

DEF-12 O&M TRIPS

CPUC COMMENT

Attachment 5.3-A does not include the O&M trips assumptions. Please provide assumptions for O&M annual trips and trip length. According to Attachment 5.3-A Table 39, O&M would generate 60 trips per year. One-way trip distance was assumed to be 120 miles.

In addition, for Welding Truck_395 (activity index P-19), one-way trip distance was assumed to be 10 miles.

Attachment 5.3-A, Table 39, does not include consistent assumptions defined as table notes.

CPUC REQUEST

Please clarify the correct O&M trip values and update the calculations as applicable.

LSPGC RESPONSE

The operation and maintenance (O&M) of the LSPGC Proposed Project components, including the proposed LSGPC Collinsville Substation, 230 kV Transmission Line, and Telecommunications Extension, would generate approximately 60 truck trips a year, or an average of five truck trips per month. Each truck trip was assumed to be 60 miles one-way or 120 miles round trip. The PG&E Proposed Project components represent an incremental increase in PG&E's existing facilities in the region. As a result, it has been assumed that regular O&M of these components would be covered by PG&E's existing O&M activities in the region and no additional trips have been accounted for in the air quality analysis. As a result, no modifications have been made to the calculations as they currently account for all planned changes to O&M activities.

CPUC REQUEST

Please verify the one-way trip distance assumptions for Welding Truck.

LSPGC RESPONSE

The one-way trip distance assumptions for the welding truck use associated with PG&E's existing substation modifications was originally under-estimated at 10 miles. Consistent with other on-road vehicle use associated with the Proposed Project, the welding truck distance has been adjusted to 60 miles and the emissions calculations within the Bay Area Air Quality Management District (BAAQMD) have been revised accordingly. A revised version of the calculation tables that support Attachment 5.3-A: Air Quality and GHG Calculations has been provided reflecting these updated calculations. Values that have been affected have been outlined in a dashed orange border and the cells have been shaded orange.

A revised version of Table 5.3-7: BAAQMD Average Daily Construction Emissions from the Final Proponent's Environmental Assessment (PEA) has been included below in redline/strikeout, reporting the updated criteria air pollutant emissions associated with the change

in on-road welding truck use. Welding trucks are limited to use in 2026 and are not anticipated to be used within the Sacramento Metropolitan Air Quality Management District. As shown in the revised version of the table, controlled emissions continue to be below all applicable BAAQMD thresholds and the conclusions within Section 5.3: Air Quality would not be affected by the increase in welding truck use.

Revised Table 5.3-7: BAAQMD Average Daily Construction Emissions

Construction Year	Average Daily Emissions (pounds per day)				
	ROG	NO _x	SO ₂	PM ₁₀ Exhaust	PM _{2.5} Exhaust
Uncontrolled Emissions					
2026	12.4	113.8 114.0	0.4	4.5	3.8
2027	14.7	123.8	0.3	6.0	5.0
2028	5.1	46.8	0.1	2.3	2.0
Threshold	54	54	--	82	54
Exceeded?	No	Yes	N/A	No	No
Controlled Emissions					
2026	4.9	53.5 53.7	0.4	2.2	1.7
2027	7.6	51.4	0.3	3.4	2.6
2028	2.3	16.6	0.1	1.2	1.0
Threshold	54	54	--	82	54
Exceeded?	No	No	N/A	No	No

Notes: Values shown in bold text exceed the applicable threshold. Emissions from both LSPGC and PG&E Proposed Project components within the BAAQMD's jurisdiction are accounted for.

In addition, the greenhouse gas (GHG) emissions associated with the change in on-road welding truck use were also recalculated. The minor increase in welding truck use within the BAAQMD during 2026 did not result in any changes to the values displayed in Table 5.8-1: GHG Emissions from the Final PEA, as the increases were absorbed in the rounding process. As a result, the conclusions within Section 5.8: Greenhouse Gas Emissions would not be affected by the increase in welding truck use.

Section 5.6.4.1.1 of the Final PEA reported the anticipated fuel consumption associated with the construction phase of the Proposed Project. With the increase in welding truck use, the anticipated diesel fuel consumption would increase from approximately 672,338 gallons to approximately 674,728 gallons. Due to this minor increase, the conclusions within Section 5.6: Energy would not be affected by the change in welding truck use. A revised version of Attachment 5.6-A: Construction Fuel Consumption has been provided reflecting these updated calculations. Values that have been affected have been outlined in a dashed orange border and the cells have been shaded orange.

The anticipated volume of hazardous materials that would be used during construction of the Proposed Project is presented in Table 5.9-2: Types, Uses, and Volumes of Hazardous Materials of the Final PEA. A revised version of this table in redline/strikeout has been presented below incorporating the revised estimate of diesel fuel consumption. The anticipated lubricant/hydraulic fluid and miscellaneous construction fluid uses have also been refined. Due to the minor increase in material volume, the conclusions within Section 5.9: Hazards, Hazardous Materials, and Public Safety would not be affected by the increase in welding truck use.

Revised Table 5.9-1: Types, Uses, and Volumes of Hazardous Materials

Hazardous Material Type	Use	Estimated Volume (gallons)
Diesel	Engine fuel	672,338 <u>674,728</u>
Gasoline	Engine fuel	195,088
Jet	Engine fuel	16,428
Lubricants/Hydraulic Fluids	Engine and equipment lubrication/powering hydraulic equipment	44,139 <u>44,312</u>
Miscellaneous Construction Fluids (solvents, etc.)	Cleaning/lubricating hardware, etc.	2,210 <u>2,216</u>

Notes:

- Diesel, gasoline, and jet fuel volumes developed through air quality modeling analysis.
- Lubricants/hydraulic fluids consumption assumed at 5 percent of fuel consumption.
- Miscellaneous construction fluid volumes assumed at 5 percent of lubricants/hydraulic fluids volume.

CPUC REQUEST

Please add table notes for assumptions on Table 39.

LSPGC RESPONSE

A revised version of the calculation tables that support Attachment 5.3-A: Air Quality and GHG Calculations has been prepared which includes additional notes for Table 39 that clarify the assumptions that have been included for O&M activities.

ATTACHMENT 5.6-A: CONSTRUCTION FUEL CONSUMPTION

Table 1: Fuel Consumption Cals

EquipIndex	Activity Index	Activity Name	Equipment Name	HP	Fuel Type	Quantity	Hours Per Day	Working Days	Load Factor	On Distance	VMT	On Efficiency	On Fuel Use	Off BSFC	Off Use	Helo Efficiency	Helo Use	Fuel Category
1	L-01	Survey	Pickup - 1/2 Ton	395	Gasoline	2	4	26		40	160	27.3	152.4					Construction Vehicles
2	L-02	Site Development/Staging Yards	Truck - Water 4 K	300	Diesel	4	10	76		40	320	8.5	2849.0					Construction Vehicles
3	L-02	Site Development/Staging Yards	Loader - 4-5 Yd	230	Diesel	2	10	76	0.36					0.4	6497.3			Construction Equipment
4	L-02	Site Development/Staging Yards	Truck - Dump 10-12 Yd	415	Diesel	5	10	76		40	400	6.0	5046.7					Construction Vehicles
5	L-02	Site Development/Staging Yards	Motor Grader	250	Diesel	2	10	76	0.41					0.4	8043.1			Construction Equipment
6	L-02	Site Development/Staging Yards	Scraper	410	Diesel	4	10	76	0.48					0.4	30885.6			Construction Equipment
7	L-02	Site Development/Staging Yards	Vibratory Roller	157	Diesel	2	10	76	0.38					0.4	4681.5			Construction Equipment
8	L-02	Site Development/Staging Yards	Pickup - 1/2 Ton	395	Gasoline	4	4	76		40	320	27.3	890.9					Construction Vehicles
9	L-02	Site Development/Staging Yards	Generator - 25 Kw	36	Diesel	2	10	76	0.74					0.4	2324.0			Construction Equipment
10	L-02	Site Development/Staging Yards	Forklift - 15,000 lb	130	Diesel	4	6	76	0.2					0.4	2448.2			Construction Equipment
11	L-02	Site Development/Staging Yards	Pickup - 1 Ton	410	Diesel	4	4	76		40	320	31.4	774.6					Construction Vehicles
12	L-02	Site Development/Staging Yards	844 Loader	417	Diesel	1	6	76	0.36					0.4	3534.0			Construction Equipment
13	L-02	Site Development/Staging Yards	Semi Truck	500	Diesel	2	6	76		40	160	6.0	2018.7					Construction Vehicles
14	L-03	Below-Grade Construction	Truck - Water 4 K	300	Diesel	2	10	152		40	160	8.5	2849.0					Construction Vehicles
15	L-03	Below-Grade Construction	Excavator	108	Diesel	2	10	152	0.38					0.4	6440.8			Construction Equipment
16	L-03	Below-Grade Construction	Forklift - 15 K Reach	130	Diesel	3	8	152	0.2					0.4	4896.5			Construction Equipment
17	L-03	Below-Grade Construction	Backhoe - 2X4	68	Diesel	2	6	152	0.38					0.4	2705.0			Construction Equipment
18	L-03	Below-Grade Construction	Pickup - 1/2 Ton	395	Gasoline	4	2	152		40	320	27.3	1781.8					Construction Vehicles
19	L-03	Below-Grade Construction	Pickup - 1 Ton	410	Diesel	4	2	152		40	320	31.4	1549.2					Construction Vehicles
20	L-03	Below-Grade Construction	Excavator - Mini	70	Diesel	1	5	152	0.38					0.4	1160.2			Construction Equipment
21	L-03	Below-Grade Construction	Generator - 25 Kw	36	Diesel	1	10	152	0.74					0.4	2324.0			Construction Equipment
22	L-03	Below-Grade Construction	Truck - Concrete	425	Diesel	4	5	152		60	480	6.0	12112.1					Construction Vehicles
23	L-03	Below-Grade Construction	Loader - 4-5 Yd	230	Diesel	2	10	152	0.36					0.4	12994.6			Construction Equipment
24	L-03	Below-Grade Construction	Pressure Digger - Lo-Drill (Trac	275	Diesel	1	8	152	0.5					0.4	8631.7			Construction Equipment
25	L-03	Below-Grade Construction	Excavator	275	Diesel	1	10	152	0.38					0.4	8200.1			Construction Equipment
26	L-03	Below-Grade Construction	Truck - Dump 10-12 Yd	415	Diesel	3	5	152		40	240	6.0	6056.1					Construction Vehicles
27	L-03	Below-Grade Construction	Tool - Van/Conex 20'	0	NA	6	10	152										Construction Vehicles
28	L-03	Below-Grade Construction	Trencher	75	Diesel	2	5	152	0.5					0.4	3271.3			Construction Equipment
29	L-03	Below-Grade Construction	Skid steer loader	74	Diesel	2	10	152	0.37					0.4	4777.0			Construction Equipment
30	L-03	Below-Grade Construction	Wire Trailer/ Tensioner	175	Diesel	1	5	152	0.42					0.4	2883.8			Construction Equipment
31	L-03	Below-Grade Construction	Wire Puller	175	Diesel	1	5	152	0.42					0.4	2883.8			Construction Equipment
32	L-04	Above-Grade Construction	Wire Trailer/ Tensioner	175	Diesel	1	5	333	0.42					0.4	6317.7			Construction Equipment
33	L-04	Above-Grade Construction	Wire Puller	175	Diesel	1	5	333	0.42					0.4	6317.7			Construction Equipment
34	L-04	Above-Grade Construction	Crane - 200 Ton	275	Diesel	1	4	333	0.29					0.4	5483.9			Construction Equipment
35	L-04	Above-Grade Construction	Pickup - 1/2 Ton	395	Gasoline	4	2	333		40	320	27.3	3903.5					Construction Vehicles
36	L-04	Above-Grade Construction	Pickup - 1 Ton	410	Diesel	4	2	333		40	320	31.4	3393.9					Construction Vehicles
37	L-04	Above-Grade Construction	Welding Truck	395	Diesel	2	2	333		40	160	8.5	6241.5					Construction Vehicles
38	L-04	Above-Grade Construction	Generator - 25 Kw	36	Diesel	2	10	333	0.74					0.4	10182.6			Construction Equipment
39	L-04	Above-Grade Construction	Crane - 35 Ton (Manlift)	250	Diesel	2	5	333	0.29					0.4	12463.5			Construction Equipment
40	L-04	Above-Grade Construction	Forklift - 10 K Reach	130	Diesel	2	4	333	0.2					0.4	3575.7			Construction Equipment
41	L-04	Above-Grade Construction	Forklift -15,000 lb	130	Diesel	1	4	333	0.2					0.4	1787.9			Construction Equipment
42	L-04	Above-Grade Construction	Loader - 4-5 Yd	74	Diesel	2	5	333	0.36					0.4	5091.3			Construction Equipment
43	L-04	Above-Grade Construction	120' Manlift	74	Diesel	2	4	333	0.31					0.4	3507.4			Construction Equipment
44	P-05	Foundation Installation	Pressure Digger - Lo-Drill (Trac	275	Diesel	1	8	40	0.5					0.4	2271.5			Construction Equipment
45	P-05	Foundation Installation	Truck - Concrete	425	Diesel	4	5	40		60	480	6.0	3187.4					Construction Vehicles
46	P-05	Foundation Installation	Pickup - 1 Ton	410	Diesel	4	2	40		60	480	31.4	611.5					Construction Vehicles
47	P-05	Foundation Installation	Truck - Water 4 K	300	Diesel	2	6	40		60	240	8.5	1124.6					Construction Vehicles
48	P-05	Foundation Installation	Truck - Dump 10-12 Yd	415	Diesel	2	10	40		40	160	6.0	1062.5					Construction Vehicles
49	P-05	Foundation Installation	Skid steer loader	74	Diesel	1	10	40	0.37					0.4	628.6			Construction Equipment
50	P-05	Foundation Installation	Forklift - 10 K Reach	130	Diesel	2	8	40	0.2					0.4	859.0			Construction Equipment
51	P-05	Foundation Installation	Crane - 35 Ton (Manlift)	250	Diesel	1	4	40	0.29					0.4	598.8			Construction Equipment
52	P-05	Foundation Installation	Loader - 4-5 Yd	230	Diesel	1	8	40	0.36					0.4	1367.8			Construction Equipment
53	P-05	Foundation Installation	Rough Terrain Crane	185	Diesel	1	2	40	0.29					0.4	221.6			Construction Equipment
54	P-05	Foundation Installation	Motor Grader	250	Diesel	1	10	40	0.41					0.4	2116.6			Construction Equipment
55	P-05	Foundation Installation	D6 Type Dozer	250	Diesel	1	10	40	0.4					0.4	2065.0			Construction Equipment
56	P-05	Foundation Installation	Excavator	250	Diesel	1	10	40	0.38					0.4	1961.7			Construction Equipment
57	P-05	Foundation Installation	Vibratory Roller	125	Diesel	1	10	40	0.38					0.4	980.9			Construction Equipment
58	P-06	Structure Installation	Crane - 35 Ton (Manlift)	250	Diesel	2	10	21	0.29					0.4	1572.0			Construction Equipment
59	P-06	Structure Installation	Helicopter - Heavy Duty	3200	Jet	1	5	13							164.2	10674.5		Helicopter and Support
60	P-06	Structure Installation	Pickup - 1/2 ton	395	Gasoline	2	2	21		40	160	27.3	123.1					Construction Vehicles
61	P-06	Structure Installation	Forklift - 15,000 lb	130	Diesel	1	5	21	0.2					0.4	140.9			Construction Equipment
62	P-06	Structure Installation	Pickup - 1 ton	410	Diesel	2	2	21		60	240	31.4	160.5					Construction Vehicles
63	P-06	Structure Installation	Crane - 200 Ton	275	Diesel	1	10	21	0.29					0.4	864.6			Construction Equipment
64	P-06	Structure Installation	844 Loader	417	Diesel	1	8	21	0.36					0.4	1302.0			Construction Equipment
65	P-06	Structure Installation	Truck - Water 4 K	300	Diesel	2	6	21		60	240	8.5	590.4					Construction Vehicles
66	P-06	Structure Installation	Jet Fuel Truck	300	Diesel	1	10	21		40	80	8.5	196.8					Construction Vehicles
67	P-07	Conductor Installation	Helicopter	700	Jet	1	10	12								32.0	3835.8	Helicopter and Support
68	P-07	Conductor Installation	Jet Fuel Truck	300	Diesel	1	10	20		40	80	8.5	187.4					Construction Vehicles
69	P-07	Conductor Installation	Crane - 35 Ton (Manlift)	250	Diesel	6	10	20	0.29					0.4	4491.3			Construction Equipment
70	P-07	Conductor Installation	Pickup - 1/2 ton	395	Gasoline	4	2	20		40	320	27.3	234.4					Construction Vehicles
71	P-07	Conductor Installation	Pickup - 1 Ton	410	Diesel	4	2	20		60	480	31.4	305.8					Construction Vehicles
72	P-07	Conductor Installation	D8 Sag Dozer	200	Diesel	3	10	20	0.4					0.4	2478.0			Construction Equipment
73	P-07	Conductor Installation	Wire Puller	175	Diesel	1	5	20	0.42					0.4	379.4			Construction Equipment
74	P-07	Conductor Installation	Truck - Water 4 K	300	Diesel	2	6	20		60	240	8.5	562.3					Construction Vehicles

EquipIndex	Activity Index	Activity Name	Equipment Name	HP	Fuel Type	Quantity	Hours Per Day	Working Days	Load Factor	On Distance	VMT	On Efficiency	On Fuel Use	Off BSFC	Off Use	Helo Efficiency	Helo Use	Fuel Category
75	P-07	Conductor Installation	Wire Trailer/ Tensioner	175	Diesel	1	5	20	0.42					0.4	379.4			Construction Equipment
76	L-08	Access Road Construction	Pickup - 1/2 ton	395	Gasoline	2	4	16		40	160	27.3	93.8					Construction Vehicles
77	L-08	Access Road Construction	Pickup - 1 ton	410	Diesel	2	4	16		40	160	31.4	81.5					Construction Vehicles
78	L-08	Access Road Construction	Motor Grader	250	Diesel	1	10	16	0.41					0.4	846.6			Construction Equipment
79	L-08	Access Road Construction	Truck - Dump 10-12 Yd	415	Diesel	2	10	16		40	160	6.0	425.0					Construction Vehicles
80	L-08	Access Road Construction	Skid steer loader	74	Diesel	1	10	16	0.37					0.4	251.4			Construction Equipment
81	L-08	Access Road Construction	Truck - Water 4 K	300	Diesel	2	6	16		40	160	8.5	299.9					Construction Vehicles
82	L-08	Access Road Construction	D6 Type Dozer	250	Diesel	1	10	16	0.4					0.4	826.0			Construction Equipment
83	L-08	Access Road Construction	Excavator	250	Diesel	1	10	16	0.38					0.4	784.7			Construction Equipment
84	L-08	Access Road Construction	Vibratory Roller	125	Diesel	0	10	16	0.38					0.4	0.0			Construction Equipment
85	L-09	Foundation Installation	Pressure Digger - Lo-Drill (Trac	275	Diesel	1	8	22	0.5					0.4	1249.3			Construction Equipment
86	L-09	Foundation Installation	Truck - Concrete	425	Diesel	4	5	22		60	480	6.0	1753.1					Construction Vehicles
87	L-09	Foundation Installation	Pickup - 1 Ton	410	Diesel	4	2	22		40	320	31.4	224.2					Construction Vehicles
88	L-09	Foundation Installation	Truck - Water 4 K	300	Diesel	2	6	22		40	160	8.5	412.4					Construction Vehicles
89	L-09	Foundation Installation	Truck - Dump 10-12 Yd	415	Diesel	2	10	22		40	160	6.0	584.4					Construction Vehicles
90	L-09	Foundation Installation	Skid steer loader	74	Diesel	1	10	22	0.37					0.4	345.7			Construction Equipment
91	L-09	Foundation Installation	Forklift - 10 K Reach	130	Diesel	2	8	22	0.2					0.4	472.5			Construction Equipment
92	L-09	Foundation Installation	Crane - 35 Ton (Manlift)	250	Diesel	1	4	22	0.29					0.4	329.4			Construction Equipment
93	L-09	Foundation Installation	844 Loader	417	Diesel	1	8	22	0.36					0.4	1364.0			Construction Equipment
94	L-09	Foundation Installation	Rough Terrain Crane	185	Diesel	1	2	22	0.29					0.4	121.9			Construction Equipment
95	L-10	Structure Installation	Crane - 35 Ton (Manlift)	250	Diesel	2	10	24	0.29					0.4	1796.5			Construction Equipment
96	L-10	Structure Installation	Pickup - 1/2 ton	395	Gasoline	2	2	24		40	160	27.3	140.7					Construction Vehicles
97	L-10	Structure Installation	Forklift - 15,000 lb	130	Diesel	1	5	24	0.2					0.4	161.1			Construction Equipment
98	L-10	Structure Installation	Pickup - 1 ton	410	Diesel	2	2	24		40	160	31.4	122.3					Construction Vehicles
99	L-10	Structure Installation	Crane - 200 Ton	275	Diesel	1	10	24	0.29					0.4	988.1			Construction Equipment
100	L-10	Structure Installation	844 Loader	417	Diesel	1	8	24	0.36					0.4	1488.0			Construction Equipment
101	L-10	Structure Installation	Truck - Water 4 K	300	Diesel	2	6	24		40	160	8.5	449.8					Construction Vehicles
102	L-11	Conductor Installation	Helicopter	700	Jet	1	10	6								32.0	1917.9	Helicopter and Support
103	L-11	Conductor Installation	Jet Fuel Truck	300	Diesel	1	10	26		60	120	8.5	365.5					Construction Vehicles
104	L-11	Conductor Installation	Crane - 35 Ton (Manlift)	250	Diesel	6	10	26	0.29					0.4	5838.8			Construction Equipment
105	L-11	Conductor Installation	Pickup - 1/2 ton	395	Gasoline	4	2	26		40	320	27.3	304.8					Construction Vehicles
106	L-11	Conductor Installation	Pickup - 1 Ton	410	Diesel	4	2	26		40	320	31.4	265.0					Construction Vehicles
107	L-11	Conductor Installation	D8 Sag Dozer	200	Diesel	3	10	26	0.4					0.4	3221.4			Construction Equipment
108	L-11	Conductor Installation	Wire Puller	175	Diesel	1	5	26	0.42					0.4	493.3			Construction Equipment
109	L-11	Conductor Installation	Truck - Water 4 K	300	Diesel	2	6	26		40	160	8.5	487.3					Construction Vehicles
110	L-11	Conductor Installation	Wire Trailer/ Tensioner	175	Diesel	1	5	26	0.42					0.4	493.3			Construction Equipment
111	L-11	Conductor Installation	Deck Barge	N/A	NA	1	2	26										Construction Vehicles
112	L-11	Conductor Installation	Tug Boat	3300	Diesel	2	6	26										Construction Vehicles
113	L-11	Conductor Installation	Support Vessel	200	Diesel	2	4	26										Construction Vehicles
114	L-11	Conductor Installation	Deck Generator	170	Diesel	1	8	26	0.74					0.4	1350.8			Construction Equipment
115	L-11	Conductor Installation	Anchor Winches	100	Diesel	4	4	26	0.42					0.4	1002.8			Construction Equipment
116	L-12	Transition Structure Foundation Installation	Spud Barge	N/A	Diesel	1	4	150										Construction Vehicles
117	L-12	Transition Structure Foundation Installation	Hydraulic Unit	100	Diesel	1	2	150	0.42					0.4	723.1			Construction Equipment
118	L-12	Transition Structure Foundation Installation	Tug Boat	3300	Diesel	2	6	150										Construction Vehicles
119	L-12	Transition Structure Foundation Installation	Deck Winch	225	Diesel	1	2	150	0.42					0.4	1463.6			Construction Equipment
120	L-12	Transition Structure Foundation Installation	Truck - Concrete	425	Diesel	1	10	150		60	120	6.0	2988.2					Construction Vehicles
121	L-12	Transition Structure Foundation Installation	Concrete Pump	350	Diesel	1	3	150	0.74					0.4	6016.9			Construction Equipment
122	L-12	Transition Structure Foundation Installation	Generator - 725 Kw	985	Diesel	1	8	150	0.74					0.4	45155.1			Construction Equipment
123	L-12	Transition Structure Foundation Installation	Deck Generator - 100kW	130	Diesel	1	8	150	0.74					0.4	5959.6			Construction Equipment
124	L-12	Transition Structure Foundation Installation	Support Vessel	200	Diesel	1	6	150										Construction Vehicles
125	L-12	Transition Structure Foundation Installation	Air Compressor	50	Diesel	1	8	150	0.48					0.4	1652.9			Construction Equipment
126	L-12	Transition Structure Foundation Installation	Vibratory Hammer/Pile Driver	665	Diesel	1	8	150	0.42					0.4	17302.5			Construction Equipment
127	L-12	Transition Structure Foundation Installation	Crane	180	Diesel	1	8	150	0.29					0.4	3233.8			Construction Equipment
128	L-12	Transition Structure Foundation Installation	Engine Welder	25	Diesel	1	4	150	0.45					0.4	387.4			Construction Equipment
129	L-12	Transition Structure Foundation Installation	Support Vessel	200	Diesel	2	4	150										Construction Vehicles
130	L-13	Transition Structure Installation	Spud Barge	N/A	Diesel	1	4	25										Construction Vehicles
131	L-13	Transition Structure Installation	Deck Barge	N/A	NA	1	2	25										Construction Vehicles
132	L-13	Transition Structure Installation	Tug Boat	3300	Diesel	2	6	25										Construction Vehicles
133	L-13	Transition Structure Installation	Barge Mounted Crane	250	Diesel	1	8	25	0.29					0.4	748.6			Construction Equipment
134	L-13	Transition Structure Installation	Support Vessel	200	Diesel	2	4	25										Construction Vehicles
135	L-13	Transition Structure Installation	Deck Generator	170	Diesel	1	8	25	0.74					0.4	1298.9			Construction Equipment
136	L-13	Transition Structure Installation	Air Compressor	50	Diesel	1	8	25	0.48					0.4	275.5			Construction Equipment
137	L-13	Transition Structure Installation	Generator - 725 Kw	985	Diesel	1	8	25	0.74					0.4	7525.8			Construction Equipment
138	L-14	Submarine Cable Installation	Survey Vessel	150	Diesel	2	12	147										Construction Vehicles
139	L-14	Submarine Cable Installation	Tug Boat	1200	Diesel	2	8	147										Construction Vehicles
140	L-14	Submarine Cable Installation	Crew Boat	1200	Diesel	1	12	147										Construction Vehicles
141	L-14	Submarine Cable Installation	Small Boats	250	Gasoline	2	12	147										Construction Vehicles
142	L-14	Submarine Cable Installation	Crane	180	Diesel	1	6	147	0.29					0.4	2376.8			Construction Equipment
143	L-14	Submarine Cable Installation	Anchor Winches	100	Diesel	4	4	147	0.42					0.4	5669.4			Construction Equipment
144	L-14	Submarine Cable Installation	Generators	150	Diesel	1	12	147	0.74					0.4	10108.3			Construction Equipment
145	L-14	Submarine Cable Installation	Misc Deck Equipment	100	Diesel	1	12	147	0.42					0.4	4252.1			Construction Equipment
146	L-14	Submarine Cable Installation	Water Pumps	325	Diesel	2	12	147	0.74					0.4	43802.7			Construction Equipment
147	L-14	Submarine Cable Installation	Pull In Winch	100	Diesel	1	12	147	0.42					0.4	4252.1			Construction Equipment
148	L-14	Submarine Cable Installation	Dive Compressor	50	Diesel	2	12	147	0.48					0.4	4859.5			Construction Equipment
149	L-14	Submarine Cable Installation	Termination Genset	50	Diesel	1	12	147	0.74					0.4	3745.9			Construction Equipment

EquipIndex	Activity Index	Activity Name	Equipment Name	HP	Fuel Type	Quantity	Hours Per Day	Working Days	Load Factor	On Distance	VMT	On Efficiency	On Fuel Use	Off BSFC	Off Use	Helo Efficiency	Helo Use	Fuel Category
150	L-14	Submarine Cable Installation	Assist Barge: Crane	200	Diesel	1	12	147	0.29					0.4	5281.8			Construction Equipment
151	L-15	Southern Transition Approach Construction	Onshore Excavator	600	Diesel	1	12	138	0.38					0.4	19491.8			Construction Equipment
152	L-15	Southern Transition Approach Construction	Onshore End Loader	250	Diesel	1	12	138	0.37					0.4	7907.9			Construction Equipment
153	L-15	Southern Transition Approach Construction	Onshore Crane	180	Diesel	1	12	138	0.29					0.4	4462.6			Construction Equipment
154	L-15	Southern Transition Approach Construction	Crane - 200 ton	275	Diesel	1	6	138	0.29					0.4	3408.9			Construction Equipment
155	L-15	Southern Transition Approach Construction	Onshore Vibratory Hammer	300	Diesel	1	12	138	0.42					0.4	10771.8			Construction Equipment
156	L-15	Southern Transition Approach Construction	Air Compressor	50	Diesel	1	12	138	0.48					0.4	2281.0			Construction Equipment
157	L-15	Southern Transition Approach Construction	Truck - Dump 10-12 Yd	415	Diesel	4	6	138		40	320	6.0	7331.0					Construction Vehicles
158	L-15	Southern Transition Approach Construction	Onshore Dewatering Equip	50	Diesel	2	12	138	0.42					0.4	3991.7			Construction Equipment
159	L-15	Southern Transition Approach Construction	Onshore Trucks	300	Diesel	4	12	138		60	480	8.5	7759.7					Construction Vehicles
160	L-16	Substation Getaways	Pickup - 1/2 Ton	395	Gasoline	4	2	70		40	320	27.3	820.5					Construction Vehicles
161	L-16	Substation Getaways	Pickup - 1 Ton	410	Diesel	4	2	70		40	320	31.4	713.4					Construction Vehicles
162	L-16	Substation Getaways	Welding Truck	395	Diesel	2	2	70		40	160	8.5	1312.0					Construction Vehicles
163	L-16	Substation Getaways	Generator - 25 Kw	36	Diesel	2	10	70	0.74					0.4	2140.5			Construction Equipment
164	L-16	Substation Getaways	Crane - 35 Ton (Manlift)	250	Diesel	2	5	70	0.29					0.4	2620.0			Construction Equipment
165	L-16	Substation Getaways	Forklift - 10 K Reach	130	Diesel	2	4	70	0.2					0.4	751.7			Construction Equipment
166	L-16	Substation Getaways	Forklift -15,000 lb	130	Diesel	1	4	70	0.2					0.4	375.8			Construction Equipment
167	L-16	Substation Getaways	Loader - 4-5 Yd	74	Diesel	2	5	70	0.36					0.4	1070.2			Construction Equipment
168	L-16	Substation Getaways	Wire Trailer/ Tensioner	175	Diesel	1	5	70	0.42					0.4	1328.0			Construction Equipment
169	L-16	Substation Getaways	Wire Puller	175	Diesel	1	5	70	0.42					0.4	1328.0			Construction Equipment
170	L-16	Substation Getaways	Skid steer loader	74	Diesel	2	10	70	0.37					0.4	2200.0			Construction Equipment
171	L-16	Substation Getaways	Backhoe - 2X4	68	Diesel	2	6	70	0.38					0.4	1245.7			Construction Equipment
172	P-17	Distribution Extension to Substation	Pickup - 1/2 ton	395	Gasoline	2	2	51		40	160	27.3	298.9					Construction Vehicles
173	P-17	Distribution Extension to Substation	Wire Trailer/ Tensioner	175	Diesel	1	5	51	0.42					0.4	967.6			Construction Equipment
174	P-17	Distribution Extension to Substation	Wire Puller	175	Diesel	1	5	51	0.42					0.4	967.6			Construction Equipment
175	P-17	Distribution Extension to Substation	Crane - 35 Ton (Manlift)	250	Diesel	2	10	51	0.29					0.4	3817.6			Construction Equipment
176	P-17	Distribution Extension to Substation	Pickup - 1 Ton	410	Diesel	2	2	51		60	240	31.4	389.8					Construction Vehicles
177	P-17	Distribution Extension to Substation	Forklift - 15 K Reach	130	Diesel	2	6	51	0.2					0.4	821.5			Construction Equipment
178	P-17	Distribution Extension to Substation	Pressure Digger - Lo-Drill (Trac	275	Diesel	1	8	51	0.5					0.4	2896.1			Construction Equipment
179	P-17	Distribution Extension to Substation	Truck - Dump 10-12 Yd	415	Diesel	2	10	51		40	160	6.0	1354.6					Construction Vehicles
180	P-17	Distribution Extension to Substation	Skid steer loader	74	Diesel	2	10	51	0.37					0.4	1602.8			Construction Equipment
181	P-17	Distribution Extension to Substation	Truck - Concrete	425	Diesel	4	5	51		60	480	6.0	4063.9					Construction Vehicles
182	P-17	Distribution Extension to Substation	Backhoe - 2X4	68	Diesel	1	8	51	0.38					0.4	605.1			Construction Equipment
183	L-18	Fiber Extension to Substation	Crane - 35 Ton (Manlift)	250	Diesel	2	10	103	0.29					0.4	7710.1			Construction Equipment
184	L-18	Fiber Extension to Substation	Forklift - 10 K Reach	130	Diesel	1	5	103	0.2					0.4	691.3			Construction Equipment
185	L-18	Fiber Extension to Substation	Excavator - Mini	70	Diesel	2	5	103	0.38					0.4	1572.4			Construction Equipment
186	L-18	Fiber Extension to Substation	Truck - Dump 10-12 Yd	415	Diesel	3	5	103		40	240	6.0	4103.8					Construction Vehicles
187	L-18	Fiber Extension to Substation	Skid steer loader	74	Diesel	2	10	103	0.37					0.4	3237.1			Construction Equipment
188	L-18	Fiber Extension to Substation	Trencher	75	Diesel	1	10	103	0.5					0.4	2216.8			Construction Equipment
189	L-18	Fiber Extension to Substation	Pickup - 1 Ton	410	Diesel	3	2	103		40	240	31.4	787.3					Construction Vehicles
190	L-18	Fiber Extension to Substation	Truck - Concrete	425	Diesel	2	5	103		60	240	6.0	4103.8					Construction Vehicles
191	L-18	Fiber Extension to Substation	Wire Trailer/ Tensioner	175	Diesel	1	5	103	0.42					0.4	1954.1			Construction Equipment
192	L-18	Fiber Extension to Substation	Wire Puller	175	Diesel	1	5	103	0.42					0.4	1954.1			Construction Equipment
193	L-18	Fiber Extension to Substation	Truck - Water 4 K	300	Diesel	0	6	103		40	0	8.5	0.0					Construction Vehicles
194	P-19	Vaca Dixon, Tesla, and Pittsburg Substation Upgrades	Pickup - 1/2 Ton	395	Gasoline	4	2	102		40	320	27.3	1195.7					Construction Vehicles
195	P-19	Vaca Dixon, Tesla, and Pittsburg Substation Upgrades	Pickup - 1 Ton	410	Diesel	4	2	102		60	480	31.4	1559.4					Construction Vehicles
196	P-19	Vaca Dixon, Tesla, and Pittsburg Substation Upgrades	Welding Truck	395	Diesel	2	5	102		60	240	8.5	2867.7					Construction Vehicles
197	P-19	Vaca Dixon, Tesla, and Pittsburg Substation Upgrades	Crane - 35 Ton (Manlift)	250	Diesel	2	10	102	0.29					0.4	7635.3			Construction Equipment
198	P-19	Vaca Dixon, Tesla, and Pittsburg Substation Upgrades	Forklift -15,000 lb	130	Diesel	1	4	102	0.2					0.4	547.6			Construction Equipment
199	P-19	Vaca Dixon, Tesla, and Pittsburg Substation Upgrades	Manlift - 40'	49	Diesel	3	10	102	0.31					0.4	2667.7			Construction Equipment
200	P-19	Vaca Dixon, Tesla, and Pittsburg Substation Upgrades	120' Manlift	74	Diesel	2	4	102	0.31					0.4	1074.3			Construction Equipment
201	L-20	Commissioning and Testing	Pickup - 1/2 Ton	395	Gasoline	4	2	174		40	320	27.3	2039.6					Construction Vehicles
202	L-20	Commissioning and Testing	Pickup - 1 Ton	410	Diesel	4	2	174		40	320	31.4	1773.4					Construction Vehicles
203	L-20	Commissioning and Testing	Manlift - 40'	49	Diesel	3	10	174	0.31					0.4	4550.7			Construction Equipment
204	L-20	Commissioning and Testing	Truck - Water 4 K	300	Diesel	1	10	174		40	80	8.5	1630.7					Construction Vehicles
205	L-20	Commissioning and Testing	Tool - Van/Conex 20'	0	NA	6	10	174										Construction Vehicles
206	L-20	Commissioning and Testing	Deck Barge	N/A	NA	1	2	174										Construction Vehicles
207	L-20	Commissioning and Testing	Tug Boat	3300	Diesel	2	6	174										Construction Vehicles
208	L-20	Commissioning and Testing	Support Vessel	200	Diesel	2	4	174										Construction Vehicles
209	L-20	Commissioning and Testing	Deck Generator	170	Diesel	1	8	174	0.74					0.4	9040.2			Construction Equipment
210	L-20	Commissioning and Testing	Crane - 35 Ton (Manlift)	250	Diesel	2	10	174	0.29					0.4	13024.9			Construction Equipment
211	L-21	Cleanup and Restoration	Pickup - 1 Ton	410	Diesel	4	2	140		40	320	31.4	1426.9					Construction Vehicles
212	L-21	Cleanup and Restoration	Motor Grader	250	Diesel	2	10	140	0.41					0.4	14816.3			Construction Equipment
213	L-21	Cleanup and Restoration	Backhoe - 2X4	68	Diesel	2	8	140	0.38					0.4	3321.9			Construction Equipment
214	L-21	Cleanup and Restoration	Truck - Water 4 K	300	Diesel	2	10	140		40	160	8.5	2624.1					Construction Vehicles
215	L-21	Cleanup and Restoration	Skid steer loader	74	Diesel	1	10	140	0.37					0.4	2200.0			Construction Equipment
216	L-21	Cleanup and Restoration	Excavator	250	Diesel	1	10	140	0.38					0.4	6866.1			Construction Equipment
217	L-21	Cleanup and Restoration	D6 Type Dozer	250	Diesel	1	10	140	0.4					0.4	7227.5			Construction Equipment
218	L-21	Cleanup and Restoration	Pickup - 1/2 Ton	395	Gasoline	4	2	140		40	320	27.3	1641.1					Construction Vehicles
219	L-21	Cleanup and Restoration	Truck - Dump 10-12 Yd	415	Diesel	2	10	140		40	160	6.0	3718.6					Construction Vehicles
220	L-01	Survey	Worker Commute	NA	Gasoline	4	NA	26		60	480	27.3	457.2					Worker Vehicles
221	L-02	Site Development/Staging Yards	Worker Commute	NA	Gasoline	12	NA	76		60	1440	27.3	4009.0					Worker Vehicles
222	L-03	Below-Grade Construction	Worker Commute	NA	Gasoline	40	NA	152		60	4800	27.3	26726.4					Worker Vehicles
223	L-04	Above-Grade Construction	Worker Commute	NA	Gasoline	30	NA	333		60	3600	27.3	43913.9					Worker Vehicles
224	P-05	Foundation Installation	Worker Commute	NA	Gasoline	15	NA	40		60	1800	27.3	2637.5					Worker Vehicles

EquipIndex	Activity Index	Activity Name	Equipment Name	HP	Fuel Type	Quantity	Hours Per Day	Working Days	Load Factor	On Distance	VMT	On Efficiency	On Fuel Use	Off BSFC	Off Use	Helo Efficiency	Helo Use	Fuel Category
225	P-06	Structure Installation	Worker Commute	NA	Gasoline	15	NA	21		60	1800	27.3	1384.7					Worker Vehicles
226	P-07	Conductor Installation	Worker Commute	NA	Gasoline	30	NA	20		60	3600	27.3	2637.5					Worker Vehicles
227	L-08	Access Road Construction	Worker Commute	NA	Gasoline	12	NA	16		60	1440	27.3	844.0					Worker Vehicles
228	L-09	Foundation Installation	Worker Commute	NA	Gasoline	12	NA	22		60	1440	27.3	1160.5					Worker Vehicles
229	L-10	Structure Installation	Worker Commute	NA	Gasoline	12	NA	24		60	1440	27.3	1266.0					Worker Vehicles
230	L-11	Conductor Installation	Worker Commute	NA	Gasoline	30	NA	26		60	3600	27.3	3428.7					Worker Vehicles
231	L-12	Transition Structure Foundation Installation	Worker Commute	NA	Gasoline	20	NA	150		60	2400	27.3	13187.4					Worker Vehicles
232	L-13	Transition Structure Installation	Worker Commute	NA	Gasoline	20	NA	25		60	2400	27.3	2197.9					Worker Vehicles
233	L-14	Submarine Cable Installation	Worker Commute	NA	Gasoline	25	NA	147		60	3000	27.3	16154.5					Worker Vehicles
234	L-15	Southern Transition Approach Construction	Worker Commute	NA	Gasoline	25	NA	138		60	3000	27.3	15165.5					Worker Vehicles
235	L-16	Substation Getaways	Worker Commute	NA	Gasoline	20	NA	70		60	2400	27.3	6154.1					Worker Vehicles
236	P-17	Distribution Extension to Substation	Worker Commute	NA	Gasoline	10	NA	51		60	1200	27.3	2241.9					Worker Vehicles
237	L-18	Fiber Extension to Substation	Worker Commute	NA	Gasoline	12	NA	103		60	1440	27.3	5433.2					Worker Vehicles
238	P-19	Vaca Dixon, Tesla, and Pittsburg Substation Upgrades	Worker Commute	NA	Gasoline	15	NA	102		60	1800	27.3	6725.6					Worker Vehicles
239	L-20	Commissioning and Testing	Worker Commute	NA	Gasoline	24	NA	174		60	2880	27.3	18356.8					Worker Vehicles
240	L-21	Cleanup and Restoration	Worker Commute	NA	Gasoline	12	NA	140		60	1440	27.3	7384.9					Worker Vehicles

Table 2: Fuel Consumption Summary

Vehicle Type	Gasoline	Diesel	Jet A
Worker Vehicles	181,467	-	-
Construction Vehicles	13,621	106,859	-
Construction Equipment	-	567,869	-
Helicopter and Support	-	-	16,428
Total	195,088	674,728	16,428

Table 1: Off-Road Equipment Load Factors

OFFROAD Equipment Type	Load Factor
Aerial Lifts	0.31
Air Compressors	0.48
Bore/Drill Rigs	0.5
Cement and Mortar Mixers	0.56
Concrete/Industrial Saws	0.73
Cranes	0.29
Crawler Tractors	0.43
Crushing/Proc. Equipment	0.78
Dumpers/Tenders	0.38
Excavators	0.38
Forklifts	0.2
Generator Sets	0.74
Graders	0.41
Off-Highway Tractors	0.44
Off-Highway Trucks	0.38
Other Construction Equipment	0.42
Other General Industrial Equipment	0.34
Other Material Handling Equipment	0.4
Pavers	0.42
Paving Equipment	0.36
Plate Compactors	0.43
Pressure Washers	0.3
Pumps	0.74
Rollers	0.38
Rough Terrain Forklifts	0.4
Rubber Tired Dozers	0.4
Rubber Tired Loaders	0.36
Scrapers	0.48
Signal Boards	0.82
Skid Steer Loaders	0.37
Surfacing Equipment	0.3
Sweepers/Scrubbers	0.46
Tractors/Loaders/Backhoes	0.37
Trenchers	0.5
Welders	0.45

Table 2: EMFAC Emissions Inventory - Fuel Consumption

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	Total VMT	CVMT	EVMT	Trips	Energy Consumption	Fuel Consumption	Efficiency
Bay Area AQMD	2026	HHDT	Aggregate	Aggregate	Gasoline	16.67019177	566686.9881	566687	0	109066.7	0	146.1053233	3.878619718
Bay Area AQMD	2026	HHDT	Aggregate	Aggregate	Diesel	37718.53643	1348564029	1.35E+09	0	1.73E+08	0	223875.9991	6.023709709
Bay Area AQMD	2026	LDA	Aggregate	Aggregate	Gasoline	2201973.535	27750180514	2.78E+10	0	3.54E+09	0	885019.7082	31.35543792
Bay Area AQMD	2026	LDA	Aggregate	Aggregate	Diesel	7333.286765	68824497.23	68824497	0	10664677	0	1578.529498	43.60038714
Bay Area AQMD	2026	LDT1	Aggregate	Aggregate	Gasoline	206448.5686	2305115213	2.31E+09	0	3.18E+08	0	88281.67976	26.11091247
Bay Area AQMD	2026	LDT1	Aggregate	Aggregate	Diesel	90.0501492	358159.7252	358159.7	0	85589.27	0	14.78529221	24.22405457
Bay Area AQMD	2026	LDT2	Aggregate	Aggregate	Gasoline	1129979.049	14334515685	1.43E+10	0	1.84E+09	0	559544.7591	25.61817523
Bay Area AQMD	2026	LDT2	Aggregate	Aggregate	Diesel	4539.432945	57876308.33	57876308	0	7418736	0	1725.518581	33.54139966
Bay Area AQMD	2026	MHDT	Aggregate	Aggregate	Gasoline	6383.175456	109682894.3	1.1E+08	0	41762666	0	22576.56378	4.858263436
Bay Area AQMD	2026	MHDT	Aggregate	Aggregate	Diesel	48424.69575	621444878.8	6.21E+08	0	1.8E+08	0	72799.62934	8.536374216
Bay Area AQMD	2027	HHDT	Aggregate	Aggregate	Gasoline	15.9155131	539319.5728	539319.6	0	104129.1	0	137.1672886	3.93183811
Bay Area AQMD	2027	HHDT	Aggregate	Aggregate	Diesel	38306.74535	1355696519	1.36E+09	0	1.76E+08	0	221358.0293	6.12445152
Bay Area AQMD	2027	LDA	Aggregate	Aggregate	Gasoline	2197108.395	27663299327	2.77E+10	0	3.53E+09	0	864490.5315	31.99953998
Bay Area AQMD	2027	LDA	Aggregate	Aggregate	Diesel	6597.393169	61521432.62	61521433	0	9607141	0	1394.021831	44.13233082
Bay Area AQMD	2027	LDT1	Aggregate	Aggregate	Gasoline	202253.5734	2250002690	2.25E+09	0	3.11E+08	0	84660.27586	26.57684099
Bay Area AQMD	2027	LDT1	Aggregate	Aggregate	Diesel	34.53976288	142497.7358	142497.7	0	33406.55	0	5.612282324	25.39033634
Bay Area AQMD	2027	LDT2	Aggregate	Aggregate	Gasoline	1152289.587	14515768034	1.45E+10	0	1.87E+09	0	554665.4449	26.17031252
Bay Area AQMD	2027	LDT2	Aggregate	Aggregate	Diesel	4608.748126	58129232.14	58129232	0	7514367	0	1699.606934	34.20157389
Bay Area AQMD	2027	MHDT	Aggregate	Aggregate	Gasoline	6299.244031	108346472.5	1.08E+08	0	41213535	0	22065.49329	4.910222085
Bay Area AQMD	2027	MHDT	Aggregate	Aggregate	Diesel	48915.06097	620351542.6	6.2E+08	0	1.82E+08	0	72294.42001	8.580904896
Bay Area AQMD	2028	HHDT	Aggregate	Aggregate	Gasoline	14.86151985	510247.8572	510247.9	0	97233.22	0	127.9855618	3.986761086
Bay Area AQMD	2028	HHDT	Aggregate	Aggregate	Diesel	38742.94565	1359986091	1.36E+09	0	1.78E+08	0	218150.4913	6.234164696
Bay Area AQMD	2028	LDA	Aggregate	Aggregate	Gasoline	2193417.476	27597401453	2.76E+10	0	3.52E+09	0	846136.7712	32.61576898
Bay Area AQMD	2028	LDA	Aggregate	Aggregate	Diesel	5845.574089	54712768.94	54712769	0	8561466	0	1222.076326	44.770337
Bay Area AQMD	2028	LDT1	Aggregate	Aggregate	Gasoline	198343.875	2198627793	2.2E+09	0	3.05E+08	0	81315.9728	27.03808019
Bay Area AQMD	2028	LDT1	Aggregate	Aggregate	Diesel	21.12239241	89335.94242	89335.94	0	20559.28	0	3.401006525	26.26750104
Bay Area AQMD	2028	LDT2	Aggregate	Aggregate	Gasoline	1173914.965	14681308974	1.47E+10	0	1.9E+09	0	550086.4357	26.6890947
Bay Area AQMD	2028	LDT2	Aggregate	Aggregate	Diesel	4666.407485	58285525.47	58285525	0	7591527	0	1672.576075	34.8477575
Bay Area AQMD	2028	MHDT	Aggregate	Aggregate	Gasoline	6200.947223	106413908	1.06E+08	0	40570417	0	21461.06542	4.958463426
Bay Area AQMD	2028	MHDT	Aggregate	Aggregate	Diesel	49153.38842	615866247.9	6.16E+08	0	1.83E+08	0	71398.1466	8.62580161

Source: EMFAC2021 (v1.0.2) Emissions Inventory

Region Type: Air District

Region: Bay Area AQMD

Calendar Year: 2026, 2027, 2028

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/year for CVMT and EVMT, trips/year for Trips, kWh/year for Energy Consumption, tons/year for Emissions, 1000 gallons/year for Fuel Consumption

Table 3: On-Road Fuel Efficiency (miles/gallon)

Vehicle Category	Year	Fuel	Efficiency	Lookup
passenger	2026	Gasoline	27.30	passenger_Gasoline
vendor	2026	Gasoline	4.86	vendor_Gasoline
hhdt	2026	Gasoline	3.88	hhdt_Gasoline
passenger	2026	Diesel	31.40	passenger_Diesel
vendor	2026	Diesel	8.54	vendor_Diesel
hhdt	2026	Diesel	6.02	hhdt_Diesel

Table 4: EMFAC On-Road Emissions

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	Total VMT	CVMT	EVMT	Trips	NO _x RUNEX
Bay Area AQMD	2026	HHDT	Aggregate	Aggregate	Gasoline	16.67019177	566686.9881	566687	0	109066.7	2.4965788
Bay Area AQMD	2026	HHDT	Aggregate	Aggregate	Diesel	37718.53643	1348564029	1.35E+09	0	1.73E+08	2677.565244
Bay Area AQMD	2026	LDA	Aggregate	Aggregate	Gasoline	2201973.535	27750180514	2.78E+10	0	3.54E+09	1098.678565
Bay Area AQMD	2026	LDA	Aggregate	Aggregate	Diesel	7333.286765	68824497.23	68824497	0	10664677	13.66233797
Bay Area AQMD	2026	LDT1	Aggregate	Aggregate	Gasoline	206448.5686	2305115213	2.31E+09	0	3.18E+08	257.3413214
Bay Area AQMD	2026	LDT1	Aggregate	Aggregate	Diesel	90.0501492	358159.7252	358159.7	0	85589.27	0.633574578
Bay Area AQMD	2026	LDT2	Aggregate	Aggregate	Gasoline	1129979.049	14334515685	1.43E+10	0	1.84E+09	851.6892463
Bay Area AQMD	2026	LDT2	Aggregate	Aggregate	Diesel	4539.432945	57876308.33	57876308	0	7418736	2.54524009
Bay Area AQMD	2026	MHDT	Aggregate	Aggregate	Gasoline	6383.175456	109682894.3	1.1E+08	0	41762666	41.77593421
Bay Area AQMD	2026	MHDT	Aggregate	Aggregate	Diesel	48424.69575	621444878.8	6.21E+08	0	1.8E+08	701.4331538
Bay Area AQMD	2027	HHDT	Aggregate	Aggregate	Gasoline	15.9155131	539319.5728	539319.6	0	104129.1	2.29387698
Bay Area AQMD	2027	HHDT	Aggregate	Aggregate	Diesel	38306.74535	1355696519	1.36E+09	0	1.76E+08	2603.161544
Bay Area AQMD	2027	LDA	Aggregate	Aggregate	Gasoline	2197108.395	27663299327	2.77E+10	0	3.53E+09	1013.086443
Bay Area AQMD	2027	LDA	Aggregate	Aggregate	Diesel	6597.393169	61521432.62	61521433	0	9607141	10.60046684
Bay Area AQMD	2027	LDT1	Aggregate	Aggregate	Gasoline	202253.5734	2250002690	2.25E+09	0	3.11E+08	225.9047184
Bay Area AQMD	2027	LDT1	Aggregate	Aggregate	Diesel	34.53976288	142497.7358	142497.7	0	33406.55	0.20537484
Bay Area AQMD	2027	LDT2	Aggregate	Aggregate	Gasoline	1152289.587	14515768034	1.45E+10	0	1.87E+09	792.1162538
Bay Area AQMD	2027	LDT2	Aggregate	Aggregate	Diesel	4608.748126	58129232.14	58129232	0	7514367	2.355312219
Bay Area AQMD	2027	MHDT	Aggregate	Aggregate	Gasoline	6299.244031	108346472.5	1.08E+08	0	41213535	35.50234782
Bay Area AQMD	2027	MHDT	Aggregate	Aggregate	Diesel	48915.06097	620351542.6	6.2E+08	0	1.82E+08	641.7191243
Bay Area AQMD	2028	HHDT	Aggregate	Aggregate	Gasoline	14.86151985	510247.8572	510247.9	0	97233.22	2.087315391
Bay Area AQMD	2028	HHDT	Aggregate	Aggregate	Diesel	38742.94565	1359986091	1.36E+09	0	1.78E+08	2525.315627
Bay Area AQMD	2028	LDA	Aggregate	Aggregate	Gasoline	2193417.476	27597401453	2.76E+10	0	3.52E+09	944.2146789
Bay Area AQMD	2028	LDA	Aggregate	Aggregate	Diesel	5845.574089	54712768.94	54712769	0	8561466	8.004830867
Bay Area AQMD	2028	LDT1	Aggregate	Aggregate	Gasoline	198343.875	2198627793	2.2E+09	0	3.05E+08	198.6974403
Bay Area AQMD	2028	LDT1	Aggregate	Aggregate	Diesel	21.12239241	89335.94242	89335.94	0	20559.28	0.114630093
Bay Area AQMD	2028	LDT2	Aggregate	Aggregate	Gasoline	1173914.965	14681308974	1.47E+10	0	1.9E+09	741.0536972
Bay Area AQMD	2028	LDT2	Aggregate	Aggregate	Diesel	4666.407485	58285525.47	58285525	0	7591527	2.227340322
Bay Area AQMD	2028	MHDT	Aggregate	Aggregate	Gasoline	6200.947223	106413908	1.06E+08	0	40570417	30.03019881
Bay Area AQMD	2028	MHDT	Aggregate	Aggregate	Diesel	49153.38842	615866247.9	6.16E+08	0	1.83E+08	585.7035256

Source: EMFAC2021 (v1.0.2) Emissions Inventory

Region Type: Air District

Region: Bay Area AQMD

Calendar Year: 2026, 2027, 2028

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/year for CVMT and EVMT, trips/year for Trips, kWh/year for Energy Consumption, tons/year for Emissions, 1000 gallons/year for Fuel Consumption

NOx_IDLEX	NOx_STREX	PM2.5_RUNEX	PM2.5_IDLEX	PM2.5_STREX	PM2.5_PMTW	PM2.5_PMBW	PM10_RUNEX	PM10_IDLEX
0	0.013934739	0.000879047	0	7.83063E-05	0.003123327	0.019720632	0.000956044	0
777.8138631	562.1145829	38.06233285	0.375834672	0	13.08426783	41.17753767	39.78334265	0.392828248
0	940.8186436	34.31026726	0	7.206496492	61.17867572	78.40030258	37.31554614	0
0	0	1.110294784	0	0	0.151732044	0.200233403	1.160497387	0
0	124.2761633	3.919454932	0	0.865657457	5.081909145	7.967121157	4.262764853	0
0	0	0.093137552	0	0	0.000789607	0.001455458	0.097348819	0
0	599.8384108	18.35819433	0	3.776721039	31.60219755	47.64176982	19.96621135	0
0	0	0.296925446	0	0	0.127595419	0.19417608	0.310351098	0
0.193930025	18.97874156	0.157309271	0	0.022201105	0.362714085	1.904986402	0.171088185	0
199.7981395	326.6133808	7.035942803	0.319810305	0	2.055077157	10.92722678	7.354076915	0.334270708
0	0.012124662	0.000832548	0	6.96174E-05	0.00297249	0.018778113	0.000905472	0
771.8423564	572.2488519	38.03654294	0.367901885	0	13.15643864	41.62566068	39.75638663	0.384536776
0	901.3139489	32.6414504	0	6.938481495	60.98713549	78.14869824	35.50055555	0
0	0	0.862564322	0	0	0.135631542	0.179232601	0.901565653	0
0	115.3166423	3.604221049	0	0.804161177	4.960406829	7.772789083	3.919919243	0
0	0	0.030922421	0	0	0.000314154	0.000570668	0.032320595	0
0	582.7992973	17.73740867	0	3.706993895	32.00179058	48.28969214	19.2910503	0
0	0	0.283336875	0	0	0.12815302	0.195246878	0.296148111	0
0.186505085	18.13380737	0.155480046	0	0.021425088	0.358294626	1.881775259	0.169098736	0
192.2201789	328.3921236	6.147160591	0.267159009	0	2.051461566	10.90810777	6.425107915	0.279238754
0	0.009834695	0.000774377	0	5.94927E-05	0.00281226	0.01776852	0.000842206	0
764.2144917	576.2102381	37.92836029	0.358082275	0	13.20197094	41.9813985	39.64331244	0.374273167
0	867.7325808	30.75339027	0	6.627544954	60.84185555	77.95621734	33.44711788	0
0	0	0.630793095	0	0	0.120621008	0.159526941	0.659314759	0
0	107.2254586	3.301241728	0	0.746391843	4.84714457	7.590135432	3.590401587	0
0	0	0.017018325	0	0	0.000196952	0.000350508	0.017787818	0
0	569.1796435	16.94266981	0	3.60186984	32.36674588	48.88850237	18.42669928	0
0	0	0.274925644	0	0	0.128497588	0.195880775	0.287356562	0
0.178401201	17.067087	0.153040405	0	0.020728619	0.351903763	1.848210234	0.166445405	0
184.23239	324.5501484	5.383814529	0.223171027	0	2.036628993	10.82937612	5.627246732	0.233261831

PM10_STREX	PM10_PMTW	PM10_PMBW	CO2_RUNEX	CO2_IDLEX	CO2_STREX	CH4_RUNEX	CH4_IDLEX	CH4_STREX	N2O_RUNEX	N2O_IDLEX
8.51653E-05	0.01249331	0.056344662	1379.26997	0	6.287682947	0.072886199	0	1.48451E-05	0.095113372	0
0	52.33707133	117.6501076	2355807.945	150371.2987	0	1.115885907	3.065712397	0	371.1585011	23.69105936
7.837722462	244.7147029	224.0008645	8130441.517	0	262447.9549	60.36890577	0	255.8341023	130.1214785	0
0	0.606928174	0.572095437	17670.84404	0	0	0.088514242	0	0	2.784048675	0
0.941481468	20.32763658	22.76320331	808023.107	0	29176.7585	12.33775629	0	33.56919811	20.10432847	0
0	0.003158428	0.004158451	165.5139121	0	0	0.005503532	0	0	0.026076784	0
4.107528721	126.4087902	136.1193423	5138844.497	0	167474.9833	37.23394584	0	150.5969466	81.12236993	0
0	0.510381674	0.5547888	19316.31291	0	0	0.039106158	0	0	3.043292966	0
0.024145727	1.45085634	5.442818291	210822.3259	1210.456662	2067.087446	1.320837774	0.607681921	2.075941225	2.195044357	0.016533032
0	8.220308628	31.22064793	778025.4263	36929.82015	0	0.743882214	0.171129701	0	122.5782228	5.818308204
7.57153E-05	0.011889961	0.05365175	1294.876692	0	5.919077478	0.066709458	0	1.39055E-05	0.088682842	0
0	52.62575458	118.9304591	2328106.684	149885.1543	0	1.085332728	3.108331705	0	366.7941561	23.6144671
7.546231699	243.948542	223.281995	7942056.016	0	256149.5315	55.46240075	0	241.4743199	124.3815208	0
0	0.542526168	0.512093144	15605.37348	0	0	0.071177155	0	0	2.458632947	0
0.874598652	19.84162732	22.20796881	774902.4146	0	27954.66462	10.82454643	0	30.81280566	18.17672776	0
0	0.001256615	0.001630481	62.82667874	0	0	0.001883601	0	0	0.009898369	0
4.03169409	128.0071623	137.970549	5093336.899	0	166710.6797	35.2554876	0	145.9257074	78.31098091	0
0	0.512612081	0.557848222	19026.24506	0	0	0.038341624	0	0	2.997592657	0
0.023301738	1.433178506	5.376500739	206061.2063	1184.308898	2007.730403	1.123944193	0.603980898	1.995362484	1.947742156	0.016100961
0	8.205846266	31.1660222	772314.0822	36985.5998	0	0.6493946	0.166132169	0	121.6783982	5.827096311
6.47038E-05	0.01124904	0.050767201	1208.237691	0	5.48519505	0.061134064	0	1.2444E-05	0.081980532	0
0	52.80788376	119.9468528	2293198.874	148886.1892	0	1.053412344	3.141649083	0	361.2944165	23.45707974
7.20805984	243.3674222	222.7320495	7773735.028	0	250416.6756	51.38966499	0	228.5634474	119.7300184	0
0	0.482484032	0.455791259	13680.53	0	0	0.057747872	0	0	2.155373073	0
0.811769231	19.38857828	21.68610123	744311.4552	0	26830.66258	9.56390726	0	28.36101455	16.51051972	0
0	0.000787808	0.001001452	38.072558	0	0	0.001279248	0	0	0.005998347	0
3.917362089	129.4669835	139.6814353	5050582.322	0	166041.2316	33.55133315	0	141.6320721	75.916354	0
0	0.513990352	0.559659358	18723.64818	0	0	0.037978388	0	0	2.949918396	0
0.022544264	1.407615053	5.280600668	200418.4863	1156.183194	1946.617499	0.962329224	0.597933961	1.917913415	1.713772648	0.015595007
0	8.146515972	30.94107464	762405.2734	36861.07842	0	0.568296257	0.161521379	0	120.1172613	5.807477916

N2O_STREX	ROG_RUNEX	ROG_IDLEX	ROG_STREX	ROG_HOTSOAK	ROG_RUNLOSS	ROG_DIURN	TOG_RUNEX	TOG_IDLEX	TOG_STREX
0.000469916	0.363921998	0	8.05097E-05	0.00657775	0.054435275	0.021213233	0.531034125	0	8.8148E-05
0	24.02471758	66.00394721	0	0	0	0	27.35031217	75.1404696	0
123.6650309	224.5504966	0	1159.041195	339.6712782	899.2120944	1169.347113	327.6635575	0	1269.004217
0	1.905659522	0	0	0	0	0	2.169466669	0	0
13.03026186	53.76403543	0	170.068811	54.4213514	154.2063636	194.1789441	78.4523543	0	186.2039411
0	0.118487798	0	0	0	0	0	0.13489048	0	0
70.92666797	140.9293489	0	684.2905867	152.8500682	421.6525586	555.1105981	205.6437751	0	749.2120593
0	0.841932547	0	0	0	0	0	0.95848423	0	0
1.489827077	6.430756477	2.340630993	11.25653442	1.389377986	11.33581914	5.593171737	9.383744756	3.415443251	12.3244883
0	16.01558009	3.68437554	0	0	0	0	18.2325188	4.194381093	0
0.000428721	0.329252399	0	7.53825E-05	0.005899188	0.049017823	0.019646806	0.480444327	0	8.25344E-05
0	23.366916	66.92152923	0	0	0	0	26.60145515	76.18506687	0
120.3969663	202.8761847	0	1084.037553	326.8392802	886.226034	1151.397124	296.0364524	0	1186.88467
0	1.53240224	0	0	0	0	0	1.744538069	0	0
12.40483261	46.72268947	0	154.4245762	50.59842008	143.8911084	183.1154726	68.1776388	0	169.0754731
0	0.040552815	0	0	0	0	0	0.046166684	0	0
70.54811964	131.6450132	0	657.5018361	150.4353291	422.5970054	555.859067	192.0960942	0	719.8817493
0	0.825472594	0	0	0	0	0	0.939745667	0	0
1.455444201	5.397432729	2.313722046	10.69561068	1.296168606	10.75466159	5.373085499	7.875921168	3.376177778	11.71034742
0	13.98128766	3.576780041	0	0	0	0	15.91663173	4.071891807	0
0.00033368	0.297522953	0	6.74402E-05	0.004668465	0.038108171	0.015621245	0.434144794	0	7.38386E-05
0	22.67967889	67.63884325	0	0	0	0	25.81908801	77.00167429	0
117.567182	184.9278297	0	1017.278274	312.5838374	865.3677633	1124.482596	269.846255	0	1113.791663
0	1.243277687	0	0	0	0	0	1.415388988	0	0
11.83397689	40.89127244	0	140.6430453	47.6876891	138.1925935	177.2664421	59.66844875	0	153.9864316
0	0.027541464	0	0	0	0	0	0.031354126	0	0
70.37156068	123.6013282	0	633.031268	146.8938357	418.7952748	550.9924624	180.3587679	0	693.0895574
0	0.817652323	0	0	0	0	0	0.930842809	0	0
1.39438192	4.552558831	2.280942084	10.16844859	1.193490761	10.01885313	5.050611273	6.643083159	3.328345335	11.13317128
0	12.23526257	3.477511001	0	0	0	0	13.92891508	3.958881562	0

TOG_HOTSOAK	TOG_RUNLOSS	TOG_DIURN	NH3_RUNEX	CO_RUNEX	CO_IDLEX	CO_STREX	SOx_RUNEX	SOx_IDLEX	SOx_STREX
0.00657775	0.054435275	0.021213233	0.028074021	20.13130166	0	0.562290044	0.013635488	0	6.21601E-05
0	0	0	320.3095125	112.8474577	962.465791	0	22.30809249	1.423926279	0
339.6712782	899.2120944	1169.347113	1115.660399	19829.51148	0	11683.60557	80.37769182	0	2.594565226
0	0	0	0.2351846	24.93573649	0	0	0.167440228	0	0
54.4213514	154.2063636	194.1789441	93.17502004	2947.709564	0	1674.554091	7.988131044	0	0.288441962
0	0	0	0.001223891	0.663838256	0	0	0.001568328	0	0
152.8500682	421.6525586	555.1105981	597.9824768	11341.2022	0	6732.716232	50.8027096	0	1.655660712
0	0	0	0.197772842	8.67212781	0	0	0.183031881	0	0
1.389377986	11.33581914	5.593171737	5.440251505	131.5557342	34.9028962	243.1565826	2.084193325	0.011966596	0.020435264
0	0	0	145.847533	66.22196671	124.807179	0	7.367435536	0.349703313	0
0.005899188	0.049017823	0.019646806	0.026725952	18.73311055	0	0.523096584	0.012801174	0	5.85161E-05
0	0	0	322.5937688	107.9377858	977.335726	0	22.04577811	1.419322781	0
326.8392802	886.226034	1151.397124	1136.681422	18849.69649	0	11067.19767	78.51530935	0	2.5322989
0	0	0	0.21022883	21.44990662	0	0	0.147868844	0	0
50.59842008	143.8911084	183.1154726	91.9900851	2665.80069	0	1529.258024	7.66069928	0	0.27636032
0	0	0	0.000486938	0.294451338	0	0	0.000595315	0	0
150.4353291	422.5970054	555.859067	615.3578168	11010.52786	0	6548.785211	50.35282066	0	1.648104793
0	0	0	0.198637124	8.614906658	0	0	0.180283341	0	0
1.296168606	10.75466159	5.373085499	5.374417855	108.8042962	34.4888727	229.8894197	2.037124811	0.011708099	0.019848459
0	0	0	146.2886173	60.69044304	126.008847	0	7.313352523	0.350231513	0
0.004668465	0.038108171	0.015621245	0.025310332	17.56759368	0	0.507035384	0.01194466	0	5.42267E-05
0	0	0	324.1859842	103.1664057	989.273001	0	21.71522203	1.409863179	0
312.5838374	865.3677633	1124.482596	1156.23429	18031.44687	0	10521.68744	76.85128503	0	2.475623782
0	0	0	0.186962509	18.19478943	0	0	0.129629974	0	0
47.6876891	138.1925935	177.2664421	90.88810618	2428.572486	0	1402.024403	7.358276502	0	0.265248415
0	0	0	0.000305276	0.197580081	0	0	0.000360757	0	0
146.8938357	418.7952748	550.9924624	631.0563312	10740.90042	0	6389.288547	49.93014814	0	1.641486618
0	0	0	0.199171204	8.568149587	0	0	0.177416082	0	0
1.193490761	10.01885313	5.050611273	5.278554936	90.05483707	33.9893124	217.0877696	1.981340779	0.011430048	0.019244296
0	0	0	145.8098143	55.75976531	126.614565	0	7.219522029	0.34905237	0

Table 5: On-Road Exhaust and Wear (grams/mile)

Region	Calendar Year	Vehicle Category	Fuel	Concat	ROG_Mile	NOx_Mile	CO_Mile	SOx_Mile	PM10_Mile	PM2.5_Mile	CO2_Mile	CH4_Mile	N2O_Mile	TOG_Mile
BAAQMD	2026	HHDT	Gasoline	HHDT_Gasoline	0.582587186	3.99666639	32.22734116	0.02182847	0.111730258	0.037977147	2208.014397	0.116680403	0.152262936	0.850109855
BAAQMD	2026	HHDT	Diesel	HHDT_Diesel	0.016161534	1.801210008	0.075912985	0.015006753	0.14111356	0.062106857	1584.762447	0.000750661	0.249679969	0.018398676
BAAQMD	2026	LDA	Gasoline	LDA_Gasoline	0.007340811	0.035917053	0.64824931	0.002627638	0.016542733	0.005684637	265.7933913	0.001973528	0.004253819	0.010711695
BAAQMD	2026	LDA	Diesel	LDA_Diesel	0.025118756	0.180085123	0.328681313	0.002207052	0.030837542	0.01927425	232.9217836	0.001166718	0.036696922	0.028596033
BAAQMD	2026	LDT1	Gasoline	LDT1_Gasoline	0.021158997	0.101277448	1.160079933	0.003143753	0.018636153	0.006677998	317.9999152	0.004855561	0.007912119	0.030875159
BAAQMD	2026	LDT1	Diesel	LDT1_Diesel	0.300118481	1.604784997	1.681440054	0.003972429	0.265108399	0.241595225	419.2312195	0.01393993	0.066050049	0.341664937
BAAQMD	2026	LDT2	Gasoline	LDT2_Gasoline	0.008918961	0.05390065	0.717747899	0.003215139	0.017878151	0.006176924	325.220799	0.002356416	0.005133972	0.013014527
BAAQMD	2026	LDT2	Diesel	LDT2_Diesel	0.013196913	0.039895489	0.135931688	0.002868942	0.02156068	0.009697795	302.774483	0.000612971	0.047702243	0.015023808
BAAQMD	2026	MHDT	Gasoline	MHDT_Gasoline	0.053188657	0.345527907	1.088094817	0.017238321	0.05843251	0.020057207	1743.707193	0.010924623	0.018155167	0.077612763
BAAQMD	2026	MHDT	Diesel	MHDT_Diesel	0.023379538	1.023951854	0.096670802	0.01075498	0.068311372	0.029222629	1135.761224	0.001085919	0.178939643	0.026615824
BAAQMD	2026	passenger	Gasoline	passenger_Gasoline	0.014644442	0.07309315	0.921539269	0.003032571	0.017923298	0.00630439	306.7535052	0.003510266	0.006303007	0.021369135
BAAQMD	2026	passenger	Diesel	passenger_Diesel	0.159638157	0.857387651	0.956873277	0.003255213	0.145653755	0.128040624	343.5396764	0.007414887	0.054124816	0.181737429
BAAQMD	2026	vendor	Gasoline	vendor_Gasoline	0.053188657	0.345527907	1.088094817	0.017238321	0.05843251	0.020057207	1743.707193	0.010924623	0.018155167	0.077612763
BAAQMD	2026	vendor	Diesel	vendor_Diesel	0.023379538	1.023951854	0.096670802	0.01075498	0.068311372	0.029222629	1135.761224	0.001085919	0.178939643	0.026615824
BAAQMD	2026	hhdt	Gasoline	hhdt_Gasoline	0.582587186	3.99666639	32.22734116	0.02182847	0.111730258	0.037977147	2208.014397	0.116680403	0.152262936	0.850109855
BAAQMD	2026	hhdt	Diesel	hhdt_Diesel	0.016161534	1.801210008	0.075912985	0.015006753	0.14111356	0.062106857	1584.762447	0.000750661	0.249679969	0.018398676

Table 6: On-Road Start Up and Evap (grams/trip)

Region	Calendar Year	Vehicle Category	Fuel	Concat	ROG_Trip	NOx_Trip	CO_Trip	SOx_Trip	PM10_Trip	PM2.5_Trip	CO2_Trip	CH4_Trip	N2O_Trip	TOG_Trip
BAAQMD	2026	HHDT	Gasoline	HHDT_Gasoline	0.508158373	0.115905136	4.676966153	0.00051703	0.00070838	0.000651329	52.29913043	0.000123478	0.003908625	0.508221906
BAAQMD	2026	HHDT	Diesel	HHDT_Diesel	0	2.950060859	0	0	0	0	0	0	0	0
BAAQMD	2026	LDA	Gasoline	LDA_Gasoline	0.614941463	0.241270473	2.996229992	0.000665369	0.002009963	0.001848087	67.30408939	0.065607984	0.031713573	0.643141192
BAAQMD	2026	LDA	Diesel	LDA_Diesel	0	0	0	0	0	0	0	0	0	0
BAAQMD	2026	LDT1	Gasoline	LDT1_Gasoline	1.081842533	0.355026334	4.78378785	0.000824008	0.00268958	0.00247297	83.35079982	0.095898916	0.037224243	1.127936619
BAAQMD	2026	LDT1	Diesel	LDT1_Diesel	0	0	0	0	0	0	0	0	0	0
BAAQMD	2026	LDT2	Gasoline	LDT2_Gasoline	0.622273878	0.296525092	3.328261856	0.000818462	0.002030522	0.00186699	82.78985472	0.074446339	0.035062004	0.654367264
BAAQMD	2026	LDT2	Diesel	LDT2_Diesel	0	0	0	0	0	0	0	0	0	0
BAAQMD	2026	MHDT	Gasoline	MHDT_Gasoline	0.520940574	0.412263664	5.281942611	0.000443903	0.000524503	0.000482261	44.90208386	0.045094409	0.032362608	0.544139087
BAAQMD	2026	MHDT	Diesel	MHDT_Diesel	0	1.645096047	0	0	0	0	0	0	0	0
BAAQMD	2026	passenger	Gasoline	passenger_Gasoline	0.850225102	0.311962058	3.973016887	0.000782962	0.002354912	0.002165254	79.19888594	0.082963039	0.035306016	0.888345423
BAAQMD	2026	passenger	Diesel	passenger_Diesel	0	0	0	0	0	0	0	0	0	0
BAAQMD	2026	vendor	Gasoline	vendor_Gasoline	0.520940574	0.412263664	5.281942611	0.000443903	0.000524503	0.000482261	44.90208386	0.045094409	0.032362608	0.544139087
BAAQMD	2026	vendor	Diesel	vendor_Diesel	0	1.645096047	0	0	0	0	0	0	0	0
BAAQMD	2026	hhdt	Gasoline	hhdt_Gasoline	0.508158373	0.115905136	4.676966153	0.00051703	0.00070838	0.000651329	52.29913043	0.000123478	0.003908625	0.508221906
BAAQMD	2026	hhdt	Diesel	hhdt_Diesel	0	2.950060859	0	0	0	0	0	0	0	0

Table 7: On-Road Start Idle and Evap (grams/vehicle/day)

Region	Calendar Year	Vehicle Category	Fuel	Concat	ROG_Vehicle	NOx_Vehicle	CO_Vehicle	SOx_Vehicle	PM10_Vehicle	PM2.5_Vehicle	CO2_Vehicle	CH4_Vehicle	N2O_Vehicle	TOG_Vehicle
BAAQMD	2026	HHDT	Gasoline	HHDT_Gasoline	3.326845612	0	0	0	0	0	0	0	0	3.326845612
BAAQMD	2026	HHDT	Diesel	HHDT_Diesel	4.574898483	53.91222211	66.71090858	0.098695888	0.027227907	0.02605004	10422.6104	0.212492185	1.642086513	5.208173676
BAAQMD	2026	LDA	Gasoline	LDA_Gasoline	1.388346081	0	0	0	0	0	0	0	0	1.388346081
BAAQMD	2026	LDA	Diesel	LDA_Diesel	0	0	0	0	0	0	0	0	0	0
BAAQMD	2026	LDT1	Gasoline	LDT1_Gasoline	2.458989334	0	0	0	0	0	0	0	0	2.458989334
BAAQMD	2026	LDT1	Diesel	LDT1_Diesel	0	0	0	0	0	0	0	0	0	0
BAAQMD	2026	LDT2	Gasoline	LDT2_Gasoline	1.284326706	0	0	0	0	0	0	0	0	1.284326706
BAAQMD	2026	LDT2	Diesel	LDT2_Diesel	0	0	0	0	0	0	0	0	0	0
BAAQMD	2026	MHDT	Gasoline	MHDT_Gasoline	3.24945855	0.079428188	14.29522746	0.004901175	0	0	495.7684081	0.248889124	0.006771457	3.689670892
BAAQMD	2026	MHDT	Diesel	MHDT_Diesel	0.198913095	10.78675774	6.738124844	0.01887988	0.0180467	0.017266008	1993.777441	0.009238998	0.314120448	0.226447418
BAAQMD	2026	passenger	Gasoline	passenger_Gasoline	1.897662864	0	0	0	0	0	0	0	0	1.897662864
BAAQMD	2026	passenger	Diesel	passenger_Diesel	0	0	0	0	0	0	0	0	0	0
BAAQMD	2026	vendor	Gasoline	vendor_Gasoline	3.24945855	0.079428188	14.29522746	0.004901175	0	0	495.7684081	0.248889124	0.006771457	3.689670892
BAAQMD	2026	vendor	Diesel	vendor_Diesel	0.198913095	10.78675774	6.738124844	0.01887988	0.0180467	0.017266008	1993.777441	0.009238998	0.314120448	0.226447418
BAAQMD	2026	hhdt	Gasoline	hhdt_Gasoline	3.326845612	0	0	0	0	0	0	0	0	3.326845612
BAAQMD	2026	hhdt	Diesel	hhdt_Diesel	4.574898483	53.91222211	66.71090858	0.098695888	0.027227907	0.02605004	10422.6104	0.212492185	1.642086513	5.208173676

Note: Assume 347 days of operation

Table 8: Entrained Road Dust Emission Factors - Paved (pounds/mile)

Paved	k	sL	W	p	N		Uncontrolled EF	Controlled EF
PM10	1	0.1	2.4	2	365		0.000661537	0.000661537
PM2.5	0.25	0.1	2.4	2	365		0.000165384	0.000165384

Table 9: Entrained Road Dust Emission Factors - Unpaved (pounds/mile)

Unpaved	k	s	M	S2	C	p	Uncontrolled EF	Controlled EF
PM10	1.8	8.5	0.5	40	0.00047	2	1.463708676	0.368854586
PM2.5	0.18	8.5	0.5	40	0.00036	2	0.146059583	0.036807015

Table 10: Grading Emission Factor (pounds/acre/day)

Pollutant	S	F	Wb	UC1	UC2	Uncontrolled EF	Controlled EF
PM10	7.1	0.6	12	43560	5280	1.060500375	0.413595146
PM2.5	7.1	0.031	12	43560	5280	0.114509168	0.044658576

Table 11: Bulldozing Emission Factor (pounds/hour)

Pollutant	C	s	M	F	Uncontrolled EF	Controlled EF
PM10	1	6.9	7.9	0.75	0.752760759	0.293576696
PM2.5	5.7	6.9	7.9	0.105	0.413778428	0.161373587

Table 12: Grading Efficiency by Equipment Type

Equipment	Acres Graded per 8 hours
Crawler Tractors	0.5
Graders	0.5
Rubber Tired Dozers	0.5
Scrapers	1

Table 13: Global Warming Potentials

Pollutant	GWP
CO2	1
CH4	25
N2O	298
SF6	23500

Table 14: Activity List

Index	Component	Activity Name	Workforce	Start Date	End Date	Schedule Days	BAAQMD Percent	SMAQMD Percent
L-01	General	Survey	4	5/1/2026	6/1/2026	26	1	0
L-02	Collinsville Substation	Site Development/Staging Yards	12	5/1/2026	8/1/2026	76	1	0
L-03	Collinsville Substation	Below-Grade Construction	40	7/14/2026	1/14/2027	152	1	0
L-04	Collinsville Substation	Above-Grade Construction	30	1/2/2027	2/11/2028	333	1	0
P-05	500 kV Interconnection	Foundation Installation	15	6/1/2027	7/28/2027	48	1	0
P-06	500 kV Interconnection	Structure Installation	15	7/29/2027	8/21/2027	21	1	0
P-07	500 kV Interconnection	Conductor Installation	30	8/22/2027	9/15/2027	20	1	0
L-08	230 kV - New Overhead Transmission	Access Road Construction	12	5/1/2026	5/19/2026	16	1	0
L-09	230 kV - New Overhead Transmission	Foundation Installation	12	5/20/2027	6/15/2027	22	1	0
L-10	230 kV - New Overhead Transmission	Structure Installation	12	6/16/2027	7/15/2027	24	1	0
L-11	230 kV - New Overhead Transmission	Conductor Installation	30	7/16/2027	8/15/2027	26	1	0
L-12	230 kV - New Submerged Cable	Transition Structure Foundation Installation	20	6/15/2026	12/15/2026	150	1	0
L-13	230 kV - New Submerged Cable	Transition Structure Installation	20	6/15/2027	7/15/2027	25	1	0
L-14	230 kV - New Submerged Cable	Submarine Cable Installation	25	6/20/2027	12/15/2027	147	0.7	0.3
L-15	230 kV - Southern Construction	Southern Transition Approach Construction	25	6/15/2027	11/30/2027	138	1	0
L-16	230 kV - Southern Construction	Substation Getaways	20	6/1/2027	8/23/2027	70	1	0
P-17	12 kV Distribution	Distribution Extension to Substation	10	6/1/2026	8/1/2026	51	1	0
L-18	Telecommunications	Fiber Extension to Substation	12	6/1/2027	10/1/2027	103	1	0
P-19	Substation Modifications	Vaca Dixon, Tesla, and Pittsburg Substation Upgrades	15	6/1/2026	10/1/2026	102	1	0
L-20	General	Commissioning and Testing	24	11/1/2027	6/1/2028	174	1	0
L-21	General	Cleanup and Restoration	12	2/1/2028	7/17/2028	140	1	0

Table 15: Equipment List

EquipIndex	Activity Number	Activity Name	Equipment Name	HP	Fuel Type	Quantity	Days Used	Hours Per Day	EquipContact	On/Off	Earth Moving	Off Count	On Count	Earth Moving Count	On Type	CalEEModType	On Distance	Trips Per Day	MT	Total VMT	Total Trips per day	Automobile?
1	1-L-01	Survey	Pickup - 1/2 Ton	35	Gasoline	2	26	4	Pickup - 1/2 Ton 395	on			1		passenger		40	2	160	4160	4	Automobile
2	1-L-02	Site Development/Staging Yards	Truck - Water 4 K	300	Diesel	4	76	10	Truck - Water 4 K 300	on			2		vendor		40	2	320	24320	8	Const Vehicle
3	1-L-02	Site Development/Staging Yards	Loader - 4.5 Yd	230	Diesel	2	76	10	Loader - 4.5 Yd 230	on		1			Rubber Tired Loaders							
4	1-L-02	Site Development/Staging Yards	Truck - Dump 10-12 Yd	415	Diesel	5	76	10	Truck - Dump 10-12 Yd 415	on			3		hhdt		40	4	800	60800	20	Const Vehicle
5	1-L-02	Site Development/Staging Yards	Motor Grader	250	Diesel	2	76	10	Motor Grader 250	off	grading	2		1		Graders						
6	1-L-02	Site Development/Staging Yards	Scraper	410	Diesel	4	76	10	Scraper 410	off	grading	3		2		Scrapers						
7	1-L-02	Site Development/Staging Yards	Vibratory Roller	157	Diesel	2	76	10	Vibratory Roller 157	off		4		4		Rollers						
8	1-L-02	Site Development/Staging Yards	Pickup - 1/2 Ton	35	Gasoline	4	76	4	Pickup - 1/2 Ton 395	on			4		passenger		40	2	320	24320	8	Automobile
9	1-L-02	Site Development/Staging Yards	Generator - 25 Kw	395	Diesel	2	76	10	Generator - 25 Kw 36	off						Generator Sets						
10	1-L-02	Site Development/Staging Yards	Forklift - 15,000 lb	130	Diesel	4	76	6	Forklift - 15,000 lb 130	off		6			Forklifts							
11	1-L-02	Site Development/Staging Yards	Pickup - 1 Ton	410	Diesel	4	76	4	Pickup - 1 Ton 410	on			5		passenger		40	2	320	24320	8	Automobile
12	1-L-02	Site Development/Staging Yards	844 Loader	417	Diesel	1	76	6	844 Loader 417	off		7			Rubber Tired Loaders							
13	1-L-02	Site Development/Staging Yards	Semi Truck	500	Diesel	2	76	6	Semi Truck 500	on			6		hhdt		40	2	160	12160	4	Const Vehicle
14	1-L-03	Below-Grade Construction	Truck - Water 4 K	300	Diesel	2	152	10	Truck - Water 4 K 300	on			7		vendor		40	2	160	24320	4	Const Vehicle
15	1-L-03	Below-Grade Construction	Excavator	108	Diesel	2	152	10	Excavator 108	off		8			Excavators							
16	1-L-03	Below-Grade Construction	Forklift - 15 K Reach	130	Diesel	3	152	8	Forklift - 15 K Reach 130	off		9			Forklifts							
17	1-L-03	Below-Grade Construction	Backhoe - 2K4	68	Diesel	2	152	6	Backhoe - 2K4 68	off		10			Excavators							
18	1-L-03	Below-Grade Construction	Pickup - 1/2 Ton	395	Gasoline	4	152	2	Pickup - 1/2 Ton 395	on			8				40	2	320	48640	8	Automobile
19	1-L-03	Below-Grade Construction	Pickup - 1 Ton	410	Diesel	4	152	2	Pickup - 1 Ton 410	on			8		passenger		40	2	320	48640	8	Automobile
20	1-L-03	Below-Grade Construction	Excavator - Mini	70	Diesel	1	152	5	Excavator - Mini 70	off		11			Excavators							
21	1-L-03	Below-Grade Construction	Generator - 25 Kw	36	Diesel	1	152	10	Generator - 25 Kw 36	off		12			Generator Sets							
22	1-L-03	Below-Grade Construction	Truck - Concrete	425	Diesel	4	152	5	Truck - Concrete 425	on			10		hhdt		60	2	480	72960	8	Const Vehicle
23	1-L-03	Below-Grade Construction	Loader - 4.5 Yd	230	Diesel	2	152	4	Loader - 4.5 Yd 230	off		13			Rubber Tired Loaders							
24	1-L-03	Below-Grade Construction	Pressure Digger - Lo-Drill (Tracked)	275	Diesel	1	152	8	Pressure Digger - Lo-Drill (Tracked)	off		14			Bore/Drill Rigs							
25	1-L-03	Below-Grade Construction	Excavator	275	Diesel	1	152	10	Excavator 275	off		15			Excavators							
26	1-L-03	Below-Grade Construction	Truck - Dump 10-12 Yd	415	Diesel	1	152	5	Truck - Dump 10-12 Yd 415	on			11		hhdt		40	4	480	72960	12	Const Vehicle
27	1-L-03	Below-Grade Construction	Top - Van/Conex 20'	0	NA	6	152	10	Top - Van/Conex 20' 0	NA							40	4	480	72960	12	Const Vehicle
28	1-L-03	Below-Grade Construction	Trencher	75	Diesel	2	152	5	Trencher 75	off		16			Trenchers							
29	1-L-03	Below-Grade Construction	Skid steer loader	74	Diesel	2	152	10	Skid steer loader 74	off		17			Skid Steer Loaders							
30	1-L-03	Below-Grade Construction	Wire Trailer/ Tensioner	175	Diesel	1	152	5	Wire Trailer/ Tensioner 175	off		18			Other Construction Equipment							
31	1-L-03	Below-Grade Construction	Wire Puller	175	Diesel	1	152	5	Wire Puller 175	off		19			Other Construction Equipment							
32	1-L-04	Above-Grade Construction	Wire Trailer/ Tensioner	175	Diesel	1	333	5	Wire Trailer/ Tensioner 175	off		20			Other Construction Equipment							
33	1-L-04	Above-Grade Construction	Wire Puller	175	Diesel	1	333	5	Wire Puller 175	off		21			Other Construction Equipment							
34	1-L-04	Above-Grade Construction	Crane - 200 Ton	275	Diesel	1	333	4	Crane - 200 Ton 275	off		22			Cranes							
35	1-L-04	Above-Grade Construction	Pickup - 1/2 Ton	395	Gasoline	4	333	2	Pickup - 1/2 Ton 395	on		12			passenger		40	2	320	106560	8	Automobile
36	1-L-04	Above-Grade Construction	Pickup - 1 Ton	410	Diesel	4	333	2	Pickup - 1 Ton 410	on		13			passenger		40	2	320	106560	8	Automobile
37	1-L-04	Above-Grade Construction	Welding Truck	395	Diesel	2	333	2	Welding Truck 395	on		14			vendor		40	2	160	53280	4	Const Vehicle
38	1-L-04	Above-Grade Construction	Generator - 25 Kw	36	Diesel	2	333	10	Generator - 25 Kw 36	off		23			Generator Sets							
39	1-L-04	Above-Grade Construction	Crane - 35 Ton (Manlift)	250	Diesel	2	333	5	Crane - 35 Ton (Manlift) 250	off		24			Cranes							
40	1-L-04	Above-Grade Construction	Forklift - 10 K Reach	130	Diesel	2	333	4	Forklift - 10 K Reach 130	off		25			Forklifts							
41	1-L-04	Above-Grade Construction	Forklift - 15,000 lb	130	Diesel	1	333	4	Forklift - 15,000 lb 130	off		26			Forklifts							
42	1-L-04	Above-Grade Construction	Loader - 4.5 Yd	74	Diesel	2	333	5	Loader - 4.5 Yd 74	off		27			Rubber Tired Loaders							
43	1-L-04	Above-Grade Construction	120' Manlift	74	Diesel	2	333	4	120' Manlift 74	off		28			Aerial Lifts							
44	1-L-04	Above-Grade Construction	Pressure Digger - Lo-Drill (Tracked)	275	Diesel	1	40	8	Pressure Digger - Lo-Drill (Tracked)	off		29			Bore/Drill Rigs							
45	1-L-04	Foundation Installation	Truck - Concrete	425	Diesel	4	40	5	Truck - Concrete 425	on			15		hhdt		60	2	480	19200	8	Const Vehicle
46	1-L-04	Foundation Installation	Pickup - 1 Ton	410	Diesel	4	40	2	Pickup - 1 Ton 410	on			16		passenger		60	2	480	19200	8	Automobile
47	1-L-04	Foundation Installation	Truck - Water 4 K	300	Diesel	2	40	6	Truck - Water 4 K 300	on			17		vendor		60	2	240	9600	4	Const Vehicle
48	1-L-04	Foundation Installation	Truck - Dump 10-12 Yd	415	Diesel	2	40	10	Truck - Dump 10-12 Yd 415	on			18		hhdt		40	2	160	6400	4	Const Vehicle
49	1-L-04	Foundation Installation	Skid steer loader	74	Diesel	1	40	10	Skid steer loader 74	off		30			Skid Steer Loaders							
50	1-L-04	Foundation Installation	Forklift - 10 K Reach	130	Diesel	1	40	8	Forklift - 10 K Reach 130	off		31			Forklifts							
51	1-L-04	Foundation Installation	Crane - 35 Ton (Manlift)	250	Diesel	1	40	4	Crane - 35 Ton (Manlift) 250	off		32			Cranes							
52	1-L-04	Foundation Installation	Loader - 4.5 Yd	230	Diesel	1	40	8	Loader - 4.5 Yd 230	off		33			Rubber Tired Loaders							
53	1-L-04	Foundation Installation	Rough Terrain Crane	185	Diesel	1	40	2	Rough Terrain Crane 185	off		34			Cranes							
54	1-L-04	Foundation Installation	Motor Grader	250	Diesel	1	40	10	Motor Grader 250	off	grading	35		3		Graders						
55	1-L-04	Foundation Installation	D6 Type Dozer	250	Diesel	1	40	10	D6 Type Dozer 250	off	bulldozing	36		4		Rubber Tired Dozers						
56	1-L-04	Foundation Installation	Excavator	250	Diesel	1	40	10	Excavator 250	off		37			Excavators							
57	1-L-04	Foundation Installation	Vibratory Roller	125	Diesel	1	40	10	Vibratory Roller 125	off		38			Rollers							
58	1-L-04	Foundation Installation	Crane - 35 Ton (Manlift)	250	Diesel	2	48	10	Crane - 35 Ton (Manlift) 250	off		39			Cranes							
59	1-L-06	Structure Installation	Helicopter - Heavy Duty	3100	Jet	1	13	5	Helicopter - Heavy Duty 3200	helicopter												
60	1-L-06	Structure Installation	Pickup - 1/2 ton	395	Gasoline	2	48	2	Pickup - 1/2 ton 395	on			19		passenger		40	2	160	7680	4	Automobile
61	1-L-06	Structure Installation	Forklift - 15,000 lb	130	Diesel	1	48	5	Forklift - 15,000 lb 130	off		40			Forklifts							
62	1-L-06	Structure Installation	Pickup - 1 ton	410	Diesel	2	48	2	Pickup - 1 Ton 410	on			20		passenger		60	2	240	11520	4	Automobile
63	1-L-06	Structure Installation	Crane - 200 Ton	275	Diesel	1	48	10	Crane - 200 Ton 275	off		41			Cranes							
64	1-L-06	Structure Installation	844 Loader	417	Diesel	1	48	8	844 Loader 417	off		42			Rubber Tired Loaders							
65	1-L-06	Structure Installation	Truck - Water 4 K	300	Diesel	2	48	6	Truck - Water 4 K 300	on			21		vendor		60	2	240	11520	4	Const Vehicle
66	1-L-06	Structure Installation	Jet Fuel Truck	300	Jet	1	48	10	Jet Fuel Truck 300	on			22		vendor		40	2	80	3840	2	Const Vehicle

EquipIndex	Activity Number	Activity Index	Activity Name	Equipment Name	HP	Fuel Type	Quantity	Days Used	Hours Per Day	EquipContact	On-Off	Earth Moving	Off Count	On Count	Earth Moving Count	On Type	CallMeOutType	On Distance	Trips Per Day	VMT	Total VMT	Total Trips per day	Automobile?
105	11	-11	Conductor Installation	Pickup - 1/2 Ton	395	Gasoline	4	26	2	Pickup - 1/2 Ton, 395	on			39		passenger		40	2	320	8320	8	Automobile
106	11	-11	Conductor Installation	Pickup - 1 Ton	410	Diesel	1	26	2	Pickup - 1 Ton, 410	on			40		passenger		40	2	320	8320	8	Automobile
107	11	-11	Conductor Installation	DB Sag Dozer	200	Diesel	3	26	10	DB Sag Dozer, 200	off			64			Rubber Tired Dozers						
108	11	-11	Conductor Installation	Wire Puller	175	Diesel	1	26	5	Wire Puller, 175	off			63			Other Construction Equipment						
109	11	-11	Conductor Installation	Truck - Water 4 K	300	Diesel	2	26	6	Truck - Water 4 K, 300	on			64									
110	11	-11	Conductor Installation	Wire Trailer/ Tensioner	175	Diesel	1	26	5	Wire Trailer/ Tensioner, 175	off			65	41	vendor	Other Construction Equipment	40	2	160	4160	4	Const Vehicle
111	11	-11	Conductor Installation	Deck Barge	N/A	NA	1	26	2	Deck Barge, N/A	NA												
112	11	-11	Conductor Installation	Tug Boat	3300	Diesel	2	26	6	Tug Boat, 3300	boat			65									
113	11	-11	Conductor Installation	Support Vessel	200	Diesel	2	26	4	Support Vessel, 200	boat			65									
114	11	-11	Conductor Installation	Deck Generator	170	Diesel	1	26	8	Deck Generator, 170	off			66			Generator Sets						
115	11	-11	Conductor Installation	Anchor Winches	100	Diesel	4	26	4	Anchor Winches, 100	off			67			Other Construction Equipment						
116	12	-12	Transition Structure Foundation Installation	Spud Barge	N/A	NA	1	150	4	Spud Barge, N/A	NA												
117	12	-12	Transition Structure Foundation Installation	Hydraulic Unit	100	Diesel	1	150	2	Hydraulic Unit, 100	off			68			Other Construction Equipment						
118	12	-12	Transition Structure Foundation Installation	Tug Boat	3300	Diesel	2	150	6	Tug Boat, 3300	boat			68									
119	12	-12	Transition Structure Foundation Installation	Deck Winch	225	Diesel	1	150	2	Deck Winch, 225	off			69			Other Construction Equipment						
120	12	-12	Transition Structure Foundation Installation	Truck - Concrete	425	Diesel	1	150	10	Truck - Concrete, 425	on			70	42	hhdt		60	2	120	18000	2	Const Vehicle
121	12	-12	Transition Structure Foundation Installation	Concrete Pump	350	Diesel	1	150	3	Concrete Pump, 350	off			70			Pumps						
122	12	-12	Transition Structure Foundation Installation	Generator - 725 Kw	985	Diesel	1	150	8	Generator - 725 Kw, 985	off			71			Generator Sets						
123	12	-12	Transition Structure Foundation Installation	Deck Generator - 100kW	200	Diesel	1	150	6	Deck Generator - 100kW, 200	off			72			Generator Sets						
124	12	-12	Transition Structure Foundation Installation	Support Vessel	200	Diesel	1	150	6	Support Vessel, 200	boat			72									
125	12	-12	Transition Structure Foundation Installation	Air Compressor	50	Diesel	1	150	8	Air Compressor, 50	off			73			Air Compressors						
126	12	-12	Transition Structure Foundation Installation	Vibratory Hammer/Pile Driver	665	Diesel	1	150	8	Vibratory Hammer/Pile Driver, 665	off			74			Other Construction Equipment						
127	12	-12	Transition Structure Foundation Installation	Crane	180	Diesel	1	150	8	Crane, 180	off			75			Cranes						
128	12	-12	Transition Structure Foundation Installation	Engine Welder	25	Diesel	1	150	4	Engine Welder, 25	off			76			Welders						
129	12	-12	Transition Structure Foundation Installation	Support Vessel	200	Diesel	2	150	4	Support Vessel, 200	boat			76									
130	13	-13	Transition Structure Installation	Spud Barge	N/A	NA	1	25	4	Spud Barge, N/A	NA												
131	13	-13	Transition Structure Installation	Deck Barge	N/A	NA	1	25	2	Deck Barge, N/A	NA												
132	13	-13	Transition Structure Installation	Tug Boat	3300	Diesel	2	25	6	Tug Boat, 3300	boat			76									
133	13	-13	Transition Structure Installation	Barge Mounted Crane	250	Diesel	1	25	8	Barge Mounted Crane, 250	off			77			Cranes						
134	13	-13	Transition Structure Installation	Support Vessel	200	Diesel	2	25	4	Support Vessel, 200	boat			77									
135	13	-13	Transition Structure Installation	Deck Generator	170	Diesel	1	25	8	Deck Generator, 170	off			78			Generator Sets						
136	13	-13	Transition Structure Installation	Air Compressor	50	Diesel	1	25	8	Air Compressor, 50	off			79			Air Compressors						
137	13	-13	Transition Structure Installation	Generator - 725 Kw	985	Diesel	1	25	8	Generator - 725 Kw, 985	off			79			Generator Sets						
138	14	-14	Submarine Cable Installation	Survey Vessel	150	Diesel	2	147	12	Survey Vessel, 150	boat			80									
139	14	-14	Submarine Cable Installation	Tug Boat	1200	Diesel	2	147	8	Tug Boat, 1200	boat			80									
140	14	-14	Submarine Cable Installation	Crew Boat	1200	Diesel	1	147	12	Crew Boat, 1200	boat			80									
141	14	-14	Submarine Cable Installation	Small Boats	250	Gasoline	2	147	12	Small Boats, 250	boat			80									
142	14	-14	Submarine Cable Installation	Crane	180	Diesel	1	147	6	Crane, 180	off			81			Cranes						
143	14	-14	Submarine Cable Installation	Anchor Winches	100	Diesel	4	147	4	Anchor Winches, 100	off			82			Other Construction Equipment						
144	14	-14	Submarine Cable Installation	Generators	150	Diesel	1	147	12	Generators, 150	off			83			Generator Sets						
145	14	-14	Submarine Cable Installation	Misc Deck Equipment	100	Diesel	1	147	12	Misc Deck Equipment, 100	off			83			Other Construction Equipment						
146	14	-14	Submarine Cable Installation	Water Pump	325	Diesel	2	147	12	Water Pump, 325	off			84			Pumps						
147	14	-14	Submarine Cable Installation	Pull In Winch	100	Diesel	1	147	12	Pull In Winch, 100	off			86			Other Construction Equipment						
148	14	-14	Submarine Cable Installation	Dive Compressor	50	Diesel	2	147	12	Dive Compressor, 50	off			87			Air Compressors						
149	14	-14	Submarine Cable Installation	Termination Gemset	50	Diesel	1	147	12	Termination Gemset, 50	off			88			Generator Sets						
150	14	-14	Submarine Cable Installation	Assist Barge, Crane	200	Diesel	1	147	12	Assist Barge, Crane, 200	off			89			Cranes						
151	15	-15	Southern Transition Approach Construction	Onshore Excavator	600	Diesel	1	138	12	Onshore Excavator, 600	off			90			Excavators						
152	15	-15	Southern Transition Approach Construction	Onshore End Loader	250	Diesel	1	138	12	Onshore End Loader, 250	off			91			Tractors/Loaders/Backhoes						
153	15	-15	Southern Transition Approach Construction	Onshore Crane	180	Diesel	1	138	12	Onshore Crane, 180	off			92			Cranes						
154	15	-15	Southern Transition Approach Construction	Crane - 200 Ton	275	Diesel	1	138	6	Crane - 200 Ton, 275	off			93			Cranes						
155	15	-15	Southern Transition Approach Construction	Onshore Vibratory Hammer	300	Diesel	1	138	12	Onshore Vibratory Hammer, 300	off			94			Other Construction Equipment						
156	15	-15	Southern Transition Approach Construction	Air Compressor	50	Diesel	1	138	12	Air Compressor, 50	off			95			Air Compressors						
157	15	-15	Southern Transition Approach Construction	Truck - Dump 10-12 Yd	415	Diesel	4	138	6	Truck - Dump 10-12 Yd, 415	on			96	43	hhdt	Other Construction Equipment	40	2	320	44160	8	Const Vehicle
158	15	-15	Southern Transition Approach Construction	Onshore Dewatering Equip	200	Diesel	2	138	12	Onshore Dewatering Equip, 200	on			96			Other Construction Equipment						
159	16	-16	Substation Getaways	Onshore Trucks	300	Diesel	4	138	12	Onshore Trucks, 300	on			102	44	vendor		60	2	480	66240	8	Const Vehicle
160	16	-16	Substation Getaways	Pickup - 1/2 Ton	395	Gasoline	4	70	2	Pickup - 1/2 Ton, 395	on			45		passenger		40	2	320	22400	8	Automobile
161	16	-16	Substation Getaways	Pickup - 1 Ton	410	Diesel	4	70	2	Pickup - 1 Ton, 410	on			46		passenger		40	2	320	22400	8	Automobile
162	16	-16	Substation Getaways	Welding Truck	395	Diesel	2	70	2	Welding Truck, 395	on			47		vendor		40	2	160	11200	4	Const Vehicle
163	16	-16	Substation Getaways	Generator - 25 Kw	36	Diesel	2	70	10	Generator - 25 Kw, 36	off			97			Generator Sets						
164	16	-16	Substation Getaways	Crane - 35 Ton (Manlift)	250	Diesel	2	70	5	Crane - 35 Ton (Manlift), 250	off			98			Cranes						
165	16	-16	Substation Getaways	Forklift - 10 K Reach	130	Diesel	2	70	4	Forklift - 10 K Reach, 130	off			99			Forklifts						
166	16	-16	Substation Getaways	Forklift - 15,000 lb	130	Diesel	1	70	4	Forklift - 15,000 lb, 130	off			100			Forklifts						
167	16	-16	Substation Getaways	Loader - 4-5 Yd	74	Diesel	2	70	5	Loader - 4-5 Yd, 74	off			101			Rubber Tired Loaders						
168	16	-16	Substation Getaways	Wire Trailer/ Tensioner	175	Diesel	1	70	5	Wire Trailer/ Tensioner, 175	off			102			Other Construction Equipment						
169	16	-16	Substation Getaways	Wire Puller	175	Diesel	1	70	5	Wire Puller, 175	off			103			Other Construction Equipment						
170	16	-16	Substation Getaways	Skid steer loader	74	Diesel	2	70	10	Skid steer loader, 74	off			104			Skid Steer Loaders						
171	16	-16	Substation Getaways	Backhoe - 2X4	68	Diesel	2	70	6	Backhoe - 2X4, 68	off			105									

EquipIndex	Activity Number	Activity Index	Activity Name	Equipment Name	HP	Fuel Type	Quantity	Days Used	Hours Per Day	EquipContact	On-Off	Earth Moving	Off Count	On Count	Earth Moving Count	On Type	CalEEModType	On Distance	Trips Per Day	VMT	Total VMT	Total Trips per day	Automobile?
210	20	20	Commissioning and Testing	Crane- 35 Ton (Manlift)	250	Diesel	2	174	10	Crane- 35 Ton (Manlift)_ 250	off		126				Cranes						
211	21	L-21	Cleanup and Restoration	Pickup - 1 Ton	410	Diesel	4	140	2	Pickup - 1 Ton_ 410	on			62		passenger		40	2	320	44800	8	Automobile
212	21	L-21	Cleanup and Restoration	Motor Grader	250	Diesel	2	140	10	Motor Grader_ 250	off	grading	127		7		Graders						
213	21	L-21	Cleanup and Restoration	Backhoe - 2X4	68	Diesel	2	140	8	Backhoe - 2X4_ 68	off		128				Excavators						
214	21	L-21	Cleanup and Restoration	Truck - Water 4 K	300	Diesel	2	140	10	Truck - Water 4 K_ 300	on			63		vendor		40	2	160	22400	4	Const Vehicle
215	21	L-21	Cleanup and Restoration	Skid steer loader	74	Diesel	1	140	10	Skid steer loader_ 74	off		129				Skid Steer Loaders						
216	21	L-21	Cleanup and Restoration	Excavator	250	Diesel	1	140	10	Excavator_ 250	off		130				Excavators						
217	21	L-21	Cleanup and Restoration	D6 Type Dozer	250	Diesel	1	140	10	D6 Type Dozer_ 250	off	bulldozing	131		8		Rubber Tired Dozers						
218	21	L-21	Cleanup and Restoration	Pickup - 1/2 Ton	395	Gasoline	4	140	2	Pickup - 1/2 Ton_ 395	on			64		passenger		40	2	320	44800	8	Automobile
219	21	L-21	Cleanup and Restoration	Truck - Dump 10-12 Yd	415	Diesel	2	140	10	Truck - Dump 10-12 Yd_ 415	on			65		passenger		40	2	160	22400	4	Const Vehicle
220	1	L-01	Survey	Worker Commute	NA	Gasoline	4	26	NA	Worker Commute_ NA	on			66		passenger		60	2	480	12480	8	Automobile
221	2	L-02	Site Development/Staging Yards	Worker Commute	NA	Gasoline	12	76	NA	Worker Commute_ NA	on			67		passenger		60	2	1440	109440	24	Automobile
222	3	L-03	Below-Grade Construction	Worker Commute	NA	Gasoline	40	152	NA	Worker Commute_ NA	on			68		passenger		60	2	4800	729600	80	Automobile
223	4	L-04	Above-Grade Construction	Worker Commute	NA	Gasoline	30	333	NA	Worker Commute_ NA	on			69		passenger		60	2	3600	1188000	60	Automobile
224	5	P-05	Foundation Installation	Worker Commute	NA	Gasoline	15	40	NA	Worker Commute_ NA	on			70		passenger		60	2	1800	72000	30	Automobile
225	6	P-06	Structure Installation	Worker Commute	NA	Gasoline	15	48	NA	Worker Commute_ NA	on			71		passenger		60	2	1800	86400	30	Automobile
226	7	P-07	Conductor Installation	Worker Commute	NA	Gasoline	30	60	NA	Worker Commute_ NA	on			72		passenger		60	2	3600	216000	60	Automobile
227	8	L-08	Access Road Construction	Worker Commute	NA	Gasoline	12	16	NA	Worker Commute_ NA	on			73		passenger		60	2	1440	23040	24	Automobile
228	9	L-09	Foundation Installation	Worker Commute	NA	Gasoline	12	22	NA	Worker Commute_ NA	on			74		passenger		60	2	1440	31680	24	Automobile
229	10	L-10	Structure Installation	Worker Commute	NA	Gasoline	12	24	NA	Worker Commute_ NA	on			75		passenger		60	2	1440	34560	24	Automobile
230	11	L-11	Conductor Installation	Worker Commute	NA	Gasoline	30	26	NA	Worker Commute_ NA	on			76		passenger		60	2	3600	93600	60	Automobile
231	12	L-12	Transition Structure Foundation Installation	Worker Commute	NA	Gasoline	20	150	NA	Worker Commute_ NA	on			77		passenger		60	2	2400	360000	40	Automobile
232	13	L-13	Transition Structure Installation	Worker Commute	NA	Gasoline	20	25	NA	Worker Commute_ NA	on			78		passenger		60	2	2400	60000	40	Automobile
233	14	L-14	Submarine Cable Installation	Worker Commute	NA	Gasoline	25	147	NA	Worker Commute_ NA	on			79		passenger		60	2	3000	810000	50	Automobile
234	15	L-15	Southern Transition Approach Construction	Worker Commute	NA	Gasoline	25	338	NA	Worker Commute_ NA	on			80		passenger		60	2	3000	414000	50	Automobile
235	16	L-16	Substation Getaways	Worker Commute	NA	Gasoline	20	70	NA	Worker Commute_ NA	on			81		passenger		60	2	2400	168000	40	Automobile
236	17	P-17	Distribution Extension to Substation	Worker Commute	NA	Gasoline	10	51	NA	Worker Commute_ NA	on			82		passenger		60	2	1200	61200	20	Automobile
237	18	L-18	Fiber Extension to Substation	Worker Commute	NA	Gasoline	12	103	NA	Worker Commute_ NA	on			83		passenger		60	2	1440	148320	24	Automobile
238	19	P-19	Vaca Dixon, Tesla, and Pittsburg Substation Upgrades	Worker Commute	NA	Gasoline	15	102	NA	Worker Commute_ NA	on			84		passenger		60	2	1800	183600	30	Automobile
239	20	L-20	Commissioning and Testing	Worker Commute	NA	Gasoline	24	174	NA	Worker Commute_ NA	on			85		passenger		60	2	2880	501120	48	Automobile
240	21	L-21	Cleanup and Restoration	Worker Commute	NA	Gasoline	12	140	NA	Worker Commute_ NA	on			86		passenger		60	2	1440	201600	24	Automobile

Table 16: On-Road Vehicle Distance Assumptions

Component	Equipment	Concat	On-Off	Fuel	On Type	Trip Distance	Paved Percent	Paved Distance	Unpaved Distance
L	Jet Fuel Truck_300	L_Jet Fuel Truck_300	on	Diesel	vendor	60	95	57	3
L	Onshore Trucks_300	L_Onshore Trucks_300	on	Diesel	vendor	60	95	57	3
L	Pickup - 1 Ton_410	L_Pickup - 1 Ton_410	on	Diesel	passenger	40	95	38	2
L	Pickup - 1/2 Ton_395	L_Pickup - 1/2 Ton_395	on	Gasoline	passenger	40	95	38	2
L	Semi Truck_500	L_Semi Truck_500	on	Diesel	hhdt	40	95	38	2
L	Truck - Concrete_425	L_Truck - Concrete_425	on	Diesel	hhdt	60	95	57	3
L	Truck - Dump 10-12 Yd_415	L_Truck - Dump 10-12 Yd_415	on	Diesel	hhdt	40	95	38	2
L	Truck - Water 4 K_300	L_Truck - Water 4 K_300	on	Diesel	vendor	40	95	38	2
L	Welding Truck_395	L_Welding Truck_395	on	Diesel	vendor	40	95	38	2
P	Jet Fuel Truck_300	P_Jet Fuel Truck_300	on	Diesel	vendor	40	95	38	2
P	Onshore Trucks_300	P_Onshore Trucks_300	on	Diesel	vendor	30	90	27	3
P	Pickup - 1 Ton_410	P_Pickup - 1 Ton_410	on	Diesel	passenger	60	95	57	3
P	Pickup - 1/2 Ton_395	P_Pickup - 1/2 Ton_395	on	Gasoline	passenger	40	95	38	2
P	Semi Truck_500	P_Semi Truck_500	on	Diesel	hhdt	40	95	38	2
P	Truck - Concrete_425	P_Truck - Concrete_425	on	Diesel	hhdt	60	95	57	3
P	Truck - Dump 10-12 Yd_415	P_Truck - Dump 10-12 Yd_415	on	Diesel	hhdt	40	95	38	2
P	Truck - Water 4 K_300	P_Truck - Water 4 K_300	on	Diesel	vendor	60	95	57	3
P	Welding Truck_395	P_Welding Truck_395	on	Diesel	vendor	60	95	57	3
L	Worker Commute_NA	L_Worker Commute_NA	on	Gasoline	passenger	60	100	60	0
P	Worker Commute_NA	P_Worker Commute_NA	on	Gasoline	passenger	60	100	60	0

Table 17: Off-Road Uncontrolled Daily Emissions (pounds/day)

Count	Activity Index	Activity Name	Equipment Name	Fuel Type	Quantity	Hours Per Day	CalEEModType	HP	LF	CalEEMod Bin	Tier Bin	Year	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
1	L-02	Site Development/Staging Yards	Loader - 4.5 Yd	Diesel	2	10	Rubber Tired Loaders	230	0.36	6	5	2026	0.63917	4.882129	4.256122	0.017759	0.163929	1922.513	0.077986	0.015597	
2	L-02	Site Development/Staging Yards	Motor Grader	Diesel	2	10	Graders	250	0.41	6	5	2026	0.990114	9.576215	5.408193	0.022025	0.322037	0.296274	2384.912	0.096742	0.019348
3	L-02	Site Development/Staging Yards	Scraper	Diesel	4	10	Scrapers	410	0.36	7	6	2026	3.40254	30.20789	26.71104	0.084772	1.178044	1.0838	9178.141	0.372306	0.074461
4	L-02	Site Development/Staging Yards	Vibratory Roller	Diesel	2	10	Rollers	157	0.38	5	4	2026	0.317294	2.631356	7.657133	0.012818	0.117014	0.107653	1387.27	0.062774	0.011255
5	L-02	Site Development/Staging Yards	Generator - 25 Kw	Diesel	2	10	Generator Sets	36	0.74	2	1	2026	0.396859	3.973124	4.382782	0.00863	0.092954	0.085118	667.5546	0.027079	0.005467
6	L-02	Site Development/Staging Yards	Forklift - 15,000 lb	Diesel	4	6	Forklifts	130	0.2	5	4	2026	0.264524	1.973717	4.345106	0.006702	0.099946	0.091122	725.6289	0.029435	0.005887
7	L-02	Site Development/Staging Yards	844 Loader	Diesel	1	6	Rubber Tired Loaders	417	0.36	7	6	2026	0.37116	2.588289	2.452164	0.00976	0.098508	0.087874	1046.888	0.047466	0.008493
8	L-02	Below-Grade Construction	Excavator	Diesel	2	10	Excavators	108	0.38	5	3	2026	0.266264	1.827497	5.557869	0.008825	0.088026	0.080984	955.237	0.038749	0.00775
9	L-03	Below-Grade Construction	Forklift - 15 K Reach	Diesel	3	8	Forklifts	130	0.2	5	4	2026	0.264524	1.973717	4.345106	0.006702	0.099946	0.091122	725.6289	0.029435	0.005887
10	L-03	Below-Grade Construction	Backhoe - 24K	Diesel	2	6	Excavators	68	0.38	3	2	2026	0.497255	3.656965	2.867659	0.003362	0.378505	0.348224	364.97	0.014805	0.002961
11	L-03	Below-Grade Construction	Excavator - Mini	Diesel	1	5	Excavators	70	0.38	3	2	2026	0.213284	1.568551	1.230001	0.001442	0.162349	0.149361	156.5435	0.00635	0.00127
12	L-03	Below-Grade Construction	Generator - 25 Kw	Diesel	1	10	Generator Sets	36	0.74	2	1	2026	0.19843	1.986562	2.191391	0.004413	0.046477	0.042759	333.7773	0.013539	0.002708
13	L-03	Below-Grade Construction	Loader - 4.5 Yd	Diesel	1	10	Rubber Tired Loaders	230	0.36	6	5	2026	0.63917	4.882129	4.256122	0.017759	0.163929	0.150814	1922.513	0.077986	0.015597
14	L-03	Below-Grade Construction	Pressure Digger - Lo-Drill (T)	Diesel	1	8	Bore/Drill Rigs	275	0.5	6	5	2026	0.282265	2.601523	2.573061	0.011773	0.085421	0.078587	1274.165	0.051686	0.010337
15	L-03	Below-Grade Construction	Excavator	Diesel	1	10	Excavators	275	0.38	6	5	2026	0.299493	2.114678	2.532173	0.011243	0.071631	0.065901	1216.832	0.04936	0.009872
16	L-03	Below-Grade Construction	Trencher	Diesel	1	5	Trenchers	75	0.5	4	3	2026	0.312351	3.08183	2.990568	0.004038	0.191488	0.176169	437.6353	0.017752	0.00355
17	L-03	Below-Grade Construction	Skid steer loader	Diesel	2	10	Skid Steer Loaders	74	0.37	3	2	2026	0.161546	2.181793	3.916933	0.005896	0.062091	0.057124	638.1781	0.025887	0.005177
18	L-03	Below-Grade Construction	Wire Trailer/Tensioner	Diesel	1	5	Other Construction Equipment	175	0.42	6	5	2026	0.165642	1.659343	1.11341	0.00396	0.066025	0.060743	428.804	0.017394	0.003479
19	L-03	Below-Grade Construction	Wire Puller	Diesel	1	5	Other Construction Equipment	175	0.42	6	5	2026	0.165642	1.659343	1.11341	0.00396	0.066025	0.060743	428.804	0.017394	0.003479
20	L-04	Above-Grade Construction	Wire Trailer/Tensioner	Diesel	1	5	Other Construction Equipment	175	0.42	6	5	2026	0.165642	1.659343	1.11341	0.00396	0.066025	0.060743	428.804	0.017394	0.003479
21	L-04	Above-Grade Construction	Wire Puller	Diesel	1	5	Other Construction Equipment	175	0.42	6	5	2026	0.165642	1.659343	1.11341	0.00396	0.066025	0.060743	428.804	0.017394	0.003479
22	L-04	Above-Grade Construction	Crane - 200 Ton	Diesel	1	4	Cranes	275	0.29	6	5	2026	0.175753	1.765645	1.043341	0.003426	0.073449	0.067579	371.0214	0.01505	0.00301
23	L-04	Above-Grade Construction	Generator - 25 Kw	Diesel	2	10	Generator Sets	36	0.74	2	1	2026	0.396859	3.973124	4.382782	0.00863	0.092954	0.085118	667.5546	0.027079	0.005467
24	L-04	Above-Grade Construction	Crane - 35 Ton (Manlift)	Diesel	2	4	Cranes	250	0.29	6	5	2026	0.399439	4.012825	2.371228	0.007786	0.16693	0.153751	843.2305	0.034205	0.006841
25	L-04	Above-Grade Construction	Forklift - 10 K Reach	Diesel	2	4	Forklifts	130	0.2	5	4	2026	0.088175	0.657906	1.448369	0.002234	0.030315	0.030734	241.8763	0.009812	0.001962
26	L-04	Above-Grade Construction	Forklift - 15,000 lb	Diesel	1	4	Forklifts	130	0.2	5	4	2026	0.044087	0.328953	0.724184	0.001117	0.016508	0.015187	120.9381	0.004906	0.000981
27	L-04	Above-Grade Construction	Loader - 4.5 Yd	Diesel	2	5	Rubber Tired Loaders	74	0.36	3	2	2026	1.145721	9.073461	3.714154	0.002839	0.652549	0.612029	310.1138	0.01258	0.002516
28	L-04	Above-Grade Construction	120' Manlift	Diesel	2	4	Aerial Lifts	74	0.31	3	2	2026	0.041555	0.282427	1.27938	0.001974	0.01236	0.011372	213.5724	0.008663	0.001733
29	P-05	Foundation Installation	Pressure Digger - Lo-Drill (T)	Diesel	1	8	Bore/Drill Rigs	275	0.5	6	5	2026	0.282265	2.601523	2.573061	0.011773	0.085421	0.078587	1274.165	0.051686	0.010337
30	P-05	Foundation Installation	Skid steer loader	Diesel	1	10	Skid Steer Loaders	74	0.37	3	2	2026	0.080773	1.090896	1.958466	0.002948	0.031046	0.028562	319.089	0.012944	0.002589
31	P-05	Foundation Installation	Forklift - 10 K Reach	Diesel	2	8	Forklifts	130	0.2	5	4	2026	0.17635	1.315811	2.896737	0.004468	0.060748	0.060748	483.7526	0.019623	0.003925
32	P-05	Foundation Installation	Crane - 35 Ton (Manlift)	Diesel	1	4	Cranes	250	0.29	6	5	2026	0.159776	1.605132	0.948492	0.003114	0.066772	0.06143	337.2922	0.013682	0.002736
33	P-05	Foundation Installation	Loader - 4.5 Yd	Diesel	1	8	Rubber Tired Loaders	230	0.36	6	5	2026	0.255668	1.952852	1.702465	0.007103	0.065571	0.060326	769.0052	0.031194	0.006239
34	P-05	Foundation Installation	Rough Terrain Crane	Diesel	1	2	Cranes	185	0.29	6	5	2026	0.059117	0.593899	0.350942	0.001152	0.024706	0.022729	124.7981	0.005062	0.001012
35	P-05	Foundation Installation	Motor Grader	Diesel	1	10	Graders	250	0.41	6	5	2026	0.495057	4.788108	2.704096	0.011013	0.161019	0.148137	1192.456	0.048371	0.009674
36	P-05	Foundation Installation	D6 Type Dozer	Diesel	1	10	Rubber Tired Dozers	250	0.4	6	5	2026	1.051061	11.20188	7.866908	0.010746	0.496453	0.456737	1165.117	0.047262	0.009452
37	P-05	Foundation Installation	Excavator	Diesel	1	10	Excavators	250	0.38	6	5	2026	0.272267	1.922435	2.301975	0.010221	0.065119	0.05991	1106.211	0.044873	0.008975
38	P-05	Foundation Installation	Vibratory Roller	Diesel	1	10	Rollers	125	0.38	5	4	2026	0.126311	1.047514	3.048293	0.005103	0.046582	0.042856	552.2573	0.022402	0.00448
39	P-06	Structure Installation	Crane - 35 Ton (Manlift)	Diesel	2	10	Cranes	250	0.29	6	5	2026	0.798879	8.025658	4.742458	0.015572	0.338359	0.307151	1686.461	0.06941	0.013682
40	P-06	Structure Installation	Forklift - 15,000 lb	Diesel	1	5	Forklifts	130	0.2	5	4	2026	0.055109	0.411191	0.90523	0.001396	0.009385	0.018984	151.1727	0.006132	0.001283
41	P-06	Structure Installation	Crane - 200 Ton	Diesel	1	10	Cranes	275	0.29	6	5	2026	0.439383	4.414112	2.608352	0.008565	0.183623	0.168933	927.5536	0.037626	0.007255
42	P-06	Structure Installation	844 Loader	Diesel	1	8	Rubber Tired Loaders	417	0.36	7	6	2026	0.49488	3.451053	3.269552	0.012893	0.128673	0.118379	1395.84	0.056621	0.011324
43	P-07	Conductor Installation	Crane - 35 Ton (Manlift)	Diesel	6	10	Cranes	250	0.29	6	5	2026	2.396636	24.07697	14.22737	0.046717	1.001578	0.921452	5059.383	0.205231	0.041046
44	P-07	Conductor Installation	D8 Sag Dozer	Diesel	3	10	Rubber Tired Dozers	200	0.4	6	5	2026	2.522547	26.8845	18.88058	0.02579	1.919487	1.919618	2796.282	0.113429	0.022686
45	P-07	Conductor Installation	Wire Puller	Diesel	1	5	Other Construction Equipment	175	0.42	6	5	2026	0.165642	1.659343	1.11341	0.00396	0.066025	0.060743	428.804	0.017394	0.003479
46	P-07	Conductor Installation	Wire Trailer/Tensioner	Diesel	1	5	Other Construction Equipment	175	0.42	6	5	2026	0.165642	1.659343	1.11341	0.00396	0.066025	0.060743	428.804	0.017394	0.003479
47	L-08	Access Road Construction	Motor Grader	Diesel	1	10	Graders	250	0.41	6	5	2026	0.495057	4.788108	2.704096	0.011013	0.161019	0.148137	1192.456	0.048371	0.009674
48	L-08	Access Road Construction	Skid steer loader	Diesel	1	10	Skid Steer Loaders	74	0.37	3	2	2026	0.080773	1.090896	1.958466	0.002948	0.031046	0.028562	319.089	0.012944	0.002589
49	L-08	Access Road Construction	D6 Type Dozer	Diesel	1	10	Rubber Tired Dozers	250	0.4	6	5	2026	1.051061	11.20188	7.866908	0.010746	0.496453	0.456737	1165.117	0.047262	0.009452
50	L-08	Access Road Construction	Excavator	Diesel	1	10	Excavators	250	0.38	6	5	2026	0.272267	1.922435	2.301975	0.010221	0.065119</				

Count	Activity Index	Activity Name	Equipment Name	Fuel Type	Quantity	Hours Per Day	CalEEModType	HP	LF	CalEEMod Bin	Tier Bin	Year	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
88	L-14	Submarine Cable Installation	Termination Genset	Diesel	1	12	Generator Sets	50	0.74	2	2	2026	0.330716	3.310937	3.652319	0.007192	0.077462	0.071265	556.2955	0.022566	0.004513
89	L-14	Submarine Cable Installation	Assist Barge- Crane	Diesel	1	12	Cranes	200	0.29	6	5	2026	0.383462	3.852316	2.27638	0.007475	0.160253	0.147432	809.5013	0.032837	0.006567
90	L-15	Southern Transition Approach Construction	Onshore Excavator	Diesel	1	12	Excavators	600	0.38	8	7	2026	0.988418	8.569614	7.762158	0.029573	0.303215	0.278958	3201.296	0.129859	0.025972
91	L-15	Southern Transition Approach Construction	Onshore End Loader	Diesel	1	12	Tractors/Loaders/Backhoes	250	0.37	6	5	2026	0.388015	3.122449	2.984535	0.011927	0.122041	0.112277	1291.073	0.052372	0.010474
92	L-15	Southern Transition Approach Construction	Onshore Crane	Diesel	1	12	Cranes	180	0.29	6	5	2026	0.345116	3.467084	2.048742	0.006727	0.144227	0.132689	728.5512	0.029553	0.005911
93	L-15	Southern Transition Approach Construction	Crane - 200 Ton	Diesel	1	6	Cranes	275	0.29	6	5	2026	0.26369	2.648467	1.565011	0.005139	0.110174	0.10136	556.5321	0.022575	0.004515
94	L-15	Southern Transition Approach Construction	Onshore Vibratory Hammer	Diesel	1	12	Other Construction Equipment	300	0.42	7	6	2026	0.495921	4.260493	4.128836	0.016276	0.160944	0.149069	1761.765	0.071465	0.014293
95	L-15	Southern Transition Approach Construction	Air Compressor	Diesel	1	12	Air Compressors	50	0.48	2	2	2026	0.325158	2.314727	3.061692	0.004665	0.062577	0.057571	360.8225	0.014637	0.002927
96	L-15	Southern Transition Approach Construction	Onshore Dewatering Equip	Diesel	2	12	Other Construction Equipment	50	0.42	3	2	2026	1.176081	10.91399	5.26779	0.005388	0.839533	0.772371	580.7643	0.023558	0.004712
97	L-16	Substation Getaways	Generator - 25 Kw	Diesel	2	10	Generator Sets	36	0.74	2	1	2026	0.396859	3.973124	4.382782	0.00863	0.092954	0.085518	667.5546	0.027079	0.005416
98	L-16	Substation Getaways	Crane - 35 Ton (Manlift)	Diesel	2	5	Cranes	250	0.29	6	5	2026	0.399439	4.012829	2.371229	0.007786	0.166993	0.153575	843.2305	0.034205	0.006841
99	L-16	Substation Getaways	Forklift - 10 K Reach	Diesel	2	4	Forklifts	130	0.2	5	4	2026	0.088175	0.657906	1.448369	0.002234	0.030315	0.030374	241.8763	0.009812	0.001962
100	L-16	Substation Getaways	Forklift -15,000 lb	Diesel	1	4	Forklifts	130	0.2	5	4	2026	0.044087	0.328953	0.724184	0.001117	0.016508	0.015187	120.9381	0.004906	0.000981
101	L-16	Substation Getaways	Loader - 4-5 Yd	Diesel	2	5	Rubber Tired Loaders	74	0.36	3	2	2026	1.145721	9.073461	3.714154	0.002839	0.665249	0.612029	310.1138	0.01258	0.002516
102	L-16	Substation Getaways	Wire Trailer/ Tensioner	Diesel	1	5	Other Construction Equipment	175	0.42	6	5	2026	0.165642	1.659343	1.11341	0.00396	0.066025	0.060743	428.804	0.017394	0.003479
103	L-16	Substation Getaways	Wire Puller	Diesel	1	5	Other Construction Equipment	175	0.42	6	5	2026	0.165642	1.659343	1.11341	0.00396	0.066025	0.060743	428.804	0.017394	0.003479
104	L-16	Substation Getaways	Skid steer loader	Diesel	2	10	Skid Steer Loaders	74	0.37	3	2	2026	0.161546	2.181793	3.916933	0.005896	0.062091	0.057124	638.1781	0.025887	0.005177
105	L-16	Substation Getaways	Backhoe - ZX4	Diesel	2	6	Excavators	68	0.38	3	2	2026	0.497255	3.656965	2.867659	0.003362	0.378505	0.348224	364.97	0.014805	0.002961
106	P-17	Distribution Extension to Substation	Wire Trailer/ Tensioner	Diesel	1	5	Other Construction Equipment	175	0.42	6	5	2026	0.165642	1.659343	1.11341	0.00396	0.066025	0.060743	428.804	0.017394	0.003479
107	P-17	Distribution Extension to Substation	Wire Puller	Diesel	1	5	Other Construction Equipment	175	0.42	6	5	2026	0.165642	1.659343	1.11341	0.00396	0.066025	0.060743	428.804	0.017394	0.003479
108	P-17	Distribution Extension to Substation	Crane - 35 Ton (Manlift)	Diesel	2	10	Cranes	250	0.29	6	5	2026	0.798879	8.025658	4.742458	0.015572	0.333859	0.307151	1686.461	0.06841	0.013682
109	P-17	Distribution Extension to Substation	Forklift - 15 K Reach	Diesel	2	6	Forklifts	130	0.2	5	4	2026	0.132262	0.986858	2.172553	0.003351	0.049523	0.045561	362.8144	0.014717	0.002943
110	P-17	Distribution Extension to Substation	Pressure Digger - Lo-Drill	Diesel	1	8	Bore/Drill Rigs	275	0.5	6	5	2026	0.282265	2.601523	2.579061	0.011773	0.085421	0.078587	1274.165	0.051886	0.010337
111	P-17	Distribution Extension to Substation	Skid steer loader	Diesel	2	10	Skid Steer Loaders	74	0.37	3	2	2026	0.161546	2.181793	3.916933	0.005896	0.062091	0.057124	638.1781	0.025887	0.005177
112	P-17	Distribution Extension to Substation	Backhoe - ZX4	Diesel	1	8	Excavators	68	0.38	3	2	2026	0.331504	2.437977	1.911772	0.002241	0.52336	0.232149	343.3133	0.00987	0.001974
113	L-18	Fiber Extension to Substation	Crane - 35 Ton (Manlift)	Diesel	2	10	Cranes	250	0.29	6	5	2026	0.798879	8.025658	4.742458	0.015572	0.333859	0.307151	1686.461	0.06841	0.013682
114	L-18	Fiber Extension to Substation	Forklift - 10 K Reach	Diesel	1	5	Forklifts	130	0.2	5	4	2026	0.055109	0.411191	0.90523	0.001396	0.020635	0.018984	151.1727	0.006132	0.001226
115	L-18	Fiber Extension to Substation	Excavator - Mini	Diesel	2	5	Excavators	70	0.38	3	2	2026	0.426567	3.137103	2.460001	0.002884	0.324697	0.298722	313.087	0.0127	0.00254
116	L-18	Fiber Extension to Substation	Skid steer loader	Diesel	2	10	Skid Steer Loaders	74	0.37	3	2	2026	0.161546	2.181793	3.916933	0.005896	0.062091	0.057124	638.1781	0.025887	0.005177
117	L-18	Fiber Extension to Substation	Trencher	Diesel	1	10	Trenchers	75	0.5	4	3	2026	0.312351	3.08183	2.990568	0.004038	0.191488	0.176169	437.6353	0.017752	0.00355
118	L-18	Fiber Extension to Substation	Wire Trailer/ Tensioner	Diesel	1	5	Other Construction Equipment	175	0.42	6	5	2026	0.165642	1.659343	1.11341	0.00396	0.066025	0.060743	428.804	0.017394	0.003479
119	L-18	Fiber Extension to Substation	Wire Puller	Diesel	1	5	Other Construction Equipment	175	0.42	6	5	2026	0.165642	1.659343	1.11341	0.00396	0.066025	0.060743	428.804	0.017394	0.003479
120	P-19	Vaca Dixon, Tesla, and Pittsburg Substation Upgrades	Crane - 35 Ton (Manlift)	Diesel	2	10	Cranes	250	0.29	6	5	2026	0.798879	8.025658	4.742458	0.015572	0.333859	0.307151	1686.461	0.06841	0.013682
121	P-19	Vaca Dixon, Tesla, and Pittsburg Substation Upgrades	Forklift -15,000 lb	Diesel	1	4	Forklifts	130	0.2	5	4	2026	0.044087	0.328953	0.724184	0.001117	0.016508	0.015187	120.9381	0.004906	0.000981
122	P-19	Vaca Dixon, Tesla, and Pittsburg Substation Upgrades	Manlift - 40'	Diesel	3	10	Aerial Lifts	49	0.31	2	1	2026	0.153184	2.887125	3.089707	0.005448	0.020799	0.019135	589.6267	0.023918	0.004784
123	P-19	Vaca Dixon, Tesla, and Pittsburg Substation Upgrades	120' Manlift	Diesel	2	4	Aerial Lifts	74	0.31	3	2	2026	0.041555	0.628427	1.27938	0.001974	0.01236	0.011372	213.5724	0.008663	0.001733
124	L-20	Commissioning and Testing	Manlift - 40'	Diesel	3	10	Aerial Lifts	49	0.31	2	1	2026	0.153184	2.887125	3.089707	0.005448	0.020799	0.019135	589.6267	0.023918	0.004784
125	L-20	Commissioning and Testing	Deck Generator	Diesel	1	8	Generator Sets	170	0.74	2	4	2026	0.749623	7.50479	8.278589	0.016301	0.17558	0.161533	1260.936	0.051149	0.01023
126	L-20	Commissioning and Testing	Crane - 35 Ton (Manlift)	Diesel	2	10	Cranes	250	0.29	6	5	2026	0.798879	8.025658	4.742458	0.015572	0.333859	0.307151	1686.461	0.06841	0.013682
127	L-21	Cleanup and Restoration	Motor Grader	Diesel	2	10	Graders	250	0.41	6	5	2026	0.990114	9.576215	5.408193	0.022025	0.322037	0.296274	2384.912	0.096742	0.019348
128	L-21	Cleanup and Restoration	Backhoe - ZX4	Diesel	2	8	Excavators	68	0.38	3	2	2026	0.663007	4.875954	3.823545	0.004483	0.504673	0.464299	486.6267	0.01974	0.003948
129	L-21	Cleanup and Restoration	Skid steer loader	Diesel	1	10	Skid Steer Loaders	74	0.37	3	2	2026	0.080773	1.090896	1.958466	0.002948	0.031046	0.028562	319.089	0.012944	0.002580
130	L-21	Cleanup and Restoration	Excavator	Diesel	1	10	Excavators	250	0.38	6	5	2026	0.727267	1.922435	2.301975	0.010221	0.065119	0.058991	1106.211	0.048973	0.008975
131	L-21	Cleanup and Restoration	06 Type Dozer	Diesel	1	10	Rubber Tired Dozers	250	0.4	6	5	2026	1.051061	11.20188	7.866908	0.010746	0.496453	0.456377	1165.117	0.047262	0.009452

Table 18: Off-Road Uncontrolled Emissions (tons)

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
1	L-02	76	0.024288	0.185521	0.161734	0.000675	0.006229	0.005731	73.0555	0.002963	0.000593
2	L-02	76	0.037624	0.363896	0.205511	0.000837	0.012237	0.011258	90.62666	0.003676	0.000735
3	L-02	76	0.129297	1.1479	1.015019	0.003221	0.044766	0.041184	348.7694	0.014148	0.00283
4	L-02	76	0.012057	0.099992	0.290978	0.000487	0.004447	0.004091	52.71627	0.002138	0.000428
5	L-02	76	0.015081	0.150979	0.166546	0.000328	0.003532	0.00325	25.36708	0.001029	0.000206
6	L-02	76	0.010052	0.075001	0.165114	0.000255	0.003764	0.003463	27.5739	0.001119	0.000224
7	L-02	76	0.014104	0.098355	0.093182	0.000367	0.003667	0.003374	39.78145	0.001614	0.000323
8	L-03	152	0.020236	0.13889	0.422398	0.000671	0.00669	0.006155	72.59801	0.002945	0.000589
9	L-03	152	0.020104	0.150002	0.330228	0.000509	0.007527	0.006925	55.14779	0.002237	0.000447
10	L-03	152	0.037791	0.277929	0.217942	0.000256	0.028766	0.026465	27.73772	0.001125	0.000225
11	L-03	152	0.01621	0.11921	0.09348	0.00011	0.012339	0.011351	11.89731	0.000483	9.65E-05
12	L-03	152	0.015081	0.150979	0.166546	0.000328	0.003532	0.00325	25.36708	0.001029	0.000206
13	L-03	152	0.048577	0.371042	0.323468	0.00135	0.012459	0.011462	146.111	0.005927	0.001185
14	L-03	152	0.021452	0.197716	0.195553	0.000895	0.006492	0.005973	96.83652	0.003928	0.000786
15	L-03	152	0.022761	0.160716	0.192445	0.000854	0.005444	0.005008	92.47923	0.003751	0.00075
16	L-03	152	0.023739	0.234219	0.227283	0.000307	0.014553	0.013389	33.26029	0.001349	0.00027
17	L-03	152	0.012278	0.165816	0.297687	0.000448	0.004719	0.004341	48.50153	0.001967	0.000393
18	L-03	152	0.012589	0.12611	0.084619	0.000301	0.005018	0.004616	32.5891	0.001322	0.000264
19	L-03	152	0.012589	0.12611	0.084619	0.000301	0.005018	0.004616	32.5891	0.001322	0.000264
20	L-04	333	0.027579	0.276281	0.185383	0.000659	0.010993	0.010114	71.39586	0.002896	0.000579
21	L-04	333	0.027579	0.276281	0.185383	0.000659	0.010993	0.010114	71.39586	0.002896	0.000579
22	L-04	333	0.029263	0.29398	0.173716	0.00057	0.012229	0.011251	61.77507	0.002506	0.000501
23	L-04	333	0.066077	0.661525	0.729733	0.001437	0.015477	0.014239	111.1478	0.004509	0.000902
24	L-04	333	0.066507	0.668136	0.39481	0.001296	0.027794	0.02557	140.3979	0.005695	0.001139
25	L-04	333	0.014681	0.109541	0.241153	0.000372	0.005497	0.005057	40.2724	0.001634	0.000327
26	L-04	333	0.007341	0.054771	0.120577	0.000186	0.002749	0.002529	20.1362	0.000817	0.000163
27	L-04	333	0.190763	1.510731	0.618407	0.000473	0.110764	0.101903	51.63394	0.002094	0.000419
28	L-04	333	0.006919	0.104633	0.213017	0.000329	0.002058	0.001893	35.5598	0.001442	0.000288
29	P-05	40	0.005645	0.05203	0.051461	0.000235	0.001708	0.001572	25.4833	0.001034	0.000207
30	P-05	40	0.001615	0.021818	0.039169	5.9E-05	0.000621	0.000571	6.381781	0.000259	5.18E-05
31	P-05	40	0.003527	0.026316	0.057935	8.94E-05	0.001321	0.001215	9.675052	0.000392	7.85E-05
32	P-05	40	0.003196	0.032103	0.01897	6.23E-05	0.001335	0.001229	6.745844	0.000274	5.47E-05

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
33	P-05	40	0.005113	0.039057	0.034049	0.000142	0.001311	0.001207	15.3801	0.000624	0.000125
34	P-05	40	0.001182	0.011878	0.007019	2.3E-05	0.000494	0.000455	2.495962	0.000101	2.02E-05
35	P-05	40	0.009901	0.095762	0.054082	0.00022	0.00322	0.002963	23.84912	0.000967	0.000193
36	P-05	40	0.021021	0.224038	0.157338	0.000215	0.009929	0.009135	23.30235	0.000945	0.000189
37	P-05	40	0.005445	0.038449	0.04604	0.000204	0.001302	0.001198	22.12422	0.000897	0.000179
38	P-05	40	0.002526	0.02095	0.060966	0.000102	0.000932	0.000857	11.04515	0.000448	8.96E-05
39	P-06	21	0.008388	0.084269	0.049796	0.000164	0.003506	0.003225	17.70784	0.000718	0.000144
40	P-06	21	0.000579	0.004318	0.009505	1.47E-05	0.000217	0.000199	1.587313	6.44E-05	1.29E-05
41	P-06	21	0.004614	0.046348	0.027388	8.99E-05	0.001928	0.001774	9.739312	0.000395	7.9E-05
42	P-06	21	0.005196	0.036236	0.03433	0.000135	0.001351	0.001243	14.65632	0.000595	0.000119
43	P-07	20	0.023966	0.24077	0.142274	0.000467	0.010016	0.009215	50.59383	0.002052	0.00041
44	P-07	20	0.025225	0.268845	0.188806	0.000258	0.011915	0.010962	27.96282	0.001134	0.000227
45	P-07	20	0.001656	0.016593	0.011134	3.96E-05	0.00066	0.000607	4.28804	0.000174	3.48E-05
46	P-07	20	0.001656	0.016593	0.011134	3.96E-05	0.00066	0.000607	4.28804	0.000174	3.48E-05
47	L-08	16	0.00396	0.038305	0.021633	8.81E-05	0.001288	0.001185	9.539648	0.000387	7.74E-05
48	L-08	16	0.000646	0.008727	0.015668	2.36E-05	0.000248	0.000228	2.552712	0.000104	2.07E-05
49	L-08	16	0.008408	0.089615	0.062935	8.6E-05	0.003972	0.003654	9.32094	0.000378	7.56E-05
50	L-08	16	0.002178	0.015379	0.018416	8.18E-05	0.000521	0.000479	8.849688	0.000359	7.18E-05
51	L-08	16	0	0	0	0	0	0	0	0	0
52	L-09	22	0.003105	0.028617	0.028304	0.00013	0.00094	0.000864	14.01581	0.000569	0.000114
53	L-09	22	0.000889	0.012	0.021543	3.24E-05	0.000342	0.000314	3.509979	0.000142	2.85E-05
54	L-09	22	0.00194	0.014474	0.031864	4.91E-05	0.000726	0.000668	5.321278	0.000216	4.32E-05
55	L-09	22	0.001758	0.017656	0.010433	3.43E-05	0.000734	0.000676	3.710214	0.000151	3.01E-05
56	L-09	22	0.005444	0.037962	0.035965	0.000142	0.001415	0.001302	15.35424	0.000623	0.000125
57	L-09	22	0.00065	0.006533	0.00386	1.27E-05	0.000272	0.00025	1.372779	5.57E-05	1.11E-05
58	L-10	24	0.009587	0.096308	0.056909	0.000187	0.004006	0.003686	20.23753	0.000821	0.000164
59	L-10	24	0.000661	0.004934	0.010863	1.68E-05	0.000248	0.000228	1.814072	7.36E-05	1.47E-05
60	L-10	24	0.005273	0.052969	0.0313	0.000103	0.002203	0.002027	11.13064	0.000452	9.03E-05
61	L-10	24	0.005939	0.041413	0.039235	0.000155	0.001544	0.001421	16.75008	0.000679	0.000136
62	L-11	26	0.031156	0.313001	0.184956	0.000607	0.013021	0.011979	65.77198	0.002668	0.000534
63	L-11	26	0.032793	0.349499	0.245448	0.000335	0.015489	0.01425	36.35167	0.001475	0.000295
64	L-11	26	0.002153	0.021571	0.014474	5.15E-05	0.000858	0.00079	5.574452	0.000226	4.52E-05
65	L-11	26	0.002153	0.021571	0.014474	5.15E-05	0.000858	0.00079	5.574452	0.000226	4.52E-05

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
66	L-11	26	0.009745	0.097562	0.107622	0.000212	0.002283	0.0021	16.39217	0.000665	0.000133
67	L-11	26	0.004266	0.037668	0.060569	9.38E-05	0.001947	0.001791	10.15245	0.000412	8.24E-05
68	L-12	150	0.003076	0.027164	0.04368	6.76E-05	0.001404	0.001292	7.321479	0.000297	5.94E-05
69	L-12	150	0.006389	0.064003	0.042946	0.000153	0.002547	0.002343	16.53958	0.000671	0.000134
70	L-12	150	0.047879	0.440351	0.50282	0.000944	0.01083	0.009964	73.02071	0.002962	0.000592
71	L-12	150	0.325755	3.261273	3.597534	0.007084	0.0763	0.070196	547.9511	0.022227	0.004445
72	L-12	150	0.042993	0.430422	0.474801	0.000935	0.01007	0.009264	72.31842	0.002934	0.000587
73	L-12	150	0.016258	0.115736	0.153085	0.000233	0.003129	0.002879	18.04113	0.000732	0.000146
74	L-12	150	0.057688	0.544777	0.414529	0.001806	0.018578	0.017092	195.4924	0.00793	0.001586
75	L-12	150	0.017256	0.173354	0.102437	0.000336	0.007211	0.006634	36.42756	0.001478	0.000296
76	L-12	150	0.003458	0.026564	0.033432	5.47E-05	0.000711	0.000654	4.228419	0.000172	3.43E-05
77	L-13	25	0.003994	0.040128	0.023712	7.79E-05	0.001669	0.001536	8.432305	0.000342	6.84E-05
78	L-13	25	0.00937	0.09381	0.103482	0.000204	0.002195	0.002019	15.76171	0.000639	0.000128
79	L-13	25	0.00271	0.019289	0.025514	3.89E-05	0.000521	0.00048	3.006854	0.000122	2.44E-05
80	L-13	25	0.054293	0.543545	0.599589	0.001181	0.012717	0.011699	91.32518	0.003705	0.000741
81	L-14	147	0.012683	0.127415	0.075291	0.000247	0.0053	0.004876	26.77426	0.001086	0.000217
82	L-14	147	0.024117	0.212966	0.342449	0.00053	0.011006	0.010126	57.4004	0.002328	0.000466
83	L-14	147	0.072923	0.730062	0.805336	0.001586	0.01708	0.015714	122.6632	0.004976	0.000995
84	L-14	147	0.018088	0.159725	0.256837	0.000398	0.008255	0.007594	43.0503	0.001746	0.000349
85	L-14	147	0.348557	3.205755	3.66053	0.006872	0.078845	0.072537	531.5908	0.021564	0.004313
86	L-14	147	0.018088	0.159725	0.256837	0.000398	0.008255	0.007594	43.0503	0.001746	0.000349
87	L-14	147	0.047798	0.340265	0.450069	0.000686	0.009199	0.008463	53.04091	0.002152	0.00043
88	L-14	147	0.024308	0.243354	0.268445	0.000529	0.005693	0.005238	40.88772	0.001659	0.000332
89	L-14	147	0.028184	0.283145	0.167314	0.000549	0.011779	0.010836	59.49835	0.002414	0.000483
90	L-15	138	0.068201	0.591303	0.535589	0.002041	0.020922	0.019248	220.8894	0.00896	0.001792
91	L-15	138	0.026773	0.215449	0.205933	0.000823	0.008421	0.007747	89.08404	0.003614	0.000723
92	L-15	138	0.023813	0.239229	0.141363	0.000464	0.009952	0.009156	50.27003	0.002039	0.000408
93	L-15	138	0.01819	0.182744	0.107986	0.000355	0.007602	0.006994	38.40072	0.001558	0.000312
94	L-15	138	0.034219	0.293974	0.28489	0.001123	0.011105	0.010217	121.5618	0.004931	0.000986
95	L-15	138	0.022436	0.159716	0.211257	0.000322	0.004318	0.003972	24.89675	0.00101	0.000202
96	L-15	138	0.08805	0.753065	0.363478	0.000368	0.057928	0.053294	40.07274	0.001626	0.000325
97	L-16	70	0.01389	0.139059	0.153397	0.000302	0.003253	0.002993	23.36441	0.000948	0.00019
98	L-16	70	0.01398	0.140449	0.082993	0.000273	0.005843	0.005375	29.51307	0.001197	0.000239

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
99	L-16	70	0.003086	0.023027	0.050693	7.82E-05	0.001156	0.001063	8.46567	0.000343	6.87E-05
100	L-16	70	0.001543	0.011513	0.025346	3.91E-05	0.000578	0.000532	4.232835	0.000172	3.43E-05
101	L-16	70	0.0401	0.317571	0.129995	9.94E-05	0.023284	0.021421	10.85398	0.00044	8.81E-05
102	L-16	70	0.005797	0.058077	0.038969	0.000139	0.002311	0.002126	15.00814	0.000609	0.000122
103	L-16	70	0.005797	0.058077	0.038969	0.000139	0.002311	0.002126	15.00814	0.000609	0.000122
104	L-16	70	0.005654	0.076363	0.137093	0.000206	0.002173	0.001999	22.33623	0.000906	0.000181
105	L-16	70	0.017404	0.127994	0.100368	0.000118	0.013248	0.012188	12.77395	0.000518	0.000104
106	P-17	51	0.004224	0.042313	0.028392	0.000101	0.001684	0.001549	10.9345	0.000444	8.87E-05
107	P-17	51	0.004224	0.042313	0.028392	0.000101	0.001684	0.001549	10.9345	0.000444	8.87E-05
108	P-17	51	0.020371	0.204654	0.120933	0.000397	0.008513	0.007832	43.00476	0.001744	0.000349
109	P-17	51	0.003373	0.025165	0.0554	8.55E-05	0.001263	0.001162	9.251768	0.000375	7.51E-05
110	P-17	51	0.007198	0.066339	0.065613	0.0003	0.002178	0.002004	32.4912	0.001318	0.000264
111	P-17	51	0.004119	0.055636	0.099882	0.00015	0.001583	0.001457	16.27354	0.00066	0.000132
112	P-17	51	0.008453	0.062168	0.04875	5.72E-05	0.006435	0.00592	6.20449	0.000252	5.03E-05
113	L-18	103	0.041142	0.413321	0.244237	0.000802	0.017194	0.015818	86.85274	0.003523	0.000705
114	L-18	103	0.002838	0.021176	0.046619	7.19E-05	0.001063	0.000978	7.785393	0.000316	6.32E-05
115	L-18	103	0.021968	0.161561	0.12669	0.000149	0.016722	0.015384	16.12398	0.000654	0.000131
116	L-18	103	0.00832	0.112362	0.201722	0.000304	0.003198	0.002942	32.86617	0.001333	0.000267
117	L-18	103	0.016086	0.158714	0.154014	0.000208	0.009862	0.009073	22.53822	0.000914	0.000183
118	L-18	103	0.008531	0.085456	0.057341	0.000204	0.0034	0.003128	22.08341	0.000896	0.000179
119	L-18	103	0.008531	0.085456	0.057341	0.000204	0.0034	0.003128	22.08341	0.000896	0.000179
120	P-19	102	0.040743	0.409309	0.241865	0.000794	0.017027	0.015665	86.00951	0.003489	0.000698
121	P-19	102	0.002248	0.016777	0.036933	5.7E-05	0.000842	0.000775	6.167845	0.00025	5E-05
122	P-19	102	0.007812	0.147243	0.157575	0.000278	0.001061	0.000976	30.07096	0.00122	0.000244
123	P-19	102	0.002119	0.03205	0.065248	0.000101	0.00063	0.00058	10.89219	0.000442	8.84E-05
124	L-20	174	0.013327	0.25118	0.268805	0.000474	0.00181	0.001665	51.29752	0.002081	0.000416
125	L-20	174	0.065217	0.652917	0.720237	0.001418	0.015275	0.014053	109.7015	0.00445	0.00089
126	L-20	174	0.069502	0.698232	0.412594	0.001355	0.029046	0.026722	146.7221	0.005952	0.00119
127	L-21	140	0.069308	0.670335	0.378573	0.001542	0.022543	0.020739	166.9438	0.006772	0.001354
128	L-21	140	0.046411	0.341317	0.267648	0.000314	0.035327	0.032501	34.06387	0.001382	0.000276
129	L-21	140	0.005654	0.076363	0.137093	0.000206	0.002173	0.001999	22.33623	0.000906	0.000181
130	L-21	140	0.019059	0.13457	0.161138	0.000715	0.004558	0.004194	77.43477	0.003141	0.000628
131	L-21	140	0.073574	0.784131	0.550684	0.000752	0.034752	0.031972	81.55822	0.003308	0.000662

Table 19: Off-Road Controlled Daily Emissions (pounds/day)

Count	Activity Index	Activity Name	Equipment Name	Fuel Type	Quantity	Hours Per Day	CA/EEModType	HP	LF	CA/EEMod Bin	Tier Bin Name	Year	ROG	NOX	CO	SO2	PM10	PM2.5	1922	CH4	N2O
1	L-02	Site Development/Staging Yards	Loader - 4-5 Yd	Diesel	2	10	Rubber Tired Loaders	230	0.36	0.182543	0.949221	2026	0.182543	0.949221	0.492212	0.017759	0.036509	0.036509	1922.513	0.077986	0.015197
2	L-02	Site Development/Staging Yards	Motor Grader	Diesel	2	10	Graders	250	0.41	0.225974	1.175062	2026	0.225974	1.175062	1.175062	0.020225	0.045195	0.045195	2384.912	0.096742	0.019348
3	L-02	Site Development/Staging Yards	Scraper	Diesel	4	10	Scrapers	410	0.48	0.867738	4.12224	2026	0.867738	4.12224	4.12224	0.084772	0.173548	0.173548	9178.141	0.373206	0.074461
4	L-02	Site Development/Staging Yards	Vibratory Roller	Diesel	2	10	Rollers	157	0.38	0.132528	0.683944	2026	0.132528	0.683944	0.733045	0.012818	0.028306	0.028306	1387.27	0.056274	0.011255
5	L-02	Site Development/Staging Yards	Generator - 25 Kw	Diesel	2	10	Generator Sets	36	0.74	0.396859	3.97124	2026	0.396859	3.97124	4.382782	0.008683	0.029540	0.029540	307.598	0.027079	0.005416
6	L-02	Site Development/Staging Yards	Forklift - 15,000 lb	Diesel	4	6	Forklifts	130	0.2	0.068784	0.357678	2026	0.068784	0.357678	0.590027	0.006702	0.013757	0.013757	725.6289	0.029435	0.005887
7	L-02	Site Development/Staging Yards	844 Loader	Diesel	4	6	Rubber Tired Loaders	417	0.36	0.099287	0.516294	2026	0.099287	0.516294	0.516294	0.00967	0.019857	0.019857	1046.88	0.042466	0.008493
8	L-03	Below-Grade Construction	Excavator	Diesel	2	10	Excavators	108	0.38	0.090478	0.470484	2026	0.090478	0.470484	0.699534	0.008825	0.018096	0.018096	955.237	0.038749	0.00775
9	L-03	Below-Grade Construction	Forklift - 15 K Reach	Diesel	3	8	Forklifts	130	0.2	0.068784	0.357678	2026	0.068784	0.357678	0.590027	0.006702	0.013757	0.013757	725.6289	0.029435	0.005887
10	L-03	Below-Grade Construction	Backhoe - 2X4	Diesel	2	6	Excavators	68	0.38	0.497255	3.659695	2026	0.497255	3.659695	2.867659	0.003362	0.037805	0.037805	364.97	0.014805	0.002961
11	L-03	Below-Grade Construction	Excavator - Mini	Diesel	1	5	Excavators	70	0.38	0.213284	1.568551	2026	0.213284	1.568551	1.230001	0.001442	0.0162349	0.0162349	156.5435	0.00635	0.00127
12	L-03	Below-Grade Construction	Generator - 25 Kw	Diesel	1	10	Generator Sets	36	0.74	0.19843	1.986562	2026	0.19843	1.986562	2.191391	0.004315	0.046477	0.046477	333.7773	0.013339	0.002708
13	L-03	Below-Grade Construction	Loader - 4-5 Yd	Diesel	2	10	Rubber Tired Loaders	230	0.36	0.182543	0.949221	2026	0.182543	0.949221	0.492212	0.017759	0.036509	0.036509	1922.513	0.077986	0.015197
14	L-03	Below-Grade Construction	Pressure Digger - Lo-Drill (T)	Diesel	1	8	Bore/Drill Rigs	275	0.5	0.121254	0.630521	2026	0.121254	0.630521	0.305213	0.017773	0.024251	0.024251	1274.165	0.051686	0.010337
15	L-03	Below-Grade Construction	Excavator	Diesel	1	10	Excavators	275	0.38	0.115191	0.598995	2026	0.115191	0.598995	0.598995	0.011243	0.023038	0.023038	1216.832	0.04936	0.009872
16	L-03	Below-Grade Construction	Trencher	Diesel	2	5	Trenchers	75	0.5	0.312351	3.08183	2026	0.312351	3.08183	2.990568	0.004088	0.194488	0.194488	457.6353	0.071752	0.00355
17	L-03	Below-Grade Construction	Skid Steer loader	Diesel	2	10	Skid Steer Loaders	74	0.37	0.161546	2.187793	2026	0.161546	2.187793	3.916933	0.005896	0.063091	0.063091	638.1781	0.017587	0.005177
18	L-03	Below-Grade Construction	Wire Trailer/Tensioner	Diesel	1	5	Other Construction Equipment	175	0.42	0.04051	0.210651	2026	0.04051	0.210651	2.106514	0.00396	0.008102	0.008102	428.804	0.017394	0.003479
19	L-03	Below-Grade Construction	Wire Puller	Diesel	1	5	Other Construction Equipment	175	0.42	0.04051	0.210651	2026	0.04051	0.210651	2.106514	0.00396	0.008102	0.008102	428.804	0.017394	0.003479
20	L-04	Above-Grade Construction	Wire Trailer/Tensioner	Diesel	1	5	Other Construction Equipment	175	0.42	0.04051	0.210651	2026	0.04051	0.210651	2.106514	0.00396	0.008102	0.008102	428.804	0.017394	0.003479
21	L-04	Above-Grade Construction	Wire Puller	Diesel	1	5	Other Construction Equipment	175	0.42	0.04051	0.210651	2026	0.04051	0.210651	2.106514	0.00396	0.008102	0.008102	428.804	0.017394	0.003479
22	L-04	Above-Grade Construction	Crane - 200 Ton	Diesel	1	4	Cranes	275	0.29	0.035164	0.182851	2026	0.035164	0.182851	1.828512	0.003426	0.007033	0.007033	371.0214	0.01505	0.00301
23	L-04	Above-Grade Construction	Generator - 25 Kw	Diesel	2	10	Generator Sets	36	0.74	0.396859	3.97124	2026	0.396859	3.97124	4.382782	0.008683	0.029540	0.029540	307.598	0.027079	0.005416
24	L-04	Above-Grade Construction	Crane - 35 Ton (Manlift)	Diesel	2	5	Cranes	250	0.29	0.079917	0.415571	2026	0.079917	0.415571	1.155709	0.007786	0.015983	0.015983	843.2305	0.034205	0.006841
25	L-04	Above-Grade Construction	Forklift - 10 K Reach	Diesel	2	4	Forklifts	130	0.2	0.022928	0.119226	2026	0.022928	0.119226	1.696676	0.004586	0.004586	0.004586	241.8763	0.009821	0.001962
26	L-04	Above-Grade Construction	Forklift - 15,000 lb	Diesel	1	4	Forklifts	130	0.2	0.011464	0.059613	2026	0.011464	0.059613	0.848338	0.001117	0.002293	0.002293	120.9381	0.004906	0.000881
27	L-04	Above-Grade Construction	Loader - 4-5 Yd	Diesel	2	5	Rubber Tired Loaders	74	0.36	0.145721	0.973461	2026	0.145721	0.973461	3.714154	0.002839	0.065249	0.065249	310.1138	0.012516	0.002516
28	L-04	Above-Grade Construction	120' Manlift	Diesel	2	4	Aerial Lifts	74	0.31	0.041555	0.28427	2026	0.041555	0.28427	1.27938	0.001974	0.01236	0.01236	213.5724	0.008663	0.001733
29	P-05	Foundation Installation	Pressure Digger - Lo-Drill (T)	Diesel	1	8	Bore/Drill Rigs	275	0.5	0.121254	0.630521	2026	0.121254	0.630521	0.305213	0.017773	0.024251	0.024251	1274.165	0.051686	0.010337
30	P-05	Foundation Installation	Skid Steer loader	Diesel	1	10	Skid Steer Loaders	74	0.37	0.161546	2.187793	2026	0.161546	2.187793	3.916933	0.005896	0.063091	0.063091	638.1781	0.017587	0.005177
31	P-05	Foundation Installation	Forklift - 10 K Reach	Diesel	1	8	Forklifts	130	0.2	0.048586	0.238452	2026	0.048586	0.238452	3.293351	0.004468	0.009171	0.009171	483.7526	0.019623	0.003925
32	P-05	Foundation Installation	Crane - 35 Ton (Manlift)	Diesel	1	4	Cranes	250	0.29	0.031967	0.166228	2026	0.031967	0.166228	1.662283	0.003114	0.006393	0.006393	337.2922	0.013682	0.002736
33	P-05	Foundation Installation	Loader - 4-5 Yd	Diesel	1	8	Rubber Tired Loaders	230	0.36	0.073017	0.379688	2026	0.073017	0.379688	3.796885	0.007103	0.014603	0.014603	769.0052	0.031194	0.006239
34	P-05	Foundation Installation	Rough Terrain Crane	Diesel	1	2	Cranes	185	0.29	0.011828	0.061504	2026	0.011828	0.061504	0.615045	0.001152	0.002366	0.002366	124.7981	0.009016	0.001012
35	P-05	Foundation Installation	Motor Grader	Diesel	1	10	Graders	250	0.41	0.112987	0.587531	2026	0.112987	0.587531	1.587531	0.011013	0.022597	0.022597	1192.456	0.048371	0.009674
36	P-05	Foundation Installation	D6 Type Dozer	Diesel	1	10	Rubber Tired Dozers	250	0.4	0.110231	0.573201	2026	0.110231	0.573201	0.732012	0.010746	0.022046	0.022046	1165.117	0.047262	0.009452
37	P-05	Foundation Installation	Excavator	Diesel	1	10	Excavators	250	0.38	0.104719	0.545441	2026	0.104719	0.545441	5.445411	0.010221	0.020944	0.020944	1106.211	0.044873	0.008975
38	P-05	Foundation Installation	Vibratory Roller	Diesel	1	10	Rollers	125	0.38	0.05236	0.272271	2026	0.05236	0.272271	3.87462	0.005123	0.010472	0.010472	552.2573	0.024202	0.00448
39	P-06	Structure Installation	Crane - 35 Ton (Manlift)	Diesel	2	10	Cranes	250	0.29	0.159835	0.831142	2026	0.159835	0.831142	8.311417	0.015572	0.031967	0.031967	1686.461	0.06841	0.013682
40	P-06	Structure Installation	Forklift - 15,000 lb	Diesel	1	5	Forklifts	130	0.2	0.01433	0.074516	2026	0.01433	0.074516	1.060422	0.001396	0.002866	0.002866	151.1727	0.006321	0.001226
41	P-06	Structure Installation	Crane - 200 Ton	Diesel	1	10	Cranes	275	0.29	0.087909	0.457128	2026	0.087909	0.457128	4.571279	0.008565	0.017582	0.017582	927.5536	0.037626	0.007525
42	P-06	Structure Installation	844 Loader	Diesel	1	8	Rubber Tired Loaders	417	0.36	0.132383	0.688392	2026	0.132383	0.688392	6.883917	0.012893	0.026477	0.026477	1395.84	0.056621	0.011324
43	P-07	Conductor Installation	Crane - 35 Ton (Manlift)	Diesel	6	10	Cranes	250	0.29	0.079917	0.415571	2026	0.079917	0.415571	1.155709	0.007786	0.015983	0.015983	843.2305	0.034205	0.006841
44	P-07	Conductor Installation	D8 Sag Dozer	Diesel	3	10	Rubber Tired Dozers	200	0.4	0.048586	0.238452	2026	0.048586	0.238452	3.293351	0.004468	0.009171	0.009171	483.7526	0.019623	0.003925
45	P-07	Conductor Installation	Wire Puller	Diesel	1	5	Other Construction Equipment	175	0.42	0.04051	0.210651	2026	0.04051	0.210651	2.106514	0.00396	0.008102	0.008102	428.804	0.017394	0.003479
46	P-07	Conductor Installation	Wire Trailer/Tensioner	Diesel	1	5	Other Construction Equipment	175	0.42	0.04051	0.210651	2026	0.04051	0.210651	2.106514	0.00396	0.008102	0.008102	428.804	0.017394	0.003479
47	L-08	Access Road Construction	Motor Grader	Diesel	1	10	Graders	250	0.41	0.112987	0.587531	2026	0.112987	0.587531	1.587531	0.011013	0.022597	0.022597	1192.456	0.048371	0.009674

Count	Activity Index	Activity Name	Equipment Name	Fuel Type	Quantity	Hours Per Day	CAIEEModType	HP	LF	CAIEEMod Bin	Tier Bin Name	Year	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
90	L-15	Southern Transition Approach Construction	Onshore Excavator	Diesel	1	12	Excavators	600	0.38		8 Tier 4 Final_7	2026	0.301592	1.568278	15.68278	0.029573	0.060318	0.060318	3201.296	0.129859	0.025972
91	L-15	Southern Transition Approach Construction	Onshore End Loader	Diesel	1	12	Tractors/Loaders/Backhoes	250	0.37		6 Tier 4 Final_5	2026	0.122356	0.636253	6.362533	0.019271	0.024471	0.024471	1291.073	0.052372	0.010474
92	L-15	Southern Transition Approach Construction	Onshore Crane	Diesel	1	12	Cranes	180	0.29		6 Tier 4 Final_5	2026	0.069049	0.359053	3.590532	0.006727	0.01381	0.01381	728.5512	0.029553	0.005911
93	L-15	Southern Transition Approach Construction	Crane - 200 ton	Diesel	1	6	Cranes	275	0.29		6 Tier 4 Final_5	2026	0.052746	0.274277	2.742768	0.005139	0.010549	0.010549	556.5321	0.027575	0.004515
94	L-15	Southern Transition Approach Construction	Onshore Vibratory Hammer	Diesel	1	12	Other Construction Equipment	300	0.42		7 Tier 4 Final_6	2026	0.166669	0.86668	8.666802	0.016276	0.033334	0.033334	1761.765	0.071465	0.014293
95	L-15	Southern Transition Approach Construction	Air Compressor	Diesel	1	12	Air Compressors	50	0.48		2 Tier 4 Final_2	2026	0.325158	2.314727	3.061693	0.004665	0.063577	0.057671	360.8225	0.014637	0.002927
96	L-15	Southern Transition Approach Construction	Onshore Dewatering Equip	Diesel	1	12	Other Construction Equipment	50	0.42		2 Tier 4 Final_2	2026	1.276081	10.91399	5.26779	0.005338	0.839523	0.772371	580.7643	0.023568	0.004712
97	L-16	Substation Getaways	Generator - 25 Kw	Diesel	2	10	Generator Sets	36	0.74		2 Tier 4 Final_1	2026	0.396859	3.973124	4.38278	0.00863	0.092954	0.085518	667.5546	0.027079	0.005416
98	L-16	Substation Getaways	Crane - 35 Ton (Manlift)	Diesel	2	5	Cranes	250	0.29		6 Tier 4 Final_5	2026	0.079917	0.415571	4.155709	0.007786	0.015983	0.015983	843.2305	0.034205	0.006841
99	L-16	Substation Getaways	Forklift - 10 K Reach	Diesel	2	4	Forklifts	130	0.2		5 Tier 4 Final_4	2026	0.022928	0.119226	1.696676	0.002234	0.004586	0.004586	241.8763	0.009812	0.001962
100	L-16	Substation Getaways	Forklift -15,000 lb	Diesel	1	4	Forklifts	130	0.2		5 Tier 4 Final_4	2026	0.011464	0.059613	0.848338	0.001117	0.002293	0.002293	120.9381	0.004906	0.000981
101	L-16	Substation Getaways	Loader - 4-5 Yd	Diesel	2	5	Rubber Tired Loaders	74	0.36		3 Tier 4 Final_2	2026	1.145721	9.073461	3.714154	0.002839	0.665249	0.612029	310.1138	0.01258	0.002516
102	L-16	Substation Getaways	Wire Trailer/ Tensioner	Diesel	1	5	Other Construction Equipment	175	0.42		6 Tier 4 Final_5	2026	0.04051	0.210651	2.106514	0.00396	0.008102	0.008102	428.804	0.017394	0.003479
103	L-16	Substation Getaways	Wire Puller	Diesel	1	5	Other Construction Equipment	175	0.42		6 Tier 4 Final_5	2026	0.04051	0.210651	2.106514	0.00396	0.008102	0.008102	428.804	0.017394	0.003479
104	L-16	Substation Getaways	Skid steer loader	Diesel	2	10	Skid Steer Loaders	74	0.37		3 Tier 4 Final_2	2026	0.161546	2.181793	3.916933	0.005896	0.062091	0.057124	638.1781	0.025887	0.005177
105	L-16	Substation Getaways	Backhoe - 2X4	Diesel	2	6	Excavators	68	0.38		3 Tier 4 Final_2	2026	0.497255	3.656965	2.867659	0.003362	0.378055	0.348224	364.97	0.014805	0.002961
106	P-17	Distribution Extension to Substation	Wire Trailer/ Tensioner	Diesel	1	5	Other Construction Equipment	175	0.42		6 Tier 4 Final_5	2026	0.04051	0.210651	2.106514	0.00396	0.008102	0.008102	428.804	0.017394	0.003479
107	P-17	Distribution Extension to Substation	Wire Puller	Diesel	1	5	Other Construction Equipment	175	0.42		6 Tier 4 Final_5	2026	0.04051	0.210651	2.106514	0.00396	0.008102	0.008102	428.804	0.017394	0.003479
108	P-17	Distribution Extension to Substation	Crane - 35 Ton (Manlift)	Diesel	2	10	Cranes	250	0.29		6 Tier 4 Final_5	2026	0.159835	0.831142	8.311417	0.015572	0.031967	0.031967	1686.461	0.06841	0.013682
109	P-17	Distribution Extension to Substation	Forklift - 15 K Reach	Diesel	2	6	Forklifts	130	0.2		5 Tier 4 Final_4	2026	0.034392	0.178839	2.545013	0.003351	0.006878	0.006878	362.8144	0.014717	0.002943
110	P-17	Distribution Extension to Substation	Pressure Digger - Lo-Drill (T)	Diesel	1	8	Bore/Drill Rigs	275	0.5		6 Tier 4 Final_5	2026	0.121254	0.630521	6.305213	0.011773	0.024251	0.024251	1274.165	0.051686	0.010337
111	P-17	Distribution Extension to Substation	Skid steer loader	Diesel	2	10	Skid Steer Loaders	74	0.37		3 Tier 4 Final_2	2026	0.161546	2.181793	3.916933	0.005896	0.062091	0.057124	638.1781	0.025887	0.005177
112	P-17	Distribution Extension to Substation	Backhoe - 2X4	Diesel	1	8	Excavators	68	0.38		3 Tier 4 Final_2	2026	0.331504	2.437977	1.911772	0.002241	0.252336	0.232149	243.3133	0.009871	0.001974
113	L-18	Fiber Extension to Substation	Crane - 35 Ton (Manlift)	Diesel	2	10	Cranes	250	0.29		6 Tier 4 Final_5	2026	0.159835	0.831142	8.311417	0.015572	0.031967	0.031967	1686.461	0.06841	0.013682
114	L-18	Fiber Extension to Substation	Forklift - 10 K Reach	Diesel	1	5	Forklifts	130	0.2		5 Tier 4 Final_4	2026	0.01433	0.074516	1.060422	0.001396	0.002866	0.002866	151.1727	0.006132	0.001226
115	L-18	Fiber Extension to Substation	Excavator - Mini	Diesel	2	5	Excavators	70	0.38		6 Tier 4 Final_2	2026	0.426567	3.137103	2.460001	0.002884	0.324697	0.298722	313.087	0.0127	0.00254
116	L-18	Fiber Extension to Substation	Skid steer loader	Diesel	2	10	Skid Steer Loaders	74	0.37		3 Tier 4 Final_2	2026	0.161546	2.181793	3.916933	0.005896	0.062091	0.057124	638.1781	0.025887	0.005177
117	L-18	Fiber Extension to Substation	Trencher	Diesel	1	10	Trenchers	75	0.5		4 Tier 4 Final_3	2026	0.312351	3.08183	2.990568	0.004038	0.191488	0.176169	437.6353	0.017752	0.00355
118	L-18	Fiber Extension to Substation	Wire Trailer/ Tensioner	Diesel	1	5	Other Construction Equipment	175	0.42		6 Tier 4 Final_5	2026	0.04051	0.210651	2.106514	0.00396	0.008102	0.008102	428.804	0.017394	0.003479
119	L-18	Fiber Extension to Substation	Wire Puller	Diesel	1	5	Other Construction Equipment	175	0.42		6 Tier 4 Final_5	2026	0.04051	0.210651	2.106514	0.00396	0.008102	0.008102	428.804	0.017394	0.003479
120	P-19	Vaca Dixon, Tesla, and Pittsburg Substation Upgrades	Crane - 35 Ton (Manlift)	Diesel	2	10	Cranes	250	0.29		6 Tier 4 Final_5	2026	0.159835	0.831142	8.311417	0.015572	0.031967	0.031967	1686.461	0.06841	0.013682
121	P-19	Vaca Dixon, Tesla, and Pittsburg Substation Upgrades	Forklift -15,000 lb	Diesel	1	4	Forklifts	130	0.2		5 Tier 4 Final_4	2026	0.011464	0.059613	0.848338	0.001117	0.002293	0.002293	120.9381	0.004906	0.000981
122	P-19	Vaca Dixon, Tesla, and Pittsburg Substation Upgrades	Manlift - 40'	Diesel	3	10	Aerial Lifts	49	0.31		2 Tier 4 Final_1	2026	0.153184	2.887125	3.089707	0.005448	0.020799	0.019135	589.6267	0.023918	0.004784
123	P-19	Vaca Dixon, Tesla, and Pittsburg Substation Upgrades	120' Manlift	Diesel	2	4	Aerial Lifts	74	0.31		3 Tier 4 Final_2	2026	0.041555	0.628427	1.27938	0.001974	0.01236	0.011372	213.5724	0.008663	0.001733
124	L-20	Commissioning and Testing	Manlift - 40'	Diesel	3	10	Aerial Lifts	49	0.31		2 Tier 4 Final_1	2026	0.153184	2.887125	3.089707	0.005448	0.020799	0.019135	589.6267	0.023918	0.004784
125	L-20	Commissioning and Testing	Deck Generator	Diesel	1	8	Generator Sets	170	0.74		2 Tier 4 Final_4	2026	0.110936	0.57687	8.2093	0.016301	0.022187	0.022187	1260.936	0.051149	0.01023
126	L-20	Commissioning and Testing	Crane - 35 Ton (Manlift)	Diesel	2	10	Cranes	250	0.29		6 Tier 4 Final_5	2026	0.159835	0.831142	8.311417	0.015572	0.031967	0.031967	1686.461	0.06841	0.013682
127	L-21	Cleanup and Restoration	Motor Grader	Diesel	2	10	Graders	250	0.41		6 Tier 4 Final_5	2026	0.225974	1.175062	11.75062	0.022025	0.045195	0.045195	2384.912	0.096742	0.019348
128	L-21	Cleanup and Restoration	Backhoe - 2X4	Diesel	2	8	Excavators	68	0.38		3 Tier 4 Final_2	2026	0.663007	4.875954	3.823545	0.004483	0.504673	0.464299	486.6267	0.01974	0.003948
129	L-21	Cleanup and Restoration	Skid steer loader	Diesel	1	10	Skid Steer Loaders	74	0.37		3 Tier 4 Final_2	2026	0.080773	1.090896	1.958466	0.002948	0.031046	0.028562	319.089	0.012944	0.002589
130	L-21	Cleanup and Restoration	Excavator	Diesel	1	10	Excavators	250	0.38		6 Tier 4 Final_5	2026	0.104719	0.544541	5.445411	0.010221	0.020944	0.020944	1106.211	0.044873	0.008975
131	L-21	Cleanup and Restoration	D6 Type Dozer	Diesel	1	10	Rubber Tired Dozers	250	0.4		6 Tier 4 Final_5	2026	0.110231	0.573201	5.732012	0.010746	0.022046	0.022046	1165.117	0.047262	0.009452

Table 20: Off-Road Controlled Emissions (tons)

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
1	L-02	76	0.006937	0.03607	0.360704	0.000675	0.001387	0.001387	73.0555	0.002963	0.000593
2	L-02	76	0.008587	0.044652	0.446524	0.000837	0.001717	0.001717	90.62666	0.003676	0.000735
3	L-02	76	0.032974	0.171465	1.714651	0.003221	0.006595	0.006595	348.7694	0.014148	0.00283
4	L-02	76	0.004998	0.02599	0.369856	0.000487	0.001	0.001	52.71627	0.002138	0.000428
5	L-02	76	0.015081	0.150979	0.166546	0.000328	0.003532	0.00325	25.36708	0.001029	0.000206
6	L-02	76	0.002614	0.013592	0.193421	0.000255	0.000523	0.000523	27.5739	0.001119	0.000224
7	L-02	76	0.003773	0.019619	0.196192	0.000367	0.000755	0.000755	39.78145	0.001614	0.000323
8	L-03	152	0.006876	0.035757	0.508846	0.000671	0.001375	0.001375	72.59801	0.002945	0.000589
9	L-03	152	0.005228	0.027183	0.386842	0.000509	0.001046	0.001046	55.14779	0.002237	0.000447
10	L-03	152	0.037791	0.277929	0.217942	0.000256	0.028766	0.026465	27.73772	0.001125	0.000225
11	L-03	152	0.01621	0.11921	0.09348	0.00011	0.012339	0.011351	11.89731	0.000483	9.65E-05
12	L-03	152	0.015081	0.150979	0.166546	0.000328	0.003532	0.00325	25.36708	0.001029	0.000206
13	L-03	152	0.013873	0.072141	0.721408	0.00135	0.002775	0.002775	146.111	0.005927	0.001185
14	L-03	152	0.009215	0.04792	0.479196	0.000895	0.001843	0.001843	96.83652	0.003928	0.000786
15	L-03	152	0.008755	0.045524	0.455236	0.000854	0.001751	0.001751	92.47923	0.003751	0.00075
16	L-03	152	0.023739	0.234219	0.227283	0.000307	0.014553	0.013389	33.26029	0.001349	0.00027
17	L-03	152	0.012278	0.165816	0.297687	0.000448	0.004719	0.004341	48.50153	0.001967	0.000393
18	L-03	152	0.003079	0.01601	0.160095	0.000301	0.000616	0.000616	32.5891	0.001322	0.000264
19	L-03	152	0.003079	0.01601	0.160095	0.000301	0.000616	0.000616	32.5891	0.001322	0.000264
20	L-04	333	0.006745	0.035073	0.350735	0.000659	0.001349	0.001349	71.39586	0.002896	0.000579
21	L-04	333	0.006745	0.035073	0.350735	0.000659	0.001349	0.001349	71.39586	0.002896	0.000579
22	L-04	333	0.005855	0.030445	0.304447	0.00057	0.001171	0.001171	61.77507	0.002506	0.000501
23	L-04	333	0.066077	0.661525	0.729733	0.001437	0.015477	0.014239	111.1478	0.004509	0.000902
24	L-04	333	0.013306	0.069193	0.691925	0.001296	0.002661	0.002661	140.3979	0.005695	0.001139
25	L-04	333	0.003818	0.019851	0.282496	0.000372	0.000764	0.000764	40.2724	0.001634	0.000327
26	L-04	333	0.001909	0.009926	0.141248	0.000186	0.000382	0.000382	20.1362	0.000817	0.000163
27	L-04	333	0.190763	1.510731	0.618407	0.000473	0.110764	0.101903	51.63394	0.002094	0.000419
28	L-04	333	0.006919	0.104633	0.213017	0.000329	0.002058	0.001893	35.5598	0.001442	0.000288
29	P-05	40	0.002425	0.01261	0.126104	0.000235	0.000485	0.000485	25.4833	0.001034	0.000207
30	P-05	40	0.001615	0.021818	0.039169	5.9E-05	0.000621	0.000571	6.381781	0.000259	5.18E-05
31	P-05	40	0.000917	0.004769	0.067867	8.94E-05	0.000183	0.000183	9.675052	0.000392	7.85E-05
32	P-05	40	0.000639	0.003325	0.033246	6.23E-05	0.000128	0.000128	6.745844	0.000274	5.47E-05
33	P-05	40	0.00146	0.007594	0.075938	0.000142	0.000292	0.000292	15.3801	0.000624	0.000125

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
34	P-05	40	0.000237	0.00123	0.012301	2.3E-05	4.73E-05	4.73E-05	2.495962	0.000101	2.02E-05
35	P-05	40	0.00226	0.011751	0.117506	0.00022	0.000452	0.000452	23.84912	0.000967	0.000193
36	P-05	40	0.002205	0.011464	0.11464	0.000215	0.000441	0.000441	23.30235	0.000945	0.000189
37	P-05	40	0.002094	0.010891	0.108908	0.000204	0.000419	0.000419	22.12422	0.000897	0.000179
38	P-05	40	0.001047	0.005445	0.077492	0.000102	0.000209	0.000209	11.04515	0.000448	8.96E-05
39	P-06	21	0.001678	0.008727	0.08727	0.000164	0.000336	0.000336	17.70784	0.000718	0.000144
40	P-06	21	0.00015	0.000782	0.011134	1.47E-05	3.01E-05	3.01E-05	1.587313	6.44E-05	1.29E-05
41	P-06	21	0.000923	0.0048	0.047998	8.99E-05	0.000185	0.000185	9.739312	0.000395	7.9E-05
42	P-06	21	0.00139	0.007228	0.072281	0.000135	0.000278	0.000278	14.65632	0.000595	0.000119
43	P-07	20	0.004795	0.024934	0.249343	0.000467	0.000959	0.000959	50.59383	0.002052	0.00041
44	P-07	20	0.002646	0.013757	0.137568	0.000258	0.000529	0.000529	27.96282	0.001134	0.000227
45	P-07	20	0.000405	0.002107	0.021065	3.96E-05	8.1E-05	8.1E-05	4.28804	0.000174	3.48E-05
46	P-07	20	0.000405	0.002107	0.021065	3.96E-05	8.1E-05	8.1E-05	4.28804	0.000174	3.48E-05
47	L-08	16	0.000904	0.0047	0.047002	8.81E-05	0.000181	0.000181	9.539648	0.000387	7.74E-05
48	L-08	16	0.000646	0.008727	0.015668	2.36E-05	0.000248	0.000228	2.552712	0.000104	2.07E-05
49	L-08	16	0.000882	0.004586	0.045856	8.6E-05	0.000176	0.000176	9.32094	0.000378	7.56E-05
50	L-08	16	0.000838	0.004356	0.043563	8.18E-05	0.000168	0.000168	8.849688	0.000359	7.18E-05
51	L-08	16	0	0	0	0	0	0	0	0	0
52	L-09	22	0.001334	0.006936	0.069357	0.00013	0.000267	0.000267	14.01581	0.000569	0.000114
53	L-09	22	0.000889	0.012	0.021543	3.24E-05	0.000342	0.000314	3.509979	0.000142	2.85E-05
54	L-09	22	0.000504	0.002623	0.037327	4.91E-05	0.000101	0.000101	5.321278	0.000216	4.32E-05
55	L-09	22	0.000352	0.001829	0.018285	3.43E-05	7.03E-05	7.03E-05	3.710214	0.000151	3.01E-05
56	L-09	22	0.001456	0.007572	0.075723	0.000142	0.000291	0.000291	15.35424	0.000623	0.000125
57	L-09	22	0.00013	0.000677	0.006765	1.27E-05	2.6E-05	2.6E-05	1.372779	5.57E-05	1.11E-05
58	L-10	24	0.001918	0.009974	0.099737	0.000187	0.000384	0.000384	20.23753	0.000821	0.000164
59	L-10	24	0.000172	0.000894	0.012725	1.68E-05	3.44E-05	3.44E-05	1.814072	7.36E-05	1.47E-05
60	L-10	24	0.001055	0.005486	0.054855	0.000103	0.000211	0.000211	11.13064	0.000452	9.03E-05
61	L-10	24	0.001589	0.008261	0.082607	0.000155	0.000318	0.000318	16.75008	0.000679	0.000136
62	L-11	26	0.006234	0.032415	0.324145	0.000607	0.001247	0.001247	65.77198	0.002668	0.000534
63	L-11	26	0.003439	0.017884	0.178839	0.000335	0.000688	0.000688	36.35167	0.001475	0.000295
64	L-11	26	0.000527	0.002738	0.027385	5.15E-05	0.000105	0.000105	5.574452	0.000226	4.52E-05
65	L-11	26	0.000527	0.002738	0.027385	5.15E-05	0.000105	0.000105	5.574452	0.000226	4.52E-05
66	L-11	26	0.001442	0.007499	0.106721	0.000212	0.000288	0.000288	16.39217	0.000665	0.000133
67	L-11	26	0.000963	0.005007	0.07126	9.38E-05	0.000193	0.000193	10.15245	0.000412	8.24E-05

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
68	L-12	150	0.000694	0.003611	0.05139	6.76E-05	0.000139	0.000139	7.321479	0.000297	5.94E-05
69	L-12	150	0.001563	0.008125	0.081251	0.000153	0.000313	0.000313	16.53958	0.000671	0.000134
70	L-12	150	0.006424	0.033403	0.334033	0.000944	0.001285	0.001285	73.02071	0.002962	0.000592
71	L-12	150	0.048208	2.159737	2.506838	0.007084	0.019283	0.019283	547.9511	0.022227	0.004445
72	L-12	150	0.006363	0.033085	0.470827	0.000935	0.001273	0.001273	72.31842	0.002934	0.000587
73	L-12	150	0.016258	0.115736	0.153085	0.000233	0.003129	0.002879	18.04113	0.000732	0.000146
74	L-12	150	0.018473	0.096057	0.960571	0.001806	0.003695	0.003695	195.4924	0.00793	0.001586
75	L-12	150	0.003452	0.017953	0.179527	0.000336	0.00069	0.00069	36.42756	0.001478	0.000296
76	L-12	150	0.003458	0.026564	0.033432	5.47E-05	0.000711	0.000654	4.228419	0.000172	3.43E-05
77	L-13	25	0.000799	0.004156	0.041557	7.79E-05	0.00016	0.00016	8.432305	0.000342	6.84E-05
78	L-13	25	0.001387	0.007211	0.102616	0.000204	0.000277	0.000277	15.76171	0.000639	0.000128
79	L-13	25	0.00271	0.019289	0.025514	3.89E-05	0.000521	0.00048	3.006854	0.000122	2.44E-05
80	L-13	25	0.008035	0.359956	0.417806	0.001181	0.003214	0.003214	91.32518	0.003705	0.000741
81	L-14	147	0.002538	0.013195	0.131952	0.000247	0.000508	0.000508	26.77426	0.001086	0.000217
82	L-14	147	0.005445	0.028312	0.402895	0.00053	0.001089	0.001089	57.4004	0.002328	0.000466
83	L-14	147	0.010792	0.056118	0.798596	0.001586	0.002158	0.002158	122.6632	0.004976	0.000995
84	L-14	147	0.004083	0.021234	0.302171	0.000398	0.000817	0.000817	43.0503	0.001746	0.000349
85	L-14	147	0.046765	0.243176	2.43176	0.006872	0.009353	0.009353	531.5908	0.021564	0.004313
86	L-14	147	0.004083	0.021234	0.302171	0.000398	0.000817	0.000817	43.0503	0.001746	0.000349
87	L-14	147	0.047798	0.340265	0.450069	0.000686	0.009199	0.008463	53.04091	0.002152	0.00043
88	L-14	147	0.024308	0.243354	0.268445	0.000529	0.005693	0.005238	40.88772	0.001659	0.000332
89	L-14	147	0.005639	0.029323	0.293227	0.000549	0.001128	0.001128	59.49835	0.002414	0.000483
90	L-15	138	0.02081	0.108211	1.082112	0.002041	0.004162	0.004162	220.8894	0.00896	0.001792
91	L-15	138	0.008443	0.043901	0.439015	0.000823	0.001689	0.001689	89.08404	0.003614	0.000723
92	L-15	138	0.004764	0.024775	0.247747	0.000464	0.000953	0.000953	50.27003	0.002039	0.000408
93	L-15	138	0.003639	0.018925	0.189251	0.000355	0.000728	0.000728	38.40072	0.001558	0.000312
94	L-15	138	0.0115	0.059801	0.598009	0.001123	0.0023	0.0023	121.5618	0.004931	0.000986
95	L-15	138	0.022436	0.159716	0.211257	0.000322	0.004318	0.003972	24.89675	0.00101	0.000202
96	L-15	138	0.08805	0.753065	0.363478	0.000368	0.057928	0.053294	40.07274	0.001626	0.000325
97	L-16	70	0.01389	0.139059	0.153397	0.000302	0.003253	0.002993	23.36441	0.000948	0.00019
98	L-16	70	0.002797	0.014545	0.14545	0.000273	0.000559	0.000559	29.51307	0.001197	0.000239
99	L-16	70	0.000802	0.004173	0.059384	7.82E-05	0.00016	0.00016	8.46567	0.000343	6.87E-05
100	L-16	70	0.000401	0.002086	0.029692	3.91E-05	8.02E-05	8.02E-05	4.232835	0.000172	3.43E-05
101	L-16	70	0.0401	0.317571	0.129995	9.94E-05	0.023284	0.021421	10.85398	0.00044	8.81E-05

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
102	L-16	70	0.001418	0.007373	0.073728	0.000139	0.000284	0.000284	15.00814	0.000609	0.000122
103	L-16	70	0.001418	0.007373	0.073728	0.000139	0.000284	0.000284	15.00814	0.000609	0.000122
104	L-16	70	0.005654	0.076363	0.137093	0.000206	0.002173	0.001999	22.33623	0.000906	0.000181
105	L-16	70	0.017404	0.127994	0.100368	0.000118	0.013248	0.012188	12.77395	0.000518	0.000104
106	P-17	51	0.001033	0.005372	0.053716	0.000101	0.000207	0.000207	10.9345	0.000444	8.87E-05
107	P-17	51	0.001033	0.005372	0.053716	0.000101	0.000207	0.000207	10.9345	0.000444	8.87E-05
108	P-17	51	0.004076	0.021194	0.211941	0.000397	0.000815	0.000815	43.00476	0.001744	0.000349
109	P-17	51	0.000877	0.00456	0.064898	8.55E-05	0.000175	0.000175	9.251768	0.000375	7.51E-05
110	P-17	51	0.003092	0.016078	0.160783	0.0003	0.000618	0.000618	32.4912	0.001318	0.000264
111	P-17	51	0.004119	0.055636	0.099882	0.00015	0.001583	0.001457	16.27354	0.00066	0.000132
112	P-17	51	0.008453	0.062168	0.04875	5.72E-05	0.006435	0.00592	6.20449	0.000252	5.03E-05
113	L-18	103	0.008232	0.042804	0.428038	0.000802	0.001646	0.001646	86.85274	0.003523	0.000705
114	L-18	103	0.000738	0.003838	0.054612	7.19E-05	0.000148	0.000148	7.785393	0.000316	6.32E-05
115	L-18	103	0.021968	0.161561	0.12669	0.000149	0.016722	0.015384	16.12398	0.000654	0.000131
116	L-18	103	0.00832	0.112362	0.201722	0.000304	0.003198	0.002942	32.86617	0.001333	0.000267
117	L-18	103	0.016086	0.158714	0.154014	0.000208	0.009862	0.009073	22.53822	0.000914	0.000183
118	L-18	103	0.002086	0.010849	0.108485	0.000204	0.000417	0.000417	22.08341	0.000896	0.000179
119	L-18	103	0.002086	0.010849	0.108485	0.000204	0.000417	0.000417	22.08341	0.000896	0.000179
120	P-19	102	0.008152	0.042388	0.423882	0.000794	0.00163	0.00163	86.00951	0.003489	0.000698
121	P-19	102	0.000585	0.00304	0.043265	5.7E-05	0.000117	0.000117	6.167845	0.00025	5E-05
122	P-19	102	0.007812	0.147243	0.157575	0.000278	0.001061	0.000976	30.07096	0.00122	0.000244
123	P-19	102	0.002119	0.03205	0.065248	0.000101	0.00063	0.00058	10.89219	0.000442	8.84E-05
124	L-20	174	0.013327	0.25118	0.268805	0.000474	0.00181	0.001665	51.29752	0.002081	0.000416
125	L-20	174	0.009651	0.050188	0.714209	0.001418	0.00193	0.00193	109.7015	0.00445	0.00089
126	L-20	174	0.013906	0.072309	0.723093	0.001355	0.002781	0.002781	146.7221	0.005952	0.00119
127	L-21	140	0.015818	0.082254	0.822544	0.001542	0.003164	0.003164	166.9438	0.006772	0.001354
128	L-21	140	0.046411	0.341317	0.267648	0.000314	0.035327	0.032501	34.06387	0.001382	0.000276
129	L-21	140	0.005654	0.076363	0.137093	0.000206	0.002173	0.001999	22.33623	0.000906	0.000181
130	L-21	140	0.00733	0.038118	0.381179	0.000715	0.001466	0.001466	77.43477	0.003141	0.000628
131	L-21	140	0.007716	0.040124	0.401241	0.000752	0.001543	0.001543	81.55822	0.003308	0.000662

Table 21: On-Road Uncontrolled Daily Exhaust Emissions (pounds/day)

Count	Activity Index	Activity Name	Equipment Name	Fuel Type	HP	Quantity	Year	Trips/Day	Trip Length	VMT	Paved Percent	Paved VMT	Unpaved VMT	On Type	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
1	L-01	Survey	Pickup - 1/2 Ton	Gasoline	395	2	2026	4	40	160	95	152	8	passenger	0.021031	0.028534	0.360099	0.002243	0.006343	0.002445	108.9024	0.00197	0.002535
2	L-02	Site Development/Staging Yards	Truck - Water 4 K	Diesel	300	4	2026	8	40	320	95	304	16	vendor	0.018248	0.846513	0.127619	0.007754	0.048351	0.020768	183.8371	0.000848	0.129008
3	L-02	Site Development/Staging Yards	Truck - Dump 10-12 Yd	Diesel	415	5	2026	10	40	400	95	380	20	hdt	0.064682	2.247711	0.802305	0.014322	0.124741	0.055056	512.4009	0.003004	0.238281
4	L-02	Site Development/Staging Yards	Pickup - 1/2 Ton	Gasoline	395	4	2026	8	40	320	95	304	16	passenger	0.042061	0.057068	0.720198	0.002153	0.012686	0.004486	217.8048	0.00394	0.050569
5	L-02	Site Development/Staging Yards	Pickup - 1 Ton	Diesel	410	4	2026	8	40	320	95	304	16	passenger	0.112621	0.604868	0.675053	0.002296	0.012756	0.004486	242.3598	0.005231	0.038184
6	L-02	Site Development/Staging Yards	Semi Truck	Diesel	500	2	2026	4	160	160	95	152	8	hdt	0.025873	0.899084	0.320922	0.005729	0.049896	0.022022	604.9636	0.001202	0.095312
7	L-03	Below-Grade Construction	Truck - Water 4 K	Diesel	300	2	2026	4	40	160	95	152	8	vendor	0.009124	0.423257	0.06381	0.003877	0.024176	0.010384	409.4185	0.000424	0.064504
8	L-03	Below-Grade Construction	Pickup - 1/2 Ton	Gasoline	395	4	2026	8	40	320	95	304	16	passenger	0.042061	0.057068	0.720198	0.002153	0.012686	0.004486	217.8048	0.00394	0.050569
9	L-03	Below-Grade Construction	Pickup - 1 Ton	Diesel	410	4	2026	8	40	320	95	304	16	passenger	0.112621	0.604868	0.675053	0.002296	0.012756	0.009033	242.3598	0.005231	0.038184
10	L-03	Below-Grade Construction	Truck - Concrete	Diesel	425	4	2026	8	60	480	95	456	24	hdt	0.057446	2.433526	0.668621	0.016751	0.149569	0.069592	1768.935	0.002668	0.278696
11	L-03	Below-Grade Construction	Truck - Dump 10-12 Yd	Diesel	415	3	2026	6	40	240	95	228	12	hdt	0.038809	1.348627	0.481383	0.008593	0.074845	0.033034	907.4454	0.001803	0.142968
12	L-04	Above-Grade Construction	Pickup - 1/2 Ton	Gasoline	395	4	2026	8	40	320	95	304	16	passenger	0.042061	0.057068	0.720198	0.002153	0.012686	0.004486	217.8048	0.00394	0.050569
13	L-04	Above-Grade Construction	Pickup - 1 Ton	Diesel	410	4	2026	8	40	320	95	304	16	passenger	0.112621	0.604868	0.675053	0.002296	0.012756	0.009033	242.3598	0.005231	0.038184
14	L-04	Above-Grade Construction	Welding Truck	Diesel	395	2	2026	4	40	160	95	152	8	vendor	0.009124	0.423257	0.06381	0.003877	0.024176	0.010384	409.4185	0.000424	0.064504
15	P-05	Foundation Installation	Truck - Concrete	Diesel	425	4	2026	8	60	480	95	456	24	hdt	0.057446	2.433526	0.668621	0.016751	0.149569	0.069592	1768.935	0.002668	0.278696
16	P-05	Foundation Installation	Pickup - 1 Ton	Diesel	410	4	2026	8	60	480	95	456	24	passenger	0.168932	0.907303	0.101258	0.003445	0.154133	0.135495	363.5397	0.007847	0.057276
17	P-05	Foundation Installation	Truck - Water 4 K	Diesel	300	2	2026	4	60	240	95	228	12	vendor	0.013247	0.603851	0.080859	0.005774	0.036224	0.015538	609.7323	0.000615	0.096064
18	P-05	Foundation Installation	Truck - Dump 10-12 Yd	Diesel	415	2	2026	4	40	160	95	152	8	hdt	0.025873	0.899084	0.320922	0.005729	0.049896	0.022022	604.9636	0.001202	0.095312
19	P-06	Structure Installation	Pickup - 1/2 Ton	Gasoline	395	2	2026	4	40	160	95	152	8	passenger	0.021031	0.028534	0.360099	0.001077	0.006343	0.002243	108.9024	0.00197	0.002535
20	P-06	Structure Installation	Pickup - 1 ton	Diesel	410	2	2026	4	60	240	95	228	12	passenger	0.084466	0.453651	0.50629	0.001722	0.077067	0.067747	181.7699	0.003923	0.028638
21	P-06	Structure Installation	Truck - Water 4 K	Diesel	300	2	2026	4	60	240	95	228	12	vendor	0.013247	0.603851	0.080859	0.005774	0.036224	0.015538	609.7323	0.000615	0.096064
22	P-06	Structure Installation	Jet Fuel Truck	Diesel	300	1	2026	2	40	80	95	76	4	vendor	0.004562	0.211628	0.031905	0.001938	0.012088	0.005192	204.7093	0.000212	0.032252
23	P-07	Conductor Installation	Jet Fuel Truck	Diesel	300	1	2026	2	40	80	95	76	4	vendor	0.004562	0.211628	0.031905	0.001938	0.012088	0.005192	204.7093	0.000212	0.032252
24	P-07	Conductor Installation	Pickup - 1/2 ton	Gasoline	395	4	2026	8	40	320	95	304	16	passenger	0.042061	0.057068	0.720198	0.002153	0.012686	0.004486	217.8048	0.00394	0.050569
25	P-07	Conductor Installation	Pickup - 1 Ton	Diesel	410	4	2026	8	40	320	95	456	24	passenger	0.168932	0.907303	0.101258	0.003445	0.154133	0.135495	363.5397	0.007847	0.057276
26	P-07	Conductor Installation	Truck - Water 4 K	Diesel	300	2	2026	4	60	240	95	228	12	vendor	0.013247	0.603851	0.080859	0.005774	0.036224	0.015538	609.7323	0.000615	0.096064
27	L-08	Access Road Construction	Pickup - 1/2 Ton	Gasoline	395	2	2026	4	40	160	95	152	8	passenger	0.021031	0.028534	0.360099	0.001077	0.006343	0.002243	108.9024	0.00197	0.002535
28	L-08	Access Road Construction	Pickup - 1 ton	Diesel	410	2	2026	4	60	240	95	228	12	passenger	0.084466	0.453651	0.50629	0.001722	0.077067	0.067747	181.7699	0.003923	0.028638
29	L-08	Access Road Construction	Truck - Dump 10-12 Yd	Diesel	415	2	2026	4	40	160	95	152	8	hdt	0.025873	0.899084	0.320922	0.005729	0.049896	0.022022	604.9636	0.001202	0.095312
30	L-08	Access Road Construction	Truck - Water 4 K	Diesel	300	2	2026	4	60	240	95	228	12	vendor	0.013247	0.603851	0.080859	0.005774	0.036224	0.015538	609.7323	0.000615	0.096064
31	L-09	Foundation Installation	Truck - Concrete	Diesel	425	4	2026	8	60	480	95	456	24	hdt	0.057446	2.433526	0.668621	0.016751	0.149569	0.069592	1768.935	0.002668	0.278696
32	L-09	Foundation Installation	Pickup - 1 Ton	Diesel	410	4	2026	8	40	320	95	304	16	passenger	0.112621	0.604868	0.675053	0.002296	0.012756	0.009033	242.3598	0.005231	0.038184
33	L-09	Foundation Installation	Truck - Water 4 K	Diesel	300	2	2026	4	40	160	95	152	8	vendor	0.009124	0.423257	0.06381	0.003877	0.024176	0.010384	409.4185	0.000424	0.064504
34	L-09	Foundation Installation	Truck - Dump 10-12 Yd	Diesel	415	2	2026	4	40	160	95	152	8	hdt	0.025873	0.899084	0.320922	0.005729	0.049896	0.022022	604.9636	0.001202	0.095312
35	L-10	Structure Installation	Pickup - 1/2 ton	Gasoline	395	2	2026	4	40	160	95	152	8	passenger	0.021031	0.028534	0.360099	0.001077	0.006343	0.002243	108.9024	0.00197	0.002535
36	L-10	Structure Installation	Pickup - 1 ton	Diesel	410	2	2026	4	60	240	95	228	12	passenger	0.084466	0.453651	0.50629	0.001722	0.077067	0.067747	181.7699	0.003923	0.028638
37	L-10	Structure Installation	Truck - Water 4 K	Diesel	300	2	2026	4	40	160	95	152	8	vendor	0.009124	0.423257	0.06381	0.003877	0.024176	0.010384	409.4185	0.000424	0.064504
38	L-11	Conductor Installation	Jet Fuel Truck	Diesel	300	1	2026	2	60	120	95	114	6	vendor	0.006624	0.301925	0.04043	0.002887	0.018112	0.007769	304.8662	0.000308	0.048032
39	L-11	Conductor Installation	Pickup - 1/2 ton	Gasoline	395	4	2026	8	40	320	95	304	16	passenger	0.042061	0.057068	0.720198	0.002153	0.012686	0.004486	217.8048	0.00394	0.050569
40	L-11	Conductor Installation	Pickup - 1 Ton	Diesel	410	4	2026	8	40	320	95	456	24	passenger	0.112621	0.604868	0.675053	0.002296	0.012756	0.009033	242.3598	0.005231	0.038184
41	L-11	Conductor Installation	Truck - Water 4 K	Diesel	300	2	2026	4	40	160	95	152	8	vendor	0.009124	0.423257	0.06381	0.003877	0.024176	0.010384	409.4185	0.000424	0.064504
42	L-11	Conductor Installation	Truck - Concrete	Diesel	425	1	2026	2	60	120	95	114	6	hdt	0.014362	0.608382	0.167155	0.004188	0.037383	0.016488	442.2338	0.000667	0.069674
43	L-15	Southern Transition Approach Construction	Truck - Dump 10-12 Yd	Diesel	415	4	2026	8	40	320	95	304	16	hdt	0.051745	1.798169	0.641844	0.014457	0.089793	0.040405	1209.927	0.002403	0.196025
44	L-15	Southern Transition Approach Construction	Onshore Trucks	Diesel	300	4	2026	8	60	480	95	456	24	vendor	0.026495	1.207701	0.161719	0.011548	0.072447	0.031076	1219.465	0.001231	0.191227
45	L-16	Substation Getaways	Pickup - 1/2 Ton	Gasoline	395	4	2026	8	40	320	95	304	16	passenger	0.042061	0.057068	0.720198	0.002153	0.012686	0.004486	217.8048	0.00394	0.050569
46	L-16	Substation Getaways	Pickup - 1 Ton	Diesel	410	4	2026	8	40	320	95	304	16	passenger	0.112621	0.604868	0.675053	0.002296	0.012756	0.009033	242.3598	0.005231	0.038184
47	L-16	Substation Getaways	Welding Truck	Diesel	395	2	2026	4															

Table 22: On-Road Uncontrolled Exhaust Emissions (tons)

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
1	L-01	26	0.000273	0.000371	0.004681	1.4E-05	8.25E-05	2.92E-05	1.415731	2.56E-05	3.3E-05
2	L-02	76	0.000693	0.032168	0.00485	0.000295	0.001837	0.000789	31.11581	3.22E-05	0.004902
3	L-02	76	0.002458	0.085413	0.030488	0.000544	0.00474	0.002092	57.47154	0.000114	0.009055
4	L-02	76	0.001598	0.002169	0.027368	8.18E-05	0.000482	0.00017	8.276582	0.00015	0.000193
5	L-02	76	0.00428	0.022985	0.025652	8.73E-05	0.003905	0.003433	9.209673	0.000199	0.001451
6	L-02	76	0.000983	0.034165	0.012195	0.000218	0.001896	0.000837	22.98862	4.57E-05	0.003622
7	L-03	152	0.000693	0.032168	0.00485	0.000295	0.001837	0.000789	31.11581	3.22E-05	0.004902
8	L-03	152	0.003197	0.004337	0.054735	0.000164	0.000964	0.000341	16.55316	0.000299	0.000385
9	L-03	152	0.008559	0.04597	0.051304	0.000175	0.007809	0.006865	18.41935	0.000398	0.002902
10	L-03	152	0.004366	0.184948	0.050815	0.001273	0.011367	0.005012	134.4391	0.000203	0.021181
11	L-03	152	0.002949	0.102496	0.036585	0.000653	0.005688	0.002511	68.96585	0.000137	0.010866
12	L-04	333	0.007003	0.009502	0.119913	0.000359	0.002112	0.000747	36.2645	0.000656	0.000844
13	L-04	333	0.018751	0.100711	0.112396	0.000382	0.017109	0.01504	40.35291	0.000871	0.006358
14	L-04	333	0.001519	0.070472	0.010624	0.000646	0.004025	0.001729	68.16819	7.06E-05	0.01074
15	P-05	40	0.001149	0.048671	0.013372	0.000335	0.002991	0.001319	35.3787	5.34E-05	0.005574
16	P-05	40	0.003379	0.018146	0.020252	6.89E-05	0.003083	0.00271	7.270795	0.000157	0.001146
17	P-05	40	0.000265	0.012077	0.001617	0.000115	0.000724	0.000311	12.19465	1.23E-05	0.001921
18	P-05	40	0.000517	0.017982	0.006418	0.000115	0.000998	0.00044	12.09927	2.4E-05	0.001906
19	P-06	21	0.000221	0.0003	0.003781	1.13E-05	6.66E-05	2.36E-05	1.143475	2.07E-05	2.66E-05
20	P-06	21	0.000887	0.004763	0.005316	1.81E-05	0.000809	0.000711	1.908584	4.12E-05	0.000301
21	P-06	21	0.000139	0.00634	0.000849	6.06E-05	0.00038	0.000163	6.402189	6.46E-06	0.001009
22	P-06	21	4.79E-05	0.002222	0.000335	2.04E-05	0.000127	5.45E-05	2.149447	2.22E-06	0.000339
23	P-07	20	4.56E-05	0.002116	0.000319	1.94E-05	0.000121	5.19E-05	2.047093	2.12E-06	0.000323
24	P-07	20	0.000421	0.000571	0.007202	2.15E-05	0.000127	4.49E-05	2.178048	3.94E-05	5.07E-05
25	P-07	20	0.001689	0.009073	0.010126	3.44E-05	0.001541	0.001355	3.635397	7.85E-05	0.000573
26	P-07	20	0.000132	0.006039	0.000809	5.77E-05	0.000362	0.000155	6.097323	6.15E-06	0.000961
27	L-08	16	0.000168	0.000228	0.002881	8.61E-06	5.07E-05	1.79E-05	0.871219	1.58E-05	2.03E-05
28	L-08	16	0.00045	0.002419	0.0027	9.19E-06	0.000411	0.000361	0.969439	2.09E-05	0.000153
29	L-08	16	0.000207	0.007193	0.002567	4.58E-05	0.000399	0.000176	4.839709	9.61E-06	0.000762
30	L-08	16	7.3E-05	0.003386	0.00051	3.1E-05	0.000193	8.31E-05	3.275348	3.39E-06	0.000516
31	L-09	22	0.000632	0.026769	0.007355	0.000184	0.001645	0.000725	19.45829	2.94E-05	0.003066
32	L-09	22	0.001239	0.006654	0.007426	2.53E-05	0.00113	0.000994	2.665958	5.75E-05	0.00042
33	L-09	22	0.0001	0.004656	0.000702	4.26E-05	0.000266	0.000114	4.503604	4.66E-06	0.00071

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
34	L-09	22	0.000285	0.00989	0.00353	6.3E-05	0.000549	0.000242	6.6546	1.32E-05	0.001048
35	L-10	24	0.000252	0.000342	0.004321	1.29E-05	7.61E-05	2.69E-05	1.306829	2.36E-05	3.04E-05
36	L-10	24	0.000676	0.003629	0.00405	1.38E-05	0.000617	0.000542	1.454159	3.14E-05	0.000229
37	L-10	24	0.000109	0.005079	0.000766	4.65E-05	0.00029	0.000125	4.913023	5.09E-06	0.000774
38	L-11	26	8.61E-05	0.003925	0.000526	3.75E-05	0.000235	0.000101	3.96326	4E-06	0.000624
39	L-11	26	0.000547	0.000742	0.009363	2.8E-05	0.000165	5.83E-05	2.831462	5.12E-05	6.59E-05
40	L-11	26	0.001464	0.007863	0.008776	2.99E-05	0.001336	0.001174	3.150678	6.8E-05	0.000496
41	L-11	26	0.000119	0.005502	0.00083	5.04E-05	0.000314	0.000135	5.322441	5.51E-06	0.000839
42	L-12	150	0.001077	0.045629	0.012537	0.000314	0.002804	0.001237	33.16753	5E-05	0.005226
43	L-15	138	0.00357	0.124074	0.044287	0.000791	0.006886	0.003039	83.48498	0.000166	0.013153
44	L-15	138	0.001828	0.083331	0.011159	0.000797	0.004999	0.002144	84.14306	8.49E-05	0.013257
45	L-16	70	0.001472	0.001997	0.025207	7.54E-05	0.000444	0.000157	7.623168	0.000138	0.000177
46	L-16	70	0.003942	0.02117	0.023627	8.04E-05	0.003596	0.003162	8.482594	0.000183	0.001336
47	L-16	70	0.000319	0.014814	0.002233	0.000136	0.000846	0.000363	14.32965	1.48E-05	0.002258
48	P-17	51	0.000536	0.000728	0.009183	2.75E-05	0.000162	5.72E-05	2.777011	5.02E-05	6.46E-05
49	P-17	51	0.002154	0.011568	0.01291	4.39E-05	0.001965	0.001728	4.635132	0.0001	0.00073
50	P-17	51	0.00066	0.022927	0.008184	0.000146	0.001272	0.000562	15.42657	3.06E-05	0.00243
51	P-17	51	0.001465	0.062055	0.01705	0.000427	0.003814	0.001682	45.10784	6.8E-05	0.007107
52	L-18	103	0.001999	0.069454	0.024791	0.000443	0.003854	0.001701	46.73344	9.28E-05	0.007363
53	L-18	103	0.00435	0.023363	0.026074	8.87E-05	0.003969	0.003489	9.361148	0.000202	0.001475
54	L-18	103	0.001479	0.062663	0.017217	0.000431	0.003851	0.001698	45.55008	6.87E-05	0.007176
55	L-18	103	0	0	0	0	0	0	0	0	0
56	P-19	102	0.002145	0.00291	0.03673	0.00011	0.000647	0.000229	11.10804	0.000201	0.000259
57	P-19	102	0.008616	0.046272	0.051642	0.000176	0.007861	0.00691	18.54053	0.0004	0.002921
58	P-19	102	0.000676	0.030796	0.004124	0.000294	0.001847	0.000792	31.09635	3.14E-05	0.004899
59	L-20	174	0.003659	0.004965	0.062657	0.000187	0.001104	0.00039	18.94902	0.000343	0.000441
60	L-20	174	0.009798	0.052624	0.05873	0.0002	0.00894	0.007859	21.0853	0.000455	0.003322
61	L-20	174	0.000397	0.018412	0.002776	0.000169	0.001052	0.000452	17.80971	1.84E-05	0.002806
62	L-21	140	0.007883	0.042341	0.047254	0.000161	0.007193	0.006323	16.96519	0.000366	0.002673
63	L-21	140	0.000639	0.029628	0.004467	0.000271	0.001692	0.000727	28.6593	2.97E-05	0.004515
64	L-21	140	0.002944	0.003995	0.050414	0.000151	0.000888	0.000314	15.24634	0.000276	0.000355
65	L-21	140	0.001811	0.062936	0.022465	0.000401	0.003493	0.001542	42.34745	8.41E-05	0.006672
66	L-01	26	0.000614	0.001077	0.013588	4.19E-05	0.000247	8.72E-05	4.238114	6.73E-05	9.48E-05

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
67	L-02	76	0.005384	0.009445	0.11916	0.000367	0.002167	0.000765	37.165	0.00059	0.000831
68	L-03	152	0.035892	0.062966	0.794398	0.002449	0.014446	0.005099	247.7667	0.003935	0.005542
69	L-04	333	0.058975	0.10346	1.30527	0.004025	0.023737	0.008379	407.1035	0.006466	0.009107
70	P-05	40	0.003542	0.006214	0.078395	0.000242	0.001426	0.000503	24.45066	0.000388	0.000547
71	P-06	21	0.00186	0.003262	0.041157	0.000127	0.000748	0.000264	12.8366	0.000204	0.000287
72	P-07	20	0.003542	0.006214	0.078395	0.000242	0.001426	0.000503	24.45066	0.000388	0.000547
73	L-08	16	0.001133	0.001988	0.025086	7.74E-05	0.000456	0.000161	7.824211	0.000124	0.000175
74	L-09	22	0.001558	0.002734	0.034494	0.000106	0.000627	0.000221	10.75829	0.000171	0.000241
75	L-10	24	0.0017	0.002983	0.037629	0.000116	0.000684	0.000242	11.73632	0.000186	0.000263
76	L-11	26	0.004605	0.008078	0.101913	0.000314	0.001853	0.000654	31.78586	0.000505	0.000711
77	L-12	150	0.01771	0.031069	0.391973	0.001209	0.007128	0.002516	122.2533	0.001942	0.002735
78	L-13	25	0.002952	0.005178	0.065329	0.000201	0.001188	0.000419	20.37555	0.000324	0.000456
79	L-14	147	0.021695	0.038059	0.480167	0.001481	0.008732	0.003082	149.7603	0.002379	0.00335
80	L-15	138	0.020367	0.035729	0.450769	0.00139	0.008197	0.002894	140.5913	0.002233	0.003145
81	L-16	70	0.008265	0.014499	0.182921	0.000564	0.003326	0.001174	57.05154	0.000906	0.001276
82	P-17	51	0.003011	0.005282	0.066635	0.000205	0.001212	0.000428	20.78306	0.00033	0.000465
83	L-18	103	0.007297	0.0128	0.161493	0.000498	0.002937	0.001037	50.36836	0.0008	0.001127
84	P-19	102	0.009032	0.015845	0.199906	0.000616	0.003635	0.001283	62.34918	0.00099	0.001395
85	L-20	174	0.024652	0.043248	0.545626	0.001682	0.009922	0.003502	170.1766	0.002703	0.003807

Table 23: On-Road Controlled Daily Exhaust Emissions (pounds/day)

Count	Activity Index	Activity Name	Equipment Name	Fuel Type	HP	Quantity	Year	Trips/Day	Trip Length	VMT	Paved Percent	Paved VMT	Unpaved VMT	On Type	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
1	L-01	Survey	Pickup - 1/2 Ton	Gasoline	395	2	2026	4	40	160	95	152	8	passenger	0.021031	0.028534	0.360099	0.010277	0.002443	0.002768	108.9024	0.00197	0.00235
2	L-02	Site Development/Staging Yards	Truck - Water 4 K	Diesel	300	4	2026	8	40	320	95	304	16	vendor	0.018248	0.046513	0.127619	0.007754	0.004351	0.020766	818.8371	0.000848	0.129008
3	L-02	Site Development/Staging Yards	Truck - Dump 10-12 Yd	Diesel	415	5	2026	10	40	400	95	380	20	hhd	0.064682	0.247711	0.802305	0.043422	0.124741	0.055056	1512.4049	0.003004	0.236281
4	L-02	Site Development/Staging Yards	Pickup - 1/2 Ton	Gasoline	395	4	2026	8	40	320	95	304	16	passenger	0.042061	0.057068	0.720198	0.002153	0.012686	0.004486	217.8048	0.00394	0.005069
5	L-02	Site Development/Staging Yards	Pickup - 1 Ton	Diesel	410	4	2026	8	40	320	95	304	16	passenger	0.112621	0.604868	0.675053	0.002296	0.102756	0.090331	242.3598	0.005231	0.038184
6	L-02	Site Development/Staging Yards	Semi Truck	Diesel	500	2	2026	4	160	160	95	152	8	hhd	0.025873	0.899084	0.320922	0.005729	0.049896	0.022022	604.9636	0.01202	0.095312
7	L-03	Below-Grade Construction	Truck - Water 4 K	Diesel	300	2	2026	4	40	160	95	152	8	vendor	0.009124	0.423257	0.06381	0.003877	0.024176	0.010384	409.4185	0.00424	0.064504
8	L-03	Below-Grade Construction	Pickup - 1/2 Ton	Gasoline	395	4	2026	8	40	320	95	304	16	passenger	0.042061	0.057068	0.720198	0.002153	0.012686	0.004486	217.8048	0.00394	0.005069
9	L-03	Below-Grade Construction	Pickup - 1 Ton	Diesel	410	4	2026	8	40	320	95	304	16	passenger	0.112621	0.604868	0.675053	0.002296	0.102756	0.090331	242.3598	0.005231	0.038184
10	L-03	Below-Grade Construction	Truck - Concrete	Diesel	425	4	2026	8	60	480	95	456	24	hhd	0.057446	2.433526	0.668621	0.016751	0.149569	0.069592	1768.935	0.02668	0.789696
11	L-03	Below-Grade Construction	Truck - Dump 10-12 Yd	Diesel	415	3	2026	6	40	240	95	228	12	hhd	0.038809	1.348627	0.481383	0.008593	0.074845	0.033034	907.4454	0.01803	0.142968
12	L-04	Above-Grade Construction	Pickup - 1/2 Ton	Gasoline	395	4	2026	8	40	320	95	304	16	passenger	0.042061	0.057068	0.720198	0.002153	0.012686	0.004486	217.8048	0.00394	0.005069
13	L-04	Above-Grade Construction	Pickup - 1 Ton	Diesel	410	4	2026	8	40	320	95	304	16	passenger	0.112621	0.604868	0.675053	0.002296	0.102756	0.090331	242.3598	0.005231	0.038184
14	L-04	Above-Grade Construction	Welding Truck	Diesel	395	2	2026	4	40	160	95	152	8	vendor	0.009124	0.423257	0.06381	0.003877	0.024176	0.010384	409.4185	0.00424	0.064504
15	P-05	Foundation Installation	Truck - Concrete	Diesel	425	4	2026	8	60	480	95	456	24	hhd	0.057446	2.433526	0.668621	0.016751	0.149569	0.069592	1768.935	0.02668	0.789696
16	P-05	Foundation Installation	Pickup - 1 Ton	Diesel	410	4	2026	8	60	480	95	456	24	passenger	0.168932	0.907303	1.01258	0.003445	0.154133	0.135495	363.5397	0.007847	0.057276
17	P-05	Foundation Installation	Truck - Water 4 K	Diesel	300	2	2026	4	60	240	95	228	12	vendor	0.013247	0.603851	0.080859	0.005774	0.036224	0.015538	609.7323	0.00615	0.096064
18	P-05	Foundation Installation	Truck - Dump 10-12 Yd	Diesel	415	2	2026	4	160	160	95	152	8	hhd	0.025873	0.899084	0.320922	0.005729	0.049896	0.022022	604.9636	0.01202	0.095312
19	P-06	Structure Installation	Pickup - 1/2 Ton	Gasoline	395	2	2026	4	40	160	95	152	8	passenger	0.021031	0.028534	0.360099	0.010177	0.006343	0.002243	108.9024	0.00197	0.00235
20	P-06	Structure Installation	Pickup - 1 ton	Diesel	410	2	2026	4	60	240	95	228	12	passenger	0.084466	0.453651	0.50629	0.01722	0.077067	0.067747	181.7699	0.003923	0.028638
21	P-06	Structure Installation	Truck - Water 4 K	Diesel	300	2	2026	4	60	240	95	228	12	vendor	0.013247	0.603851	0.080859	0.005774	0.036224	0.015538	609.7323	0.00615	0.096064
22	P-06	Structure Installation	Jet Fuel Truck	Diesel	300	1	2026	2	40	80	95	76	4	vendor	0.004562	0.211628	0.031905	0.001938	0.012088	0.005192	204.7093	0.00212	0.032252
23	P-07	Conductor Installation	Jet Fuel Truck	Diesel	300	1	2026	2	40	80	95	76	4	vendor	0.004562	0.211628	0.031905	0.001938	0.012088	0.005192	204.7093	0.00212	0.032252
24	P-07	Conductor Installation	Pickup - 1/2 ton	Gasoline	395	4	2026	8	40	320	95	304	16	passenger	0.042061	0.057068	0.720198	0.002153	0.012686	0.004486	217.8048	0.00394	0.005069
25	P-07	Conductor Installation	Pickup - 1 Ton	Diesel	410	4	2026	8	40	320	95	304	16	passenger	0.168932	0.907303	1.01258	0.003445	0.154133	0.135495	363.5397	0.007847	0.057276
26	P-07	Conductor Installation	Truck - Water 4 K	Diesel	300	2	2026	4	60	240	95	228	12	vendor	0.013247	0.603851	0.080859	0.005774	0.036224	0.015538	609.7323	0.00615	0.096064
27	L-08	Access Road Construction	Pickup - 1/2 Ton	Gasoline	395	2	2026	4	40	160	95	152	8	passenger	0.021031	0.028534	0.360099	0.010177	0.006343	0.002243	108.9024	0.00197	0.00235
28	L-08	Access Road Construction	Pickup - 1 Ton	Diesel	410	2	2026	4	60	160	95	152	8	passenger	0.056311	0.302434	0.337527	0.001148	0.051378	0.045165	121.1799	0.00216	0.019092
29	L-08	Access Road Construction	Truck - Dump 10-12 Yd	Diesel	415	2	2026	4	160	160	95	152	8	hhd	0.025873	0.899084	0.320922	0.005729	0.049896	0.022022	604.9636	0.01202	0.095312
30	L-08	Access Road Construction	Truck - Water 4 K	Diesel	300	2	2026	4	60	160	95	152	8	vendor	0.009124	0.423257	0.06381	0.003877	0.024176	0.010384	409.4185	0.00424	0.064504
31	-09	Foundation Installation	Truck - Concrete	Diesel	425	4	2026	8	60	480	95	456	24	hhd	0.057446	2.433526	0.668621	0.016751	0.149569	0.069592	1768.935	0.02668	0.789696
32	-09	Foundation Installation	Pickup - 1 Ton	Diesel	410	4	2026	8	40	320	95	304	16	passenger	0.112621	0.604868	0.675053	0.002296	0.102756	0.090331	242.3598	0.005231	0.038184
33	-09	Foundation Installation	Truck - Water 4 K	Diesel	300	2	2026	4	40	160	95	152	8	vendor	0.009124	0.423257	0.06381	0.003877	0.024176	0.010384	409.4185	0.00424	0.064504
34	-09	Foundation Installation	Truck - Dump 10-12 Yd	Diesel	415	2	2026	4	160	160	95	152	8	hhd	0.025873	0.899084	0.320922	0.005729	0.049896	0.022022	604.9636	0.01202	0.095312
35	-10	Structure Installation	Pickup - 1/2 ton	Gasoline	395	2	2026	4	40	160	95	152	8	passenger	0.021031	0.028534	0.360099	0.010177	0.006343	0.002243	108.9024	0.00197	0.00235
36	-10	Structure Installation	Pickup - 1 ton	Diesel	410	2	2026	4	60	160	95	152	8	passenger	0.056311	0.302434	0.337527	0.001148	0.051378	0.045165	121.1799	0.00216	0.019092
37	-10	Structure Installation	Truck - Water 4 K	Diesel	300	2	2026	4	40	160	95	152	8	vendor	0.009124	0.423257	0.06381	0.003877	0.024176	0.010384	409.4185	0.00424	0.064504
38	L-11	Conductor Installation	Jet Fuel Truck	Diesel	300	1	2026	2	60	120	95	114	6	vendor	0.006624	0.301925	0.04043	0.002887	0.018112	0.007769	304.8662	0.00308	0.048032
39	L-11	Conductor Installation	Pickup - 1/2 ton	Gasoline	395	4	2026	8	40	320	95	304	16	passenger	0.042061	0.057068	0.720198	0.002153	0.012686	0.004486	217.8048	0.00394	0.005069
40	L-11	Conductor Installation	Pickup - 1 Ton	Diesel	410	4	2026	8	40	320	95	304	16	passenger	0.112621	0.604868	0.675053	0.002296	0.102756	0.090331	242.3598	0.005231	0.038184
41	L-11	Conductor Installation	Truck - Water 4 K	Diesel	300	2	2026	4	40	160	95	152	8	vendor	0.009124	0.423257	0.06381	0.003877	0.024176	0.010384	409.4185	0.00424	0.064504
42	-11	Transition Structure Foundation Installation	Truck - Concrete	Diesel	425	1	2026	2	60	120	95	114	6	hhd	0.041432	0.608382	0.167135	0.004188	0.037392	0.015488	442.2338	0.00667	0.069874
43	-11	Southern Transition Approach Construction	Truck - Dump 10-12 Yd	Diesel	415	4	2026	8	40	320	95	304	16	hhd	0.057446	1.798169	0.641884	0.011457	0.099793	0.040405	1209.927	0.004023	0.190625
44	-15	Southern Transition Approach Construction	Onshore Trucks	Diesel	300	4	2026	8	60	480	95	456	24	vendor	0.026495	1.207701	0.161719	0.011548	0.072447	0.031076	1219.465	0.01231	0.192127
45	L-16	Substation Getaways	Pickup - 1/2 Ton	Gasoline	395	4	2026	8	40	320	95	304	16	passenger	0.042061	0.057068	0.720198	0.002153	0.012686	0.004486	217.8048	0.00394	0.005069
46	L-16	Substation Getaways	Pickup - 1 Ton	Diesel	410	4	2026	8	40	320	95	304	16	passenger	0.112621	0.604868	0.675053	0.002296	0.102756	0.090331	242.3598	0.005231	0.038184
47	L-16	Substation Getaways	Welding Truck	Diesel	395	2	2026	4	40	160	95	152	8										

Table 24: On-Road Controlled Exhaust Emissions (tons)

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
1	L-01	26	0.000273	0.000371	0.004681	1.4E-05	8.25E-05	2.92E-05	1.415731	2.56E-05	3.3E-05
2	L-02	76	0.000693	0.032168	0.00485	0.000295	0.001837	0.000789	31.11581	3.22E-05	0.004902
3	L-02	76	0.002458	0.085413	0.030488	0.000544	0.00474	0.002092	57.47154	0.000114	0.009055
4	L-02	76	0.001598	0.002169	0.027368	8.18E-05	0.000482	0.00017	8.276582	0.00015	0.000193
5	L-02	76	0.00428	0.022985	0.025652	8.73E-05	0.003905	0.003433	9.209673	0.000199	0.001451
6	L-02	76	0.000983	0.034165	0.012195	0.000218	0.001896	0.000837	22.98862	4.57E-05	0.003622
7	L-03	152	0.000693	0.032168	0.00485	0.000295	0.001837	0.000789	31.11581	3.22E-05	0.004902
8	L-03	152	0.003197	0.004337	0.054735	0.000164	0.000964	0.000341	16.55316	0.000299	0.000385
9	L-03	152	0.008559	0.04597	0.051304	0.000175	0.007809	0.006865	18.41935	0.000398	0.002902
10	L-03	152	0.004366	0.184948	0.050815	0.001273	0.011367	0.005012	134.4391	0.000203	0.021181
11	L-03	152	0.002949	0.102496	0.036585	0.000653	0.005688	0.002511	68.96585	0.000137	0.010866
12	L-04	333	0.007003	0.009502	0.119913	0.000359	0.002112	0.000747	36.2645	0.000656	0.000844
13	L-04	333	0.018751	0.100711	0.112396	0.000382	0.017109	0.01504	40.35291	0.000871	0.006358
14	L-04	333	0.001519	0.070472	0.010624	0.000646	0.004025	0.001729	68.16819	7.06E-05	0.01074
15	P-05	40	0.001149	0.048671	0.013372	0.000335	0.002991	0.001319	35.3787	5.34E-05	0.005574
16	P-05	40	0.003379	0.018146	0.020252	6.89E-05	0.003083	0.00271	7.270795	0.000157	0.001146
17	P-05	40	0.000265	0.012077	0.001617	0.000115	0.000724	0.000311	12.19465	1.23E-05	0.001921
18	P-05	40	0.000517	0.017982	0.006418	0.000115	0.000998	0.00044	12.09927	2.4E-05	0.001906
19	P-06	21	0.000221	0.0003	0.003781	1.13E-05	6.66E-05	2.36E-05	1.143475	2.07E-05	2.66E-05
20	P-06	21	0.000887	0.004763	0.005316	1.81E-05	0.000809	0.000711	1.908584	4.12E-05	0.000301
21	P-06	21	0.000139	0.00634	0.000849	6.06E-05	0.00038	0.000163	6.402189	6.46E-06	0.001009
22	P-06	21	4.79E-05	0.002222	0.000335	2.04E-05	0.000127	5.45E-05	2.149447	2.22E-06	0.000339
23	P-07	20	4.56E-05	0.002116	0.000319	1.94E-05	0.000121	5.19E-05	2.047093	2.12E-06	0.000323
24	P-07	20	0.000421	0.000571	0.007202	2.15E-05	0.000127	4.49E-05	2.178048	3.94E-05	5.07E-05
25	P-07	20	0.001689	0.009073	0.010126	3.44E-05	0.001541	0.001355	3.635397	7.85E-05	0.000573
26	P-07	20	0.000132	0.006039	0.000809	5.77E-05	0.000362	0.000155	6.097323	6.15E-06	0.000961
27	L-08	16	0.000168	0.000228	0.002881	8.61E-06	5.07E-05	1.79E-05	0.871219	1.58E-05	2.03E-05
28	L-08	16	0.00045	0.002419	0.0027	9.19E-06	0.000411	0.000361	0.969439	2.09E-05	0.000153
29	L-08	16	0.000207	0.007193	0.002567	4.58E-05	0.000399	0.000176	4.839709	9.61E-06	0.000762
30	L-08	16	7.3E-05	0.003386	0.00051	3.1E-05	0.000193	8.31E-05	3.275348	3.39E-06	0.000516
31	L-09	22	0.000632	0.026769	0.007355	0.000184	0.001645	0.000725	19.45829	2.94E-05	0.003066
32	L-09	22	0.001239	0.006654	0.007426	2.53E-05	0.00113	0.000994	2.665958	5.75E-05	0.00042
33	L-09	22	0.0001	0.004656	0.000702	4.26E-05	0.000266	0.000114	4.503604	4.66E-06	0.00071

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
34	L-09	22	0.000285	0.00989	0.00353	6.3E-05	0.000549	0.000242	6.6546	1.32E-05	0.001048
35	L-10	24	0.000252	0.000342	0.004321	1.29E-05	7.61E-05	2.69E-05	1.306829	2.36E-05	3.04E-05
36	L-10	24	0.000676	0.003629	0.00405	1.38E-05	0.000617	0.000542	1.454159	3.14E-05	0.000229
37	L-10	24	0.000109	0.005079	0.000766	4.65E-05	0.00029	0.000125	4.913023	5.09E-06	0.000774
38	L-11	26	8.61E-05	0.003925	0.000526	3.75E-05	0.000235	0.000101	3.96326	4E-06	0.000624
39	L-11	26	0.000547	0.000742	0.009363	2.8E-05	0.000165	5.83E-05	2.831462	5.12E-05	6.59E-05
40	L-11	26	0.001464	0.007863	0.008776	2.99E-05	0.001336	0.001174	3.150678	6.8E-05	0.000496
41	L-11	26	0.000119	0.005502	0.00083	5.04E-05	0.000314	0.000135	5.322441	5.51E-06	0.000839
42	L-12	150	0.001077	0.045629	0.012537	0.000314	0.002804	0.001237	33.16753	5E-05	0.005226
43	L-15	138	0.00357	0.124074	0.044287	0.000791	0.006886	0.003039	83.48498	0.000166	0.013153
44	L-15	138	0.001828	0.083331	0.011159	0.000797	0.004999	0.002144	84.14306	8.49E-05	0.013257
45	L-16	70	0.001472	0.001997	0.025207	7.54E-05	0.000444	0.000157	7.623168	0.000138	0.000177
46	L-16	70	0.003942	0.02117	0.023627	8.04E-05	0.003596	0.003162	8.482594	0.000183	0.001336
47	L-16	70	0.000319	0.014814	0.002233	0.000136	0.000846	0.000363	14.32965	1.48E-05	0.002258
48	P-17	51	0.000536	0.000728	0.009183	2.75E-05	0.000162	5.72E-05	2.777011	5.02E-05	6.46E-05
49	P-17	51	0.002154	0.011568	0.01291	4.39E-05	0.001965	0.001728	4.635132	0.0001	0.00073
50	P-17	51	0.00066	0.022927	0.008184	0.000146	0.001272	0.000562	15.42657	3.06E-05	0.00243
51	P-17	51	0.001465	0.062055	0.01705	0.000427	0.003814	0.001682	45.10784	6.8E-05	0.007107
52	L-18	103	0.001999	0.069454	0.024791	0.000443	0.003854	0.001701	46.73344	9.28E-05	0.007363
53	L-18	103	0.00435	0.023363	0.026074	8.87E-05	0.003969	0.003489	9.361148	0.000202	0.001475
54	L-18	103	0.001479	0.062663	0.017217	0.000431	0.003851	0.001698	45.55008	6.87E-05	0.007176
55	L-18	103	0	0	0	0	0	0	0	0	0
56	P-19	102	0.002145	0.00291	0.03673	0.00011	0.000647	0.000229	11.10804	0.000201	0.000259
57	P-19	102	0.008616	0.046272	0.051642	0.000176	0.007861	0.00691	18.54053	0.0004	0.002921
58	P-19	102	0.000676	0.030796	0.004124	0.000294	0.001847	0.000792	31.09635	3.14E-05	0.004899
59	L-20	174	0.003659	0.004965	0.062657	0.000187	0.001104	0.00039	18.94902	0.000343	0.000441
60	L-20	174	0.009798	0.052624	0.05873	0.0002	0.00894	0.007859	21.0853	0.000455	0.003322
61	L-20	174	0.000397	0.018412	0.002776	0.000169	0.001052	0.000452	17.80971	1.84E-05	0.002806
62	L-21	140	0.007883	0.042341	0.047254	0.000161	0.007193	0.006323	16.96519	0.000366	0.002673
63	L-21	140	0.000639	0.029628	0.004467	0.000271	0.001692	0.000727	28.6593	2.97E-05	0.004515
64	L-21	140	0.002944	0.003995	0.050414	0.000151	0.000888	0.000314	15.24634	0.000276	0.000355
65	L-21	140	0.001811	0.062936	0.022465	0.000401	0.003493	0.001542	42.34745	8.41E-05	0.006672
66	L-01	26	0.000614	0.001077	0.013588	4.19E-05	0.000247	8.72E-05	4.238114	6.73E-05	9.48E-05

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
67	L-02	76	0.005384	0.009445	0.11916	0.000367	0.002167	0.000765	37.165	0.00059	0.000831
68	L-03	152	0.035892	0.062966	0.794398	0.002449	0.014446	0.005099	247.7667	0.003935	0.005542
69	L-04	333	0.058975	0.10346	1.30527	0.004025	0.023737	0.008379	407.1035	0.006466	0.009107
70	P-05	40	0.003542	0.006214	0.078395	0.000242	0.001426	0.000503	24.45066	0.000388	0.000547
71	P-06	21	0.00186	0.003262	0.041157	0.000127	0.000748	0.000264	12.8366	0.000204	0.000287
72	P-07	20	0.003542	0.006214	0.078395	0.000242	0.001426	0.000503	24.45066	0.000388	0.000547
73	L-08	16	0.001133	0.001988	0.025086	7.74E-05	0.000456	0.000161	7.824211	0.000124	0.000175
74	L-09	22	0.001558	0.002734	0.034494	0.000106	0.000627	0.000221	10.75829	0.000171	0.000241
75	L-10	24	0.0017	0.002983	0.037629	0.000116	0.000684	0.000242	11.73632	0.000186	0.000263
76	L-11	26	0.004605	0.008078	0.101913	0.000314	0.001853	0.000654	31.78586	0.000505	0.000711
77	L-12	150	0.01771	0.031069	0.391973	0.001209	0.007128	0.002516	122.2533	0.001942	0.002735
78	L-13	25	0.002952	0.005178	0.065329	0.000201	0.001188	0.000419	20.37555	0.000324	0.000456
79	L-14	147	0.021695	0.038059	0.480167	0.001481	0.008732	0.003082	149.7603	0.002379	0.00335
80	L-15	138	0.020367	0.035729	0.450769	0.00139	0.008197	0.002894	140.5913	0.002233	0.003145
81	L-16	70	0.008265	0.014499	0.182921	0.000564	0.003326	0.001174	57.05154	0.000906	0.001276
82	P-17	51	0.003011	0.005282	0.066635	0.000205	0.001212	0.000428	20.78306	0.00033	0.000465
83	L-18	103	0.007297	0.0128	0.161493	0.000498	0.002937	0.001037	50.36836	0.0008	0.001127
84	P-19	102	0.009032	0.015845	0.199906	0.000616	0.003635	0.001283	62.34918	0.00099	0.001395
85	L-20	174	0.024652	0.043248	0.545626	0.001682	0.009922	0.003502	170.1766	0.002703	0.003807

Table 25: On-Road Uncontrolled Daily Dust Emissions (pounds/day)

Count	Activity Index	Activity Name	Equipment Name	Fuel Type	HP	Quantity	Year	Trips/Day	Trip Length	VMT	Paved Percent	Paved VMT	Unpaved VMT	On Type	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
1	L-01	Survey	Pickup - 1/2 Ton	Gasoline	395	2	2026	4	40	160	95	152	8	passenger	0	0	0	0	11.81022	1.193615	0	0	0
2	L-02	Site Development/Staging Yards	Truck - Water 4 K	Diesel	300	4	2026	8	40	320	95	304	16	vendor	0	0	0	0	23.62045	2.38723	0	0	0
3	L-02	Site Development/Staging Yards	Truck - Dump 10-12 Yd	Diesel	415	5	2026	10	40	400	95	380	20	hhd	0	0	0	0	29.52556	2.984038	0	0	0
4	L-02	Site Development/Staging Yards	Pickup - 1/2 Ton	Gasoline	395	4	2026	8	40	320	95	304	16	passenger	0	0	0	0	23.62045	2.38723	0	0	0
5	L-02	Site Development/Staging Yards	Pickup - 1 Ton	Diesel	410	4	2026	8	40	320	95	304	16	passenger	0	0	0	0	23.62045	2.38723	0	0	0
6	L-02	Site Development/Staging Yards	Semi Truck	Diesel	500	2	2026	4	40	160	95	152	8	hhd	0	0	0	0	11.81022	1.193615	0	0	0
7	L-03	Below-Grade Construction	Truck - Water 4 K	Diesel	300	2	2026	4	40	160	95	152	8	vendor	0	0	0	0	11.81022	1.193615	0	0	0
8	L-03	Below-Grade Construction	Pickup - 1/2 Ton	Gasoline	395	4	2026	8	40	320	95	304	16	passenger	0	0	0	0	23.62045	2.38723	0	0	0
9	L-03	Below-Grade Construction	Pickup - 1 Ton	Diesel	410	4	2026	8	40	320	95	304	16	passenger	0	0	0	0	23.62045	2.38723	0	0	0
10	L-03	Below-Grade Construction	Truck - Concrete	Diesel	425	4	2026	8	60	480	95	456	24	hhd	0	0	0	0	35.43067	3.580845	0	0	0
11	L-03	Below-Grade Construction	Truck - Dump 10-12 Yd	Diesel	415	3	2026	6	40	240	95	228	12	hhd	0	0	0	0	17.17533	1.790423	0	0	0
12	L-04	Above-Grade Construction	Pickup - 1/2 Ton	Gasoline	395	4	2026	8	40	320	95	304	16	passenger	0	0	0	0	23.62045	2.38723	0	0	0
13	L-04	Above-Grade Construction	Pickup - 1 Ton	Diesel	410	4	2026	8	40	320	95	304	16	passenger	0	0	0	0	23.62045	2.38723	0	0	0
14	L-04	Above-Grade Construction	Welding Truck	Diesel	395	2	2026	4	40	160	95	152	8	vendor	0	0	0	0	11.81022	1.193615	0	0	0
15	P-05	Foundation Installation	Truck - Concrete	Diesel	425	4	2026	8	60	480	95	456	24	hhd	0	0	0	0	35.43067	3.580845	0	0	0
16	P-05	Foundation Installation	Pickup - 1 Ton	Diesel	410	4	2026	8	60	480	95	456	24	passenger	0	0	0	0	35.43067	3.580845	0	0	0
17	P-05	Foundation Installation	Truck - Water 4 K	Diesel	300	2	2026	4	60	240	95	228	12	vendor	0	0	0	0	17.17533	1.790423	0	0	0
18	P-05	Foundation Installation	Truck - Dump 10-12 Yd	Diesel	415	2	2026	4	40	160	95	152	8	hhd	0	0	0	0	11.81022	1.193615	0	0	0
19	P-06	Structure Installation	Pickup - 1/2 Ton	Gasoline	395	2	2026	4	40	160	95	152	8	passenger	0	0	0	0	11.81022	1.193615	0	0	0
20	P-06	Structure Installation	Pickup - 1 ton	Diesel	410	2	2026	4	60	240	95	228	12	passenger	0	0	0	0	17.17533	1.790423	0	0	0
21	P-06	Structure Installation	Truck - Water 4 K	Diesel	300	2	2026	4	60	240	95	228	12	vendor	0	0	0	0	17.17533	1.790423	0	0	0
22	P-06	Structure Installation	Jet Fuel Truck	Diesel	300	1	2026	2	40	80	95	76	4	vendor	0	0	0	0	5.905111	0.596808	0	0	0
23	P-07	Conductor Installation	Jet Fuel Truck	Diesel	300	1	2026	2	40	80	95	76	4	vendor	0	0	0	0	5.905111	0.596808	0	0	0
24	P-07	Conductor Installation	Pickup - 1/2 ton	Gasoline	395	4	2026	8	40	320	95	304	16	passenger	0	0	0	0	23.62045	2.38723	0	0	0
25	P-07	Conductor Installation	Pickup - 1 Ton	Diesel	410	4	2026	8	60	480	95	456	24	passenger	0	0	0	0	35.43067	3.580845	0	0	0
26	P-07	Conductor Installation	Truck - Water 4 K	Diesel	300	2	2026	4	60	240	95	228	12	vendor	0	0	0	0	17.17533	1.790423	0	0	0
27	L-08	Access Road Construction	Pickup - 1/2 ton	Gasoline	395	2	2026	4	40	160	95	152	8	passenger	0	0	0	0	11.81022	1.193615	0	0	0
28	L-08	Access Road Construction	Pickup - 1 ton	Diesel	410	2	2026	4	40	160	95	152	8	passenger	0	0	0	0	11.81022	1.193615	0	0	0
29	L-08	Access Road Construction	Truck - Dump 10-12 Yd	Diesel	415	2	2026	4	40	160	95	152	8	hhd	0	0	0	0	11.81022	1.193615	0	0	0
30	L-08	Access Road Construction	Truck - Water 4 K	Diesel	300	2	2026	4	60	240	95	228	12	vendor	0	0	0	0	17.17533	1.790423	0	0	0
31	L-09	Foundation Installation	Truck - Concrete	Diesel	425	4	2026	8	60	480	95	456	24	hhd	0	0	0	0	35.43067	3.580845	0	0	0
32	L-09	Foundation Installation	Pickup - 1 Ton	Diesel	410	4	2026	8	40	320	95	304	16	passenger	0	0	0	0	23.62045	2.38723	0	0	0
33	L-09	Foundation Installation	Truck - Water 4 K	Diesel	300	2	2026	4	40	160	95	152	8	vendor	0	0	0	0	11.81022	1.193615	0	0	0
34	L-09	Foundation Installation	Truck - Dump 10-12 Yd	Diesel	415	2	2026	4	40	160	95	152	8	hhd	0	0	0	0	11.81022	1.193615	0	0	0
35	L-10	Structure Installation	Pickup - 1/2 ton	Gasoline	395	2	2026	4	40	160	95	152	8	passenger	0	0	0	0	11.81022	1.193615	0	0	0
36	L-10	Structure Installation	Pickup - 1 ton	Diesel	410	2	2026	4	40	160	95	152	8	passenger	0	0	0	0	11.81022	1.193615	0	0	0
37	L-10	Structure Installation	Truck - Water 4 K	Diesel	300	2	2026	4	40	160	95	152	8	vendor	0	0	0	0	11.81022	1.193615	0	0	0
38	L-11	Conductor Installation	Jet Fuel Truck	Diesel	300	1	2026	2	60	120	95	114	6	vendor	0	0	0	0	8.857667	0.895211	0	0	0
39	L-11	Conductor Installation	Pickup - 1/2 ton	Gasoline	395	4	2026	8	40	320	95	304	16	passenger	0	0	0	0	23.62045	2.38723	0	0	0
40	L-11	Conductor Installation	Pickup - 1 Ton	Diesel	410	4	2026	8	40	320	95	304	16	passenger	0	0	0	0	23.62045	2.38723	0	0	0
41	L-11	Conductor Installation	Truck - Water 4 K	Diesel	300	2	2026	4	40	160	95	152	8	vendor	0	0	0	0	11.81022	1.193615	0	0	0
42	L-12	Transition Structure Foundation Installation	Truck - Concrete	Diesel	425	1	2026	2	60	120	95	114	6	hhd	0	0	0	0	8.857667	0.895211	0	0	0
43	L-15	Southern Transition Approach Construction	Truck - Dump 10-12 Yd	Diesel	415	4	2026	8	40	320	95	304	16	hhd	0	0	0	0	23.62045	2.38723	0	0	0
44	L-15	Southern Transition Approach Construction	Onshore Trucks	Diesel	300	4	2026	8	60	480	95	456	24	vendor	0	0	0	0	35.43067	3.580845	0	0	0
45	L-16	Substation Getaways	Pickup - 1/2 Ton	Gasoline	395	4	2026	8	40	320	95	304	16	passenger	0	0	0	0	23.62045	2.38723	0	0	0
46	L-16	Substation Getaways	Pickup - 1 Ton	Diesel	410	4	2026	8	40	320	95	304	16	passenger	0	0	0	0	23.62045	2.38723	0	0	0
47	L-16	Substation Getaways	Welding Truck	Diesel	395	2	2026	4	40	160	95	152	8	vendor	0	0	0	0	11.81022	1.193615	0	0	0
48	P-17	Distribution Extension to Substation	Pickup - 1/2 ton	Gasoline	395	2	2026	4	40	160	95	152	8	passenger	0	0	0	0	11.81022	1.193615	0	0	0
49	P-17	Distribution Extension to Substation	Pickup - 1 Ton	Diesel	410	2	2026	4	60	240	95	228	12	passenger	0	0	0	0	17.17533	1.790423	0	0	0
50	P-17	Distribution Extension to Substation	Truck - Dump 10-12 Yd	Diesel	415	2	2026	4	40	160	95	152	8	hhd	0	0	0	0	11.81022	1.193615	0	0	0
51	P-17	Distribution Extension to Substation	Truck - Concrete	Diesel	425	4	2026	8	60	480	95	456	24	hhd	0	0	0	0	35.43067	3.580845	0	0	0
52	L-18	Fiber Extension to Substation	Truck - Dump 10-12 Yd	Diesel	415	3	2026	6	40	240	95	228	12	hhd	0	0	0	0	17.17533	1.790423	0	0	0
53	L-18	Fiber Extension to Substation	Pickup - 1 Ton	Diesel	410	3	2026	6	40	240	95	228	12	passenger	0	0	0	0	17.17533	1.790423	0	0	0
54	L-18	Fiber Extension to Substation	Truck - Concrete	Diesel	425	2	2026	4	60	240	95	228	12	hhd	0	0	0	0	17.17533	1.790423	0	0	0
55	L-18	Fiber Extension to Substation	Truck - Water 4 K	Diesel	300	0	2026	0	40	0	95	0	0	vendor	0	0	0	0	0	0	0	0	0
56	P-19	Vaca Dixon, Tesla, and Pittsburg Substation Upgrades	Pickup - 1/2 Ton	Gasoline	395	4	2026	8	40	320	95	304	16	passenger	0	0	0	0	23.62045	2.38723	0	0	0
57	P-19	Vaca Dixon, Tesla, and Pittsburg Substation Upgrades	Pickup - 1 Ton	Diesel	410	4	2026	8	60	480	95	456	24	passenger	0	0	0	0	35.43067	3.580845			

Table 26: On-Road Uncontrolled Dust Emissions (tons)

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
1	L-01	26	0	0	0	0	0.153533	0.015517	0	0	0
2	L-02	76	0	0	0	0	0.897577	0.090715	0	0	0
3	L-02	76	0	0	0	0	1.121971	0.113393	0	0	0
4	L-02	76	0	0	0	0	0.897577	0.090715	0	0	0
5	L-02	76	0	0	0	0	0.897577	0.090715	0	0	0
6	L-02	76	0	0	0	0	0.448788	0.045357	0	0	0
7	L-03	152	0	0	0	0	0.897577	0.090715	0	0	0
8	L-03	152	0	0	0	0	1.795154	0.181429	0	0	0
9	L-03	152	0	0	0	0	1.795154	0.181429	0	0	0
10	L-03	152	0	0	0	0	2.692731	0.272144	0	0	0
11	L-03	152	0	0	0	0	1.346365	0.136072	0	0	0
12	L-04	333	0	0	0	0	3.932804	0.397474	0	0	0
13	L-04	333	0	0	0	0	3.932804	0.397474	0	0	0
14	L-04	333	0	0	0	0	1.966402	0.198737	0	0	0
15	P-05	40	0	0	0	0	0.708613	0.071617	0	0	0
16	P-05	40	0	0	0	0	0.708613	0.071617	0	0	0
17	P-05	40	0	0	0	0	0.354307	0.035808	0	0	0
18	P-05	40	0	0	0	0	0.236204	0.023872	0	0	0
19	P-06	21	0	0	0	0	0.124007	0.012533	0	0	0
20	P-06	21	0	0	0	0	0.186011	0.018799	0	0	0
21	P-06	21	0	0	0	0	0.186011	0.018799	0	0	0
22	P-06	21	0	0	0	0	0.062004	0.006266	0	0	0
23	P-07	20	0	0	0	0	0.059051	0.005968	0	0	0
24	P-07	20	0	0	0	0	0.236204	0.023872	0	0	0
25	P-07	20	0	0	0	0	0.354307	0.035808	0	0	0
26	P-07	20	0	0	0	0	0.177153	0.017904	0	0	0
27	L-08	16	0	0	0	0	0.094482	0.009549	0	0	0
28	L-08	16	0	0	0	0	0.094482	0.009549	0	0	0
29	L-08	16	0	0	0	0	0.094482	0.009549	0	0	0
30	L-08	16	0	0	0	0	0.094482	0.009549	0	0	0
31	L-09	22	0	0	0	0	0.389737	0.039389	0	0	0
32	L-09	22	0	0	0	0	0.259825	0.02626	0	0	0
33	L-09	22	0	0	0	0	0.129912	0.01313	0	0	0

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
34	L-09	22	0	0	0	0	0.129912	0.01313	0	0	0
35	L-10	24	0	0	0	0	0.141723	0.014323	0	0	0
36	L-10	24	0	0	0	0	0.141723	0.014323	0	0	0
37	L-10	24	0	0	0	0	0.141723	0.014323	0	0	0
38	L-11	26	0	0	0	0	0.11515	0.011638	0	0	0
39	L-11	26	0	0	0	0	0.307066	0.031034	0	0	0
40	L-11	26	0	0	0	0	0.307066	0.031034	0	0	0
41	L-11	26	0	0	0	0	0.153533	0.015517	0	0	0
42	L-12	150	0	0	0	0	0.664325	0.067141	0	0	0
43	L-15	138	0	0	0	0	1.629811	0.164719	0	0	0
44	L-15	138	0	0	0	0	2.444716	0.247078	0	0	0
45	L-16	70	0	0	0	0	0.826716	0.083553	0	0	0
46	L-16	70	0	0	0	0	0.826716	0.083553	0	0	0
47	L-16	70	0	0	0	0	0.413358	0.041777	0	0	0
48	P-17	51	0	0	0	0	0.301161	0.030437	0	0	0
49	P-17	51	0	0	0	0	0.451741	0.045656	0	0	0
50	P-17	51	0	0	0	0	0.301161	0.030437	0	0	0
51	P-17	51	0	0	0	0	0.903482	0.091312	0	0	0
52	L-18	103	0	0	0	0	0.91234	0.092207	0	0	0
53	L-18	103	0	0	0	0	0.91234	0.092207	0	0	0
54	L-18	103	0	0	0	0	0.91234	0.092207	0	0	0
55	L-18	103	0	0	0	0	0	0	0	0	0
56	P-19	102	0	0	0	0	1.204643	0.121749	0	0	0
57	P-19	102	0	0	0	0	1.806964	0.182623	0	0	0
58	P-19	102	0	0	0	0	0.903482	0.091312	0	0	0
59	L-20	174	0	0	0	0	2.054979	0.207689	0	0	0
60	L-20	174	0	0	0	0	2.054979	0.207689	0	0	0
61	L-20	174	0	0	0	0	0.513745	0.051922	0	0	0
62	L-21	140	0	0	0	0	1.653431	0.167106	0	0	0
63	L-21	140	0	0	0	0	0.826716	0.083553	0	0	0
64	L-21	140	0	0	0	0	1.653431	0.167106	0	0	0
65	L-21	140	0	0	0	0	0.826716	0.083553	0	0	0
66	L-01	26	0	0	0	0	0.004128	0.001032	0	0	0

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
67	L-02	76	0	0	0	0	0.036199	0.00905	0	0	0
68	L-03	152	0	0	0	0	0.241329	0.060332	0	0	0
69	L-04	333	0	0	0	0	0.396525	0.099131	0	0	0
70	P-05	40	0	0	0	0	0.023815	0.005954	0	0	0
71	P-06	21	0	0	0	0	0.012503	0.003126	0	0	0
72	P-07	20	0	0	0	0	0.023815	0.005954	0	0	0
73	L-08	16	0	0	0	0	0.007621	0.001905	0	0	0
74	L-09	22	0	0	0	0	0.010479	0.00262	0	0	0
75	L-10	24	0	0	0	0	0.011431	0.002858	0	0	0
76	L-11	26	0	0	0	0	0.03096	0.00774	0	0	0
77	L-12	150	0	0	0	0	0.119077	0.029769	0	0	0
78	L-13	25	0	0	0	0	0.019846	0.004962	0	0	0
79	L-14	147	0	0	0	0	0.145869	0.036467	0	0	0
80	L-15	138	0	0	0	0	0.136938	0.034235	0	0	0
81	L-16	70	0	0	0	0	0.055569	0.013892	0	0	0
82	P-17	51	0	0	0	0	0.020243	0.005061	0	0	0
83	L-18	103	0	0	0	0	0.04906	0.012265	0	0	0
84	P-19	102	0	0	0	0	0.060729	0.015182	0	0	0
85	L-20	174	0	0	0	0	0.165755	0.041439	0	0	0

Table 27: On-Road Controlled Daily Dust Emissions (pounds/day)

Count	Activity Index	Activity Name	Equipment Name	Fuel Type	HP	Quantity	Year	Trips/Day	Trip Length	VMT	Paved Percent	Paved VMT	Unpaved VMT	On Type	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
1	L-01	Survey	Pickup - 1/2 Ton	Gasoline	395	2	2026	4	40	160	95	152	8	passenger	0	0	0	0	3.05139	0.319595	0	0	0
2	L-02	Site Development/Staging Yards	Truck - Water 4 K	Diesel	300	4	2026	8	40	320	95	304	16	vendor	0	0	0	0	6.102781	0.639189	0	0	0
3	L-02	Site Development/Staging Yards	Truck - Dump 10-12 Yd	Diesel	415	5	2026	10	40	400	95	380	20	hhdtd	0	0	0	0	7.628476	0.798986	0	0	0
4	L-02	Site Development/Staging Yards	Pickup - 1/2 Ton	Gasoline	395	4	2026	8	40	320	95	304	16	passenger	0	0	0	0	6.102781	0.639189	0	0	0
5	L-02	Site Development/Staging Yards	Pickup - 1 Ton	Diesel	410	4	2026	8	40	320	95	304	16	passenger	0	0	0	0	6.102781	0.639189	0	0	0
6	L-02	Site Development/Staging Yards	Semi Truck	Diesel	500	2	2026	4	40	160	95	152	8	hhdtd	0	0	0	0	3.05139	0.319595	0	0	0
7	L-03	Below-Grade Construction	Truck - Water 4 K	Diesel	300	2	2026	4	40	160	95	152	8	vendor	0	0	0	0	3.05139	0.319595	0	0	0
8	L-03	Below-Grade Construction	Pickup - 1/2 Ton	Gasoline	395	4	2026	8	40	320	95	304	16	passenger	0	0	0	0	6.102781	0.639189	0	0	0
9	L-03	Below-Grade Construction	Pickup - 1 Ton	Diesel	410	4	2026	8	40	320	95	304	16	passenger	0	0	0	0	6.102781	0.639189	0	0	0
10	L-03	Below-Grade Construction	Truck - Concrete	Diesel	425	4	2026	8	60	480	95	456	24	hhdtd	0	0	0	0	9.154171	0.958784	0	0	0
11	L-03	Below-Grade Construction	Truck - Dump 10-12 Yd	Diesel	415	3	2026	6	40	240	95	228	12	hhdtd	0	0	0	0	4.577085	0.479392	0	0	0
12	L-04	Above-Grade Construction	Pickup - 1/2 Ton	Gasoline	395	4	2026	8	40	320	95	304	16	passenger	0	0	0	0	6.102781	0.639189	0	0	0
13	L-04	Above-Grade Construction	Pickup - 1 Ton	Diesel	410	4	2026	8	40	320	95	304	16	passenger	0	0	0	0	6.102781	0.639189	0	0	0
14	L-04	Above-Grade Construction	Welding Truck	Diesel	395	2	2026	4	40	160	95	152	8	vendor	0	0	0	0	3.05139	0.319595	0	0	0
15	P-05	Foundation Installation	Truck - Concrete	Diesel	425	4	2026	8	60	480	95	456	24	hhdtd	0	0	0	0	9.154171	0.958784	0	0	0
16	P-05	Foundation Installation	Pickup - 1 Ton	Diesel	410	4	2026	8	60	480	95	456	24	passenger	0	0	0	0	9.154171	0.958784	0	0	0
17	P-05	Foundation Installation	Truck - Water 4 K	Diesel	300	2	2026	4	60	240	95	228	12	vendor	0	0	0	0	4.577085	0.479392	0	0	0
18	P-05	Foundation Installation	Truck - Dump 10-12 Yd	Diesel	415	2	2026	4	40	160	95	152	8	hhdtd	0	0	0	0	3.05139	0.319595	0	0	0
19	P-06	Structure Installation	Pickup - 1/2 Ton	Gasoline	395	2	2026	4	40	160	95	152	8	passenger	0	0	0	0	3.05139	0.319595	0	0	0
20	P-06	Structure Installation	Pickup - 1 ton	Diesel	410	2	2026	4	60	240	95	228	12	passenger	0	0	0	0	4.577085	0.479392	0	0	0
21	P-06	Structure Installation	Truck - Water 4 K	Diesel	300	2	2026	4	60	240	95	228	12	vendor	0	0	0	0	4.577085	0.479392	0	0	0
22	P-06	Structure Installation	Jet Fuel Truck	Diesel	300	1	2026	2	40	80	95	76	4	vendor	0	0	0	0	1.525695	0.159797	0	0	0
23	P-07	Conductor Installation	Jet Fuel Truck	Diesel	300	1	2026	2	40	80	95	76	4	vendor	0	0	0	0	1.525695	0.159797	0	0	0
24	P-07	Conductor Installation	Pickup - 1/2 ton	Gasoline	395	4	2026	8	40	320	95	304	16	passenger	0	0	0	0	6.102781	0.639189	0	0	0
25	P-07	Conductor Installation	Pickup - 1 Ton	Diesel	410	4	2026	8	60	480	95	456	24	passenger	0	0	0	0	9.154171	0.958784	0	0	0
26	P-07	Conductor Installation	Truck - Water 4 K	Diesel	300	2	2026	4	60	240	95	228	12	vendor	0	0	0	0	4.577085	0.479392	0	0	0
27	L-08	Access Road Construction	Pickup - 1/2 ton	Gasoline	395	2	2026	4	40	160	95	152	8	passenger	0	0	0	0	3.05139	0.319595	0	0	0
28	L-08	Access Road Construction	Pickup - 1 ton	Diesel	410	2	2026	4	60	160	95	152	8	passenger	0	0	0	0	3.05139	0.319595	0	0	0
29	L-08	Access Road Construction	Truck - Dump 10-12 Yd	Diesel	415	2	2026	4	40	160	95	152	8	hhdtd	0	0	0	0	3.05139	0.319595	0	0	0
30	L-08	Access Road Construction	Truck - Water 4 K	Diesel	300	2	2026	4	60	160	95	152	8	vendor	0	0	0	0	3.05139	0.319595	0	0	0
31	L-09	Foundation Installation	Truck - Concrete	Diesel	425	4	2026	8	60	480	95	456	24	hhdtd	0	0	0	0	9.154171	0.958784	0	0	0
32	L-09	Foundation Installation	Pickup - 1 Ton	Diesel	410	4	2026	8	40	320	95	304	16	passenger	0	0	0	0	6.102781	0.639189	0	0	0
33	L-09	Foundation Installation	Truck - Water 4 K	Diesel	300	2	2026	4	40	160	95	152	8	vendor	0	0	0	0	3.05139	0.319595	0	0	0
34	L-09	Foundation Installation	Truck - Dump 10-12 Yd	Diesel	415	2	2026	4	40	160	95	152	8	hhdtd	0	0	0	0	3.05139	0.319595	0	0	0
35	L-10	Structure Installation	Pickup - 1/2 ton	Gasoline	395	2	2026	4	40	160	95	152	8	passenger	0	0	0	0	3.05139	0.319595	0	0	0
36	L-10	Structure Installation	Pickup - 1 ton	Diesel	410	2	2026	4	60	160	95	152	8	passenger	0	0	0	0	3.05139	0.319595	0	0	0
37	L-10	Structure Installation	Truck - Water 4 K	Diesel	300	2	2026	4	40	160	95	152	8	vendor	0	0	0	0	3.05139	0.319595	0	0	0
38	L-11	Conductor Installation	Jet Fuel Truck	Diesel	300	1	2026	2	60	120	95	114	6	vendor	0	0	0	0	2.288543	0.239696	0	0	0
39	L-11	Conductor Installation	Pickup - 1/2 ton	Gasoline	395	4	2026	8	40	320	95	304	16	passenger	0	0	0	0	6.102781	0.639189	0	0	0
40	L-11	Conductor Installation	Pickup - 1 Ton	Diesel	410	4	2026	8	40	320	95	304	16	passenger	0	0	0	0	6.102781	0.639189	0	0	0
41	L-11	Conductor Installation	Truck - Water 4 K	Diesel	300	2	2026	4	40	160	95	152	8	vendor	0	0	0	0	3.05139	0.319595	0	0	0
42	L-12	Transition Structure Foundation Installation	Truck - Concrete	Diesel	425	1	2026	2	60	120	95	114	6	hhdtd	0	0	0	0	3.288543	0.239696	0	0	0
43	L-15	Southern Transition Approach Construction	Truck - Dump 10-12 Yd	Diesel	415	4	2026	8	40	320	95	304	16	hhdtd	0	0	0	0	6.102781	0.639189	0	0	0
44	L-15	Southern Transition Approach Construction	Onshore Trucks	Diesel	300	4	2026	8	60	480	95	456	24	vendor	0	0	0	0	9.154171	0.958784	0	0	0
45	L-16	Substation Getaways	Pickup - 1/2 Ton	Gasoline	395	4	2026	8	40	320	95	304	16	passenger	0	0	0	0	6.102781	0.639189	0	0	0
46	L-16	Substation Getaways	Pickup - 1 Ton	Diesel	410	4	2026	8	40	320	95	304	16	passenger	0	0	0	0	6.102781	0.639189	0	0	0
47	L-16	Substation Getaways	Welding Truck	Diesel	395	2	2026	4	40	160	95	152	8	vendor	0	0	0	0	3.05139	0.319595	0	0	0
48	P-17	Distribution Extension to Substation	Pickup - 1/2 ton	Gasoline	395	2	2026	4	40	160	95	152	8	passenger	0	0	0	0	3.05139	0.319595	0	0	0
49	P-17	Distribution Extension to Substation	Pickup - 1 Ton	Diesel	410	2	2026	4	60	240	95	228	12	passenger	0	0	0	0	4.577085	0.479392	0	0	0
50	P-17	Distribution Extension to Substation	Truck - Dump 10-12 Yd	Diesel	415	2	2026	4	40	160	95	152	8	hhdtd	0	0	0	0	3.05139	0.319595	0	0	0
51	P-17	Distribution Extension to Substation	Truck - Concrete	Diesel	425	4	2026	8	60	480	95	456	24	hhdtd	0	0	0	0	9.154171	0.958784	0	0	0
52	L-18	Fiber Extension to Substation	Truck - Dump 10-12 Yd	Diesel	415	3	2026	6	40	240	95	228	12	hhdtd	0	0	0	0	4.577085	0.479392	0	0	0
53	L-18	Fiber Extension to Substation	Pickup - 1 Ton	Diesel	410	3	2026	6	40	240	95	228	12	passenger	0	0	0	0	4.577085	0.479392	0	0	0
54	L-18	Fiber Extension to Substation	Truck - Concrete	Diesel	425	2	2026	4	60	240	95	228	12	hhdtd	0	0	0	0	4.577085	0.479392	0	0	0
55	L-18	Fiber Extension to Substation	Truck - Water 4 K	Diesel	300	0	2026	0	40	0	95	0	0	vendor	0	0	0	0	0	0	0	0	0
56	P-19	Vaca Dixon, Tesla, and Pittsburg Substation Upgrades	Pickup - 1/2 Ton	Gasoline	395	4	2026	8	40	320	95	304	16	passenger	0	0	0	0	6.102781	0.639189	0	0	0
57	P-19	Vaca Dixon, Tesla, and Pittsburg Substation Upgrades	Pickup - 1 Ton	Diesel	410	4	2026	8	60	480	95	456	24	passenger	0	0	0	0	9.154171	0.958784	0	0	0
58	P-19	Vaca Dixon, Tesla, and Pittsburg Substation Upgrades	Welding Truck	Diesel	395	2	2026	4	60	240	95	228	12	vendor	0	0	0	0	4.577085	0.479392	0	0	0
59	L-20	Commissioning and Testing	Pickup - 1/2 Ton	Gasoline	395	4	2026	8	40	320	95	304	16	passenger	0	0	0	0	6.102781	0.639189	0	0	0
60	L-20	Commissioning and Testing	Pickup - 1 Ton	Diesel	410	4	2026	8	40	320	95	304	16	passenger	0	0	0	0	6.102781	0.639189	0	0	0
61	L-20	Commissioning and Testing	Truck - Water 4 K	Diesel	300	1	2026	2	40	80	95	76	4	vendor	0	0	0	0	1.525695	0.159797	0	0	0
62	L-21	Cleanup and Restoration	Pickup - 1 Ton	Diesel	410	4	2026	8	40	320	95	304	16	passenger	0	0	0	0	6.102781	0.639189	0	0	0
63	L-21	Cleanup and Restoration	Truck - Water 4 K	Diesel	300	2	2026	4	40	160	95	152	8	vendor	0	0	0	0	3.05139	0.319595	0	0	0
64	L-21	Cleanup and Restoration	Pickup - 1/2 Ton	Gasoline	395	4	2026	8	40	320	95	304	16	passenger	0	0	0	0	6.102781	0.639189	0	0	0
65	L-21	Cleanup and Restoration	Truck - Dump 10-12 Yd	Diesel	415	2	2026	4	40	160	95	152	8	hhdtd	0	0							

Table 28: On-Road Controlled Dust Emissions (tons)

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
1	L-01	26	0	0	0	0	0.039668	0.004155	0	0	0
2	L-02	76	0	0	0	0	0.231906	0.024289	0	0	0
3	L-02	76	0	0	0	0	0.289882	0.030361	0	0	0
4	L-02	76	0	0	0	0	0.231906	0.024289	0	0	0
5	L-02	76	0	0	0	0	0.231906	0.024289	0	0	0
6	L-02	76	0	0	0	0	0.115953	0.012145	0	0	0
7	L-03	152	0	0	0	0	0.231906	0.024289	0	0	0
8	L-03	152	0	0	0	0	0.463811	0.048578	0	0	0
9	L-03	152	0	0	0	0	0.463811	0.048578	0	0	0
10	L-03	152	0	0	0	0	0.695717	0.072868	0	0	0
11	L-03	152	0	0	0	0	0.347858	0.036434	0	0	0
12	L-04	333	0	0	0	0	1.016113	0.106425	0	0	0
13	L-04	333	0	0	0	0	1.016113	0.106425	0	0	0
14	L-04	333	0	0	0	0	0.508056	0.053212	0	0	0
15	P-05	40	0	0	0	0	0.183083	0.019176	0	0	0
16	P-05	40	0	0	0	0	0.183083	0.019176	0	0	0
17	P-05	40	0	0	0	0	0.091542	0.009588	0	0	0
18	P-05	40	0	0	0	0	0.061028	0.006392	0	0	0
19	P-06	21	0	0	0	0	0.03204	0.003356	0	0	0
20	P-06	21	0	0	0	0	0.048059	0.005034	0	0	0
21	P-06	21	0	0	0	0	0.048059	0.005034	0	0	0
22	P-06	21	0	0	0	0	0.01602	0.001678	0	0	0
23	P-07	20	0	0	0	0	0.015257	0.001598	0	0	0
24	P-07	20	0	0	0	0	0.061028	0.006392	0	0	0
25	P-07	20	0	0	0	0	0.091542	0.009588	0	0	0
26	P-07	20	0	0	0	0	0.045771	0.004794	0	0	0
27	L-08	16	0	0	0	0	0.024411	0.002557	0	0	0
28	L-08	16	0	0	0	0	0.024411	0.002557	0	0	0
29	L-08	16	0	0	0	0	0.024411	0.002557	0	0	0
30	L-08	16	0	0	0	0	0.024411	0.002557	0	0	0
31	L-09	22	0	0	0	0	0.100696	0.010547	0	0	0
32	L-09	22	0	0	0	0	0.067131	0.007031	0	0	0
33	L-09	22	0	0	0	0	0.033565	0.003516	0	0	0

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
34	L-09	22	0	0	0	0	0.033565	0.003516	0	0	0
35	L-10	24	0	0	0	0	0.036617	0.003835	0	0	0
36	L-10	24	0	0	0	0	0.036617	0.003835	0	0	0
37	L-10	24	0	0	0	0	0.036617	0.003835	0	0	0
38	L-11	26	0	0	0	0	0.029751	0.003116	0	0	0
39	L-11	26	0	0	0	0	0.079336	0.008309	0	0	0
40	L-11	26	0	0	0	0	0.079336	0.008309	0	0	0
41	L-11	26	0	0	0	0	0.039668	0.004155	0	0	0
42	L-12	150	0	0	0	0	0.171641	0.017977	0	0	0
43	L-15	138	0	0	0	0	0.421092	0.044104	0	0	0
44	L-15	138	0	0	0	0	0.631638	0.066156	0	0	0
45	L-16	70	0	0	0	0	0.213597	0.022372	0	0	0
46	L-16	70	0	0	0	0	0.213597	0.022372	0	0	0
47	L-16	70	0	0	0	0	0.106799	0.011186	0	0	0
48	P-17	51	0	0	0	0	0.07781	0.00815	0	0	0
49	P-17	51	0	0	0	0	0.116716	0.012224	0	0	0
50	P-17	51	0	0	0	0	0.07781	0.00815	0	0	0
51	P-17	51	0	0	0	0	0.233431	0.024449	0	0	0
52	L-18	103	0	0	0	0	0.23572	0.024689	0	0	0
53	L-18	103	0	0	0	0	0.23572	0.024689	0	0	0
54	L-18	103	0	0	0	0	0.23572	0.024689	0	0	0
55	L-18	103	0	0	0	0	0	0	0	0	0
56	P-19	102	0	0	0	0	0.311242	0.032599	0	0	0
57	P-19	102	0	0	0	0	0.466863	0.048898	0	0	0
58	P-19	102	0	0	0	0	0.233431	0.024449	0	0	0
59	L-20	174	0	0	0	0	0.530942	0.055609	0	0	0
60	L-20	174	0	0	0	0	0.530942	0.055609	0	0	0
61	L-20	174	0	0	0	0	0.132735	0.013902	0	0	0
62	L-21	140	0	0	0	0	0.427195	0.044743	0	0	0
63	L-21	140	0	0	0	0	0.213597	0.022372	0	0	0
64	L-21	140	0	0	0	0	0.427195	0.044743	0	0	0
65	L-21	140	0	0	0	0	0.213597	0.022372	0	0	0
66	L-01	26	0	0	0	0	0.004128	0.001032	0	0	0

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
67	L-02	76	0	0	0	0	0.036199	0.00905	0	0	0
68	L-03	152	0	0	0	0	0.241329	0.060332	0	0	0
69	L-04	333	0	0	0	0	0.396525	0.099131	0	0	0
70	P-05	40	0	0	0	0	0.023815	0.005954	0	0	0
71	P-06	21	0	0	0	0	0.012503	0.003126	0	0	0
72	P-07	20	0	0	0	0	0.023815	0.005954	0	0	0
73	L-08	16	0	0	0	0	0.007621	0.001905	0	0	0
74	L-09	22	0	0	0	0	0.010479	0.00262	0	0	0
75	L-10	24	0	0	0	0	0.011431	0.002858	0	0	0
76	L-11	26	0	0	0	0	0.03096	0.00774	0	0	0
77	L-12	150	0	0	0	0	0.119077	0.029769	0	0	0
78	L-13	25	0	0	0	0	0.019846	0.004962	0	0	0
79	L-14	147	0	0	0	0	0.145869	0.036467	0	0	0
80	L-15	138	0	0	0	0	0.136938	0.034235	0	0	0
81	L-16	70	0	0	0	0	0.055569	0.013892	0	0	0
82	P-17	51	0	0	0	0	0.020243	0.005061	0	0	0
83	L-18	103	0	0	0	0	0.04906	0.012265	0	0	0
84	P-19	102	0	0	0	0	0.060729	0.015182	0	0	0
85	L-20	174	0	0	0	0	0.165755	0.041439	0	0	0

Table 29: Earth Moving Uncontrolled Daily Emissions (pounds/day)

Count	Activity Index	Activity Name	Equipment Name	Fuel Type	Quantity	Hours Per Day	EMModType	EM Type	Acres Graded	Hours Bulldozed	EF_PM10_Grading	EF_PM2.5_Grading	EF_PM10_Bulldozing	EF_PM2.5_Bulldozing	COG	NOX	CO	SO2	PM10	PM2.5	CO2	GH4	N2O
1	L-02	Site Development/Staging Yards	Motor Grader	Diesel	2	10	Graders	grading	0.625	0	1.060500375	0.114509168	0.752760759	0.413778428	0	0	0	0	0.662813	0.071568	0	0	0
2	L-02	Site Development/Staging Yards	Scraper	Diesel	4	10	Scrapers	grading	1.25	0	1.060500375	0.114509168	0.752760759	0.413778428	0	0	0	0	1.325625	0.143136	0	0	0
3	P-05	Foundation Installation	Motor Grader	Diesel	1	10	Graders	grading	0.625	0	1.060500375	0.114509168	0.752760759	0.413778428	0	0	0	0	0.662813	0.071568	0	0	0
4	P-05	Foundation Installation	D6 Type Dozer	Diesel	1	10	Rubber Tired Dozers	bulldozing	0	10	1.060500375	0.114509168	0.752760759	0.413778428	0	0	0	0	7.527608	4.137784	0	0	0
5	L-08	Access Road Construction	Motor Grader	Diesel	1	10	Graders	grading	0.625	0	1.060500375	0.114509168	0.752760759	0.413778428	0	0	0	0	0.662813	0.071568	0	0	0
6	L-08	Access Road Construction	D6 Type Dozer	Diesel	1	10	Rubber Tired Dozers	bulldozing	0	10	1.060500375	0.114509168	0.752760759	0.413778428	0	0	0	0	7.527608	4.137784	0	0	0
7	L-21	Cleanup and Restoration	Motor Grader	Diesel	2	10	Graders	grading	0.625	0	1.060500375	0.114509168	0.752760759	0.413778428	0	0	0	0	0.662813	0.071568	0	0	0
8	L-21	Cleanup and Restoration	D6 Type Dozer	Diesel	1	10	Rubber Tired Dozers	bulldozing	0	10	1.060500375	0.114509168	0.752760759	0.413778428	0	0	0	0	7.527608	4.137784	0	0	0

Table 30: Earth Moving Uncontrolled Emissions (tons)

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
1	L-02	76	0	0	0	0	0.025187	0.00272	0	0	0
2	L-02	76	0	0	0	0	0.050374	0.005439	0	0	0
3	P-05	40	0	0	0	0	0.013256	0.001431	0	0	0
4	P-05	40	0	0	0	0	0.150552	0.082756	0	0	0
5	L-08	16	0	0	0	0	0.005303	0.000573	0	0	0
6	L-08	16	0	0	0	0	0.060221	0.033102	0	0	0
7	L-21	140	0	0	0	0	0.046397	0.00501	0	0	0
8	L-21	140	0	0	0	0	0.526933	0.289645	0	0	0

Table 31: Earth Moving Controlled Daily Emissions (pounds/day)

Count	Activity Index	Activity Name	Equipment Name	Fuel Type	Quantity	Hours Per Day	GHGEModType	EM Type	Acres Graded	Hours Bulldozed	EF_PM10_Grading	EF_PM2.5_Grading	EF_PM10_Bulldozing	EF_PM2.5_Bulldozing	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
1	L-02	Site Development/Staging Yards	Motor Grader	Diesel	2	10	Graders	grading	0.625	0	0.413595146	0.044658576	0.293576696	0.161373587	0	0	0	0	0.258497	0.027912	0	0	0
2	L-02	Site Development/Staging Yards	Scraper	Diesel	4	10	Scrapers	grading	1.25	0	0.413595146	0.044658576	0.293576696	0.161373587	0	0	0	0	0.516994	0.055823	0	0	0
3	P-05	Foundation Installation	Motor Grader	Diesel	1	10	Graders	grading	0.625	0	0.413595146	0.044658576	0.293576696	0.161373587	0	0	0	0	0.258497	0.027912	0	0	0
4	P-05	Foundation Installation	D6 Type Dozer	Diesel	1	10	Rubber Tired Dozers	bulldozing	0	10	0.413595146	0.044658576	0.293576696	0.161373587	0	0	0	0	2.935767	1.613736	0	0	0
5	L-08	Access Road Construction	Motor Grader	Diesel	1	10	Graders	grading	0.625	0	0.413595146	0.044658576	0.293576696	0.161373587	0	0	0	0	0.258497	0.027912	0	0	0
6	L-08	Access Road Construction	D6 Type Dozer	Diesel	1	10	Rubber Tired Dozers	bulldozing	0	10	0.413595146	0.044658576	0.293576696	0.161373587	0	0	0	0	2.935767	1.613736	0	0	0
7	L-21	Cleanup and Restoration	Motor Grader	Diesel	2	10	Graders	grading	0.625	0	0.413595146	0.044658576	0.293576696	0.161373587	0	0	0	0	0.258497	0.027912	0	0	0
8	L-21	Cleanup and Restoration	D6 Type Dozer	Diesel	1	10	Rubber Tired Dozers	bulldozing	0	10	0.413595146	0.044658576	0.293576696	0.161373587	0	0	0	0	2.935767	1.613736	0	0	0

Table 32: Earth Moving Controlled Emissions (tons)

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
1	L-02	76	0	0	0	0	0.009823	0.001061	0	0	0
2	L-02	76	0	0	0	0	0.019646	0.002121	0	0	0
3	P-05	40	0	0	0	0	0.00517	0.000558	0	0	0
4	P-05	40	0	0	0	0	0.058715	0.032275	0	0	0
5	L-08	16	0	0	0	0	0.002068	0.000223	0	0	0
6	L-08	16	0	0	0	0	0.023486	0.01291	0	0	0
7	L-21	140	0	0	0	0	0.018095	0.001954	0	0	0
8	L-21	140	0	0	0	0	0.205504	0.112962	0	0	0

Table 33: Heavy-Duty Helicopter Emissions

Helicopter Model	Sikorsky Black Hawk		
Engine Type	T700-GE-700		
Fuel S Content by Weight	0.3 %		
Fuel Burn Rate	164 gal/hr		
Jet Fuel density	7 lbs/gal		
Fuel Type	Jet Fuel A		
High Heat Value	0.135	kg CO2/MMBtu	(ARB 2012)
CO2 emission factor	72.22	MMBtu/gal	(ARB 2012)

	Fuel (kg)	NOx (g)	HC	CO	PM	Fugitive PM
LTO	73	575.3	571	724.9	16.9	1500
Run	507.6	5430	1110	1320	1800	

Activity	Emission Rate						
	HC	CO	NOx	SOx	PM	PM2.5	CO2
Flight (lbs/hr)	2.442	2.904	11.946	0.093	3.960	3.643	3522.486
LTO (lbs)	1.256	1.595	1.266	0.045	3.337	0.727	230.265

Activity	Working Hrs	Emissions lbs/day						
		HC	CO	NOx	SOx	PM	PM2.5	CO2
Flight	3	7.326	8.712	35.838	0.279	11.880	7.286	10567.459
LTO	2	1.256	1.595	1.266	0.045	3.337	0.727	230.265
TOTAL		8.582	10.307	37.104	0.324	15.217	8.014	10797.724

Construction Phase	Working Days	Emissions tons						MT
		HC	CO	NOx	SOx	PM	PM2.5	CO2
P-06	21	0.090	0.108	0.390	0.003	0.160	0.084	113.376

NOTES:

California Air Resources Board (ARB). 2012. Regulation for the Mandatory Reporting of Greenhouse Gas Emissions. Petroleum Fuels. Section 95115(c)(1)
 Ref: Swiss Confederation, DETEC and FOCA "Guidance on the Determination of Helicopter Emissions", 2015
 Engine T700-GI-700

Fugitive dust estimates from Emission Factor Source: `

Fugitive dust estimates from Emission Factor Source: Dr. J. A. Gillies et. al. December 31, 2007. Particulate Matter Emissions for Dust from Unique Military Activities.

Table 34: Light-Duty Helicopter Emissions

Helicopter Model	Hughes 500	
Engine Type	DDA250-C18	
Fuel S Content by Weight	0.3 %	
Fuel Burn Rate	32 gal/hr	
Jet Fuel density	7 lbs/gal	
Fuel Type	Jet Fuel A	
High Heat Value	0.135	kg CO2/MMBtu (ARB 2012)
CO2 emission factor	72.22	MMBtu/gal (ARB 2012)

	Fuel (kg)	NOx (g)	HC	CO	PM	Fugitive PM
LTO	16.4	59.5	438.2	571.2	2.3	1500
Run	98.8	480	960	1200	16	

Activity	Emission Rate						
	HC	CO	NOx	SOx	PM10	PM2.5	CO2
Flight (lbs/hr)	2.112	2.640	1.056	0.018	0.035	0.032	685.622
LTO (lbs)	0.964	1.257	0.131	0.010	3.305	0.698	51.731

Activity	Working Hrs	Emissions lbs/day						
		HC	CO	NOx	SOx	PM10	PM2.5	CO2
Flight	8	16.896	21.120	8.448	0.145	0.282	0.065	5484.975
LTO	2	0.964	1.257	0.131	0.010	3.305	0.698	51.731
TOTAL		17.860	22.377	8.579	0.155	3.587	0.762	5536.706

Construction Phase	Working Days	Emissions tons						MT
		HC	CO	NOx	SOx	PM10	PM2.5	CO2
P-07	20	0.179	0.224	0.086	0.002	0.036	0.008	55.367
L-11	26	0.232	0.291	0.112	0.002	0.047	0.010	71.977

NOTES:

California Air Resources Board (ARB). 2012. Regulation for the Mandatory Reporting of Greenhouse Gas Emissions. Petroleum Fuels. Section 95115(c)(1)
 Ref: Swiss Confederation, DETEC and FOCA "Guidance on the Determination of Helicopter Emissions", 2015
 Engine DDA250-C18

Fugitive dust estimates from Emission Factor Source: Dr. J. A. Gillies et. al. December 31, 2007. Particulate Matter Emissions for Dust from Unique Military Activities.
 ARB's CEIDARS database PM2.5 fractions - construction dust category for fugitive and diesel vehicle exhaust category for combustion.

Table 35: Electrical Consumption Emission Factors

Utility	Year	CO2	CH4	N2O	SF6
PG&E	2028	203.983	0.033	0.004	0

Units in lbs/MWh

Table 36: Annual Electrical Consumption GHG Emissions

Facility	Use (kW)	CO2	CH4	N2O	SF6	CO2e
Collinsville Substation	385400	35.659157	0.0057689	0.0006993	0	36.011758
Collinsville (Modified)	420440	38.901235	0.0062934	0.0007628	0	992.33287

Units in metric tons

Table 37: SF6 Emissions (metric tons/year)

Substation	Feature	Quantity	SF6 (each)	Total Volume	Leak Rate	Annual Emissions	CO2e
Collinsville	230 kV CB	6	135	810	0.1	0.00037	8.634133
Collinsville	230 kV Pipe	1	8932	8932	0.1	0.00405	95.20997
Collinsville	500 kV CB	6	595	3570	0.2	0.00324	76.10829
Collinsville	500 kV Pipe	1	1597	1597	0.2	0.00145	34.0462
Total				14909		0.00911	213.9986

Table 38: SF6 Emissions (metric tons/year) Post Modification

Substation	Feature	Quantity	SF6 (each)	Total Volume	Leak Rate	Annual Emissions	CO2e
Collinsville	230 kV CB	15	135	2025	0.1	0.00092	21.58533
Collinsville	230 kV Pipe	1	8932	8932	0.1	0.00405	95.20997
Collinsville	500 kV CB	12	595	7140	0.2	0.00648	152.2166
Collinsville	500 kV Pipe	1	1597	1597	0.2	0.00145	34.0462
Total				19694		0.01290	303.0581

Table 39: O&M Uncontrolled Annual Emissions (tons)

Equipment Name	Fuel Type	Trips	Year	Trip Length	VMT	Paved Percent	Paved VMT	Unpaved VMT	On Type	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O	CO2e	CO2e Metric Tons
1-Ton Truck, 4x4	Diesel	60	2026	120	7200	95	6840	360	passenger	0.0012670	0.0068048	0.0075944	0.0000258	0.0011560	0.0010162	2.726548	5.88E-05	0.00043	2.85603071	2.59094822

Notes:

LSPGC Proposed Project components would require up to 60 trips per year, with a typical round-trip length of 120 miles

PG&E Proposed Project components would be covered by PG&E's existing O&M activities in the region

Table 40: Total Uncontrolled Daily Emissions (pounds/day)

Index	Name	ROG	NOX	CO	SO2	PM10 Exh	PM10 Dust	PM10 Tot	PM2.5 Exh	PM2.5 Dus	PM2.5 Tot	CO2	CH4	N2O
L-01	Survey	0.068258	0.111384	1.40536	0.0043	0.025351	12.12776	12.15311	0.008953	1.272999	1.281952	434.9112	0.007148	0.009827
L-02	Site Development/Staging Yards	6.786826	60.73652	60.99464	0.204299	2.464983	115.1382	117.6032	2.116757	11.7922	13.90896	21687.3	0.732045	0.66819
L-03	Below-Grade Construction	4.198197	34.88978	47.74942	0.149176	2.035125	115.3725	117.4076	1.633812	12.13319	13.767	15689.14	0.426181	0.674416
L-04	Above-Grade Construction	3.140882	25.4656	26.48878	0.068425	1.474694	61.43265	62.90734	1.252636	6.563458	7.816094	6940.564	0.195511	0.191869
P-05	Foundation Installation	3.401243	33.2745	32.35415	0.111426	1.569822	109.7681	111.3379	1.28419	14.65277	15.93696	11893.85	0.328848	0.614115
P-06	Structure Installation	4.413004	27.95927	19.21589	0.148717	4.991112	54.33677	59.32788	2.899679	5.668959	8.568639	9413.058	0.194927	0.220593
P-07	Conductor Installation	9.405479	58.39717	49.4951	0.148896	3.400139	85.05309	88.45323	2.502623	8.950688	11.45331	13661.47	0.404896	0.316045
L-08	Access Road Construction	2.153176	20.90517	19.04959	0.056427	0.942454	56.38392	57.32638	0.793288	9.221966	10.01525	6005.364	0.175194	0.234011
L-09	Foundation Installation	1.599905	15.2676	16.86144	0.074671	0.786069	83.62417	84.41024	0.579253	8.593459	9.172712	7938.641	0.184677	0.530498
L-10	Structure Installation	2.016397	17.30479	15.42281	0.054197	0.805711	36.38328	37.18899	0.691367	3.818998	4.510366	5778.555	0.189332	0.141766
L-11	Conductor Installation	10.97439	68.67069	62.77532	0.17508	3.778422	70.29031	74.06874	2.77764	7.458669	10.23631	15652.38	0.485013	0.297739
L-12	Transition Structure Foundation Installation	7.193848	68.80456	76.9303	0.175144	1.876158	10.44536	12.32151	1.654262	1.292133	2.946396	15023.49	0.551914	0.211209
L-13	Transition Structure Installation	5.865486	56.15609	65.41012	0.136203	1.463213	1.587688	3.050901	1.292266	0.396922	1.689188	11112.13	0.410524	0.11339
L-14	Submarine Cable Installation	8.386943	74.83635	92.01735	0.180606	2.233249	1.98461	4.217858	1.987226	0.496152	2.483379	15343.08	0.572092	0.153525
L-15	Southern Transition Approach Construction	4.455747	38.82051	34.15521	0.122793	2.033753	61.03572	63.06948	1.72035	6.464228	8.184578	12947.75	0.380014	0.497134
L-16	Substation Getaways	3.464309	28.70316	28.3375	0.064226	1.78196	60.6388	62.42076	1.562265	6.364997	7.927262	6544.096	0.199545	0.177033
P-17	Distribution Extension to Substation	2.344622	23.57442	22.01268	0.080091	1.245676	77.56029	78.80597	1.016797	7.956959	8.973756	8542.133	0.228066	0.464485
L-18	Fiber Extension to Substation	2.379415	23.42385	21.69978	0.066068	1.348541	54.09862	55.44716	1.133521	5.609421	6.742941	7035.851	0.188264	0.365967
P-19	Vaca Dixon, Tesla, and Pittsburg Substation Upgrades	1.439046	13.74907	15.5691	0.047568	0.657851	77.95722	78.61507	0.533524	8.056189	8.589714	5024.208	0.137716	0.206936
L-20	Commissioning and Testing	2.144292	19.78824	23.80948	0.063046	0.771818	55.05123	55.82305	0.628085	5.847574	6.475659	6157.951	0.183927	0.147957
L-21	Cleanup and Restoration	3.246901	30.65165	23.13907	0.064478	1.608841	79.05176	80.6606	1.433004	11.37104	12.80405	6936.503	0.232357	0.247382

Table 41: Total Controlled Daily Emissions (pounds)

Index	Name	ROG	NOX	CO	SO2	PM10 Exh	PM10 Dust	PM10 Total	PM2.5 Exh	PM2.5 Dust	PM2.5 Total	CO2	CH4	N2O
L-01	Survey	0.068258	0.111384	1.40536	0.0043	0.025351	3.368928	3.394279	0.008953	0.398979	0.407931	434.9112	0.007148	0.009827
L-02	Site Development/Staging Yards	2.377878	17.07136	96.5159	0.204299	0.80358	30.71631	31.51989	0.613479	3.358036	3.971515	21687.3	0.732045	0.66819
L-03	Below-Grade Construction	2.774466	21.59975	64.044	0.149176	1.526877	32.16358	33.69046	1.176773	3.829992	5.006764	15689.14	0.426181	0.674416
L-04	Above-Grade Construction	2.332636	16.58015	31.4171	0.068425	1.098842	17.63848	18.73733	0.910539	2.193355	3.103895	6940.564	0.195511	0.191869
P-05	Foundation Installation	1.187591	9.699288	44.66131	0.111426	0.624993	30.32185	30.94684	0.425574	4.655892	5.081467	11893.85	0.328848	0.614115
P-06	Structure Installation	3.01921	13.70844	28.51734	0.148717	4.403213	14.92202	19.32524	2.365124	1.735867	4.100991	9413.058	0.194927	0.220593
P-07	Conductor Installation	4.980091	8.407419	57.06444	0.148896	1.240041	23.74126	24.9813	0.528533	2.832545	3.361078	13661.47	0.404896	0.316045
L-08	Access Road Construction	0.662729	4.69803	23.22934	0.056427	0.285451	16.35244	16.63789	0.194093	3.158179	3.352271	6005.364	0.175194	0.234011
L-09	Foundation Installation	0.770806	7.485281	25.68246	0.074671	0.483125	22.31234	22.79547	0.306037	2.475315	2.781352	7938.641	0.184677	0.530498
L-10	Structure Installation	0.622603	3.053954	24.72425	0.054197	0.217813	10.10678	10.3246	0.156812	1.196937	1.353749	5778.555	0.189332	0.141766
L-11	Conductor Installation	5.65627	9.240715	71.09776	0.17508	1.33	19.92703	21.25703	0.541253	2.433051	2.974304	15652.38	0.485013	0.297739
L-12	Transition Structure Foundation Installation	1.64906	34.2796	69.00616	0.175144	0.539319	3.876231	4.415549	0.452826	0.636618	1.089444	15023.49	0.551914	0.211209
L-13	Transition Structure Installation	1.270556	31.66323	52.22581	0.136203	0.428845	1.587688	2.016533	0.364014	0.396922	0.760936	11112.13	0.410524	0.11339
L-14	Submarine Cable Installation	2.355714	14.07168	79.74767	0.180606	0.53732	1.98461	2.52193	0.444244	0.496152	0.940396	15343.08	0.572092	0.153525
L-15	Southern Transition Approach Construction	2.687059	20.45694	52.71134	0.122793	1.335634	17.24156	18.5772	1.08948	2.094125	3.183605	12947.75	0.380014	0.497134
L-16	Substation Getaways	2.796652	21.4005	32.48064	0.064226	1.472524	16.84464	18.31716	1.280709	1.994895	3.275604	6544.096	0.199545	0.177033
P-17	Distribution Extension to Substation	1.196433	10.7035	31.67246	0.080091	0.724124	20.62788	21.352	0.543313	2.275825	2.819138	8542.133	0.228066	0.464485
L-18	Fiber Extension to Substation	1.449327	12.99528	27.41014	0.066068	0.913035	14.68387	15.5969	0.736938	1.676328	2.413266	7035.851	0.188264	0.365967
P-19	Vaca Dixon, Tesla, and Pittsburg Substation Upgrades	0.767379	6.285216	19.26221	0.047568	0.341744	21.0248	21.36655	0.245447	2.375056	2.620502	5024.208	0.137716	0.206936
L-20	Commissioning and Testing	0.866561	5.665803	27.30915	0.063046	0.316533	15.63648	15.95301	0.213555	1.914482	2.128037	6157.951	0.183927	0.147957
L-21	Cleanup and Restoration	1.374383	10.24393	30.49004	0.064478	0.813417	21.50261	22.31602	0.708268	3.559215	4.267482	6936.503	0.232357	0.247382

Table 42: Total Uncontrolled Annual Emissions (tons)

Index	Name	ROG	NOX	CO	SO2	PM10 Exh	PM10 Dust	PM10 Tot	PM2.5 Exh	PM2.5 Dus	PM2.5 Tot	CO2	CH4	N2O
L-01	Survey	0	0	0	0	0.00033	0.157661	0.15799	0.000116	0.016549	0.016665	0	0	0
L-02	Site Development/Staging Yards	0.242503	2.121643	2.098085	0.00617	0.093669	4.37525	4.46892	0.080437	0.448104	0.52854	657.8902	0.026687	0.005337
L-03	Below-Grade Construction	0.263406	2.218739	2.636268	0.006329	0.154669	8.76831	8.922979	0.12417	0.922122	1.046292	675.1147	0.027386	0.005477
L-04	Above-Grade Construction	0.436709	3.955878	2.862178	0.005982	0.245537	10.22854	10.47407	0.208564	1.092816	1.30138	603.7149	0.024489	0.004898
P-05	Foundation Installation	0.059173	0.562401	0.527029	0.001353	0.031396	2.195362	2.226758	0.025684	0.293055	0.318739	146.4829	0.005942	0.001188
P-06	Structure Installation	0.10889	0.56076	0.22924	0.003803	0.168913	0.570536	0.739449	0.091801	0.059524	0.151325	157.0669	0.001772	0.000354
P-07	Conductor Installation	0.231105	0.628591	0.577114	0.002354	0.062695	0.850531	0.913226	0.031126	0.089507	0.120632	142.4998	0.003534	0.000707
L-08	Access Road Construction	0.015193	0.152027	0.118652	0.000279	0.00754	0.451071	0.458611	0.006346	0.073776	0.080122	30.26299	0.001228	0.000246
L-09	Foundation Installation	0.013785	0.117241	0.13197	0.0004	0.008647	0.919866	0.928513	0.006372	0.094528	0.1009	43.28431	0.001756	0.000351
L-10	Structure Installation	0.021459	0.195624	0.138307	0.000461	0.009669	0.436599	0.446268	0.008296	0.045828	0.054124	49.93233	0.002025	0.000405
L-11	Conductor Installation	0.314447	0.952398	0.918439	0.003365	0.084986	0.913774	0.99876	0.043734	0.096963	0.140696	211.7943	0.005672	0.001134
L-12	Transition Structure Foundation Installation	0.520751	5.083645	5.365263	0.011613	0.140712	0.783402	0.924113	0.12407	0.09691	0.22098	971.3408	0.039402	0.00788
L-13	Transition Structure Installation	0.070367	0.696773	0.752298	0.001501	0.01829	0.019846	0.038136	0.016153	0.004962	0.021115	118.526	0.004808	0.000962
L-14	Submarine Cable Installation	0.594745	5.462412	6.283108	0.011794	0.164144	0.145869	0.310013	0.146061	0.036467	0.182528	977.9562	0.03967	0.007934
L-15	Southern Transition Approach Construction	0.281681	2.435481	1.850495	0.005495	0.140329	4.211465	4.351794	0.118704	0.446032	0.564736	585.1755	0.023737	0.004747
L-16	Substation Getaways	0.107253	0.95213	0.757825	0.001392	0.062369	2.122358	2.184727	0.054679	0.222775	0.277454	141.5564	0.005742	0.001148
P-17	Distribution Extension to Substation	0.051962	0.498589	0.447362	0.001192	0.031765	1.977787	2.009552	0.025928	0.202902	0.228831	129.0948	0.005237	0.001047
L-18	Fiber Extension to Substation	0.107415	1.038047	0.887964	0.001942	0.06945	2.786079	2.855529	0.058376	0.288885	0.347261	210.3333	0.008532	0.001706
P-19	Vaca Dixon, Tesla, and Pittsburg Substation Upgrades	0.052923	0.605378	0.501622	0.00123	0.03355	3.975818	4.009368	0.02721	0.410866	0.438075	133.1405	0.005401	0.00108
L-20	Commissioning and Testing	0.148047	1.602329	1.401636	0.003247	0.067148	4.789457	4.856605	0.054643	0.508739	0.563382	307.7211	0.012483	0.002497
L-21	Cleanup and Restoration	0.214006	2.006716	1.495136	0.00353	0.112619	5.533623	5.646242	0.10031	0.795973	0.896283	382.3369	0.015509	0.003102

Table 43: Total Controlled Annual Emissions (tons)

Index	Name	ROG	NOX	CO	SO2	PM10 Exh	PM10 Dust	PM10 Tot	PM2.5 Exh	PM2.5 Dus	PM2.5 Tot	CO2	CH4	N2O
L-01	Survey	0	0	0	0	0.00033	0.043796	0.044126	0.000116	0.005187	0.005303	0	0	0
L-02	Site Development/Staging Yards	0.074963	0.462367	3.447893	0.00617	0.030536	1.16722	1.197756	0.023312	0.127605	0.150918	657.8902	0.026687	0.005337
L-03	Below-Grade Construction	0.155202	1.208697	3.874657	0.006329	0.116043	2.444432	2.560475	0.089435	0.291079	0.380514	675.1147	0.027386	0.005477
L-04	Above-Grade Construction	0.302136	2.47645	3.682743	0.005982	0.182957	2.936807	3.119765	0.151605	0.365194	0.516798	603.7149	0.024489	0.004898
P-05	Foundation Installation	0.0149	0.090897	0.773172	0.001353	0.0125	0.606437	0.618937	0.008511	0.093118	0.101629	146.4829	0.005942	0.001188
P-06	Structure Installation	0.094255	0.411126	0.326905	0.003803	0.16274	0.156681	0.319422	0.086188	0.018227	0.104415	157.0669	0.001772	0.000354
P-07	Conductor Installation	0.186851	0.128693	0.652807	0.002354	0.041094	0.237413	0.278506	0.011385	0.028325	0.03971	142.4998	0.003534	0.000707
L-08	Access Road Construction	0.00327	0.022369	0.15209	0.000279	0.002284	0.13082	0.133103	0.001553	0.025265	0.026818	30.26299	0.001228	0.000246
L-09	Foundation Installation	0.004665	0.031636	0.229001	0.0004	0.005314	0.245436	0.25075	0.003366	0.027228	0.030595	43.28431	0.001756	0.000351
L-10	Structure Installation	0.004733	0.024614	0.249924	0.000461	0.002614	0.121281	0.123895	0.001882	0.014363	0.016245	49.93233	0.002025	0.000405
L-11	Conductor Installation	0.245312	0.179808	1.026631	0.003365	0.053157	0.259051	0.312208	0.014661	0.03163	0.04629	211.7943	0.005672	0.001134
L-12	Transition Structure Foundation Installation	0.104892	2.494273	4.770953	0.011613	0.040449	0.290717	0.331166	0.033962	0.047746	0.081708	971.3408	0.039402	0.00788
L-13	Transition Structure Installation	0.01293	0.390612	0.587494	0.001501	0.005361	0.019846	0.025207	0.00455	0.004962	0.009512	118.526	0.004808	0.000962
L-14	Submarine Cable Installation	0.15145	0.996209	5.381287	0.011794	0.039493	0.145869	0.185362	0.032652	0.036467	0.069119	977.9562	0.03967	0.007934
L-15	Southern Transition Approach Construction	0.159642	1.168395	3.130868	0.005495	0.092159	1.189668	1.281826	0.075174	0.144495	0.219669	585.1755	0.023737	0.004747
L-16	Substation Getaways	0.083885	0.696537	0.902835	0.001392	0.051538	0.589562	0.641101	0.044825	0.069821	0.114646	141.5564	0.005742	0.001148
P-17	Distribution Extension to Substation	0.022684	0.17038	0.693686	0.001192	0.018465	0.526011	0.544476	0.013854	0.058034	0.071888	129.0948	0.005237	0.001047
L-18	Fiber Extension to Substation	0.059516	0.500976	1.182047	0.001942	0.047021	0.756219	0.803241	0.037952	0.086331	0.124283	210.3333	0.008532	0.001706
P-19	Vaca Dixon, Tesla, and Pittsburg Substation Upgrades	0.018668	0.224722	0.689971	0.00123	0.017429	1.072265	1.089694	0.012518	0.121128	0.133646	133.1405	0.005401	0.00108
L-20	Commissioning and Testing	0.036884	0.373677	1.706107	0.003247	0.027538	1.360374	1.387912	0.018579	0.16656	0.185139	307.7211	0.012483	0.002497
L-21	Cleanup and Restoration	0.082929	0.578176	2.009704	0.00353	0.056939	1.505182	1.562122	0.049579	0.249145	0.298724	382.3369	0.015509	0.003102

Table 44: Activity Distribution by Year and District

Type	Count	Index	Name	Start Date	End Date	Schedule Days	Pct 2026	Pct 2027	Pct 2028	PCT BAAQMD	PCT SMAQMD
LSPGC	1	L-01	Survey	5/1/2026	6/1/2026	26	1.00	0.00	0.00	1.0	0.0
LSPGC	2	L-02	Site Development/Staging Yards	5/1/2026	8/1/2026	76	1.00	0.00	0.00	1.0	0.0
LSPGC	3	L-03	Below-Grade Construction	7/14/2026	1/14/2027	152	0.93	0.07	0.00	1.0	0.0
LSPGC	4	L-04	Above-Grade Construction	1/2/2027	2/11/2028	333	0.00	0.90	0.10	1.0	0.0
PG&E	5	P-05	Foundation Installation	6/1/2027	7/28/2027	48	0.00	1.00	0.00	1.0	0.0
PG&E	6	P-06	Structure Installation	7/29/2027	8/21/2027	21	0.00	1.00	0.00	1.0	0.0
PG&E	7	P-07	Conductor Installation	8/22/2027	9/15/2027	20	0.00	1.00	0.00	1.0	0.0
LSPGC	8	L-08	Access Road Construction	5/1/2026	5/19/2026	16	1.00	0.00	0.00	1.0	0.0
LSPGC	9	L-09	Foundation Installation	5/20/2027	6/15/2027	22	0.00	1.00	0.00	1.0	0.0
LSPGC	10	L-10	Structure Installation	6/16/2027	7/15/2027	24	0.00	1.00	0.00	1.0	0.0
LSPGC	11	L-11	Conductor Installation	7/16/2027	8/15/2027	26	0.00	1.00	0.00	1.0	0.0
LSPGC	12	L-12	Transition Structure Foundation Installation	6/15/2026	12/15/2026	150	1.00	0.00	0.00	1.0	0.0
LSPGC	13	L-13	Transition Structure Installation	6/15/2027	7/15/2027	25	0.00	1.00	0.00	1.0	0.0
LSPGC	14	L-14	Submarine Cable Installation	6/20/2027	12/15/2027	147	0.00	1.00	0.00	0.7	0.3
LSPGC	15	L-15	Southern Transition Approach Construction	6/15/2027	11/30/2027	138	0.00	1.00	0.00	1.0	0.0
LSPGC	16	L-16	Substation Getaways	6/1/2027	8/23/2027	70	0.00	1.00	0.00	1.0	0.0
PG&E	17	P-17	Distribution Extension to Substation	6/1/2026	8/1/2026	51	1.00	0.00	0.00	1.0	0.0
LSPGC	18	L-18	Fiber Extension to Substation	6/1/2027	10/1/2027	103	0.00	1.00	0.00	1.0	0.0
PG&E	19	P-19	Vaca Dixon, Tesla, and Pittsburg Substation Upgrades	6/1/2026	10/1/2026	102	1.00	0.00	0.00	1.0	0.0
LSPGC	20	L-20	Commissioning and Testing	11/1/2027	6/1/2028	174	0.00	0.27	0.73	1.0	0.0
LSPGC	21	L-21	Cleanup and Restoration	2/1/2028	7/17/2028	140	0.00	0.00	1.00	1.0	0.0

Table 47: Annual GHG Emissions - BAAQMD (metric tons/year)

Phase	CO2	CH4	N2O	SF6	CO2e
Construction	5789.51	0.23	0.05	0.00	5808.62
O&M	2.47	0.00	0.00	0.00	2.59
Electricity	35.66	0.01	0.00	0.00	36.01
SF6 Loss	0.00	0.00	0.00	0.01	214.00
O&M Total	38.13	0.01	0.00	0.01	252.60

Table 48: Annual GHG Emissions - SMAQMD (metric tons/year)

Phase	CO2	CH4	N2O	SF6	CO2e
Construction	266.16	0.01	0.00	0.00	267.07
O&M	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00
SF6 Loss	0.00	0.00	0.00	0.00	0.00
Combined	8.87	0.00	0.00	0.00	8.90

Table 49: Equipment List and Trip Requirements

Equip Index	Activity Index	Activity Name	Equipment Name	HP	Fuel Type	Quantity	Days Used	Hours Per Day	EquipConcat	On-Off	Grading	Off Count	On Count	Grading Count	On Type	CalEEModType	On Distance per Trip (miles)	Trips Per Day	Daily VMT	Total VMT	Total Trips per day	Automobile Type
1-L01	Survey		Pickup - 1/2 Ton	395	Gasoline	2	26	4	Pickup - 1/2 Ton 395	on			1		passenger		40	2	160	4160	4	Automobile
2-L02	Site Development/Staging Yards		Truck - Water 4 K	300	Diesel	4	76	10	Truck - Water 4 K 300	on			2		vendor		40	2	320	24320	8	Const Vehicle
3-L02	Site Development/Staging Yards		Loader - 4-5 Yd	230	Diesel	2	76	10	Loader - 4-5 Yd 230	off		1				Rubber Tired Loaders						
4-L02	Site Development/Staging Yards		Truck - Dump 10-12 Yd	415	Diesel	5	76	10	Truck - Dump 10-12 Yd 415	on			3		hhdt		40	4	800	60800	20	Const Vehicle
5-L02	Site Development/Staging Yards		Motor Grader	250	Diesel	2	76	10	Motor Grader 250	off	grading	2		1		Graders						
6-L02	Site Development/Staging Yards		Scraper	410	Diesel	4	76	10	Scraper 410	off	grading	3		2		Scrapers						
7-L02	Site Development/Staging Yards		Vibratory Roller	157	Diesel	2	76	10	Vibratory Roller 157	off		4			Rollers							
8-L02	Site Development/Staging Yards		Pickup - 1/2 Ton	395	Gasoline	4	76	4	Pickup - 1/2 Ton 395	on			4		passenger		40	2	320	24320	8	Automobile
9-L02	Site Development/Staging Yards		Generator - 25 Kw	36	Diesel	2	76	10	Generator - 25 Kw 36	off		5				Generator Sets						
10-L02	Site Development/Staging Yards		Forklift - 15,000 lb	130	Diesel	1	48	2	Forklift - 15,000 lb 130	off		6				Forklifts						
11-L02	Site Development/Staging Yards		Pickup - 1 Ton	410	Diesel	4	76	4	Pickup - 1 Ton 410	on			5		passenger		40	2	320	24320	8	Automobile
12-L02	Site Development/Staging Yards		844 Loader	417	Diesel	1	76	6	844 Loader 417	off		7				Rubber Tired Loaders						
13-L02	Site Development/Staging Yards		Semi Truck	500	Diesel	2	76	6	Semi Truck 500	on			6		hhdt		40	2	160	12160	4	Const Vehicle
14-L03	Below-Grade Construction		Truck - Water 4 K	300	Diesel	2	152	10	Truck - Water 4 K 300	on			7		vendor		40	2	160	24320	4	Const Vehicle
15-L03	Below-Grade Construction		Excavator	108	Diesel	2	152	10	Excavator 108	off		8				Excavators						
16-L03	Below-Grade Construction		Forklift - 15 K Reach	130	Diesel	3	152	8	Forklift - 15 K Reach 130	off		9				Forklifts						
17-L03	Below-Grade Construction		Backhoe - 2X4	68	Diesel	2	152	6	Backhoe - 2X4 68	off		10				Excavators						
18-L03	Below-Grade Construction		Pickup - 1/2 Ton	395	Gasoline	4	152	2	Pickup - 1/2 Ton 395	on			8		passenger		40	2	320	48640	8	Automobile
19-L03	Below-Grade Construction		Pickup - 1 Ton	410	Diesel	4	152	2	Pickup - 1 Ton 410	on			9		passenger		40	2	320	48640	8	Automobile
20-L03	Below-Grade Construction		Excavator - Mini	70	Diesel	1	152	5	Excavator - Mini 70	off		11				Excavators						
21-L03	Below-Grade Construction		Generator - 25 Kw	36	Diesel	1	152	10	Generator - 25 Kw 36	off		12				Generator Sets						
22-L03	Below-Grade Construction		Truck - Concrete	425	Diesel	4	152	5	Truck - Concrete 425	on			13	10	hhdt		60	2	480	72960	8	Const Vehicle
23-L03	Below-Grade Construction		Loader - 4-5 Yd	230	Diesel	2	152	10	Loader - 4-5 Yd 230	off		12				Rubber Tired Loaders						
24-L03	Below-Grade Construction		Pressure Digger - Lo-Drill (Tracked)	275	Diesel	1	152	8	Pressure Digger - Lo-Drill (Tracked) 275	off		14				Bore/Drill Rigs						
25-L03	Below-Grade Construction		Excavator	275	Diesel	1	152	10	Excavator 275	off		15				Excavators						
26-L03	Below-Grade Construction		Truck - Dump 10-12 Yd	415	Diesel	3	152	5	Truck - Dump 10-12 Yd 415	on			11		hhdt		40	4	480	72960	12	Const Vehicle
27-L03	Below-Grade Construction		Tool - Van/Conex 20'	0	NA	6	152	10	Tool - Van/Conex 20' 0	NA												
28-L03	Below-Grade Construction		Trencher	75	Diesel	2	152	5	Trencher 75	off		16				Trenchers						
29-L03	Below-Grade Construction		Skid steer loader	74	Diesel	2	152	10	Skid steer loader 74	off		17				Skid Steer Loaders						
30-L03	Below-Grade Construction		Wire Traler/ Tensioner	175	Diesel	1	152	5	Wire Traler/ Tensioner 175	off		18				Other Construction Equipment						
31-L03	Below-Grade Construction		Wire Puller	175	Diesel	1	152	5	Wire Puller 175	off		19				Other Construction Equipment						
32-L04	Above-Grade Construction		Wire Traler/ Tensioner	175	Diesel	1	333	5	Wire Traler/ Tensioner 175	off		20				Other Construction Equipment						
33-L04	Above-Grade Construction		Wire Puller	175	Diesel	1	333	5	Wire Puller 175	off		21				Other Construction Equipment						
34-L04	Above-Grade Construction		Crane - 200 Ton	275	Diesel	1	333	4	Crane - 200 Ton 275	off		22				Cranes						
35-L04	Above-Grade Construction		Pickup - 1/2 Ton	395	Gasoline	4	333	2	Pickup - 1/2 Ton 395	on		12			passenger		40	2	320	106560	8	Automobile
36-L04	Above-Grade Construction		Pickup - 1 Ton	410	Diesel	4	333	2	Pickup - 1 Ton 410	on		13			passenger		40	2	320	106560	8	Automobile
37-L04	Above-Grade Construction		Welding Truck	395	Diesel	2	333	2	Welding Truck 395	off		23			vendor		40	2	160	53280	4	Const Vehicle
38-L04	Above-Grade Construction		Generator - 25 Kw	36	Diesel	2	333	10	Generator - 25 Kw 36	off		23	14			Generator Sets						
39-L04	Above-Grade Construction		Crane - 35 Ton (Manlift)	250	Diesel	2	333	5	Crane - 35 Ton (Manlift) 250	off		24				Cranes						
40-L04	Above-Grade Construction		Forklift - 10 K Reach	130	Diesel	2	333	4	Forklift - 10 K Reach 130	off		25				Forklifts						
41-L04	Above-Grade Construction		Forklift - 15,000 lb	130	Diesel	1	333	4	Forklift - 15,000 lb 130	off		26				Forklifts						
42-L04	Above-Grade Construction		Loader - 4-5 Yd	74	Diesel	2	333	5	Loader - 4-5 Yd 74	off		27				Rubber Tired Loaders						
43-L04	Above-Grade Construction		120' Manlift	74	Diesel	1	333	4	120' Manlift 74	off		28				Aerial Lifts						
44-P05	Foundation Installation		Pressure Digger - Lo-Drill (Tracked)	275	Diesel	1	40	8	Pressure Digger - Lo-Drill (Tracked) 275	off		29				Bore/Drill Rigs						
45-P05	Foundation Installation		Truck - Concrete	425	Diesel	4	40	5	Truck - Concrete 425	on		15			hhdt		60	2	480	19200	8	Const Vehicle
46-P05	Foundation Installation		Pickup - 1 Ton 410	410	Diesel	4	40	2	Pickup - 1 Ton 410	on		16			passenger		60	2	480	19200	8	Automobile
47-P05	Foundation Installation		Truck - Water 4 K	300	Diesel	2	40	6	Truck - Water 4 K 300	on		17			vendor		60	2	240	9600	4	Const Vehicle
48-P05	Foundation Installation		Truck - Dump 10-12 Yd	415	Diesel	1	40	10	Truck - Dump 10-12 Yd 415	on		18			hhdt		40	2	160	6400	4	Const Vehicle
49-P05	Foundation Installation		Skid steer loader	74	Diesel	1	40	10	Skid steer loader 74	off		30				Skid Steer Loaders						
50-P05	Foundation Installation		Forklift - 10 K Reach	130	Diesel	2	40	8	Forklift - 10 K Reach 130	off		31				Forklifts						
51-P05	Foundation Installation		Crane - 35 Ton (Manlift)	250	Diesel	1	40	4	Crane - 35 Ton (Manlift) 250	off		32				Cranes						
52-P05	Foundation Installation		Loader - 4-5 Yd	230	Diesel	1	40	8	Loader - 4-5 Yd 230	off		33				Rubber Tired Loaders						
53-P05	Foundation Installation		Rough Terrain Crane	185	Diesel	1	40	2	Rough Terrain Crane 185	off		34				Cranes						
54-P05	Foundation Installation		Motor Grader	250	Diesel	1	40	10	Motor Grader 250	off	grading	38		3		Graders						
55-P05	Foundation Installation		D6 Type Dozer	250	Diesel	1	40	10	D6 Type Dozer 250	off	bulldozing	36		4		Rubber Tired Dozers						
56-P05	Foundation Installation		Excavator	250	Diesel	1	40	10	Excavator 250	off		37				Excavators						
57-P05	Foundation Installation		Vibratory Roller	125	Diesel	1	40	10	Vibratory Roller 125	off		38				Rollers						
58-P06	Structure Installation		Crane - 35 Ton (Manlift)	250	Diesel	2	48	10	Crane - 35 Ton (Manlift) 250	off		39				Cranes						
59-P06	Structure Installation		Helicopter - Heavy Duty	3200	Jet	1	13	5	Helicopter - Heavy Duty 3200	helicopter												
60-P06	Structure Installation		Pickup - 1/2 ton	395	Gasoline	2	48	2	Pickup - 1/2 ton 395	on		19			passenger		40	2	160	7680	4	Automobile
61-P06	Structure Installation		Forklift - 15,000 lb	130	Diesel	1	48	5	Forklift - 15,000 lb 130	off		40				Forklifts						
62-P06	Structure Installation		Pickup - 1 ton	410	Diesel	2	48	2	Pickup - 1 ton 410	on		20			passenger		60	2	240	11520	4	Automobile
63-P06	Structure Installation		Crane - 200 Ton	275	Diesel	1	48	10	Crane - 200 Ton 275	off		41				Cranes						
64-P06	Structure Installation		844 Loader	417	Diesel	1	48	8	844 Loader 417	off		42				Rubber Tired Loaders						
65-P06	Structure Installation		Truck - Water 4 K	300	Diesel	2	48	6	Truck - Water 4 K 300	on		21			vendor		60	2	240	11520	4	Const Vehicle
66-P06	Structure Installation		Jet Fuel Truck	300	Diesel	1	48	10	Jet Fuel Truck 300	on		22			vendor		40	2	80	3840	2	Const Vehicle
67-P07	Conductor Installation		Helicopter	700	Jet	1	12	10	Helicopter 700	helicopter												
68-P07	Conductor Installation		Jet Fuel Truck	300	Diesel	1	60	10	Jet Fuel Truck 300	on		23			vendor		40	2	80	4800	2	Const Vehicle
69-P07	Conductor Installation		Crane - 35 Ton (Manlift)	250	Diesel	6	60	10	Crane - 35 Ton (Manlift) 250	off		43				Cranes						
70-P07	Conductor Installation		Pickup - 1/2 ton	395	Gasoline	4	60	2	Pickup - 1/2 ton 395	on		24			passenger		40	2	320	19200	8	Automobile
71-P07	Conductor Installation		Pickup - 1 Ton	410	Diesel	4	60	2	Pickup - 1 Ton 410	on		25			passenger		60	2	480	28800	8	Automobile
72-P07	Conductor Installation		D8 Sag Dozer	200	Diesel	3	60	10	D8 Sag Dozer 200	off		44				Rubber Tired Dozers						
73-P07	Conductor Installation		Wire Puller	175	Diesel	1	60	5	Wire Puller 175	off		45				Other Construction Equipment						
74-P07	Conductor Installation		Truck - Water 4 K	300	Diesel	2	60	6	Truck - Water 4 K 300	on		26			vendor		60	2	240	14400	4	Const Vehicle
75-P07	Conductor Installation		Wire Traler/ Tensioner	175	Diesel	1	60	5	Wire Traler/ Tensioner 175	off		46				Other Construction Equipment						
76-L08	Access Road Construction		Pickup - 1/2 ton	395	Gasoline	2	16	4	Pickup - 1/2 ton 395	on		27			passenger		40	2	160	2560	4	Automobile
77-L08	Access Road Construction		Pickup - 1 Ton	410	Diesel	2	16	4	Pickup - 1 Ton 410	on		28			passenger		40	2	160	2560	4	Automobile
78-L08	Access Road Construction		Motor Grader	250	Diesel	1	16	10	Motor Grader 250	off	grading	47		5		Graders</						

Equip Index	Activity Index	Activity Name	Equipment Name	HP	Fuel Type	Quantity	Days Used	Hours Per Day	EquipConcat	On-Off	Grading	Off Count	On Count	Grading Count	On Type	CalEEModType	On Distance per Trip (miles)	Trips Per Day	Daily VMT	Total VMT	Total Trips per day	Automobile Type
98	L-10	Structure Installation	Pickup - 1 ton	410	Diesel	2	24	2	Pickup - 1 ton 410	on			36		passenger		40	2	160	3840	4	Automobile
99	L-10	Structure Installation	Crane - 200 Ton	275	Diesel	1	24	10	Crane - 200 Ton 275	off		60				Cranes						
100	L-10	Structure Installation	844 Loader	417	Diesel	1	24	8	844 Loader 417	off		61				Rubber Tired Loaders						
101	L-10	Structure Installation	Truck - Water 4 K	300	Diesel	2	24	6	Truck - Water 4 K 300	on			37		vendor		40	2	160	3840	4	Const Vehicle
102	L-11	Conductor Installation	Jet Fuel Truck	700	Jet	1	6	10	Helicopter 700	off												
103	L-11	Conductor Installation	Jet Fuel Truck	300	Diesel	1	26	10	Jet Fuel Truck 300	on			38		vendor		60	2	120	3120	2	Const Vehicle
104	L-11	Conductor Installation	Crane - 35 Ton (Manlift)	250	Diesel	6	26	10	Crane - 35 Ton (Manlift) 250	off		62				Cranes						
105	L-11	Conductor Installation	Pickup - 1/2 Ton	395	Gasoline	4	26	2	Pickup - 1/2 ton 395	on			39		passenger		40	2	320	8320	8	Automobile
106	L-11	Conductor Installation	Pickup - 1 Ton	410	Diesel	4	26	2	Pickup - 1 Ton 410	on			40		passenger		40	2	320	8320	8	Automobile
107	L-11	Conductor Installation	D8 Sag Dozer	200	Diesel	3	26	10	D8 Sag Dozer 200	off		63				Rubber Tired Dozers						
108	L-11	Conductor Installation	Wire Puller	175	Diesel	1	26	5	Wire Puller 175	off		64				Other Construction Equipment						
109	L-11	Conductor Installation	Truck - Water 4 K	300	Diesel	2	26	6	Truck - Water 4 K 300	on			41		vendor		40	2	160	4160	4	Const Vehicle
110	L-11	Conductor Installation	Wire Trailer/Tensioner	175	Diesel	1	26	5	Wire Trailer/Tensioner 175	off		65				Other Construction Equipment						
111	L-11	Conductor Installation	Deck Barge	N/A	NA	1	26	2	Deck Barge N/A	NA												
112	L-11	Conductor Installation	Tug Boat	3300	Diesel	2	26	6	Tug Boat 3300	boat		65										
113	L-11	Conductor Installation	Support Vessel	200	Diesel	2	26	4	Support Vessel 200	boat		65										
114	L-11	Conductor Installation	Deck Generator	170	Diesel	1	26	8	Deck Generator 170	off		66				Generator Sets						
115	L-11	Conductor Installation	Anchor Winches	100	Diesel	4	26	4	Anchor Winches 100	off		67				Other Construction Equipment						
116	L-12	Transition Structure Foundation Installation	Spud Barge	N/A	Diesel	1	150	4	Spud Barge N/A	NA												
117	L-12	Transition Structure Foundation Installation	Hydraulic Unit	100	Diesel	1	150	2	Hydraulic Unit 100	off		68				Other Construction Equipment						
118	L-12	Transition Structure Foundation Installation	Tug Boat	3300	Diesel	2	150	6	Tug Boat 3300	boat		68										
119	L-12	Transition Structure Foundation Installation	Deck Winch	275	Diesel	1	150	2	Deck Winch 275	off		69				Other Construction Equipment						
120	L-12	Transition Structure Foundation Installation	Truck - Concrete	425	Diesel	1	150	10	Truck - Concrete 425	on			42		hhdt		60	2	120	18000	2	Const Vehicle
121	L-12	Transition Structure Foundation Installation	Concrete Pump	350	Diesel	1	150	3	Concrete Pump 350	off		70				Pumps						
122	L-12	Transition Structure Foundation Installation	Generator - 725 Kw	985	Diesel	1	150	8	Generator - 725 Kw 985	off		71				Generator Sets						
123	L-12	Transition Structure Foundation Installation	Deck Generator - 100KW	130	Diesel	1	150	8	Deck Generator - 100KW 130	off		72				Generator Sets						
124	L-12	Transition Structure Foundation Installation	Support Vessel	200	Diesel	2	150	2	Support Vessel 200	boat		72										
125	L-12	Transition Structure Foundation Installation	Air Compressor	50	Diesel	1	150	8	Air Compressor 50	off		73				Air Compressors						
126	L-12	Transition Structure Foundation Installation	Vibratory Hammer/Pile Driver	665	Diesel	1	150	8	Vibratory Hammer/Pile Driver 665	off		74				Other Construction Equipment						
127	L-12	Transition Structure Foundation Installation	Crane	180	Diesel	1	150	8	Crane 180	off		75				Cranes						
128	L-12	Transition Structure Foundation Installation	Engine Welder	25	Diesel	1	150	4	Engine Welder 25	off		76				Welders						
129	L-12	Transition Structure Foundation Installation	Support Vessel	200	Diesel	2	150	4	Support Vessel 200	boat		76										
130	L-13	Transition Structure Installation	Spud Barge	N/A	NA	1	25	4	Spud Barge N/A	NA												
131	L-13	Transition Structure Installation	Deck Barge	N/A	NA	1	25	2	Deck Barge N/A	NA												
132	L-13	Transition Structure Installation	Tug Boat	3300	Diesel	2	25	6	Tug Boat 3300	boat		76										
133	L-13	Transition Structure Installation	Barge Mounted Crane	250	Diesel	1	25	8	Barge Mounted Crane 250	off		77				Cranes						
134	L-13	Transition Structure Installation	Support Vessel	200	Diesel	2	25	4	Support Vessel 200	boat		77										
135	L-13	Transition Structure Installation	Deck Generator	170	Diesel	1	25	8	Deck Generator 170	off		78				Generator Sets						
136	L-13	Transition Structure Installation	Air Compressor	50	Diesel	1	25	8	Air Compressor 50	off		79				Air Compressors						
137	L-13	Transition Structure Installation	Generator - 725 Kw	985	Diesel	1	25	8	Generator - 725 Kw 985	off		80				Generator Sets						
138	L-14	Submarine Cable Installation	Survey Vessel	150	Diesel	2	147	12	Survey Vessel 150	boat		80										
139	L-14	Submarine Cable Installation	Tug Boat	1200	Diesel	2	147	8	Tug Boat 1200	boat		80										
140	L-14	Submarine Cable Installation	Crew Boat	1200	Diesel	1	147	12	Crew Boat 1200	boat		80										
141	L-14	Submarine Cable Installation	Small Boats	250	Gasoline	2	147	12	Small Boats 250	boat		80										
142	L-14	Submarine Cable Installation	Crane	180	Diesel	1	147	6	Crane 180	off		81				Cranes						
143	L-14	Submarine Cable Installation	Anchor Winches	100	Diesel	4	147	4	Anchor Winches 100	off		82				Other Construction Equipment						
144	L-14	Submarine Cable Installation	Generators	150	Diesel	1	147	12	Generators 150	off		83				Generator Sets						
145	L-14	Submarine Cable Installation	Misc Deck Equipment	100	Diesel	1	147	12	Misc Deck Equipment 100	off		84				Other Construction Equipment						
146	L-14	Submarine Cable Installation	Water Pumps	325	Diesel	2	147	12	Water Pumps 325	off		85				Pumps						
147	L-14	Submarine Cable Installation	Pull In Winch	100	Diesel	1	147	12	Pull In Winch 100	off		85				Other Construction Equipment						
148	L-14	Submarine Cable Installation	Dive Compressor	50	Diesel	2	147	12	Dive Compressor 50	off		87				Air Compressors						
149	L-14	Submarine Cable Installation	Termination Genset	50	Diesel	1	147	12	Termination Genset 50	off		88				Generator Sets						
150	L-14	Submarine Cable Installation	Assist Barge: Crane	200	Diesel	1	147	12	Assist Barge: Crane 200	off		89				Cranes						
151	L-15	Southern Transition Approach Construction	Onshore Excavator	600	Diesel	1	138	12	Onshore Excavator 600	off		90				Excavators						
152	L-15	Southern Transition Approach Construction	Onshore End Loader	250	Diesel	1	138	12	Onshore End Loader 250	off		90				Tractors/Loaders/Backhoes						
153	L-15	Southern Transition Approach Construction	Onshore Crane	180	Diesel	1	138	12	Onshore Crane 180	off		92				Cranes						
154	L-15	Southern Transition Approach Construction	Crane - 200 ton	275	Diesel	1	138	6	Crane - 200 ton 275	off		93				Cranes						
155	L-15	Southern Transition Approach Construction	Onshore Vibratory Hammer	300	Diesel	1	138	12	Onshore Vibratory Hammer 300	off		94				Other Construction Equipment						
156	L-15	Southern Transition Approach Construction	Air Compressor	50	Diesel	1	138	12	Air Compressor 50	off		95				Air Compressors						
157	L-15	Southern Transition Approach Construction	Truck - Dump 10-12 Yd	415	Diesel	4	138	6	Truck - Dump 10-12 Yd 415	on			43		hhdt		40	2	320	44160	8	Const Vehicle
158	L-15	Southern Transition Approach Construction	Onshore Dewatering Equip	50	Diesel	2	138	12	Onshore Dewatering Equip 50	off		96				Other Construction Equipment						
159	L-15	Southern Transition Approach Construction	Onshore Trucks	300	Gasoline	4	138	12	Onshore Trucks 300	on			44		vendor		60	2	480	66240	8	Const Vehicle
160	L-16	Substation Getaways	Pickup - 1/2 Ton	395	Gasoline	4	70	2	Pickup - 1/2 Ton 395	on			45		passenger		40	2	320	22400	8	Automobile
161	L-16	Substation Getaways	Pickup - 1 Ton	410	Diesel	4	70	2	Pickup - 1 Ton 410	on			46		passenger		40	2	320	22400	8	Automobile
162	L-16	Substation Getaways	Welding Truck	395	Diesel	2	70	2	Welding Truck 395	on			47		vendor		40	2	160	11200	4	Const Vehicle
163	L-16	Substation Getaways	Generator - 25 Kw	36	Diesel	2	70	10	Generator - 25 Kw 36	off		97				Generator Sets						
164	L-16	Substation Getaways	Crane - 35 Ton (Manlift)	250	Diesel	2	70	5	Crane - 35 Ton (Manlift) 250	off		98				Cranes						
165	L-16	Substation Getaways	Forklift - 10 K Reach	130	Diesel	2	70	4	Forklift - 10 K Reach 130	off		99				Forklifts						
166	L-16	Substation Getaways	Forklift - 15,000 lb	130	Diesel	1	70	4	Forklift - 15,000 lb 130	off		100				Forklifts						
167	L-16	Substation Getaways	Loader - 4-5 Yd	74	Diesel	2	70	5	Loader - 4-5 Yd 74	off		10										

Equip Index	Activity Index	Activity Name	Equipment Name	HP	Fuel Type	Quantity	Days Used	Hours Per Day	EquipConcat	On-Off	Grading	Off Count	On Count	Grading Count	On Type	CalEEModType	On Distance per Trip (miles)	Trips Per Day	Daily VMT	Total VMT	Total Trips per day	Automobile Type
196	P-19	Vaca Dixon, Tesla, and Pittsburg Substation Upgrades	Welding Truck	395	Diesel	2	102	5	Welding Truck 395	on			58		vendor		60	2	240	2480	4	Const Vehicle
197	P-19	Vaca Dixon, Tesla, and Pittsburg Substation Upgrades	Crane - 35 Ton (Manlift)	250	Diesel	2	102	10	Crane - 35 Ton (Manlift) 250	off			120			Cranes						
198	P-19	Vaca Dixon, Tesla, and Pittsburg Substation Upgrades	Forklift -15,000 lb	130	Diesel	1	102	4	Forklift -15,000 lb 130	off			121			Forklifts						
199	P-19	Vaca Dixon, Tesla, and Pittsburg Substation Upgrades	Manlift - 40'	49	Diesel	3	102	10	Manlift - 40' 49	off			122			Aerial Lifts						
200	P-19	Vaca Dixon, Tesla, and Pittsburg Substation Upgrades	120' Manlift	74	Diesel	2	102	4	120' Manlift 74	off			123			Aerial Lifts						
201	L-20	Commissioning and Testing	Pickup - 1/2 Ton	395	Gasoline	4	174	2	Pickup - 1/2 Ton 395	on			59		passenger		40	2	320	55680	8	Automobile
202	L-20	Commissioning and Testing	Pickup - 1 Ton	410	Diesel	4	174	2	Pickup - 1 Ton 410	on			60		passenger		40	2	320	55680	8	Automobile
203	L-20	Commissioning and Testing	Manlift - 40'	49	Diesel	3	174	10	Manlift - 40' 49	off			124			Aerial Lifts						
204	L-20	Commissioning and Testing	Truck - Water 4 K	300	Diesel	1	174	10	Truck - Water 4 K 300	on			61		vendor		40	2	80	13920	2	Const Vehicle
205	L-20	Commissioning and Testing	Tool - Van/Conex 20'	0	NA	6	174	10	Tool - Van/Conex 20' 0	NA												
206	L-20	Commissioning and Testing	Deck Barge	N/A	NA	1	174	2	Deck Barge N/A	NA												
207	L-20	Commissioning and Testing	Tug Boat	3300	Diesel	2	174	6	Tug Boat 3300	boat			124									
208	L-20	Commissioning and Testing	Support Vessel	200	Diesel	2	174	4	Support Vessel 200	boat			124									
209	L-20	Commissioning and Testing	Deck Generator	170	Diesel	1	174	8	Deck Generator 170	off			125			Generator Sets						
210	L-20	Commissioning and Testing	Crane - 35 Ton (Manlift)	250	Diesel	2	174	10	Crane - 35 Ton (Manlift) 250	off			126			Cranes						
211	L-21	Cleanup and Restoration	Pickup - 1 Ton	410	Diesel	4	140	2	Pickup - 1 Ton 410	on			62		passenger		40	2	320	44800	8	Automobile
212	L-21	Cleanup and Restoration	Motor Grader	250	Diesel	2	140	10	Motor Grader 250	off	grading	127		7		Graders						
213	L-21	Cleanup and Restoration	Backhoe - 2X4	68	Diesel	2	140	8	Backhoe - 2X4 68	off	grading	128				Excavators						
214	L-21	Cleanup and Restoration	Truck - Water 4 K	300	Diesel	2	140	10	Truck - Water 4 K 300	on			63		vendor		40	2	160	22400	4	Const Vehicle
215	L-21	Cleanup and Restoration	Skid steer loader	74	Diesel	1	140	10	Skid steer loader 74	off			129			Skid Steer Loaders						
216	L-21	Cleanup and Restoration	Excavator	250	Diesel	1	140	10	Excavator 250	off			130			Excavators						
217	L-21	Cleanup and Restoration	D6 Type Dozer	250	Diesel	1	140	10	D6 Type Dozer 250	off	bulldozing	131		8		Rubber Tired Dozers						
218	L-21	Cleanup and Restoration	Pickup - 1/2 Ton	395	Gasoline	4	140	2	Pickup - 1/2 Ton 395	on			64		passenger		40	2	320	44800	8	Automobile
219	L-21	Cleanup and Restoration	Truck - Dump 10-12 Yd	415	Diesel	2	140	10	Truck - Dump 10-12 Yd 415	on			65		hhtt		40	2	160	22400	4	Const Vehicle
220	L-01	Survey	Worker Commute	NA	Gasoline	4	26	NA	Worker Commute_NA	on			66		passenger		60	2	480	12480	8	Automobile
221	L-02	Site Development/Staging Yards	Worker Commute	NA	Gasoline	12	76	NA	Worker Commute_NA	on			67		passenger		60	2	1440	109440	24	Automobile
222	L-03	Below-Grade Construction	Worker Commute	NA	Gasoline	40	152	NA	Worker Commute_NA	on			68		passenger		60	2	4800	73600	80	Automobile
223	L-04	Above-Grade Construction	Worker Commute	NA	Gasoline	30	333	NA	Worker Commute_NA	on			69		passenger		60	2	3600	1198800	60	Automobile
224	P-05	Foundation Installation	Worker Commute	NA	Gasoline	15	40	NA	Worker Commute_NA	on			70		passenger		60	2	1800	72000	30	Automobile
225	P-06	Structure Installation	Worker Commute	NA	Gasoline	15	48	NA	Worker Commute_NA	on			71		passenger		60	2	1800	86400	30	Automobile
226	P-07	Conductor Installation	Worker Commute	NA	Gasoline	30	60	NA	Worker Commute_NA	on			72		passenger		60	2	3600	216000	60	Automobile
227	L-08	Access Road Construction	Worker Commute	NA	Gasoline	12	16	NA	Worker Commute_NA	on			73		passenger		60	2	1440	23040	24	Automobile
228	L-09	Foundation Installation	Worker Commute	NA	Gasoline	12	22	NA	Worker Commute_NA	on			74		passenger		60	2	1440	31680	24	Automobile
229	L-10	Structure Installation	Worker Commute	NA	Gasoline	12	24	NA	Worker Commute_NA	on			75		passenger		60	2	1440	34560	24	Automobile
230	L-11	Conductor Installation	Worker Commute	NA	Gasoline	30	26	NA	Worker Commute_NA	on			76		passenger		60	2	3600	93600	60	Automobile
231	L-12	Transition Structure Foundation Installation	Worker Commute	NA	Gasoline	20	150	NA	Worker Commute_NA	on			77		passenger		60	2	2400	360000	40	Automobile
232	L-13	Transition Structure Installation	Worker Commute	NA	Gasoline	20	25	NA	Worker Commute_NA	on			78		passenger		60	2	2400	60000	40	Automobile
233	L-14	Submarine Cable Installation	Worker Commute	NA	Gasoline	25	147	NA	Worker Commute_NA	on			79		passenger		60	2	3000	441000	50	Automobile
234	L-15	Southern Transilten Approach Construction	Worker Commute	NA	Gasoline	25	138	NA	Worker Commute_NA	on			80		passenger		60	2	3000	414000	50	Automobile
235	L-16	Substation Getaways	Worker Commute	NA	Gasoline	20	70	NA	Worker Commute_NA	on			81		passenger		60	2	2400	168000	40	Automobile
236	P-17	Distribution Extension to Substation	Worker Commute	NA	Gasoline	10	51	NA	Worker Commute_NA	on			82		passenger		60	2	1200	61200	20	Automobile
237	L-18	Fiber Extension to Substation	Worker Commute	NA	Gasoline	12	103	NA	Worker Commute_NA	on			83		passenger		60	2	1440	148320	24	Automobile
238	P-19	Vaca Dixon, Tesla, and Pittsburg Substation Upgrades	Worker Commute	NA	Gasoline	15	102	NA	Worker Commute_NA	on			84		passenger		60	2	1800	183600	30	Automobile
239	L-20	Commissioning and Testing	Worker Commute	NA	Gasoline	24	174	NA	Worker Commute_NA	on			85		passenger		60	2	2880	501120	48	Automobile

Table 50: Average Daily Construction Emissions in BAAQMD (pounds/day)

Pollutant	2026 Unctrl	2027 Unctrl	2028 Unctrl	2026 Ctrl	2027 Ctrl	2028 Ctrl	Threshold
ROG	12.4	14.7	5.1	4.9	7.6	2.3	54
NOX	114.0	123.7	46.8	53.7	51.4	16.6	54
CO	129.8	130.4	43.7	153.5	146.1	53.7	None
SO2	0.4	0.3	0.1	0.4	0.3	0.1	None
PM10 Exhaust	4.5	6.0	2.3	2.2	3.4	1.2	82
PM10 Dust	198.5	178.8	122.9	55.0	51.0	34.1	None
PM10 Total	203.1	184.7	125.1	57.2	54.5	35.3	None
PM2.5 Exhaust	3.8	5.0	2.0	1.7	2.6	1.0	54
PM2.5 Dust	21.0	19.5	15.6	6.5	6.5	5.0	None
PM2.5 Tototal	24.8	24.5	17.6	8.2	9.1	5.9	None
CO2	35,847.2	32,783.1	12,129.0	35,847.2	32,783.1	12,129.0	None
CH4	1.1	1.0	0.4	1.1	1.0	0.4	None
N2O	1.1	0.9	0.4	1.1	0.9	0.4	None

