurry Removal <sup>2</sup>	off-road	6.43	2.36	15.15
	on-road	0.49	2.36	1.16
Removal of Conductor on LWS Poles <sup>3</sup>	off-road	59.15	0.17	9.86
	on-road	2.48	0.17	0.41
Removal of Infrastructure at Moorpark Substation - wiring <sup>4</sup>	off-road	0.00	1.00	0.00
	on-road	5.10	1.00	5.10
Removal of Infrastructure at Moorpark Substation - Civil <sup>5</sup>	off-road	4.76	8.50	40.49
	on-road	0.26	8.50	2.21
Removal of Duct Bank and Vaults at Moorpark Substation <sup>6</sup>	off-road	4.76	2.60	12.39
	off-road	0.26	2.60	0.68
Removal of Electrical Infrastructure at Newbury Park Substation <sup>7</sup>	off-road	2.31	0.33	0.77
	on-road	10.65	0.33	3.55
Removal of Infrastructure at Newbury Substation - Civil <sup>8</sup>	off-road	4.76	3.00	14.29
	on-road	0.26	3.00	0.78
Roads and Landing Work <sup>9</sup>	off-road	10.24	1.00	10.24
	on-road	0.76	1.00	0.76
Marshalling Yard <sup>10</sup>	off-road	136.04	0.50	68.02
	on-road	8.52	1.00	8.52
Subtotal				244.23
Indirect Emissions - Electricity Associated with Water Use		36.89	0.50	18.44
Total				262.67
Amortized				8.76

Note: Emissions are based on similar phases associated with the Proposed Project adjusted to No Project Alternative 2 assumptions. No Proj. 2 (NP2) emissions = Proposed Project (PP) emissions \* (NP2/PP)

Assumptions:

1. [(proposed TSP pole haul + assembly + erection) \* (22.5/21.5)]. 22.5 TSPs would be removed compared to the 21.5 installed under the Proposed Project.
2. [(proposed LST foundation removal) \* (33/14)]. There would be 33 pole foundations/slurry removed, compared to 14 tower foundations removed under the Proposed Project.
3. [(proposed removal of existing conductor) \* (0.5/3)]. There would 0.5 mile of conductor removed, compared to 3 miles removed as part of the Proposed Project.
4. [(proposed MP substation wiring) \* (55/55)]. Wiring would take the same amount of days (55) as it took to previously wire infrastructure.
5. [(proposed duct bank installation) \* (17/2)] It is assumed that 17 days required to remove foundations, etc. (based on previous civil work), compared to two days for duct bank installation under the Proposed Project.
6. [((proposed duct bank installation) \* (700/500)) + (proposed duct bank installation \* (6/5))]. 700 feet of duct bank would be removed compared to 500 feet that would be installed under Proposed Project and 6 days of vault removal (based on previous vault installation) compared to 5 days of proposed duct bank installation.
7. [(proposed NP substation wiring) \* (10/30)]. Assumed 10 days of wiring (based on previous wiring) compared to 30 days wiring under Proposed Project
8. [(proposed duct bank installation) \* (6/2)] It is assumed that 6 days required to remove foundations, etc. (based on previous civil), compared to two days for duct bank installation under the Proposed Project.
9. [(proposed road and landing work) \* (1)]
10. [(proposed Marshalling Yard) \* (0.5)]. It is assumed that marshalling yard activities would occur for approximately half the time that they would occur under the Proposed Project.

## Helicopter GHG Emissions

### Emissions Factors for Helicopter

Type	Fuel Type	Units	CO2	CH4	N2O
Huges 500 D Helicopter	Aviation Gasoline	pounds/36.47 minutes	121.421	0.1030	0.0016
		pounds/hour	199.760	0.1695	0.0026

Emission factors for CO2 obtained from the Emissions and Dispersion Modeling System (EDMS) 5.1.4.1. Emission factors for CH4 and N2O are based on ratios of TCR factors (see below) applied to the EDMS CO2 emission factor, which is based on a 36.47-minute rate associated with Landing Takeoff (LTO) that includes taxi out, takeoff, approach, landing roll, and taxi in.

### Emission Factors for Aviation Gasoline

Units	CO2	CH4	N2O
grams/gallon	8310	7.05	0.11
Ratio to CO2		0.00085	0.00001

Source: The Climate Registry 2014 Default Emission Factors, Tables 13.1 and 13.7.

### Helicopter GHG Emissions (metric tons/year)

Type	hours per day	Days	CO2	CH4	N2O	CO2e (metric tons)
Hours	6	20	10.87	0.01	0.00	11.15

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## **APPENDIX D.3**

# **SCE Construction Emission Estimates**

## tblConstructionPhase

Phase Name	Phase Type	Phase Start Date	Phase End Date	Num Days Week	Num Days	Phase Description
Future Survey	Site Preparation	2014/01/01	2014/01/14	5	10	Future Phase 01
Future Marshalling Yards	Site Preparation	2014/01/15	2014/08/14	5	152	Future Phase 02
Future ROW Clearing	Grading	2014/01/15	2014/01/16	5	2	Future Phase 03
Future Roads and Landing Work	Grading	2014/01/15	2014/01/22	5	6	Future Phase 04
Future Guard Structure Installation	Building Construction	2014/01/15	2014/01/17	5	3	Future Phase 05
Future Remove Existing Conductor	Trenching	2014/01/15	2014/02/04	5	15	Future Phase 06
Future Wood Pole Removal	Site Preparation	2014/01/15	2014/01/15	5	1	Future Phase 07
Future LST Removal	Site Preparation	2014/01/15	2014/02/21	5	28	Future Phase 08
Future LST Foundation Removal	Demolition	2014/01/15	2014/01/23	5	7	Future Phase 09
Future Install TSP Foundations	Site Preparation	2014/01/15	2014/02/21	5	28	Future Phase 10
Future TSP Haul	Site Preparation	2014/01/15	2014/01/22	5	6	Future Phase 11
Future TSP Assembly	Site Preparation	2014/01/15	2014/02/13	5	22	Future Phase 12
Future TSP Erection	Site Preparation	2014/01/15	2014/02/13	5	22	Future Phase 13
Future LWS Pole Haul	Site Preparation	2014/01/15	2014/01/15	5	1	Future Phase 14
Future LWS Pole Assembly	Site Preparation	2014/01/15	2014/01/15	5	1	Future Phase 15
Future Instal LWS Pole	Site Preparation	2014/01/15	2014/01/15	5	1	Future Phase 16
Future Install Conductor	Site Preparation	2014/03/18	2014/07/29	5	96	Future Phase 17
Future Guard Structure Removal	Demolition	2014/07/30	2014/07/31	5	2	Future Phase 18
Future Restoration	Site Preparation	2014/07/30	2014/08/01	5	3	Future Phase 19
Future Duct Bank Installation	Site Preparation	2014/07/30	2014/07/31	5	2	Future Phase 20
Future UG Cable Installation	Site Preparation	2014/07/30	2014/08/05	5	5	Future Phase 21
Future Tree Trimming	Site Preparation	2014/07/30	2014/08/14	5	12	Future Phase 22
Future Sub Electrical MP	Site Preparation	2014/01/15	2014/01/28	5	10	Future Phase SS1
Future Sub Wiring MP	Site Preparation	2014/01/15	2014/04/01	5	55	Future Phase SS2
Future Sub Test/Maint MP	Site Preparation	2014/01/15	2014/03/04	5	35	Future Phase SS3
Future Sub Electrical NB	Site Preparation	2014/01/15	2014/01/28	5	10	Future Phase SS4
Future Sub Wiring NB	Site Preparation	2014/01/15	2014/02/25	5	30	Future Phase SS5
Future Sub Test/Maint NB	Site Preparation	2014/01/15	2014/01/15	5	35	Future Phase SS6
Previous Survey	Site Preparation	2010/10/01	2010/10/13	5	9	Previous Phase 01
Previous ROW Clearing	Grading	2010/10/14	2010/10/19	5	4	Previous Phase 02
Previous Tree Trimming and Removal	Building Construction	2010/10/14	2010/11/22	5	28	Previous Phase 03
Previous Roads and Landing Work	Grading	2010/10/14	2010/11/22	5	28	Previous Phase 04
Previous Install TSP Foundation	Site Preparation	2010/10/14	2011/01/07	5	62	Previous Phase 05
Previous Drill&Fill TSP Foundation	Site Preparation	2010/10/14	2010/10/21	5	6	Previous Phase 06
Previous TSP Haul	Site Preparation	2010/10/14	2010/10/21	5	6	Previous Phase 07
Previous TSP Assembly	Site Preparation	2010/10/14	2010/11/12	5	22	Previous Phase 08
Previous TSP Erection	Site Preparation	2010/10/14	2010/11/15	5	23	Previous Phase 09
Previous Vault Installation	Site Preparation	2010/10/14	2010/10/21	5	6	Previous Phase 10
Previous Duct Bank Installation	Site Preparation	2010/10/14	2010/10/18	5	3	Previous Phase 11
Previous Wood Pole Removal	Site Preparation	2010/10/14	2010/10/19	5	4	Previous Phase 12
Previous LWS Pole Haul	Site Preparation	2010/10/14	2010/11/02	5	14	Previous Phase 13
Previous LWS Pole Assembly	Site Preparation	2010/10/14	2010/11/02	5	14	Previous Phase 14
Previous Instal LWS Pole	Site Preparation	2010/10/14	2010/11/02	5	14	Previous Phase 15
Previous Install Conductor	Site Preparation	2011/01/08	2011/01/13	5	4	Previous Phase 16
Previous Restoration	Site Preparation	2011/01/14	2011/01/17	5	2	Previous Phase 17
Previous Sub Civil MP	Site Preparation	2010/10/14	2010/11/05	5	17	Previous Phase SS1
Previous Sub Wiring MP	Site Preparation	2010/10/14	2010/12/29	5	55	Previous Phase SS2
Previous Sub Civil NB	Site Preparation	2010/10/14	2010/10/21	5	6	Previous Phase SS3
Previous Sub Wiring NB	Site Preparation	2010/10/14	2010/10/27	5	10	Previous Phase SS4

## tblOffRoadEquipment

Phase Name	OffRoad Equipment Type	OffRoad			
		Equipment Unit	Usage Hours	Horse Power	Load Factor
Previous Wood Pole Removal	Air Compressors	1	4	60	0.48
Previous Wood Pole Removal	Cranes	1	6	350	0.43
Previous Wood Pole Removal	Off-Highway Trucks	1	6	250	0.57
Previous Wood Pole Removal	Off-Highway Trucks	1	8	400	0.57
Previous LWS Pole Haul	Cranes	1	6	350	0.43
Previous LWS Pole Haul	Off-Highway Trucks	1	8	400	0.57
Previous LWS Pole Assembly	Air Compressors	1	6	60	0.48
Previous LWS Pole Assembly	Cranes	1	8	350	0.43
Previous Instal LWS Pole	Bore/Drill Rigs	1	4	210	0.75
Previous Instal LWS Pole	Cranes	1	6	350	0.43
Previous Instal LWS Pole	Off-Highway Trucks	1	6	250	0.57
Previous Instal LWS Pole	Off-Highway Trucks	1	8	400	0.57
Previous Instal LWS Pole	Tractors/Loaders/Back	1	8	125	0.55
Previous Install TSP Foundation	Bore/Drill Rigs	1	6	210	0.75
Previous Install TSP Foundation	Cranes	1	4	350	0.43
Previous Install TSP Foundation	Off-Highway Trucks	1	8	300	0.57
Previous Install TSP Foundation	Off-Highway Trucks	1	4	350	0.57
Previous Install TSP Foundation	Off-Highway Trucks	1	2	350	0.57
Previous Install TSP Foundation	Tractors/Loaders/Back	1	6	125	0.55
Previous Drill&Fill TSP	Aerial Lifts	2	6	75	0.46
Previous Drill&Fill TSP	Forklifts	1	6	75	0.3
Previous Drill&Fill TSP	Off-Highway Trucks	1	6	100	0.57
Previous TSP Assembly	Aerial Lifts	2	8	75	0.46
Previous TSP Erection	Graders	1	6	250	0.61
Previous TSP Erection	Off-Highway Trucks	1	4	450	0.57
Previous TSP Erection	Off-Highway Trucks	1	8	300	0.57
Previous TSP Erection	Off-Highway Trucks	1	8	300	0.57
Previous TSP Erection	Tractors/Loaders/Back	1	6	125	0.55
Previous TSP Erection	Tractors/Loaders/Back	1	6	150	0.55
Previous Vault Installation	Air Compressors	1	4	60	0.48
Previous Vault Installation	Cranes	1	6	350	0.43
Previous Vault Installation	Excavators	1	4	250	0.57
Previous Vault Installation	Graders	1	6	250	0.61
Previous Vault Installation	Off-Highway Trucks	1	6	250	0.57
Previous Vault Installation	Off-Highway Trucks	1	8	400	0.57
Previous Vault Installation	Off-Highway Trucks	1	4	450	0.57
Previous Vault Installation	Off-Highway Trucks	1	8	300	0.57
Previous Vault Installation	Plate Compactors	1	6	100	0.43
Previous Vault Installation	Tractors/Loaders/Back	1	4	125	0.55
Previous Vault Installation	Tractors/Loaders/Back	1	4	150	0.55
Previous Duct Bank Installation	Bore/Drill Rigs	1	4	210	0.75
Previous Duct Bank Installation	Cranes	1	6	350	0.43
Previous Duct Bank Installation	Cranes	2	8	350	0.43
Previous Duct Bank Installation	Graders	1	8	162	0.61
Previous Duct Bank Installation	Off-Highway Trucks	1	6	250	0.57
Previous Duct Bank Installation	Off-Highway Trucks	1	8	400	0.57
Previous Duct Bank Installation	Off-Highway Trucks	2	8	250	0.57

## tblOffRoadEquipment

Phase Name	OffRoad Equipment Type	OffRoad			
		Equipment Unit	Usage Hours	Horse Power	Load Factor
Previous Duct Bank Installation	Off-Highway Trucks	1	6	350	0.57
Previous Duct Bank Installation	Off-Highway Trucks	2	4	450	0.57
Previous Duct Bank Installation	Other Construction				
	Equipment	1	6	350	0.62
Previous Duct Bank Installation	Equipment	1	6	300	0.62
Previous Duct Bank Installation	Tractors/Loaders/Back	1	8	125	0.55
Previous ROW Clearing	Graders	1	6	250	0.61
Previous ROW Clearing	Off-Highway Trucks	1	4	450	0.57
Previous ROW Clearing	Off-Highway Trucks	1	8	300	0.57
Previous ROW Clearing	Rubber Tired Dozers	1	6	150	0.55
Previous ROW Clearing	Tractors/Loaders/Back	1	6	100	0.59
Previous ROW Clearing	Tractors/Loaders/Back	1	6	125	0.55
Previous Roads and Landing	Excavators	1	4	250	0.57
Previous Roads and Landing	Graders	1	6	250	0.61
Previous Roads and Landing	Off-Highway Trucks	1	4	450	0.57
Previous Roads and Landing	Off-Highway Trucks	1	8	300	0.57
Previous Roads and Landing	Plate Compactors	1	6	100	0.43
Previous Roads and Landing	Rubber Tired Dozers	1	4	150	0.59
Previous Roads and Landing	Tractors/Loaders/Back	1	4	125	0.55
Previous Tree Trimming and	Off-Highway Trucks	1	8	380	0.57
Previous Tree Trimming and	Off-Highway Trucks	1	8	300	0.57
Previous Tree Trimming and	Off-Highway Trucks	1	8	50	0.57
Previous Tree Trimming and Removal	Other Construction				
	Equipment	1	4	25	0.62
Previous Tree Trimming and Removal	Other Construction				
	Equipment	1	6	50	0.62
Previous Tree Trimming and	Tractors/Loaders/Back	2	8	75	0.55
Previous Install Conductor	Cranes	1	8	350	0.43
Previous Install Conductor	Off-Highway Trucks	4	8	250	0.57
Previous Install Conductor	Off-Highway Trucks	1	2	350	0.57
Previous Install Conductor	Off-Highway Trucks	2	6	350	0.57
Previous Install Conductor	Off-Highway Trucks	1	6	350	0.57
Previous Install Conductor	Off-Highway Trucks	2	4	450	0.57
Previous Install Conductor	Off-Highway Trucks	1	6	400	0.57
Previous Install Conductor	Off-Highway Trucks	1	6	300	0.57
	Other Construction				
Previous Install Conductor	Equipment	1	6	300	0.62
	Other Construction				
Previous Install Conductor	Equipment	1	6	350	0.62
Previous Install Conductor	Tractors/Loaders/Back	1	2	125	0.55
Previous Restoration	Graders	1	6	250	0.61
Previous Restoration	Off-Highway Trucks	1	8	300	0.57
Previous Restoration	Off-Highway Trucks	1	4	450	0.57
Previous Restoration	Plate Compactors	1	4	100	0.43
Previous Restoration	Tractors/Loaders/Back	1	4	125	0.55
Future LST Foundation Removal	Air Compressors	1	8	60	0.48



## tblOffRoadEquipment

Phase Name	OffRoad Equipment Type	OffRoad			
		Equipment Unit	Usage Hours	Horse Power	Load Factor
Future LST Foundation Removal	Excavators	1	4	250	0.57
Future LST Foundation Removal	Off-Highway Trucks	1	6	350	0.57
Future LST Foundation Removal	Tractors/Loaders/Back	1	6	125	0.55
Future Marshalling Yards	Cranes	1	2	350	0.43
Future Marshalling Yards	Forklifts	1	6	125	0.3
Future Marshalling Yards	Off-Highway Trucks	1	8	300	0.57
Future Marshalling Yards	Off-Highway Trucks	1	2	400	0.57
Future Wood Pole Removal	Air Compressors	1	4	60	0.48
Future Wood Pole Removal	Cranes	1	6	350	0.43
Future Wood Pole Removal	Off-Highway Trucks	1	6	250	0.57
Future Wood Pole Removal	Off-Highway Trucks	1	8	400	0.57
Future LST Removal	Air Compressors	1	8	60	0.48
Future LST Removal	Cranes	1	6	215	0.43
Future LST Removal	Cranes	1	6	350	0.43
Future LST Removal	Off-Highway Trucks	1	4	400	0.57
Future Install TSP Foundations	Bore/Drill Rigs	1	6	210	0.75
Future Install TSP Foundations	Cranes	1	4	350	0.43
Future Install TSP Foundations	Off-Highway Trucks	1	8	300	0.57
Future Install TSP Foundations	Off-Highway Trucks	1	4	350	0.57
Future Install TSP Foundations	Off-Highway Trucks	1	2	350	0.57
Future Install TSP Foundations	Tractors/Loaders/Back	1	6	125	0.55
Future TSP Haul	Cranes	1	6	350	0.43
Future TSP Haul	Off-Highway Trucks	1	8	400	0.57
Future TSP Assembly	Air Compressors	1	6	60	0.48
Future TSP Assembly	Cranes	1	8	350	0.43
Future TSP Erection	Air Compressors	1	4	60	0.48
Future TSP Erection	Cranes	1	8	350	0.43
Future TSP Erection	Off-Highway Trucks	1	8	250	0.57
Future LWS Pole Haul	Cranes	1	6	350	0.43
Future LWS Pole Haul	Off-Highway Trucks	1	8	400	0.57
Future LWS Pole Assembly	Air Compressors	1	6	60	0.48
Future LWS Pole Assembly	Cranes	1	8	350	0.43
Future Instal LWS Pole	Bore/Drill Rigs	1	4	210	0.75
Future Instal LWS Pole	Cranes	1	6	350	0.43
Future Instal LWS Pole	Off-Highway Trucks	1	6	250	0.57
Future Instal LWS Pole	Off-Highway Trucks	1	8	400	0.57
Future Instal LWS Pole	Tractors/Loaders/Back	1	8	125	0.55
Future Sub Electrical MP	Aerial Lifts	2	6	75	0.46
Future Sub Electrical MP	Forklifts	1	6	75	0.3
Future Sub Electrical MP	Off-Highway Trucks	1	8	100	0.57
Future Sub Test/Maint MP	Air Compressors	2	8	75	0.48
Future Sub Electrical NB	Aerial Lifts	2	6	75	0.46
Future Sub Electrical NB	Forklifts	1	6	75	0.3
Future Sub Electrical NB	Off-Highway Trucks	1	8	100	0.57
Future Sub Test/Maint NB	Air Compressors	2	8	75	0.48
Future ROW Clearing	Concrete/Industrial	1	8	81	0.73
Future ROW Clearing	Graders	1	6	250	0.61

## tblOffRoadEquipment

Phase Name	OffRoad Equipment Type	OffRoad			
		Equipment Unit Amount	Usage Hours	Horse Power	Load Factor
Future ROW Clearing	Off-Highway Trucks	1	4	450	0.57
Future ROW Clearing	Off-Highway Trucks	1	8	300	0.57
Future ROW Clearing	Off-Highway Trucks	1	8	300	0.57
Future ROW Clearing	Rubber Tired Dozers	1	1	358	0.59
Future ROW Clearing	Tractors/Loaders/Back	2	6	75	0.55
Future ROW Clearing	Tractors/Loaders/Back	1	6	125	0.55
Future ROW Clearing	Tractors/Loaders/Back	1	6	150	0.55
Future Roads and Landing Work	Excavators	1	4	250	0.57
Future Roads and Landing Work	Graders	1	6	250	0.61
Future Roads and Landing Work	Off-Highway Trucks	1	4	450	0.57
Future Roads and Landing Work	Off-Highway Trucks	1	8	300	0.57
Future Roads and Landing Work	Plate Compactors	1	6	100	0.43
Future Roads and Landing Work	Tractors/Loaders/Back	1	4	125	0.55
Future Roads and Landing Work	Tractors/Loaders/Back	1	4	150	0.55
Future Remove Existing	Cranes	2	8	350	0.43
Future Remove Existing	Off-Highway Trucks	2	8	250	0.57
Future Remove Existing	Off-Highway Trucks	1	6	350	0.57
Future Remove Existing	Off-Highway Trucks	2	4	450	0.57
Future Remove Existing	Other Construction				
Conductor	Equipment	1	6	350	0.62
Future Remove Existing	Other Construction				
Conductor	Equipment	1	6	300	0.62
Future Guard Structure	Air Compressors	1	4	60	0.48
Future Guard Structure	Bore/Drill Rigs	1	4	210	0.75
Future Guard Structure	Cranes	1	6	350	0.43
Future Guard Structure	Off-Highway Trucks	1	4	250	0.57
Future Guard Structure	Off-Highway Trucks	1	8	400	0.57
Future Install Conductor	Cranes	1	8	350	0.43
Future Install Conductor	Off-Highway Trucks	4	8	250	0.57
Future Install Conductor	Off-Highway Trucks	1	2	350	0.57
Future Install Conductor	Off-Highway Trucks	2	6	350	0.57
Future Install Conductor	Off-Highway Trucks	1	6	350	0.57
Future Install Conductor	Off-Highway Trucks	2	4	450	0.57
Future Install Conductor	Off-Highway Trucks	1	6	400	0.57
Future Install Conductor	Off-Highway Trucks	1	6	300	0.57
Future Install Conductor	Other Construction				
Future Install Conductor	Equipment	1	6	300	0.62
Future Install Conductor	Other Construction				
Future Install Conductor	Equipment	1	6	350	0.62
Future Install Conductor	Tractors/Loaders/Back	1	2	125	0.55
Future Guard Structure Removal	Air Compressors	1	4	60	0.48
Future Guard Structure Removal	Cranes	1	6	350	0.43
Future Guard Structure Removal	Off-Highway Trucks	1	4	250	0.57
Future Guard Structure Removal	Off-Highway Trucks	1	8	400	0.57
Future Restoration	Graders	1	6	250	0.61
Future Restoration	Off-Highway Trucks	1	8	300	0.57
Future Restoration	Off-Highway Trucks	1	4	450	0.57

## tblOffRoadEquipment

<b>Phase Name</b>	<b>OffRoad Equipment Type</b>	<b>OffRoad Equipment Unit Amount</b>	<b>Usage Hours</b>	<b>Horse Power</b>	<b>Load Factor</b>
Future Restoration	Plate Compactors	1	4	100	0.43
Future Restoration	Tractors/Loaders/Back	1	4	125	0.55
Future Duct Bank Installation	Air Compressors	1	4	60	0.48
Future Duct Bank Installation	Cement and Mortar	3	2	350	0.56
Future Duct Bank Installation	Off-Highway Trucks	2	6	350	0.57
Future Duct Bank Installation	Off-Highway Trucks	1	6	275	0.57
Future Duct Bank Installation	Off-Highway Trucks	1	8	300	0.57
Future Duct Bank Installation	Off-Highway Trucks	1	4	450	0.57
Future Duct Bank Installation	Tractors/Loaders/Back	1	6	125	0.55
Future UG Cable Installation	Cranes	1	6	350	0.43
Future UG Cable Installation	Off-Highway Trucks	1	6	250	0.57
Future UG Cable Installation	Off-Highway Trucks	2	6	350	0.57
Future UG Cable Installation	Off-Highway Trucks	1	6	350	0.57
Future UG Cable Installation	Other Construction Equipment	1	6	300	0.62
Future Tree Trimming	Off-Highway Trucks	1	8	380	0.57
Future Tree Trimming	Off-Highway Trucks	1	8	300	0.57
Future Tree Trimming	Off-Highway Trucks	1	8	250	0.57
Future Tree Trimming	Other Construction Equipment	1	4	50	0.62
Future Tree Trimming	Other Construction Equipment	1	6	25	0.62

## tblTripsAndVMT

<b>Phase Name</b>	<b>Worker Trip Number</b>	<b>Vendor Trip Number</b>	<b>Worker Trip Length</b>	<b>Vendor Trip Length</b>	<b>Worker Vehicle Class</b>	<b>Vendor Vehicle Class</b>
Previous Survey	4	2	10.8	40	LD_Mix	MHDT
Previous Wood Pole Removal	6	2	10.8	80	LD_Mix	MHDT
Previous LWS Pole Haul	4	1	10.8	80	LD_Mix	MHDT
Previous LWS Pole Assembly	8	2	10.8	40	LD_Mix	MHDT
Previous Instal LWS Pole	6	1	10.8	80	LD_Mix	MHDT
Previous Sub Civil MP	1	5	10.8	20	LD_Mix	MHDT
Previous Sub Wiring MP	3	3	10.8	20	LD_Mix	MHDT
Previous Install TSP Foundation	6	1	10.8	40	LD_Mix	MHDT
Previous Drill&Fill TSP Foundation	6	1	10.8	40	LD_Mix	MHDT
Previous TSP Haul	4	1	10.8	80	LD_Mix	MHDT
Previous TSP Assembly	8	4	10.8	40	LD_Mix	MHDT
Previous TSP Erection	8	2	10.8	80	LD_Mix	MHDT
Previous Vault Installation	6	2	10.8	40	LD_Mix	MHDT
Previous Duct Bank Installation	6	2	10.8	40	LD_Mix	MHDT
Previous Sub Civil NB	3	8	10.8	20	LD_Mix	MHDT
Previous Sub Wiring NB	1	2	10.8	20	LD_Mix	MHDT
Previous ROW Clearing	5	1	10.8	80	LD_Mix	MHDT
Previous Roads and Landing Work	5	2	10.8	70	LD_Mix	MHDT
Previous Tree Trimming and Remo	5	0	10.8	80	LD_Mix	MHDT
Previous Install Conductor	20	3	10.8	40	LD_Mix	MHDT
Previous Restoration	7	2	10.8	40	LD_Mix	MHDT
Future Survey	4	2	10.8	80	LD_Mix	MHDT
Future LST Foundation Removal	4	1	10.8	40	LD_Mix	MHDT
Future Marshalling Yards	4	1	10.8	40	LD_Mix	MHDT
Future Wood Pole Removal	6	2	10.8	80	LD_Mix	MHDT
Future LST Removal	8	2	10.8	40	LD_Mix	MHDT
Future Install TSP Foundations	6	1	10.8	40	LD_Mix	MHDT
Future TSP Haul	4	1	10.8	80	LD_Mix	MHDT
Future TSP Assembly	8	1	10.8	80	LD_Mix	MHDT
Future TSP Erection	8	4	10.8	40	LD_Mix	MHDT
Future LWS Pole Haul	4	1	10.8	80	LD_Mix	MHDT
Future LWS Pole Assembly	8	4	10.8	40	LD_Mix	MHDT
Future Instal LWS Pole	6	1	10.8	80	LD_Mix	MHDT
Future Sub Electrical MP	25	5	10.8	20	LD_Mix	MHDT
Future Sub Wiring MP	3	3	10.8	20	LD_Mix	MHDT
Future Sub Test/Maint MP	5	2	10.8	20	LD_Mix	MHDT
Future Sub Electrical NB	25	5	10.8	20	LD_Mix	MHDT
Future Sub Wiring NB	2	2	10.8	100	LD_Mix	MHDT
Future Sub Test/Maint NB	5	2	10.8	20	LD_Mix	MHDT
Future ROW Clearing	5	1	10.8	80	LD_Mix	MHDT
Future Roads and Landing Work	5	1	10.8	80	LD_Mix	MHDT
Future Remove Existing Conductor	14	2	10.8	40	LD_Mix	MHDT
Future Guard Structure Installation	6	2	10.8	80	LD_Mix	MHDT
Future Install Conductor	20	3	10.8	40	LD_Mix	MHDT
Future Guard Structure Removal	6	4	10.8	80	LD_Mix	MHDT
Future Restoration	7	2	10.8	40	LD_Mix	MHDT
Future Duct Bank Installation	6	2	10.8	40	LD_Mix	MHDT
Future UG Cable Installation	8	2	10.8	40	LD_Mix	MHDT

tblTripsAndVMT

Future Tree Trimming	5	0	10.8	7.3 LD_Mix	HDT_Mix
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## tblGrading

<b>Phase Name</b>	<b>Acres Of Grading</b>	<b>Material Silt Content</b>
Previous Survey	0	6.9
Previous Wood Pole Removal	1.49	6.9
Previous LWS Pole Haul	0	6.9
Previous LWS Pole Assembly	0	6.9
Previous Instal LWS Pole	6.71	6.9
Previous Sub Civil MP	0	6.9
Previous Sub Wiring MP	0	6.9
Previous Install TSP Foundation	30.3	6.9
Previous Drill&Fill TSP Foundation	0	6.9
Previous TSP Haul	0	6.9
Previous TSP Assembly	0	6.9
Previous TSP Erection	0	6.9
Previous Vault Installation	0	6.9
Previous Duct Bank Installation	0	6.9
Previous Sub Civil NB	0	6.9
Previous Sub Wiring NB	0	6.9
Previous ROW Clearing	0	6.9
Previous Roads and Landing Work	0	6.9
Previous Install Conductor	8.03	6.9
Previous Restoration	0	6.9
Future Survey	0	6.9
Future Marshalling Yards	0	6.9
Future Wood Pole Removal	0.34	6.9
Future LST Removal	1.21	6.9
Future Install TSP Foundations	0	6.9
Future TSP Haul	0	6.9
Future TSP Assembly	0	6.9
Future TSP Erection	0	6.9
Future LWS Pole Haul	0	6.9
Future LWS Pole Assembly	0	6.9
Future Instal LWS Pole	0.52	6.9
Future Sub Electrical MP	0	6.9
Future Sub Wiring MP	0	6.9
Future Sub Test/Maint MP	0	6.9
Future Sub Electrical NB	0	6.9
Future Sub Wiring NB	0	6.9
Future Sub Test/Maint NB	0	6.9
Future ROW Clearing	0	6.9
Future Roads and Landing Work	0	6.9
Future Install Conductor	8.03	6.9
Future Restoration	0	6.9
Future Duct Bank Installation	0	6.9
Future UG Cable Installation	0	6.9
Future Tree Trimming	0	6.9

**Moorpark-Newbury Single-Circuit 66 kv T/L**  
Ventura County, Winter

**1.0 Project**

**1.1 Land Usage**

Land Uses	Size	Metric
User Defined Industrial	0	User Defined Unit

**1.2 Other Project**

Urbanization	Urban	Wind Speed (m/s)	Utility	Southern California Edison
Climate Zone	8	2.6	Comp	
		Precipitation Freq (Days)		

**2.0 Emissions Summary**

**2.1 Overall Construction (Maximum Daily Emission)**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Total CO2	CH4	N2O	CO2e
Year	lb/day								lb/day			
2010	78.91	726.64	22.49	29.79	52.28	8.41	29.79	38.20	0.00	6.93	0.00	82,077.39
2011	18.30	171.97	3.71	6.16	9.87	0.02	6.16	6.18	0.00	1.62	0.00	21,552.90
2014	62.57	504.24	6.82	20.40	27.22	0.60	20.40	21.00	0.00	5.45	0.00	81,021.55
<b>Total</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>

**3.0 Construction Detail**

**3.2 Previous Survey - 2010**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>		<b>0.00</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Total CO2	CH4	N2O	CO2e
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**Moorpark-Newbury Single-Circuit 66 kv T/L**  
**Ventura County, Winter**

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
Vendor	0.08	1.45	0.19	0.03	0.22	0.00	0.03	0.03	0.00			234.77
Worker	0.04	0.03	0.10	0.00	0.10	0.00	0.00	0.00	0.00			39.05
<b>Total</b>	<b>0.12</b>	<b>1.48</b>	<b>0.29</b>	<b>0.03</b>	<b>0.32</b>	<b>0.00</b>	<b>0.03</b>	<b>0.03</b>	<b>0.00</b>			<b>273.82</b>

**3.3 Previous Wood Pole Removal - 2010**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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	4.59	42.76		1.69	1.69		1.69	1.69		0.41		4,636.49
<b>Total</b>	<b>4.59</b>	<b>42.76</b>	<b>0.40</b>	<b>1.69</b>	<b>2.09</b>	<b>0.00</b>	<b>1.69</b>	<b>1.69</b>		<b>0.41</b>		<b>4,636.49</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.17	2.89	0.38	0.05	0.43	0.01	0.05	0.06		0.01		469.40
Worker	0.05	0.05	0.15	0.00	0.16	0.00	0.00	0.00		0.00		58.58
<b>Total</b>	<b>0.22</b>	<b>2.94</b>	<b>0.53</b>	<b>0.05</b>	<b>0.59</b>	<b>0.01</b>	<b>0.05</b>	<b>0.06</b>		<b>0.01</b>		<b>527.98</b>

**3.4 Previous LWS Pole Haul - 2010**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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	3.23	30.56		1.16	1.16		1.16	1.16		0.29		3,419.49
<b>Total</b>	<b>3.23</b>	<b>30.56</b>	<b>0.00</b>	<b>1.16</b>	<b>1.16</b>	<b>0.00</b>	<b>1.16</b>	<b>1.16</b>		<b>0.29</b>		<b>3,419.49</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.08	1.45	0.19	0.03	0.22	0.00	0.03	0.03		0.00		234.70
Worker	0.04	0.03	0.10	0.00	0.10	0.00	0.00	0.00		0.00		39.05



**Moorpark-Newbury Single-Circuit 66 kv T/L**  
**Ventura County, Winter**

<b>Total</b>	<b>0.12</b>	<b>1.48</b>	<b>0.29</b>	<b>0.03</b>	<b>0.32</b>	<b>0.00</b>	<b>0.03</b>	<b>0.03</b>		<b>0.00</b>		<b>273.75</b>
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**3.5 Previous LWS Pole Assembly - 2010**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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	1.98	17.56		0.82	0.82		0.82	0.82		0.18		1,727.10
<b>Total</b>	<b>1.98</b>	<b>17.56</b>	<b>0.00</b>	<b>0.82</b>	<b>0.82</b>	<b>0.00</b>	<b>0.82</b>	<b>0.82</b>		<b>0.18</b>		<b>1,727.10</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.08	1.45	0.19	0.03	0.22	0.00	0.03	0.03		0.00		234.77
Worker	0.07	0.07	0.20	0.00	0.21	0.00	0.00	0.01		0.01		78.11
<b>Total</b>	<b>0.15</b>	<b>1.52</b>	<b>0.39</b>	<b>0.03</b>	<b>0.43</b>	<b>0.00</b>	<b>0.03</b>	<b>0.04</b>		<b>0.01</b>		<b>312.88</b>

**3.6 Previous Instal LWS Pole - 2010**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Total CO2	CH4	N2O	CO2e
Category	lb/day								lb/day			
Fugitive Dust			0.51	0.00	0.51	0.00	0.00	0.00				0.00
Off-Road	5.51	52.45		2.07	2.07		2.07	2.07		0.49		5,971.06
<b>Total</b>	<b>5.51</b>	<b>52.45</b>	<b>0.51</b>	<b>2.07</b>	<b>2.58</b>	<b>0.00</b>	<b>2.07</b>	<b>2.07</b>		<b>0.49</b>		<b>5,971.06</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.08	1.45	0.38	0.03	0.40	0.00	0.03	0.03		0.00		234.70
Worker	0.05	0.05	0.30	0.00	0.31	0.00	0.00	0.00		0.00		58.58
<b>Total</b>	<b>0.13</b>	<b>1.50</b>	<b>0.68</b>	<b>0.03</b>	<b>0.71</b>	<b>0.00</b>	<b>0.03</b>	<b>0.03</b>		<b>0.00</b>		<b>293.28</b>

**Moorpark-Newbury Single-Circuit 66 kv T/L**  
**Ventura County, Winter**

**3.7 Previous Sub Civil MP - 2010**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>		<b>0.00</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.11	1.82	0.47	0.03	0.50	0.01	0.03	0.04		0.00		293.64
Worker	0.01	0.01	0.05	0.00	0.05	0.00	0.00	0.00		0.00		9.76
<b>Total</b>	<b>0.12</b>	<b>1.83</b>	<b>0.52</b>	<b>0.03</b>	<b>0.55</b>	<b>0.01</b>	<b>0.03</b>	<b>0.04</b>		<b>0.00</b>		<b>303.40</b>

**3.8 Previous Sub Wiring MP - 2010**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>		<b>0.00</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.07	1.09	0.07	0.02	0.09	0.00	0.02	0.02		0.00		176.18
Worker	0.03	0.03	0.04	0.00	0.04	0.00	0.00	0.00		0.00		29.29
<b>Total</b>	<b>0.10</b>	<b>1.12</b>	<b>0.11</b>	<b>0.02</b>	<b>0.13</b>	<b>0.00</b>	<b>0.02</b>	<b>0.02</b>		<b>0.00</b>		<b>205.47</b>

**3.9 Previous Install TSP Foundation - 2010**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Total CO2	CH4	N2O	CO2e
Category	lb/day								lb/day			
Fugitive Dust			0.52	0.00	0.52	0.00	0.00	0.00				0.00

**Moorpark-Newbury Single-Circuit 66 kv T/L**  
**Ventura County, Winter**

Off-Road	4.92	47.11		1.84	1.84		1.84	1.84		0.44		5,672.66
<b>Total</b>	<b>4.92</b>	<b>47.11</b>	<b>0.52</b>	<b>1.84</b>	<b>2.36</b>	<b>0.00</b>	<b>1.84</b>	<b>1.84</b>		<b>0.44</b>		<b>5,672.66</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.04	0.72	0.10	0.01	0.11	0.00	0.01	0.02		0.00		117.39
Worker	0.05	0.05	0.15	0.00	0.16	0.00	0.00	0.00		0.00		58.58
<b>Total</b>	<b>0.09</b>	<b>0.77</b>	<b>0.25</b>	<b>0.01</b>	<b>0.27</b>	<b>0.00</b>	<b>0.01</b>	<b>0.02</b>		<b>0.00</b>		<b>175.97</b>

**3.9 Previous Install TSP Foundation - 2011**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Total CO2	CH4	N2O	CO2e
Category	lb/day								lb/day			
Fugitive Dust			0.52	0.00	0.52	0.00	0.00	0.00				0.00
Off-Road	4.65	42.87		1.65	1.65		1.65	1.65		0.42		5,672.20
<b>Total</b>	<b>4.65</b>	<b>42.87</b>	<b>0.52</b>	<b>1.65</b>	<b>2.17</b>	<b>0.00</b>	<b>1.65</b>	<b>1.65</b>		<b>0.42</b>		<b>5,672.20</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.04	0.66	0.10	0.01	0.11	0.00	0.01	0.02		0.00		117.62
Worker	0.05	0.05	0.15	0.00	0.16	0.00	0.00	0.00		0.00		57.85
<b>Total</b>	<b>0.09</b>	<b>0.71</b>	<b>0.25</b>	<b>0.01</b>	<b>0.27</b>	<b>0.00</b>	<b>0.01</b>	<b>0.02</b>		<b>0.00</b>		<b>175.47</b>

**3.10 Previous Drill&Fill TSP Foundation - 2010**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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	1.27	7.97		0.67	0.67		0.67	0.67		0.11		689.60

**Moorpark-Newbury Single-Circuit 66 kv T/L**  
**Ventura County, Winter**

<b>Total</b>	<b>1.27</b>	<b>7.97</b>	<b>0.00</b>	<b>0.67</b>	<b>0.67</b>	<b>0.00</b>	<b>0.67</b>	<b>0.67</b>		<b>0.11</b>		<b>689.60</b>
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	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.04	0.72	0.05	0.01	0.06	0.00	0.01	0.02		0.00		117.39
Worker	0.05	0.05	0.08	0.00	0.08	0.00	0.00	0.00		0.00		58.58
<b>Total</b>	<b>0.09</b>	<b>0.77</b>	<b>0.13</b>	<b>0.01</b>	<b>0.14</b>	<b>0.00</b>	<b>0.01</b>	<b>0.02</b>		<b>0.00</b>		<b>175.97</b>

**3.11 Previous TSP Haul - 2010**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>		<b>0.00</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.08	1.45	0.10	0.03	0.12	0.00	0.03	0.03		0.00		234.70
Worker	0.04	0.03	0.05	0.00	0.05	0.00	0.00	0.00		0.00		39.05
<b>Total</b>	<b>0.12</b>	<b>1.48</b>	<b>0.15</b>	<b>0.03</b>	<b>0.17</b>	<b>0.00</b>	<b>0.03</b>	<b>0.03</b>		<b>0.00</b>		<b>273.75</b>

**3.12 Previous TSP Assembly - 2010**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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	1.26	8.12		0.65	0.65		0.65	0.65		0.11		693.33
<b>Total</b>	<b>1.26</b>	<b>8.12</b>	<b>0.00</b>	<b>0.65</b>	<b>0.65</b>	<b>0.00</b>	<b>0.65</b>	<b>0.65</b>		<b>0.11</b>		<b>693.33</b>

**Moorpark-Newbury Single-Circuit 66 kv T/L**  
**Ventura County, Winter**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.17	2.89	0.19	0.05	0.25	0.01	0.05	0.06		0.01		469.54
Worker	0.07	0.07	0.10	0.00	0.11	0.00	0.00	0.01		0.01		78.11
<b>Total</b>	<b>0.24</b>	<b>2.96</b>	<b>0.29</b>	<b>0.05</b>	<b>0.36</b>	<b>0.01</b>	<b>0.05</b>	<b>0.07</b>		<b>0.02</b>		<b>547.65</b>

**3.13 Previous TSP Erection - 2010**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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	6.84	62.81		2.57	2.57		2.57	2.57		0.61		7,003.08
<b>Total</b>	<b>6.84</b>	<b>62.81</b>	<b>0.00</b>	<b>2.57</b>	<b>2.57</b>	<b>0.00</b>	<b>2.57</b>	<b>2.57</b>		<b>0.61</b>		<b>7,003.08</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.17	2.89	0.38	0.05	0.43	0.01	0.05	0.06		0.01		469.40
Worker	0.07	0.07	0.20	0.00	0.21	0.00	0.00	0.01		0.01		78.11
<b>Total</b>	<b>0.24</b>	<b>2.96</b>	<b>0.58</b>	<b>0.05</b>	<b>0.64</b>	<b>0.01</b>	<b>0.05</b>	<b>0.07</b>		<b>0.02</b>		<b>547.51</b>

**3.14 Previous Vault Installation - 2010**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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	10.06	94.10		3.74	3.74		3.74	3.74		0.89		10,259.48
<b>Total</b>	<b>10.06</b>	<b>94.10</b>	<b>0.00</b>	<b>3.74</b>	<b>3.74</b>	<b>0.00</b>	<b>3.74</b>	<b>3.74</b>		<b>0.89</b>		<b>10,259.48</b>
	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.08	1.45	0.19	0.03	0.22	0.00	0.03	0.03		0.00		234.77

**Moorpark-Newbury Single-Circuit 66 kv T/L**  
**Ventura County, Winter**

Worker	0.05	0.05	0.15	0.00	0.16	0.00	0.00	0.00	0.00	0.00	58.58
<b>Total</b>	<b>0.13</b>	<b>1.50</b>	<b>0.34</b>	<b>0.03</b>	<b>0.38</b>	<b>0.00</b>	<b>0.03</b>	<b>0.03</b>	<b>0.00</b>	<b>293.35</b>	

**3.15 Previous Duct Bank Installation - 2010**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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	18.50	178.80		6.92	6.92		6.92	6.92		1.65		19,946.66
<b>Total</b>	<b>18.50</b>	<b>178.80</b>	<b>0.00</b>	<b>6.92</b>	<b>6.92</b>	<b>0.00</b>	<b>6.92</b>	<b>6.92</b>		<b>1.65</b>		<b>19,946.66</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.08	1.45	0.19	0.03	0.22	0.00	0.03	0.03		0.00		234.77
Worker	0.05	0.05	0.15	0.00	0.16	0.00	0.00	0.00		0.00		58.58
<b>Total</b>	<b>0.13</b>	<b>1.50</b>	<b>0.34</b>	<b>0.03</b>	<b>0.38</b>	<b>0.00</b>	<b>0.03</b>	<b>0.03</b>		<b>0.00</b>		<b>293.35</b>

**3.16 Previous Sub Civil NB - 2010**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>		<b>0.00</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.18	2.90	0.19	0.05	0.25	0.01	0.05	0.06		0.01		469.82
Worker	0.03	0.03	0.04	0.00	0.04	0.00	0.00	0.00		0.00		29.29
<b>Total</b>	<b>0.21</b>	<b>2.93</b>	<b>0.23</b>	<b>0.05</b>	<b>0.29</b>	<b>0.01</b>	<b>0.05</b>	<b>0.06</b>		<b>0.01</b>		<b>499.11</b>

**Moorpark-Newbury Single-Circuit 66 kv T/L**  
**Ventura County, Winter**

**3.17 Previous Sub Wiring NB - 2010**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>		<b>0.00</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.04	0.73	0.05	0.01	0.06	0.00	0.01	0.02		0.00		117.46
Worker	0.01	0.01	0.01	0.00	0.01	0.00	0.00	0.00		0.00		9.76
<b>Total</b>	<b>0.05</b>	<b>0.74</b>	<b>0.06</b>	<b>0.01</b>	<b>0.07</b>	<b>0.00</b>	<b>0.01</b>	<b>0.02</b>		<b>0.00</b>		<b>127.22</b>

**3.18 Previous ROW Clearing - 2010**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Total CO2	CH4	N2O	CO2e
Category	lb/day								lb/day			
Fugitive Dust			9.03	0.00	9.03	4.97	0.00	4.97				0.00
Off-Road	6.46	55.74		2.62	2.62		2.62	2.62		0.58		5,733.14
<b>Total</b>	<b>6.46</b>	<b>55.74</b>	<b>9.03</b>	<b>2.62</b>	<b>11.65</b>	<b>4.97</b>	<b>2.62</b>	<b>7.59</b>		<b>0.58</b>		<b>5,733.14</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.08	1.45	0.19	0.03	0.22	0.00	0.03	0.03		0.00		234.70
Worker	0.05	0.04	0.13	0.00	0.13	0.00	0.00	0.00		0.00		48.82
<b>Total</b>	<b>0.13</b>	<b>1.49</b>	<b>0.32</b>	<b>0.03</b>	<b>0.35</b>	<b>0.00</b>	<b>0.03</b>	<b>0.03</b>		<b>0.00</b>		<b>283.52</b>

**3.19 Previous Roads and Landing Work - 2010**

**Moorpark-Newbury Single-Circuit 66 kv T/L**  
**Ventura County, Winter**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Total CO2	CH4	N2O	CO2e
Category	lb/day								lb/day			
Fugitive Dust			6.19	0.00	6.19	3.31	0.00	3.31				0.00
Off-Road	5.80	53.53		2.17	2.17		2.17	2.17		0.52		5,653.65
<b>Total</b>	<b>5.80</b>	<b>53.53</b>	<b>6.19</b>	<b>2.17</b>	<b>8.36</b>	<b>3.31</b>	<b>2.17</b>	<b>5.48</b>		<b>0.52</b>		<b>5,653.65</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.15	2.53	0.33	0.05	0.38	0.01	0.05	0.05		0.01		410.74
Worker	0.05	0.04	0.13	0.00	0.13	0.00	0.00	0.00		0.00		48.82
<b>Total</b>	<b>0.20</b>	<b>2.57</b>	<b>0.46</b>	<b>0.05</b>	<b>0.51</b>	<b>0.01</b>	<b>0.05</b>	<b>0.05</b>		<b>0.01</b>		<b>459.56</b>

**3.20 Previous Tree Trimming and Removal - 2010**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Total CO2	CH4	N2O	CO2e
Category	lb/day								lb/day			
Off-Road	5.96	45.02		2.31	2.31		2.31	2.31		0.53		5,029.11
<b>Total</b>	<b>5.96</b>	<b>45.02</b>		<b>2.31</b>	<b>2.31</b>		<b>2.31</b>	<b>2.31</b>		<b>0.53</b>		<b>5,029.11</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00
Worker	0.05	0.04	0.13	0.00	0.13	0.00	0.00	0.00		0.00		48.82
<b>Total</b>	<b>0.05</b>	<b>0.04</b>	<b>0.13</b>	<b>0.00</b>	<b>0.13</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>		<b>48.82</b>

**3.21 Previous Install Conductor - 2011**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Total CO2	CH4	N2O	CO2e
Category	lb/day								lb/day			



**Moorpark-Newbury Single-Circuit 66 kv T/L**  
**Ventura County, Winter**

Fugitive Dust			2.13	0.00	2.13	0.00	0.00	0.00				0.00
Off-Road	18.01	169.85		6.12	6.12		6.12	6.12		1.61		21,007.20
<b>Total</b>	<b>18.01</b>	<b>169.85</b>	<b>2.13</b>	<b>6.12</b>	<b>8.25</b>	<b>0.00</b>	<b>6.12</b>	<b>6.12</b>		<b>1.61</b>		<b>21,007.20</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.12	1.97	0.56	0.04	0.60	0.01	0.04	0.05		0.00		352.87
Worker	0.17	0.16	1.01	0.01	1.02	0.01	0.01	0.02		0.01		192.82
<b>Total</b>	<b>0.29</b>	<b>2.13</b>	<b>1.57</b>	<b>0.05</b>	<b>1.62</b>	<b>0.02</b>	<b>0.05</b>	<b>0.07</b>		<b>0.01</b>		<b>545.69</b>

**3.22 Previous Restoration - 2011**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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	4.10	37.45		1.44	1.44		1.44	1.44		0.37		4,493.89
<b>Total</b>	<b>4.10</b>	<b>37.45</b>	<b>0.00</b>	<b>1.44</b>	<b>1.44</b>	<b>0.00</b>	<b>1.44</b>	<b>1.44</b>		<b>0.37</b>		<b>4,493.89</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.08	1.31	0.28	0.03	0.31	0.00	0.03	0.03		0.00		235.25
Worker	0.06	0.06	0.27	0.00	0.27	0.00	0.00	0.01		0.00		67.49
<b>Total</b>	<b>0.14</b>	<b>1.37</b>	<b>0.55</b>	<b>0.03</b>	<b>0.58</b>	<b>0.00</b>	<b>0.03</b>	<b>0.04</b>		<b>0.00</b>		<b>302.74</b>

**3.23 Future Survey - 2014**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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

**Moorpark-Newbury Single-Circuit 66 kv T/L**  
**Ventura County, Winter**

<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>		<b>0.00</b>
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	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.12	1.91	0.19	0.04	0.24	0.01	0.04	0.05		0.00		471.97
Worker	0.03	0.02	0.05	0.00	0.05	0.00	0.00	0.00		0.00		36.07
<b>Total</b>	<b>0.15</b>	<b>1.93</b>	<b>0.24</b>	<b>0.04</b>	<b>0.29</b>	<b>0.01</b>	<b>0.04</b>	<b>0.05</b>		<b>0.00</b>		<b>508.04</b>

**3.24 Future LST Foundation Removal - 2014**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Total CO2	CH4	N2O	CO2e
Category	lb/day								lb/day			
Off-Road	2.59	19.81		0.91	0.91		0.91	0.91		0.23		3,021.40
<b>Total</b>	<b>2.59</b>	<b>19.81</b>		<b>0.91</b>	<b>0.91</b>		<b>0.91</b>	<b>0.91</b>		<b>0.23</b>		<b>3,021.40</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.03	0.48	0.05	0.01	0.06	0.00	0.01	0.01		0.00		118.02
Worker	0.03	0.02	0.05	0.00	0.05	0.00	0.00	0.00		0.00		36.07
<b>Total</b>	<b>0.06</b>	<b>0.50</b>	<b>0.10</b>	<b>0.01</b>	<b>0.11</b>	<b>0.00</b>	<b>0.01</b>	<b>0.01</b>		<b>0.00</b>		<b>154.09</b>

**3.25 Future Marshalling Yards - 2014**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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	2.30	18.02		0.68	0.68		0.68	0.68		0.20		2,945.84
<b>Total</b>	<b>2.30</b>	<b>18.02</b>	<b>0.00</b>	<b>0.68</b>	<b>0.68</b>	<b>0.00</b>	<b>0.68</b>	<b>0.68</b>		<b>0.20</b>		<b>2,945.84</b>

**Moorpark-Newbury Single-Circuit 66 kv T/L**  
**Ventura County, Winter**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.03	0.48	0.05	0.01	0.06	0.00	0.01	0.01		0.00		118.02
Worker	0.03	0.02	0.05	0.00	0.05	0.00	0.00	0.00		0.00		36.07
<b>Total</b>	<b>0.06</b>	<b>0.50</b>	<b>0.10</b>	<b>0.01</b>	<b>0.11</b>	<b>0.00</b>	<b>0.01</b>	<b>0.01</b>		<b>0.00</b>		<b>154.09</b>

**3.26 Future Wood Pole Removal - 2014**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Total CO2	CH4	N2O	CO2e
Category	lb/day								lb/day			
Fugitive Dust			0.36	0.00	0.36	0.00	0.00	0.00				0.00
Off-Road	3.73	30.03		1.13	1.13		1.13	1.13		0.33		4,634.85
<b>Total</b>	<b>3.73</b>	<b>30.03</b>	<b>0.36</b>	<b>1.13</b>	<b>1.49</b>	<b>0.00</b>	<b>1.13</b>	<b>1.13</b>		<b>0.33</b>		<b>4,634.85</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.12	1.91	0.19	0.04	0.24	0.01	0.04	0.05		0.00		471.97
Worker	0.04	0.03	0.08	0.00	0.08	0.00	0.00	0.00		0.00		54.11
<b>Total</b>	<b>0.16</b>	<b>1.94</b>	<b>0.27</b>	<b>0.04</b>	<b>0.32</b>	<b>0.01</b>	<b>0.04</b>	<b>0.05</b>		<b>0.00</b>		<b>526.08</b>

**3.27 Future LST Removal - 2014**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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	2.85	23.30		0.98	0.98		0.98	0.98		0.25		3,259.94
<b>Total</b>	<b>2.85</b>	<b>23.30</b>	<b>0.05</b>	<b>0.98</b>	<b>1.03</b>	<b>0.00</b>	<b>0.98</b>	<b>0.98</b>		<b>0.25</b>		<b>3,259.94</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Total CO2	CH4	N2O	CO2e
Category	lb/day								lb/day			

**Moorpark-Newbury Single-Circuit 66 kv T/L**  
**Ventura County, Winter**

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
Vendor	0.06	0.96	0.10	0.02	0.12	0.00	0.02	0.03		0.00		236.05
Worker	0.05	0.05	0.10	0.00	0.11	0.00	0.00	0.01		0.00		72.15
<b>Total</b>	<b>0.11</b>	<b>1.01</b>	<b>0.20</b>	<b>0.02</b>	<b>0.23</b>	<b>0.00</b>	<b>0.02</b>	<b>0.04</b>		<b>0.00</b>		<b>308.20</b>

**3.28 Future Install TSP Foundations - 2014**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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	3.98	31.73		1.17	1.17		1.17	1.17		0.35		5,670.88
<b>Total</b>	<b>3.98</b>	<b>31.73</b>	<b>0.00</b>	<b>1.17</b>	<b>1.17</b>	<b>0.00</b>	<b>1.17</b>	<b>1.17</b>		<b>0.35</b>		<b>5,670.88</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.03	0.48	0.05	0.01	0.06	0.00	0.01	0.01		0.00		118.02
Worker	0.04	0.03	0.08	0.00	0.08	0.00	0.00	0.00		0.00		54.11
<b>Total</b>	<b>0.07</b>	<b>0.51</b>	<b>0.13</b>	<b>0.01</b>	<b>0.14</b>	<b>0.00</b>	<b>0.01</b>	<b>0.01</b>		<b>0.00</b>		<b>172.13</b>

**3.29 Future TSP Haul - 2014**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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	2.65	21.51		0.77	0.77		0.77	0.77		0.23		3,418.40
<b>Total</b>	<b>2.65</b>	<b>21.51</b>	<b>0.00</b>	<b>0.77</b>	<b>0.77</b>	<b>0.00</b>	<b>0.77</b>	<b>0.77</b>		<b>0.23</b>		<b>3,418.40</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.06	0.96	0.10	0.02	0.12	0.00	0.02	0.03		0.00		235.99
Worker	0.03	0.02	0.05	0.00	0.05	0.00	0.00	0.00		0.00		36.07
<b>Total</b>	<b>0.09</b>	<b>0.98</b>	<b>0.15</b>	<b>0.02</b>	<b>0.17</b>	<b>0.00</b>	<b>0.02</b>	<b>0.03</b>		<b>0.00</b>		<b>272.06</b>

**Moorpark-Newbury Single-Circuit 66 kv T/L**  
**Ventura County, Winter**

**3.30 Future TSP Assembly - 2014**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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	1.57	12.99		0.58	0.58		0.58	0.58		0.14		1,726.32
<b>Total</b>	<b>1.57</b>	<b>12.99</b>	<b>0.00</b>	<b>0.58</b>	<b>0.58</b>	<b>0.00</b>	<b>0.58</b>	<b>0.58</b>		<b>0.14</b>		<b>1,726.32</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.06	0.96	0.10	0.02	0.12	0.00	0.02	0.03		0.00		235.99
Worker	0.05	0.05	0.10	0.00	0.11	0.00	0.00	0.01		0.00		72.15
<b>Total</b>	<b>0.11</b>	<b>1.01</b>	<b>0.20</b>	<b>0.02</b>	<b>0.23</b>	<b>0.00</b>	<b>0.02</b>	<b>0.04</b>		<b>0.00</b>		<b>308.14</b>

**3.31 Future TSP Erection - 2014**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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	2.59	21.75		0.83	0.83		0.83	0.83		0.23		3,083.09
<b>Total</b>	<b>2.59</b>	<b>21.75</b>	<b>0.00</b>	<b>0.83</b>	<b>0.83</b>	<b>0.00</b>	<b>0.83</b>	<b>0.83</b>		<b>0.23</b>		<b>3,083.09</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.12	1.92	0.19	0.04	0.24	0.01	0.04	0.05		0.00		472.10
Worker	0.05	0.05	0.10	0.00	0.11	0.00	0.00	0.01		0.00		72.15
<b>Total</b>	<b>0.17</b>	<b>1.97</b>	<b>0.29</b>	<b>0.04</b>	<b>0.35</b>	<b>0.01</b>	<b>0.04</b>	<b>0.06</b>		<b>0.00</b>		<b>544.25</b>

**Moorpark-Newbury Single-Circuit 66 kv T/L**  
**Ventura County, Winter**

**3.32 Future LWS Pole Haul - 2014**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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	2.65	21.51		0.77	0.77		0.77	0.77		0.23		3,418.40
<b>Total</b>	<b>2.65</b>	<b>21.51</b>	<b>0.00</b>	<b>0.77</b>	<b>0.77</b>	<b>0.00</b>	<b>0.77</b>	<b>0.77</b>		<b>0.23</b>		<b>3,418.40</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.06	0.96	0.10	0.02	0.12	0.00	0.02	0.03		0.00		235.99
Worker	0.03	0.02	0.05	0.00	0.05	0.00	0.00	0.00		0.00		36.07
<b>Total</b>	<b>0.09</b>	<b>0.98</b>	<b>0.15</b>	<b>0.02</b>	<b>0.17</b>	<b>0.00</b>	<b>0.02</b>	<b>0.03</b>		<b>0.00</b>		<b>272.06</b>

**3.33 Future LWS Pole Assembly - 2014**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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	1.57	12.99		0.58	0.58		0.58	0.58		0.14		1,726.32
<b>Total</b>	<b>1.57</b>	<b>12.99</b>	<b>0.00</b>	<b>0.58</b>	<b>0.58</b>	<b>0.00</b>	<b>0.58</b>	<b>0.58</b>		<b>0.14</b>		<b>1,726.32</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.12	1.92	0.19	0.04	0.24	0.01	0.04	0.05		0.00		472.10
Worker	0.05	0.05	0.10	0.00	0.11	0.00	0.00	0.01		0.00		72.15
<b>Total</b>	<b>0.17</b>	<b>1.97</b>	<b>0.29</b>	<b>0.04</b>	<b>0.35</b>	<b>0.01</b>	<b>0.04</b>	<b>0.06</b>		<b>0.00</b>		<b>544.25</b>

**3.34 Future Instal LWS Pole - 2014**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Total CO2	CH4	N2O	CO2e
Category	lb/day								lb/day			

**Moorpark-Newbury Single-Circuit 66 kv T/L**  
**Ventura County, Winter**

Fugitive Dust			0.55	0.00	0.55	0.00	0.00	0.00				0.00
Off-Road	4.44	36.05		1.34	1.34		1.34	1.34		0.39		5,969.02
<b>Total</b>	<b>4.44</b>	<b>36.05</b>	<b>0.55</b>	<b>1.34</b>	<b>1.89</b>	<b>0.00</b>	<b>1.34</b>	<b>1.34</b>		<b>0.39</b>		<b>5,969.02</b>
	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.06	0.96	0.10	0.02	0.12	0.00	0.02	0.03		0.00		235.99
Worker	0.04	0.03	0.08	0.00	0.08	0.00	0.00	0.00		0.00		54.11
<b>Total</b>	<b>0.10</b>	<b>0.99</b>	<b>0.18</b>	<b>0.02</b>	<b>0.20</b>	<b>0.00</b>	<b>0.02</b>	<b>0.03</b>		<b>0.00</b>		<b>290.10</b>

**3.35 Future Sub Electrical MP - 2014**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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	0.89	6.13		0.47	0.47		0.47	0.47		0.08		688.88
<b>Total</b>	<b>0.89</b>	<b>6.13</b>	<b>0.00</b>	<b>0.47</b>	<b>0.47</b>	<b>0.00</b>	<b>0.47</b>	<b>0.47</b>		<b>0.08</b>		<b>688.88</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.08	1.20	0.24	0.03	0.27	0.01	0.03	0.03		0.00		295.21
Worker	0.17	0.15	0.64	0.01	0.65	0.01	0.01	0.02		0.01		225.46
<b>Total</b>	<b>0.25</b>	<b>1.35</b>	<b>0.88</b>	<b>0.04</b>	<b>0.92</b>	<b>0.02</b>	<b>0.04</b>	<b>0.05</b>		<b>0.01</b>		<b>520.67</b>

**3.36 Future Sub Wiring MP - 2014**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>		<b>0.00</b>

**Moorpark-Newbury Single-Circuit 66 kv T/L**  
**Ventura County, Winter**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.05	0.72	0.14	0.02	0.16	0.00	0.02	0.02		0.00		177.13
Worker	0.02	0.02	0.08	0.00	0.08	0.00	0.00	0.00		0.00		27.05
<b>Total</b>	<b>0.07</b>	<b>0.74</b>	<b>0.22</b>	<b>0.02</b>	<b>0.24</b>	<b>0.00</b>	<b>0.02</b>	<b>0.02</b>		<b>0.00</b>		<b>204.18</b>

**3.37 Future Sub Test/Maint MP - 2014**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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	1.14	7.11		0.63	0.63		0.63	0.63		0.10		723.16
<b>Total</b>	<b>1.14</b>	<b>7.11</b>	<b>0.00</b>	<b>0.63</b>	<b>0.63</b>	<b>0.00</b>	<b>0.63</b>	<b>0.63</b>		<b>0.10</b>		<b>723.16</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.03	0.48	0.10	0.01	0.11	0.00	0.01	0.01		0.00		118.09
Worker	0.03	0.03	0.13	0.00	0.13	0.00	0.00	0.00		0.00		45.09
<b>Total</b>	<b>0.06</b>	<b>0.51</b>	<b>0.23</b>	<b>0.01</b>	<b>0.24</b>	<b>0.00</b>	<b>0.01</b>	<b>0.01</b>		<b>0.00</b>		<b>163.18</b>

**3.38 Future Sub Electrical NB - 2014**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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	0.89	6.13		0.47	0.47		0.47	0.47		0.08		688.88
<b>Total</b>	<b>0.89</b>	<b>6.13</b>	<b>0.00</b>	<b>0.47</b>	<b>0.47</b>	<b>0.00</b>	<b>0.47</b>	<b>0.47</b>		<b>0.08</b>		<b>688.88</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Total CO2	CH4	N2O	CO2e
Category	lb/day								lb/day			



**Moorpark-Newbury Single-Circuit 66 kv T/L**  
**Ventura County, Winter**

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
Vendor	0.08	1.20	0.12	0.03	0.15	0.01	0.03	0.03		0.00		295.21
Worker	0.17	0.15	0.33	0.01	0.33	0.01	0.01	0.02		0.01		225.46
<b>Total</b>	<b>0.25</b>	<b>1.35</b>	<b>0.45</b>	<b>0.04</b>	<b>0.48</b>	<b>0.02</b>	<b>0.04</b>	<b>0.05</b>		<b>0.01</b>		<b>520.67</b>

**3.39 Future Sub Wiring NB - 2014**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>		<b>0.00</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.15	2.39	0.24	0.05	0.30	0.01	0.05	0.07		0.01		589.94
Worker	0.01	0.01	0.03	0.00	0.03	0.00	0.00	0.00		0.00		18.04
<b>Total</b>	<b>0.16</b>	<b>2.40</b>	<b>0.27</b>	<b>0.05</b>	<b>0.33</b>	<b>0.01</b>	<b>0.05</b>	<b>0.07</b>		<b>0.01</b>		<b>607.98</b>

**3.40 Future Sub Test/Maint NB - 2014**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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	1.14	7.11		0.63	0.63		0.63	0.63		0.10		723.16
<b>Total</b>	<b>1.14</b>	<b>7.11</b>	<b>0.00</b>	<b>0.63</b>	<b>0.63</b>	<b>0.00</b>	<b>0.63</b>	<b>0.63</b>		<b>0.10</b>		<b>723.16</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.03	0.48	0.05	0.01	0.06	0.00	0.01	0.01		0.00		118.09

**Moorpark-Newbury Single-Circuit 66 kv T/L**  
**Ventura County, Winter**

Worker	0.03	0.03	0.07	0.00	0.07	0.00	0.00	0.00	0.00	0.00	45.09
<b>Total</b>	<b>0.06</b>	<b>0.51</b>	<b>0.12</b>	<b>0.01</b>	<b>0.13</b>	<b>0.00</b>	<b>0.01</b>	<b>0.01</b>	<b>0.00</b>	<b>0.00</b>	<b>163.18</b>

**3.41 Future ROW Clearing - 2014**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Total CO2	CH4	N2O	CO2e
Category	lb/day								lb/day			
Fugitive Dust			0.75	0.00	0.75	0.41	0.00	0.41				0.00
Off-Road	7.39	57.16		2.63	2.63		2.63	2.63		0.65		8,480.18
<b>Total</b>	<b>7.39</b>	<b>57.16</b>	<b>0.75</b>	<b>2.63</b>	<b>3.38</b>	<b>0.41</b>	<b>2.63</b>	<b>3.04</b>		<b>0.65</b>		<b>8,480.18</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.06	0.96	0.10	0.02	0.12	0.00	0.02	0.03		0.00		235.99
Worker	0.03	0.03	0.07	0.00	0.07	0.00	0.00	0.00		0.00		45.09
<b>Total</b>	<b>0.09</b>	<b>0.99</b>	<b>0.17</b>	<b>0.02</b>	<b>0.19</b>	<b>0.00</b>	<b>0.02</b>	<b>0.03</b>		<b>0.00</b>		<b>281.08</b>

**3.42 Future Roads and Landing Work - 2014**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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	4.43	35.98		1.35	1.35		1.35	1.35		0.39		5,621.01
<b>Total</b>	<b>4.43</b>	<b>35.98</b>	<b>0.00</b>	<b>1.35</b>	<b>1.35</b>	<b>0.00</b>	<b>1.35</b>	<b>1.35</b>		<b>0.39</b>		<b>5,621.01</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.06	0.96	0.10	0.02	0.12	0.00	0.02	0.03		0.00		235.99
Worker	0.03	0.03	0.07	0.00	0.07	0.00	0.00	0.00		0.00		45.09
<b>Total</b>	<b>0.09</b>	<b>0.99</b>	<b>0.17</b>	<b>0.02</b>	<b>0.19</b>	<b>0.00</b>	<b>0.02</b>	<b>0.03</b>		<b>0.00</b>		<b>281.08</b>

**3.43 Future Remove Existing Conductor - 2014**

**Moorpark-Newbury Single-Circuit 66 kv T/L**  
**Ventura County, Winter**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Total CO2	CH4	N2O	CO2e
Category	lb/day								lb/day			
Off-Road	9.45	80.48		2.78	2.78		2.78	2.78		0.83		12,979.24
<b>Total</b>	<b>9.45</b>	<b>80.48</b>		<b>2.78</b>	<b>2.78</b>		<b>2.78</b>	<b>2.78</b>		<b>0.83</b>		<b>12,979.24</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.06	0.96	0.10	0.02	0.12	0.00	0.02	0.03		0.00		236.05
Worker	0.09	0.08	0.18	0.00	0.19	0.01	0.00	0.01		0.01		126.26
<b>Total</b>	<b>0.15</b>	<b>1.04</b>	<b>0.28</b>	<b>0.02</b>	<b>0.31</b>	<b>0.01</b>	<b>0.02</b>	<b>0.04</b>		<b>0.01</b>		<b>362.31</b>

**3.44 Future Guard Structure Installation - 2014**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Total CO2	CH4	N2O	CO2e
Category	lb/day								lb/day			
Off-Road	3.76	30.24		1.13	1.13		1.13	1.13		0.33		5,066.75
<b>Total</b>	<b>3.76</b>	<b>30.24</b>		<b>1.13</b>	<b>1.13</b>		<b>1.13</b>	<b>1.13</b>		<b>0.33</b>		<b>5,066.75</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.12	1.91	0.19	0.04	0.24	0.01	0.04	0.05		0.00		471.97
Worker	0.04	0.03	0.08	0.00	0.08	0.00	0.00	0.00		0.00		54.11
<b>Total</b>	<b>0.16</b>	<b>1.94</b>	<b>0.27</b>	<b>0.04</b>	<b>0.32</b>	<b>0.01</b>	<b>0.04</b>	<b>0.05</b>		<b>0.00</b>		<b>526.08</b>

**3.45 Future Install Conductor - 2014**

**Moorpark-Newbury Single-Circuit 66 kv T/L**  
**Ventura County, Winter**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Total CO2	CH4	N2O	CO2e
Category	lb/day								lb/day			
Fugitive Dust			0.09	0.00	0.09	0.00	0.00	0.00				0.00
Off-Road	15.57	127.78		4.43	4.43		4.43	4.43		1.37		21,002.32
<b>Total</b>	<b>15.57</b>	<b>127.78</b>	<b>0.09</b>	<b>4.43</b>	<b>4.52</b>	<b>0.00</b>	<b>4.43</b>	<b>4.43</b>		<b>1.37</b>		<b>21,002.32</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.09	1.44	0.15	0.03	0.18	0.01	0.03	0.04		0.00		354.07
Worker	0.13	0.12	0.26	0.01	0.27	0.01	0.01	0.02		0.01		180.36
<b>Total</b>	<b>0.22</b>	<b>1.56</b>	<b>0.41</b>	<b>0.04</b>	<b>0.45</b>	<b>0.02</b>	<b>0.04</b>	<b>0.06</b>		<b>0.01</b>		<b>534.43</b>

**3.46 Future Guard Structure Removal - 2014**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Total CO2	CH4	N2O	CO2e
Category	lb/day								lb/day			
Off-Road	3.45	27.67		1.05	1.05		1.05	1.05		0.30		4,277.58
<b>Total</b>	<b>3.45</b>	<b>27.67</b>		<b>1.05</b>	<b>1.05</b>		<b>1.05</b>	<b>1.05</b>		<b>0.30</b>		<b>4,277.58</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.24	3.83	0.39	0.09	0.48	0.02	0.09	0.10		0.01		943.95
Worker	0.04	0.03	0.08	0.00	0.08	0.00	0.00	0.00		0.00		54.11
<b>Total</b>	<b>0.28</b>	<b>3.86</b>	<b>0.47</b>	<b>0.09</b>	<b>0.56</b>	<b>0.02</b>	<b>0.09</b>	<b>0.10</b>		<b>0.01</b>		<b>998.06</b>

**3.47 Future Restoration - 2014**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Total CO2	CH4	N2O	CO2e
Category	lb/day								lb/day			

**Moorpark-Newbury Single-Circuit 66 kv T/L  
Ventura County, Winter**

Fugitive Dust			0.00	0.00	0.00	0.00	0.00	0.00			0.00
Off-Road	3.52	28.52		1.05	1.05		1.05	1.05		0.31	4,492.75
<b>Total</b>	<b>3.52</b>	<b>28.52</b>	<b>0.00</b>	<b>1.05</b>	<b>1.05</b>	<b>0.00</b>	<b>1.05</b>	<b>1.05</b>		<b>0.31</b>	<b>4,492.75</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.06	0.96	0.10	0.02	0.12	0.00	0.02	0.03		0.00		236.05
Worker	0.05	0.04	0.09	0.00	0.09	0.00	0.00	0.01		0.00		63.13
<b>Total</b>	<b>0.11</b>	<b>1.00</b>	<b>0.19</b>	<b>0.02</b>	<b>0.21</b>	<b>0.00</b>	<b>0.02</b>	<b>0.04</b>		<b>0.00</b>		<b>299.18</b>

**3.48 Future Duct Bank Installation - 2014**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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	6.14	47.05		1.81	1.81		1.81	1.81		0.54		7,842.49
<b>Total</b>	<b>6.14</b>	<b>47.05</b>	<b>0.00</b>	<b>1.81</b>	<b>1.81</b>	<b>0.00</b>	<b>1.81</b>	<b>1.81</b>		<b>0.54</b>		<b>7,842.49</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.06	0.96	0.10	0.02	0.12	0.00	0.02	0.03		0.00		236.05
Worker	0.04	0.03	0.08	0.00	0.08	0.00	0.00	0.00		0.00		54.11
<b>Total</b>	<b>0.10</b>	<b>0.99</b>	<b>0.18</b>	<b>0.02</b>	<b>0.20</b>	<b>0.00</b>	<b>0.02</b>	<b>0.03</b>		<b>0.00</b>		<b>290.16</b>

**3.49 Future UG Cable Installation - 2014**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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	5.94	48.95		1.70	1.70		1.70	1.70		0.52		8,103.47
<b>Total</b>	<b>5.94</b>	<b>48.95</b>	<b>0.00</b>	<b>1.70</b>	<b>1.70</b>	<b>0.00</b>	<b>1.70</b>	<b>1.70</b>		<b>0.52</b>		<b>8,103.47</b>

**Moorpark-Newbury Single-Circuit 66 kv T/L**  
**Ventura County, Winter**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.06	0.96	0.10	0.02	0.12	0.00	0.02	0.03		0.00		236.05
Worker	0.05	0.05	0.10	0.00	0.11	0.00	0.00	0.01		0.00		72.15
<b>Total</b>	<b>0.11</b>	<b>1.01</b>	<b>0.20</b>	<b>0.02</b>	<b>0.23</b>	<b>0.00</b>	<b>0.02</b>	<b>0.04</b>		<b>0.00</b>		<b>308.20</b>

**3.50 Future Tree Trimming - 2014**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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	4.59	34.45		1.26	1.26		1.26	1.26		0.41		5,588.51
<b>Total</b>	<b>4.59</b>	<b>34.45</b>	<b>0.00</b>	<b>1.26</b>	<b>1.26</b>	<b>0.00</b>	<b>1.26</b>	<b>1.26</b>		<b>0.41</b>		<b>5,588.51</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	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	0.07	0.00	0.07	0.00	0.00	0.00		0.00		45.09
<b>Total</b>	<b>0.03</b>	<b>0.03</b>	<b>0.07</b>	<b>0.00</b>	<b>0.07</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>		<b>45.09</b>

## Moorpark-Newbury Single-Circuit 66 kv T/L Ventura County, Annual

### 1.0 Project

#### 1.1 Land Usage

Land Uses	Size	Metric
User Defined Industrial	0	User Defined Unit

#### 1.2 Other Project

Urbanization	Urban	Wind Speed (m/s)	2.6	Utility	Southern California Edison
Climate Zone	8	Precipitation Freq (Days)		Comp	

### 2.0 Emissions Summary

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Total CO2	CH4	N2O	CO2e
Year	tons/yr								MT/yr			
2010	0.60	5.51	0.17	0.23	0.40	0.06	0.23	0.29	577.34	0.05	0.00	578.35
2011	0.05	0.49	0.02	0.02	0.04	0.00	0.02	0.02	56.62	0.00	0.00	56.71
2014	1.30	10.55	0.07	0.39	0.45	0.00	0.39	0.39	1,585.17	0.10	0.00	1,587.35
<b>Total</b>	<b>1.95</b>	<b>16.55</b>	<b>0.26</b>	<b>0.64</b>	<b>0.89</b>	<b>0.06</b>	<b>0.64</b>	<b>0.70</b>	<b>2,219.13</b>	<b>0.15</b>	<b>0.00</b>	<b>2,222.41</b>

### 3.0 Construction Detail

#### 3.2 Previous Survey - 2010

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Off-Road	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.96	0.00	0.00	0.96

**Moorpark-Newbury Single-Circuit 66 kv T/L  
Ventura County, Annual**

Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.16
<b>Total</b>	<b>0.00</b>	<b>0.01</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>1.12</b>	<b>0.00</b>	<b>0.00</b>	<b>1.12</b>

**3.3 Previous Wood Pole Removal - 2010**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Off-Road	0.01	0.09		0.00	0.00		0.00	0.00	8.39	0.00	0.00	8.41
<b>Total</b>	<b>0.01</b>	<b>0.09</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>8.39</b>	<b>0.00</b>	<b>0.00</b>	<b>8.41</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.85	0.00	0.00	0.85
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.11
<b>Total</b>	<b>0.00</b>	<b>0.01</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.96</b>	<b>0.00</b>	<b>0.00</b>	<b>0.96</b>

**3.4 Previous LWS Pole Haul - 2010**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Off-Road	0.02	0.21		0.01	0.01		0.01	0.01	21.67	0.00	0.00	21.71
<b>Total</b>	<b>0.02</b>	<b>0.21</b>	<b>0.00</b>	<b>0.01</b>	<b>0.01</b>	<b>0.00</b>	<b>0.01</b>	<b>0.01</b>	<b>21.67</b>	<b>0.00</b>	<b>0.00</b>	<b>21.71</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	1.49	0.00	0.00	1.49
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.00	0.25
<b>Total</b>	<b>0.00</b>	<b>0.01</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>1.74</b>	<b>0.00</b>	<b>0.00</b>	<b>1.74</b>



**Moorpark-Newbury Single-Circuit 66 kv T/L  
Ventura County, Annual**

**3.5 Previous LWS Pole Assembly - 2010**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Off-Road	0.01	0.12		0.01	0.01		0.01	0.01	10.94	0.00	0.00	10.96
<b>Total</b>	<b>0.01</b>	<b>0.12</b>	<b>0.00</b>	<b>0.01</b>	<b>0.01</b>	<b>0.00</b>	<b>0.01</b>	<b>0.01</b>	<b>10.94</b>	<b>0.00</b>	<b>0.00</b>	<b>10.96</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	1.49	0.00	0.00	1.49
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.00	0.00	0.50
<b>Total</b>	<b>0.00</b>	<b>0.01</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>1.99</b>	<b>0.00</b>	<b>0.00</b>	<b>1.99</b>

**3.6 Previous Instal LWS Pole - 2010**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Off-Road	0.04	0.37		0.01	0.01		0.01	0.01	37.84	0.00	0.00	37.91
<b>Total</b>	<b>0.04</b>	<b>0.37</b>	<b>0.00</b>	<b>0.01</b>	<b>0.01</b>	<b>0.00</b>	<b>0.01</b>	<b>0.01</b>	<b>37.84</b>	<b>0.00</b>	<b>0.00</b>	<b>37.91</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	1.49	0.00	0.00	1.49
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.00	0.00	0.38
<b>Total</b>	<b>0.00</b>	<b>0.01</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>1.87</b>	<b>0.00</b>	<b>0.00</b>	<b>1.87</b>

**3.7 Previous Sub Civil MP - 2010**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Total CO2	CH4	N2O	CO2e
Category	tons/yr								MT/yr			

**Moorpark-Newbury Single-Circuit 66 kv T/L**  
**Ventura County, Annual**

Fugitive Dust			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
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	2.26	0.00	0.00	2.26
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.08
<b>Total</b>	<b>0.00</b>	<b>0.01</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>2.34</b>	<b>0.00</b>	<b>0.00</b>	<b>2.34</b>

**3.8 Previous Sub Wiring MP - 2010**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Off-Road	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	4.39	0.00	0.00	4.40
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.74	0.00	0.00	0.74
<b>Total</b>	<b>0.00</b>	<b>0.03</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>5.13</b>	<b>0.00</b>	<b>0.00</b>	<b>5.14</b>

**3.9 Previous Install TSP Foundation - 2010**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Total CO2	CH4	N2O	CO2e
Category	tons/yr								MT/yr			
Fugitive Dust			0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.14	1.34		0.05	0.05		0.05	0.05	146.39	0.01	0.00	146.63
<b>Total</b>	<b>0.14</b>	<b>1.34</b>	<b>0.02</b>	<b>0.05</b>	<b>0.07</b>	<b>0.00</b>	<b>0.05</b>	<b>0.05</b>	<b>146.39</b>	<b>0.01</b>	<b>0.00</b>	<b>146.63</b>

**Moorpark-Newbury Single-Circuit 66 kv T/L  
Ventura County, Annual**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	3.03	0.00	0.00	3.03
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.53	0.00	0.00	1.53
<b>Total</b>	<b>0.00</b>	<b>0.02</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>4.56</b>	<b>0.00</b>	<b>0.00</b>	<b>4.56</b>

**3.9 Previous Install TSP Foundation - 2011**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Total CO2	CH4	N2O	CO2e
Category	tons/yr								MT/yr			
Fugitive Dust			0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.01	0.11		0.00	0.00		0.00	0.00	12.84	0.00	0.00	12.86
<b>Total</b>	<b>0.01</b>	<b>0.11</b>	<b>0.02</b>	<b>0.00</b>	<b>0.02</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>12.84</b>	<b>0.00</b>	<b>0.00</b>	<b>12.86</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00	0.27
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.13
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.40</b>	<b>0.00</b>	<b>0.00</b>	<b>0.40</b>

**3.10 Previous Drill&Fill TSP Foundation - 2010**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Off-Road	0.00	0.02		0.00	0.00		0.00	0.00	1.87	0.00	0.00	1.88
<b>Total</b>	<b>0.00</b>	<b>0.02</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>1.87</b>	<b>0.00</b>	<b>0.00</b>	<b>1.88</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Total CO2	CH4	N2O	CO2e
Category	tons/yr								MT/yr			

**Moorpark-Newbury Single-Circuit 66 kv T/L**  
**Ventura County, Annual**

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
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.32	0.00	0.00	0.32
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.16
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.48</b>	<b>0.00</b>	<b>0.00</b>	<b>0.48</b>

**3.11 Previous TSP Haul - 2010**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Off-Road	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.00	0.00	0.64
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.11
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.75</b>	<b>0.00</b>	<b>0.00</b>	<b>0.75</b>

**3.12 Previous TSP Assembly - 2010**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Off-Road	0.01	0.09		0.01	0.01		0.01	0.01	6.89	0.00	0.00	6.92
<b>Total</b>	<b>0.01</b>	<b>0.09</b>	<b>0.00</b>	<b>0.01</b>	<b>0.01</b>	<b>0.00</b>	<b>0.01</b>	<b>0.01</b>	<b>6.89</b>	<b>0.00</b>	<b>0.00</b>	<b>6.92</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	4.68	0.00	0.00	4.69
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.79	0.00	0.00	0.79
<b>Total</b>	<b>0.00</b>	<b>0.03</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>5.47</b>	<b>0.00</b>	<b>0.00</b>	<b>5.48</b>

**Moorpark-Newbury Single-Circuit 66 kv T/L**  
**Ventura County, Annual**

**3.13 Previous TSP Erection - 2010**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Off-Road	0.08	0.72		0.03	0.03		0.03	0.03	72.91	0.01	0.00	73.04
<b>Total</b>	<b>0.08</b>	<b>0.72</b>	<b>0.00</b>	<b>0.03</b>	<b>0.03</b>	<b>0.00</b>	<b>0.03</b>	<b>0.03</b>	<b>72.91</b>	<b>0.01</b>	<b>0.00</b>	<b>73.04</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	4.90	0.00	0.00	4.90
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.82	0.00	0.00	0.82
<b>Total</b>	<b>0.00</b>	<b>0.03</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>5.72</b>	<b>0.00</b>	<b>0.00</b>	<b>5.72</b>

**3.14 Previous Vault Installation - 2010**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Off-Road	0.03	0.28		0.01	0.01		0.01	0.01	27.86	0.00	0.00	27.91
<b>Total</b>	<b>0.03</b>	<b>0.28</b>	<b>0.00</b>	<b>0.01</b>	<b>0.01</b>	<b>0.00</b>	<b>0.01</b>	<b>0.01</b>	<b>27.86</b>	<b>0.00</b>	<b>0.00</b>	<b>27.91</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.00	0.00	0.64
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.16
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.80</b>	<b>0.00</b>	<b>0.00</b>	<b>0.80</b>

**3.15 Previous Duct Bank Installation - 2010**

**Moorpark-Newbury Single-Circuit 66 kv T/L**  
**Ventura County, Annual**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Off-Road	0.06	0.54		0.02	0.02		0.02	0.02	54.18	0.00	0.00	54.27
<b>Total</b>	<b>0.06</b>	<b>0.54</b>	<b>0.00</b>	<b>0.02</b>	<b>0.02</b>	<b>0.00</b>	<b>0.02</b>	<b>0.02</b>	<b>54.18</b>	<b>0.00</b>	<b>0.00</b>	<b>54.27</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.00	0.00	0.64
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.16
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.80</b>	<b>0.00</b>	<b>0.00</b>	<b>0.80</b>

**3.16 Previous Sub Civil NB - 2010**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Off-Road	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	1.28	0.00	0.00	1.28
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.08
<b>Total</b>	<b>0.00</b>	<b>0.01</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>1.36</b>	<b>0.00</b>	<b>0.00</b>	<b>1.36</b>

**3.17 Previous Sub Wiring NB - 2010**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Off-Road	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00

**Moorpark-Newbury Single-Circuit 66 kv T/L**  
**Ventura County, Annual**

<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
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	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.53	0.00	0.00	0.53
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.04
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.57</b>	<b>0.00</b>	<b>0.00</b>	<b>0.57</b>

**3.18 Previous ROW Clearing - 2010**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Total CO2	CH4	N2O	CO2e
Category	tons/yr								MT/yr			
Fugitive Dust			0.02	0.00	0.02	0.01	0.00	0.01	0.00	0.00	0.00	0.00
Off-Road	0.01	0.11		0.01	0.01		0.01	0.01	10.38	0.00	0.00	10.40
<b>Total</b>	<b>0.01</b>	<b>0.11</b>	<b>0.02</b>	<b>0.01</b>	<b>0.03</b>	<b>0.01</b>	<b>0.01</b>	<b>0.02</b>	<b>10.38</b>	<b>0.00</b>	<b>0.00</b>	<b>10.40</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.43	0.00	0.00	0.43
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.09
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.52</b>	<b>0.00</b>	<b>0.00</b>	<b>0.52</b>

**3.19 Previous Roads and Landing Work - 2010**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Total CO2	CH4	N2O	CO2e
Category	tons/yr								MT/yr			
Fugitive Dust			0.09	0.00	0.09	0.05	0.00	0.05	0.00	0.00	0.00	0.00
Off-Road	0.08	0.75		0.03	0.03		0.03	0.03	71.65	0.01	0.00	71.79
<b>Total</b>	<b>0.08</b>	<b>0.75</b>	<b>0.09</b>	<b>0.03</b>	<b>0.12</b>	<b>0.05</b>	<b>0.03</b>	<b>0.08</b>	<b>71.65</b>	<b>0.01</b>	<b>0.00</b>	<b>71.79</b>

**Moorpark-Newbury Single-Circuit 66 kv T/L**  
**Ventura County, Annual**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	5.22	0.00	0.00	5.22
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.63	0.00	0.00	0.63
<b>Total</b>	<b>0.00</b>	<b>0.03</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>5.85</b>	<b>0.00</b>	<b>0.00</b>	<b>5.85</b>

**3.20 Previous Tree Trimming and Removal - 2010**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Total CO2	CH4	N2O	CO2e
Category	tons/yr								MT/yr			
Off-Road	0.08	0.63		0.03	0.03		0.03	0.03	63.71	0.01	0.00	63.86
<b>Total</b>	<b>0.08</b>	<b>0.63</b>		<b>0.03</b>	<b>0.03</b>		<b>0.03</b>	<b>0.03</b>	<b>63.71</b>	<b>0.01</b>	<b>0.00</b>	<b>63.86</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
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
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.63	0.00	0.00	0.63
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.63</b>	<b>0.00</b>	<b>0.00</b>	<b>0.63</b>

**3.21 Previous Install Conductor - 2011**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Off-Road	0.04	0.34		0.01	0.01		0.01	0.01	38.04	0.00	0.00	38.10
<b>Total</b>	<b>0.04</b>	<b>0.34</b>	<b>0.00</b>	<b>0.01</b>	<b>0.01</b>	<b>0.00</b>	<b>0.01</b>	<b>0.01</b>	<b>38.04</b>	<b>0.00</b>	<b>0.00</b>	<b>38.10</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.00	0.00	0.64



**Moorpark-Newbury Single-Circuit 66 kv T/L  
Ventura County, Annual**

Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.35	0.00	0.00	0.35
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.99</b>	<b>0.00</b>	<b>0.00</b>	<b>0.99</b>

**3.22 Previous Restoration - 2011**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Off-Road	0.00	0.04		0.00	0.00		0.00	0.00	4.07	0.00	0.00	4.08
<b>Total</b>	<b>0.00</b>	<b>0.04</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>4.07</b>	<b>0.00</b>	<b>0.00</b>	<b>4.08</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.00	0.21
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.06
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.27</b>	<b>0.00</b>	<b>0.00</b>	<b>0.27</b>

**3.23 Future Survey - 2014**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Off-Road	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	2.14	0.00	0.00	2.14
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.17
<b>Total</b>	<b>0.00</b>	<b>0.01</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>2.31</b>	<b>0.00</b>	<b>0.00</b>	<b>2.31</b>

**Moorpark-Newbury Single-Circuit 66 kv T/L  
Ventura County, Annual**

**3.24 Future LST Foundation Removal - 2014**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Total CO2	CH4	N2O	CO2e
Category	tons/yr								MT/yr			
Off-Road	0.01	0.07		0.00	0.00		0.00	0.00	9.58	0.00	0.00	9.59
<b>Total</b>	<b>0.01</b>	<b>0.07</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>9.58</b>	<b>0.00</b>	<b>0.00</b>	<b>9.59</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.37	0.00	0.00	0.37
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.12
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.49</b>	<b>0.00</b>	<b>0.00</b>	<b>0.49</b>

**3.25 Future Marshalling Yards - 2014**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Off-Road	0.17	1.37		0.05	0.05		0.05	0.05	202.75	0.01	0.00	203.05
<b>Total</b>	<b>0.17</b>	<b>1.37</b>	<b>0.00</b>	<b>0.05</b>	<b>0.05</b>	<b>0.00</b>	<b>0.05</b>	<b>0.05</b>	<b>202.75</b>	<b>0.01</b>	<b>0.00</b>	<b>203.05</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	8.14	0.00	0.00	8.14
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.51	0.00	0.00	2.52
<b>Total</b>	<b>0.00</b>	<b>0.03</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>10.65</b>	<b>0.00</b>	<b>0.00</b>	<b>10.66</b>

**3.26 Future Wood Pole Removal - 2014**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Total CO2	CH4	N2O	CO2e
Category	tons/yr								MT/yr			

**Moorpark-Newbury Single-Circuit 66 kv T/L**  
**Ventura County, Annual**

Fugitive Dust			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.00	0.02		0.00	0.00		0.00	0.00	2.10	0.00	0.00	2.10
<b>Total</b>	<b>0.00</b>	<b>0.02</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>2.10</b>	<b>0.00</b>	<b>0.00</b>	<b>2.10</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.00	0.21
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.02
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.23</b>	<b>0.00</b>	<b>0.00</b>	<b>0.23</b>

**3.27 Future LST Removal - 2014**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Off-Road	0.04	0.33		0.01	0.01		0.01	0.01	41.32	0.00	0.00	41.39
<b>Total</b>	<b>0.04</b>	<b>0.33</b>	<b>0.00</b>	<b>0.01</b>	<b>0.01</b>	<b>0.00</b>	<b>0.01</b>	<b>0.01</b>	<b>41.32</b>	<b>0.00</b>	<b>0.00</b>	<b>41.39</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	3.00
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.93	0.00	0.00	0.93
<b>Total</b>	<b>0.00</b>	<b>0.01</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>3.93</b>	<b>0.00</b>	<b>0.00</b>	<b>3.93</b>

**3.28 Future Install TSP Foundations - 2014**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Off-Road	0.06	0.44		0.02	0.02		0.02	0.02	71.91	0.00	0.00	72.00
<b>Total</b>	<b>0.06</b>	<b>0.44</b>	<b>0.00</b>	<b>0.02</b>	<b>0.02</b>	<b>0.00</b>	<b>0.02</b>	<b>0.02</b>	<b>71.91</b>	<b>0.00</b>	<b>0.00</b>	<b>72.00</b>

**Moorpark-Newbury Single-Circuit 66 kv T/L  
Ventura County, Annual**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	1.50	0.00	0.00	1.50
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.69	0.00	0.00	0.70
<b>Total</b>	<b>0.00</b>	<b>0.01</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>2.19</b>	<b>0.00</b>	<b>0.00</b>	<b>2.20</b>

**3.29 Future TSP Haul - 2014**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Off-Road	0.01	0.06		0.00	0.00		0.00	0.00	9.29	0.00	0.00	9.30
<b>Total</b>	<b>0.01</b>	<b>0.06</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>9.29</b>	<b>0.00</b>	<b>0.00</b>	<b>9.30</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.00	0.00	0.64
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.10
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.74</b>	<b>0.00</b>	<b>0.00</b>	<b>0.74</b>

**3.30 Future TSP Assembly - 2014**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Off-Road	0.02	0.14		0.01	0.01		0.01	0.01	17.19	0.00	0.00	17.22
<b>Total</b>	<b>0.02</b>	<b>0.14</b>	<b>0.00</b>	<b>0.01</b>	<b>0.01</b>	<b>0.00</b>	<b>0.01</b>	<b>0.01</b>	<b>17.19</b>	<b>0.00</b>	<b>0.00</b>	<b>17.22</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Total CO2	CH4	N2O	CO2e
Category	tons/yr								MT/yr			

**Moorpark-Newbury Single-Circuit 66 kv T/L  
Ventura County, Annual**

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
Vendor	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	2.35	0.00	0.00	2.35
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.73
<b>Total</b>	<b>0.00</b>	<b>0.01</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>3.08</b>	<b>0.00</b>	<b>0.00</b>	<b>3.08</b>

**3.31 Future TSP Erection - 2014**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Off-Road	0.03	0.24		0.01	0.01		0.01	0.01	30.71	0.00	0.00	30.76
<b>Total</b>	<b>0.03</b>	<b>0.24</b>	<b>0.00</b>	<b>0.01</b>	<b>0.01</b>	<b>0.00</b>	<b>0.01</b>	<b>0.01</b>	<b>30.71</b>	<b>0.00</b>	<b>0.00</b>	<b>30.76</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	4.71	0.00	0.00	4.71
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.73
<b>Total</b>	<b>0.00</b>	<b>0.02</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>5.44</b>	<b>0.00</b>	<b>0.00</b>	<b>5.44</b>

**3.32 Future LWS Pole Haul - 2014**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Off-Road	0.00	0.01		0.00	0.00		0.00	0.00	1.55	0.00	0.00	1.55
<b>Total</b>	<b>0.00</b>	<b>0.01</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>1.55</b>	<b>0.00</b>	<b>0.00</b>	<b>1.55</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.11
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.02
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.13</b>	<b>0.00</b>	<b>0.00</b>	<b>0.13</b>

**Moorpark-Newbury Single-Circuit 66 kv T/L**  
**Ventura County, Annual**

**3.33 Future LWS Pole Assembly - 2014**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Off-Road	0.00	0.01		0.00	0.00		0.00	0.00	0.78	0.00	0.00	0.78
<b>Total</b>	<b>0.00</b>	<b>0.01</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.78</b>	<b>0.00</b>	<b>0.00</b>	<b>0.78</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.00	0.21
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.03
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.24</b>	<b>0.00</b>	<b>0.00</b>	<b>0.24</b>

**3.34 Future Instal LWS Pole - 2014**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Off-Road	0.00	0.02		0.00	0.00		0.00	0.00	2.70	0.00	0.00	2.71
<b>Total</b>	<b>0.00</b>	<b>0.02</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>2.70</b>	<b>0.00</b>	<b>0.00</b>	<b>2.71</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.11
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.02
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.13</b>	<b>0.00</b>	<b>0.00</b>	<b>0.13</b>

**3.35 Future Sub Electrical MP - 2014**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Total CO2	CH4	N2O	CO2e
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**Moorpark-Newbury Single-Circuit 66 kv T/L  
Ventura County, Annual**

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
Off-Road	0.00	0.03		0.00	0.00		0.00	0.00	3.12	0.00	0.00	3.12
<b>Total</b>	<b>0.00</b>	<b>0.03</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>3.12</b>	<b>0.00</b>	<b>0.00</b>	<b>3.12</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	1.34	0.00	0.00	1.34
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.03	0.00	0.00	1.04
<b>Total</b>	<b>0.00</b>	<b>0.01</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>2.37</b>	<b>0.00</b>	<b>0.00</b>	<b>2.38</b>

**3.36 Future Sub Wiring MP - 2014**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Off-Road	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	4.42	0.00	0.00	4.42
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.68	0.00	0.00	0.68
<b>Total</b>	<b>0.00</b>	<b>0.02</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>5.10</b>	<b>0.00</b>	<b>0.00</b>	<b>5.10</b>

**3.37 Future Sub Test/Maint MP - 2014**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Off-Road	0.02	0.12		0.01	0.01		0.01	0.01	11.44	0.00	0.00	11.48
<b>Total</b>	<b>0.02</b>	<b>0.12</b>	<b>0.00</b>	<b>0.01</b>	<b>0.01</b>	<b>0.00</b>	<b>0.01</b>	<b>0.01</b>	<b>11.44</b>	<b>0.00</b>	<b>0.00</b>	<b>11.48</b>

**Moorpark-Newbury Single-Circuit 66 kv T/L  
Ventura County, Annual**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	1.87	0.00	0.00	1.87
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.72	0.00	0.00	0.72
<b>Total</b>	<b>0.00</b>	<b>0.01</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>2.59</b>	<b>0.00</b>	<b>0.00</b>	<b>2.59</b>

**3.38 Future Sub Electrical NB - 2014**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Off-Road	0.00	0.03		0.00	0.00		0.00	0.00	3.12	0.00	0.00	3.12
<b>Total</b>	<b>0.00</b>	<b>0.03</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>3.12</b>	<b>0.00</b>	<b>0.00</b>	<b>3.12</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	1.34	0.00	0.00	1.34
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.03	0.00	0.00	1.04
<b>Total</b>	<b>0.00</b>	<b>0.01</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>2.37</b>	<b>0.00</b>	<b>0.00</b>	<b>2.38</b>

**3.39 Future Sub Wiring NB - 2014**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Off-Road	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Total CO2	CH4	N2O	CO2e
Category	tons/yr								MT/yr			



**Moorpark-Newbury Single-Circuit 66 kv T/L**  
**Ventura County, Annual**

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
Vendor	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	8.03	0.00	0.00	8.03
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.00	0.25
<b>Total</b>	<b>0.00</b>	<b>0.03</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>8.28</b>	<b>0.00</b>	<b>0.00</b>	<b>8.28</b>

**3.40 Future Sub Test/Maint NB - 2014**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Off-Road	0.00	0.00		0.00	0.00		0.00	0.00	0.33	0.00	0.00	0.33
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.33</b>	<b>0.00</b>	<b>0.00</b>	<b>0.33</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.05
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.02
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.07</b>	<b>0.00</b>	<b>0.00</b>	<b>0.07</b>

**3.41 Future ROW Clearing - 2014**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Off-Road	0.01	0.06		0.00	0.00		0.00	0.00	7.68	0.00	0.00	7.69
<b>Total</b>	<b>0.01</b>	<b>0.06</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>7.68</b>	<b>0.00</b>	<b>0.00</b>	<b>7.69</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.00	0.21
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.04
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.25</b>	<b>0.00</b>	<b>0.00</b>	<b>0.25</b>

**Moorpark-Newbury Single-Circuit 66 kv T/L  
Ventura County, Annual**

**3.42 Future Roads and Landing Work - 2014**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Off-Road	0.01	0.11		0.00	0.00		0.00	0.00	15.27	0.00	0.00	15.29
<b>Total</b>	<b>0.01</b>	<b>0.11</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>15.27</b>	<b>0.00</b>	<b>0.00</b>	<b>15.29</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.00	0.00	0.64
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.12
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.76</b>	<b>0.00</b>	<b>0.00</b>	<b>0.76</b>

**3.43 Future Remove Existing Conductor - 2014**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Total CO2	CH4	N2O	CO2e
Category	tons/yr								MT/yr			
Off-Road	0.07	0.60		0.02	0.02		0.02	0.02	88.17	0.01	0.00	88.29
<b>Total</b>	<b>0.07</b>	<b>0.60</b>		<b>0.02</b>	<b>0.02</b>		<b>0.02</b>	<b>0.02</b>	<b>88.17</b>	<b>0.01</b>	<b>0.00</b>	<b>88.29</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	1.61	0.00	0.00	1.61
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.87	0.00	0.00	0.87
<b>Total</b>	<b>0.00</b>	<b>0.01</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>2.48</b>	<b>0.00</b>	<b>0.00</b>	<b>2.48</b>

**3.44 Future Guard Structure Installation - 2014**

**Moorpark-Newbury Single-Circuit 66 kv T/L**  
**Ventura County, Annual**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Total CO2	CH4	N2O	CO2e
Category	tons/yr								MT/yr			
Off-Road	0.01	0.05		0.00	0.00		0.00	0.00	6.88	0.00	0.00	6.89
<b>Total</b>	<b>0.01</b>	<b>0.05</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>6.88</b>	<b>0.00</b>	<b>0.00</b>	<b>6.89</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.00	0.00	0.64
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.07
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.71</b>	<b>0.00</b>	<b>0.00</b>	<b>0.71</b>

**3.45 Future Install Conductor - 2014**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Off-Road	0.75	6.13		0.21	0.21		0.21	0.21	913.04	0.06	0.00	914.29
<b>Total</b>	<b>0.75</b>	<b>6.13</b>	<b>0.00</b>	<b>0.21</b>	<b>0.21</b>	<b>0.00</b>	<b>0.21</b>	<b>0.21</b>	<b>913.04</b>	<b>0.06</b>	<b>0.00</b>	<b>914.29</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.00	0.06	0.01	0.00	0.01	0.00	0.00	0.00	15.41	0.00	0.00	15.42
Worker	0.01	0.01	0.01	0.00	0.01	0.00	0.00	0.00	7.94	0.00	0.00	7.95
<b>Total</b>	<b>0.01</b>	<b>0.07</b>	<b>0.02</b>	<b>0.00</b>	<b>0.02</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>23.35</b>	<b>0.00</b>	<b>0.00</b>	<b>23.37</b>

**3.46 Future Guard Structure Removal - 2014**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Total CO2	CH4	N2O	CO2e
Category	tons/yr								MT/yr			
Off-Road	0.00	0.03		0.00	0.00		0.00	0.00	3.87	0.00	0.00	3.88
<b>Total</b>	<b>0.00</b>	<b>0.03</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>3.87</b>	<b>0.00</b>	<b>0.00</b>	<b>3.88</b>

**Moorpark-Newbury Single-Circuit 66 kv T/L**  
**Ventura County, Annual**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.86	0.00	0.00	0.86
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.05
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.91</b>	<b>0.00</b>	<b>0.00</b>	<b>0.91</b>

**3.47 Future Restoration - 2014**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Off-Road	0.01	0.04		0.00	0.00		0.00	0.00	6.10	0.00	0.00	6.11
<b>Total</b>	<b>0.01</b>	<b>0.04</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>6.10</b>	<b>0.00</b>	<b>0.00</b>	<b>6.11</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.32	0.00	0.00	0.32
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.09
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.41</b>	<b>0.00</b>	<b>0.00</b>	<b>0.41</b>

**3.48 Future Duct Bank Installation - 2014**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Off-Road	0.01	0.05		0.00	0.00		0.00	0.00	7.10	0.00	0.00	7.11
<b>Total</b>	<b>0.01</b>	<b>0.05</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>7.10</b>	<b>0.00</b>	<b>0.00</b>	<b>7.11</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Total CO2	CH4	N2O	CO2e
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**Moorpark-Newbury Single-Circuit 66 kv T/L  
Ventura County, Annual**

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
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.00	0.21
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.05
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.26</b>	<b>0.00</b>	<b>0.00</b>	<b>0.26</b>

**3.49 Future UG Cable Installation - 2014**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Off-Road	0.01	0.12		0.00	0.00		0.00	0.00	18.35	0.00	0.00	18.37
<b>Total</b>	<b>0.01</b>	<b>0.12</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>18.35</b>	<b>0.00</b>	<b>0.00</b>	<b>18.37</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.54	0.00	0.00	0.54
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.17
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.71</b>	<b>0.00</b>	<b>0.00</b>	<b>0.71</b>

**3.50 Future Tree Trimming - 2014**

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
Off-Road	0.03	0.21		0.01	0.01		0.01	0.01	30.36	0.00	0.00	30.41
<b>Total</b>	<b>0.03</b>	<b>0.21</b>	<b>0.00</b>	<b>0.01</b>	<b>0.01</b>	<b>0.00</b>	<b>0.01</b>	<b>0.01</b>	<b>30.36</b>	<b>0.00</b>	<b>0.00</b>	<b>30.41</b>

	ROG	NOx	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	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
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
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.00	0.25
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.25</b>	<b>0.00</b>	<b>0.00</b>	<b>0.25</b>

**Moorpark-Newbury Single-Circuit 66 kv T/L**  
**Ventura County, Annual**

**Operational GHG Emissions**

Equipment	Quantity	SF6 content (lbs)	Rate of leakage (per year)	Total SF6 emisisions (lbs/yr)	SF6 Emissions (MT/yr)	SF6 GWP	CO2e (MT/yr)
1200 amp circuit breaker	4	30	0.50%	0.6	2.73E-04	22,800	6.22
<b>Annual Operational Emissions</b>							6.22
<b>Amortized (30 years) Construction Emissions</b>							53
<b>Total Emissions</b>							59

CO2e = Carbon dioxide equivalent

GWP = Global Warming Potential

lbs = pounds

MT = metric tons

SF = Sulfur Hexafluoride

yr = years