ATTACHMENT 1.3-A: AIR QUALITY AND GHG CALCULATIONS

1.0 INTRODUCTION

The following analyses were performed to evaluate the potential for impacts to air quality and greenhouse gas (GHG) emissions from the construction and operation of the Collinsville 500/230 Kilovolt (kV) Substation Project (Proposed Project) with the design modifications incorporated. Daily and annual emissions for the following criteria air pollutants and greenhouse gases (GHGs) from the construction and operation and maintenance (O&M) phases of the Proposed Project were calculated:

- Volatile organic compounds (VOCs),
- Carbon monoxide (CO),
- Nitrogen oxides (NO_x),
- Sulfur oxides (SO_x),
- Particulate matter (PM) less than 10 microns in diameter (PM_{10}),
- PM less than 2.5 microns in diameter ($PM_{2.5}$),
- Carbon dioxide (CO_2),
- Methane (CH_4), and
- Sulfur hexafluoride (SF_6).

The emission sources considered and the calculation methodology for each of these sources are described in the sections that follow.

1.1 EMISSION CALCULATION METHODS

Emissions were calculated for the following sources for the construction phase of the Proposed Project:

- Exhaust emissions from off-road equipment use,
- Exhaust emissions from on-road vehicle travel,
- Exhaust emissions from marine vessel use,
- Entrained road dust emissions from on-road vehicle travel,
- Fugitive dust emissions from earthwork activities, and
- Exhaust and dust emissions from helicopter use.

Emissions were calculated for the following sources for the O&M phase of the Proposed Project:

- Exhaust emissions from on-road vehicle travel,
- Entrained road dust emissions from on-road vehicle travel,
- Electricity consumption at the proposed LS Power Grid California, LLC (LSPGC) Collinsville Substation, and
- Fugitive SF_6 losses at the proposed LSPGC Collinsville Substation.

Emissions calculation methods for each of the aforementioned sources are described in the subsections that follow. Additional conversion factors (e.g., grams to pounds) were added, as

appropriate, to ensure proper units were used. These conversion factors may not be represented in the equations that follow. The results of these calculations have been included at the end of this attachment.[1]

1.1.0 Off-Road Equipment and Marine Vessel Exhaust

Exhaust emissions from off-road equipment use were calculated using the following equation:

$$E_{i,j} = EF_{i,j} \times LF_j \times H_j \times N_j$$

Where:

$E_{i,j}$ = Emissions of pollutant i from equipment type j (pounds/day)

$EF_{i,j}$ = Emission factor for pollutant i from equipment type j (pounds/operating hour)

LF_j = Load factor for equipment type j

H_j = Daily operating time for equipment type j (hours/day)

N_j = Number of pieces of equipment of type j

The emission factors used for the off-road equipment uncontrolled emissions calculations were obtained from Table G-11 of Appendix G: Default Data Tables of the California Emissions Estimator Model (CalEEMod) version 2022.1 User Guide (CalEEMod Guide). The lookup tables provided in the CalEEMod Guide were used to identify emission factors for each piece of equipment that would be used for the Proposed Project. Load factors were obtained from Table G-12 from Appendix G of the CalEEMod Guide. For marine vessels, the Sacramento Municipal Air Quality Management District's (SMAQMD's) Harborcraft, Dredge and Barge Emission Factor Calculator was used to determine emission factors and load factors for marine vessels. The results from the calculator are included in Attachment A: Marine Vessel Emission Factors.

The United States (U.S.) Environmental Protection Agency's (EPA's) Tier 4 final specifications were obtained from Table G-13 of the CalEEMod Guide and utilized to estimate controlled emissions with the incorporation of applicant-proposed measure (APM) AIR-1, which would require all construction equipment with a rating between 100 and 750 horsepower (hp) to comply with U.S. EPA Tier 4 non-road engine standards. Title 40 of the Code of Federal Regulations Part 1042 was used to identify controlled emission factors for marine vessels and are summarized in Attachment A: Marine Vessel Emission Factors.

1.1.1 On-Road Vehicle Exhaust

Exhaust emissions from on-road vehicle use were calculated using the following equation:

$$E_{i,j} = EFmile_{i,j} \times VMT_j \times N_j + EFtrip_{i,j} \times Daily\ Trips_j \times N_j$$

[1] The calculations at the end of this attachment have been refined to incorporate the Proposed Project design modifications. Changes to the calculations associated with the design modifications are shaded in blue.

Where:

$E_{i,j}$ = Emissions of pollutant *i* from motor vehicle type *j* (pounds/day)

$EFmile_{i,j}$ = Per mile emission factor for pollutant *i* from motor vehicle type *j* (pounds/mile)

VMT_j = Daily vehicle-miles-traveled (VMT) for motor vehicle type *j* (miles/day)

$EFtrip_{i,j}$ = Per trip emission factor for pollutant *i* from motor vehicle type *j* (pounds/day)

$Daily\ Trips_j$ = Number of daily trips for motor vehicle type *j*

N_j = Number of motor vehicles of type *j*

The emission factors were obtained from the California Air Resources Board's EMFAC Model.

1.1.2 On-Road Vehicle Entrained Dust

Entrained road dust emissions for paved and unpaved roads were calculated using the following equation:

$$E_{i,j} = EF_{i,j} \times VMT_j \times N_j$$

Where:

$E_{i,j}$ = Emissions of pollutant *i* from motor vehicle type *j* (pounds/day)

$EF_{i,j}$ = Emission factor for pollutant *i* from motor vehicle type *j* (pounds/mile)

VMT_j = Daily vehicle-miles-traveled (VMT) for motor vehicle type *j* (miles/day)

N_j = Number of motor vehicles of type *j*

The emission factors used for this calculation were calculated using the methods identified in Section 5.1.4 Road Dust Screen from the CalEEMod Guide. Paved emission factors were determined using the following equation:

$$EFpaved_i = [k_i \times (sL)^{0.91} \times (W)^{1.02}] \times \left(1 - \frac{P}{4N}\right)$$

Where:

$EFpaved_i$ = paved road dust emission factor for pollutant *i* (g/mile)

k_i = particle size multiplier for pollutant *i* (grams/VMT) (the U.S. EPA's AP-42 default values are 0.2 for $PM_{2.5}$ and 1.0 for PM_{10})

sL = road surface silt loading (grams/meter^2) (the U.S. EPA's AP-42 default value is 0.1)

W = average weight (short tons) of all vehicles traveling on the road (the statewide default is 2.4)

P = number of "wet" days with at least 0.01 inch of precipitation

N = number of days in the averaging period

Unpaved emission factors were determined using the following equation:

$$EFunpaved_i = \left(\frac{k(s/12)^1 (S/30)^{0.5}}{(M/0.5)^{0.2}} - C \right) \times \left(1 - \frac{P}{365}\right)$$

Where:

$EFunpaved_i$ = unpaved road dust emission factor for pollutant *i* (grams/mile)

k_i = particle size multiplier for pollutant *i* (grams/VMT) (the U.S. EPA's AP-42 default values are 81.65 for $PM_{2.5}$ and 816.47 for PM_{10})

s = surface material silt content (%) (the U.S. EPA's AP-42 default value is 8.5)

M = surface material moisture content (%) (the CalEEMod default value is 0.5)

S = mean vehicle speed (miles/hour) (the CalEEMod default value is 40)

C = emission factor for vehicle fleet exhaust, brakewear, and tirewear

P = number of "wet" days with at least 0.01 inch of precipitation

Measures C-10-C and C-11 from CalEEMod were applied to evaluate the effectiveness of applicant-proposed measure AIR-2 and Construction Measure AIR-2, resulting in 55-percent and 44-percent reductions in dust emissions, respectively.

1.1.3 Earthwork Fugitive Dust

The following equations were used to calculate emissions from grading:

$$E_i = EF_i \times A$$

$$EF_{PM10} = 0.051 \times S^2 \times F \times \frac{1}{Wb}$$

$$EF_{PM2.5} = 0.04 \times S^{2.5} \times F \times \frac{1}{Wb}$$

Where:

E_i = emissions for pollutant *i* (pounds)

A = area graded (acres)

EF_i = emission factor for pollutant *i* (pounds/acre)

S = mean vehicle speed (miles/hour) (the U.S. EPA's AP-42 default value is 7.1)

F = scaling factor (the U.S. EPA's AP-42 default value is 0.031 for $PM_{2.5}$ and 0.6 for PM_{10})

Wb = blade width of the grading equipment (feet) (the CalEEMod default is 12)

The daily graded area was determined by comparing the average daily use, by grading equipment, against standard grading efficiency values contained in Table G-14 from Appendix G of the CalEEMod Guide. Consistent with the CalEEMod Guide Section 4.4.4 Emissions Control, a 61 percent reduction in fugitive dust emissions would result from water two times daily, consistent with APM AIR-2.

The following equations were used to calculate emissions from bulldozing:

$$E_{PM_{2.5}} = \left(\frac{C_{TSP} \times s^{1.2}}{M^{1.3}}\right) \times F_{PM_{2.5}} \times Hr$$

$$E_{PM_{10}} = \left(\frac{C_{PM_{15}} \times s^{1.5}}{M^{1.4}}\right) \times F_{PM_{10}} \times Hr$$

Where:

$E_{PM_{2.5}}$ = emissions of PM2.5 (pounds)

C_{TSP}, $C_{PM_{15}}$, *s*, *M*, $F_{PM_{2.5}}$, $F_{PM_{10}}$ = constants provided by AP-42

Hr = hours of bulldozer operation (hours/day)

The bulldozing equations and constants were obtained from Appendix C of the CalEEMod Guide.

1.1.4 Helicopter Emissions

Helicopter emissions were calculated using emission factors and methods from Guidance on the Determination of Helicopter Emissions, Edition 2 prepared by Switzerland's Federal Office of Civil Aviation. Dust emissions associated with helicopter use were conservatively included in the exhaust emissions calculations.

1.1.5 Electricity Consumption

The proposed LSPGC Collinsville Substation would consume electricity during daily operation. The following equation was used to calculate the annual GHG emissions due to electricity consumption:

$$E_i = C \times EF_i$$

Where:

E_i = emissions for pollutant *i* (metric tons)

C = annual electricity consumed (kilowatt hours/year)

EF_i = emission factor for pollutant *i* (pounds/megawatt hour)

Emission factors were obtained from Table G-3 from the CalEEMod Guide.

1.1.6 Fugitive SF_6 Emissions

The new circuit breakers and gas-insulated switchgear control buildings that would be installed at the proposed LSPGC Collinsville Substation would utilize SF_6 as an insulating medium. The following equation was used to calculate the annual emissions due to the leaking of SF_6 gas during operation:

$$E_i = \frac{L}{100} \times M_i$$

Where:

E_i = SF_6 emissions (pounds of SF_6/year)

L = SF_6 leak rate (percent/year)

M_i = mass of SF_6 in equipment *i* (pounds)

1.2 EMISSIONS INPUTS

The entirety of the construction process was separated into 22 unique phases of construction. Unless otherwise specified, off-road equipment, on-road vehicles, and helicopters were assumed to operate for the entire duration of the phase. Work was assumed to occur every day of the week except Sundays and federal holidays.

1.2.0 Off-Road Equipment, Marine Vessels, and Helicopters

Off-road equipment, marine vessel, and helicopter assumptions were taken from Table 3-11: Proposed Construction Equipment and Workforce from the modified version of Chapter 3 – Project Description.

1.2.1 On-Road Vehicles

On-road vehicle requirements were taken from proposed construction equipment and workforce estimates from Table 3-11: Proposed Construction Equipment and Workforce from the modified version of Chapter 3 – Project Description. Required worker commutes for each phase were calculated by subtracting the estimated workforce from the number of 1-ton pickup trucks, 0.5-ton pickup trucks, and welding trucks. The latter three classes of on-road vehicles were assumed to return home with workers each day.

On-road vehicle distances were generally assumed to be 40 miles for each one-way vehicle trip (the approximate distance from the cities of Vallejo, Davis, and Pittsburg to the Proposed Project). Water trucks, concrete trucks, and worker vehicle commutes were assumed to be approximately 60 miles per day, allowing them to originate from locations as far away as the cities of Sacramento or Oakland. The paved and unpaved road distances for each trip type were estimated using aerial imagery. Unless specified, each vehicle was assumed to make one round trip each day.

1.2.2 Earthwork

Fugitive dust emissions were calculated during all off-road equipment use for motor graders and scrapers.

1.2.3 Electricity Consumption

Estimated values for annual electricity consumption at the proposed LSPGC Collinsville Substation were supplied by LSPGC.

1.2.4 Fugitive SF_6

The volume of SF_6 contained at the proposed LSPGC Collinsville Substation were supplied by LSPGC. A conservative leak rate of 1 percent was utilized for the calculation of all emissions.

1.3 EMISSIONS SCENARIOS

1.3.0 Bay Area Air Quality Management District

Compliance with Bay Area Air Quality Management District (BAAQMD) thresholds was evaluated by determining the average daily emissions from construction equipment and vehicle exhaust.

First, the total number of calendar days of construction within the BAAQMD was determined. The resulting total emissions for construction were then summed and divided by the number of calendar days of construction to obtain the average daily emissions. Lastly, the average daily emissions were compared to the applicable BAAQMD thresholds.

1.3.1 Sacramento Municipal Air Quality Management District

Construction within the jurisdiction of the SMAQMD would be limited to the installation of a portion of the cables associated with the proposed LSPGC 230 kV Submarine Segment. As a result, the peak daily emissions within the SMAQMD were assumed to be equal to the emissions associated with that one phase of construction (L-14). Approximately 30 percent of the submarine cable route was determined to be within the jurisdiction of the SMAQMD, with the remainder of the Proposed Project located in the jurisdiction of the BAAQMD. As a result, 30 percent of the total GHG emissions associated with the submarine cable installation (L-14) were associated with the SMAQMD. All remaining GHG emissions were associated with the BAAQMD.

ATTACHMENT A: MARINE VESSEL EMISSION FACTORS

SMAQMD Harborcraft, Dredge and Barge Emission Factor Calculator - Input Data Page

INSTRUCTIONS:

1. Enter inputs into tables A1, A2, A3, and A4 below. Required inputs must be entered to estimate emission rates, optional inputs should be entered if available.
2. After entering inputs, review status and error messages (cell E14); make changes as necessary until this cell is green indicating that inputs are ready.
3. Results may be reviewed in "MainEngineEmissRates" and "AuxEngineEmissRates" tabs, both colored yellow.

Inputs and Status

Inputs color legend	Required Input
	Optional Input
Status and error messages	OK. Default values will be applied to blank model year and HP

A1. Inventory Calendar year

Inventory Calendar Year	2026

A4. Project Information

Inputs	
Date (mm/dd/yyyy):	1/1/2026
Project Name:	Collinsville
Project Location:	Collinsville, CA
Contact Person:	Rob Curley
Company Name:	Insignia
Mailing Address:	545 Middlefield Road, Menlo Park, CA
Phone Number:	650-321-6787
Email Address:	rcurley@insigniaenv.com

A2. Main Engine Inputs

Required Inputs			**Optional Inputs**			
Vessel Name	**Vessel Type**	**No. of Engines**	**Engine Model Year**	**Engine Rated Power (hp)**	**Vessel Number**	**Home Port**
Crew Boat	Crew and Supply	1		1200		
Smal Boats	Others	1		250		
Support Vessel	Work Boats	1		200		
Survey Vessel	Work Boats	1		250		
Tug Boat 1000	Tug Boats	2		500		
Tug Boat 1200	Tug Boats	2		600		
Tug Boat 1320	Tug Boats	2		660		
Tug Boat 2000	Tug Boats	2		1000		
Tug Boat 3000	Tug Boats	2		1500		

A3. Auxiliary Engine Inputs

Required Inputs			**Optional Inputs**	
Vessel Name	**Auxiliary Engine Type**	**No. of Engines**	**Engine Model Year**	**Engine Rated Power (hp)**

SMAQMD Harborcraft, Dredge and Barge Emission Factor Calculator - Main Engine Emission Rates

Calendar Year: 2026 **Number of Entries:** 9

Vessel/Engine Information								Emission Rates (lb/hr; estimates for each row are totals over the number of engines listed in column J for that row)										Emission Rates for a Single Engine (g/bhp-hr)									
Vessel Name	Vessel Number	Home Port	Vessel Type	Engine Model Year	Engine Rated Power (hp)	Engine Load Factor	Number of engines	PM_{10}	$PM_{2.5}$	NOx	ROG	CO	SO_2	CO_2	CH_4	N_2O	CO_2e	PM_{10}	$PM_{2.5}$	NOx	ROG	CO	SO_2	CO_2	CH_4	N_2O	CO_2e
Crew Boat			Crew and Supply	1998	1200	0.38	1	0.676	0.602	14.968	1.059	3.761	0.006	594.182	0.024	0.005	596.221	0.673	0.599	14.889	1.054	3.741	0.006	591.045	0.024	0.005	593.1
Smal Boats			Others	2003	250	0.52	1	0.119	0.107	2.264	0.180	0.655	0.002	169.394	0.007	0.001	169.975	0.416	0.373	7.900	0.627	2.286	0.006	591.045	0.024	0.005	593.1
Support Vesse			Work Boats	2009	200	0.45	1	0.034	0.031	1.094	0.124	0.859	0.001	117.273	0.005	0.001	117.675	0.173	0.155	5.513	0.627	4.327	0.006	591.045	0.024	0.005	593.1
Survey Vessel			Work Boats	2009	250	0.45	1	0.043	0.038	1.367	0.155	1.073	0.001	146.591	0.006	0.001	147.094	0.173	0.155	5.513	0.627	4.327	0.006	591.045	0.024	0.005	593.1
Tug Boat 1000			Tug Boats	2005	500	0.50	2	0.221	0.197	6.451	0.777	5.140	0.006	651.516	0.026	0.005	653.751	0.200	0.178	5.852	0.705	4.663	0.006	591.045	0.024	0.005	593.1
Tug Boat 1200			Tug Boats	2005	600	0.50	2	0.638	0.568	11.092	0.933	3.259	0.007	781.819	0.032	0.006	784.502	0.482	0.429	8.385	0.705	2.464	0.006	591.045	0.024	0.005	593.1
Tug Boat 1320			Tug Boats	2005	660	0.50	2	0.702	0.625	12.201	1.026	3.585	0.008	860.001	0.035	0.007	862.952	0.482	0.429	8.385	0.705	2.464	0.006	591.045	0.024	0.005	593.1
Tug Boat 2000			Tug Boats	2005	1000	0.50	2	1.063	0.947	18.486	1.554	5.432	0.012	1303.031	0.053	0.011	1307.503	0.482	0.429	8.385	0.705	2.464	0.006	591.045	0.024	0.005	593.1
Tug Boat 3000			Tug Boats	2005	1500	0.50	2	1.595	1.420	27.729	2.331	8.147	0.018	1954.547	0.079	0.016	1961.254	0.482	0.429	8.385	0.705	2.464	0.006	591.045	0.024	0.005	593.1

Tier 3 Marine Vessel Emission Factors

Tier	Vessel Category	Vessel Type	Displace Low	Displace High	Engine Power Low (kW)	Engine Power High (kW)	Engine Power Low (HP)	Engine Power High (HP)	Model Year Low	Model Year High	PM	NOx	Notes	Control Bin
3	1	All	0	0.9	0	19	0.0	25.5	2009		0.4	7.5		1
3	1	All	0	0.9	19	75	25.5	100.6	2009	2013	0.3	4.7		2
3	1	All	0	0.9	19	75	25.5	100.6	2014		0.3	4.7		3
3	1	Commercial	0	0.9	0	75	0.0	100.6	2012		0.14	5.4	With kW/L < 35	4
3	1	Commercial	0.9	1.2	0	3700	0.0	4961.8	2013		0.12	5.4	With kW/L < 35	5
3	1	Commercial	1.2	2.5	0	600	0.0	804.6	2014	2017	0.11	5.6	With kW/L < 35	6
3	1	Commercial	1.2	2.5	0	600	0.0	804.6	2018		0.1	5.6	With kW/L < 35	7
3	1	Commercial	1.2	2.5	600	3700	804.6	4961.8	2014		0.11	5.6	With kW/L < 35	8
3	1	Commerical	2.5	3.5	0	600	0.0	804.6	2013	2017	0.11	5.6	With kW/L < 35	9
3	1	Commerical	2.5	3.5	0	600	0.0	804.6	2018		0.1	5.6	With kW/L < 35	10
3	1	Commerical	2.5	3.5	600	3700	804.6	4961.8	2013		0.11	5.6	With kW/L < 35	11
3	1	Commerical	3.5	7	0	600	0.0	804.6	2012	2017	0.11	5.8	With kW/L < 35	12
3	1	Commerical	3.5	7	0	600	0.0	804.6	2018		0.1	5.8	With kW/L < 35	13
3	1	Commerical	3.5	7	600	3700	804.6	4961.8	2012		0.11	5.8	With kW/L < 35	14
3	1	Commerical	0	0.9	0	75	0.0	100.6	2012		0.15	5.8	With kW/L > 35	15
3	1	Commerical	0.9	1.2	0	3700	0.0	4961.8	2013		0.14	5.8	With kW/L > 35	16
3	1	Commerical	1.2	2.5	0	3700	0.0	4961.8	2014		0.12	5.8	With kW/L > 35	17
3	1	Commerical	2.5	3.5	0	3700	0.0	4961.8	2013		0.12	5.8	With kW/L > 35	18
3	1	Commerical	3.5	7	0	3700	0.0	4961.8	2012		0.11	5.8	With kW/L > 35	19
3	2	Commercial	7	15	0	2000	0.0	2682.0	2013		0.14	6.2		20
3	2	Commercial	7	15	2000	3700	2682.0	4961.8	2013		0.14	7.8		21
3	2	Commerical	15	20	0	2000	0.0	2682.0	2014		0.34	7		22
3	2	Commerical	20	25	0	2000	0.0	2682.0	2014		0.27	9.8		23
3	2	Commerical	25	30	0	2000	0.0	2682.0	2014		0.27	11		24

ATTACHMENT B: CALCULATION RESULTS

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
Bay Area AQMD	2026	HHDT	Aggregate	Aggregate	Gasoline	16.67019177	566686.9881	566687	0	109066.7
Bay Area AQMD	2026	HHDT	Aggregate	Aggregate	Diesel	37718.53643	1348564029	1.35E+09	0	1.73E+08
Bay Area AQMD	2026	LDA	Aggregate	Aggregate	Gasoline	2201973.535	27750180514	2.78E+10	0	3.54E+09
Bay Area AQMD	2026	LDA	Aggregate	Aggregate	Diesel	7333.286765	68824497.23	68824497	0	10664677
Bay Area AQMD	2026	LDT1	Aggregate	Aggregate	Gasoline	206448.5686	2305115213	2.31E+09	0	3.18E+08
Bay Area AQMD	2026	LDT1	Aggregate	Aggregate	Diesel	90.0501492	358159.7252	358159.7	0	85589.27
Bay Area AQMD	2026	LDT2	Aggregate	Aggregate	Gasoline	1129979.049	14334515685	1.43E+10	0	1.84E+09
Bay Area AQMD	2026	LDT2	Aggregate	Aggregate	Diesel	4539.432945	57876308.33	57876308	0	7418736
Bay Area AQMD	2026	MHDT	Aggregate	Aggregate	Gasoline	6383.175456	109682894.3	1.1E+08	0	41762666
Bay Area AQMD	2026	MHDT	Aggregate	Aggregate	Diesel	48424.69575	621444878.8	6.21E+08	0	1.8E+08
Bay Area AQMD	2027	HHDT	Aggregate	Aggregate	Gasoline	15.9155131	539319.5728	539319.6	0	104129.1
Bay Area AQMD	2027	HHDT	Aggregate	Aggregate	Diesel	38306.74535	1355696519	1.36E+09	0	1.76E+08
Bay Area AQMD	2027	LDA	Aggregate	Aggregate	Gasoline	2197108.395	27663299327	2.77E+10	0	3.53E+09
Bay Area AQMD	2027	LDA	Aggregate	Aggregate	Diesel	6597.393169	61521432.62	61521433	0	9607141
Bay Area AQMD	2027	LDT1	Aggregate	Aggregate	Gasoline	202253.5734	2250002690	2.25E+09	0	3.11E+08
Bay Area AQMD	2027	LDT1	Aggregate	Aggregate	Diesel	34.53976288	142497.7358	142497.7	0	33406.55
Bay Area AQMD	2027	LDT2	Aggregate	Aggregate	Gasoline	1152289.587	14515768034	1.45E+10	0	1.87E+09
Bay Area AQMD	2027	LDT2	Aggregate	Aggregate	Diesel	4608.748126	58129232.14	58129232	0	7514367
Bay Area AQMD	2027	MHDT	Aggregate	Aggregate	Gasoline	6299.244031	108346472.5	1.08E+08	0	41213535
Bay Area AQMD	2027	MHDT	Aggregate	Aggregate	Diesel	48915.06097	620351542.6	6.2E+08	0	1.82E+08
Bay Area AQMD	2028	HHDT	Aggregate	Aggregate	Gasoline	14.86151985	510247.8572	510247.9	0	97233.22
Bay Area AQMD	2028	HHDT	Aggregate	Aggregate	Diesel	38742.94565	1359986091	1.36E+09	0	1.78E+08
Bay Area AQMD	2028	LDA	Aggregate	Aggregate	Gasoline	2193417.476	27597401453	2.76E+10	0	3.52E+09
Bay Area AQMD	2028	LDA	Aggregate	Aggregate	Diesel	5845.574089	54712768.94	54712769	0	8561466
Bay Area AQMD	2028	LDT1	Aggregate	Aggregate	Gasoline	198343.875	2198627793	2.2E+09	0	3.05E+08
Bay Area AQMD	2028	LDT1	Aggregate	Aggregate	Diesel	21.12239241	89335.94242	89335.94	0	20559.28
Bay Area AQMD	2028	LDT2	Aggregate	Aggregate	Gasoline	1173914.965	14681308974	1.47E+10	0	1.9E+09
Bay Area AQMD	2028	LDT2	Aggregate	Aggregate	Diesel	4666.407485	58285525.47	58285525	0	7591527
Bay Area AQMD	2028	MHDT	Aggregate	Aggregate	Gasoline	6200.947223	106413908	1.06E+08	0	40570417
Bay Area AQMD	2028	MHDT	Aggregate	Aggregate	Diesel	49153.38842	615866247.9	6.16E+08	0	1.83E+08

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 4: EMFAC On-Road Emissions

Region	Calendar Year	Vehicle Category	NOx_RUNEX	NOx_IDLEX	NOx_STREX	PM2.5_RUNEX	PM2.5_IDLEX
Bay Area AQMD	2026	HHDT	2.4965788	0	0.013934739	0.000879047	0
Bay Area AQMD	2026	HHDT	2677.565244	777.8138631	562.1145829	38.06233285	0.375834672
Bay Area AQMD	2026	LDA	1098.678565	0	940.8186436	34.31026726	0
Bay Area AQMD	2026	LDA	13.66233797	0	0	1.110294784	0
Bay Area AQMD	2026	LDT1	257.3413214	0	124.2761633	3.919454932	0
Bay Area AQMD	2026	LDT1	0.633574578	0	0	0.093137552	0
Bay Area AQMD	2026	LDT2	851.6892463	0	599.8384108	18.35819433	0
Bay Area AQMD	2026	LDT2	2.54524009	0	0	0.296925446	0
Bay Area AQMD	2026	MHDT	41.77593421	0.193930025	18.97874156	0.157309271	0
Bay Area AQMD	2026	MHDT	701.4331538	199.7981395	326.6133808	7.035942803	0.319810305
Bay Area AQMD	2027	HHDT	2.29387698	0	0.012124662	0.000832548	0
Bay Area AQMD	2027	HHDT	2603.161544	771.8423564	572.2488519	38.03654294	0.367901885
Bay Area AQMD	2027	LDA	1013.086443	0	901.3139489	32.6414504	0
Bay Area AQMD	2027	LDA	10.60046684	0	0	0.862564322	0
Bay Area AQMD	2027	LDT1	225.9047184	0	115.3166423	3.604221049	0
Bay Area AQMD	2027	LDT1	0.20537484	0	0	0.030922421	0
Bay Area AQMD	2027	LDT2	792.1162538	0	582.7992973	17.73740867	0
Bay Area AQMD	2027	LDT2	2.355312219	0	0	0.283336875	0
Bay Area AQMD	2027	MHDT	35.50234782	0.186505085	18.13380737	0.155480046	0
Bay Area AQMD	2027	MHDT	641.7191243	192.2201789	328.3921236	6.147160591	0.267159009
Bay Area AQMD	2028	HHDT	2.087315391	0	0.009834695	0.000774377	0
Bay Area AQMD	2028	HHDT	2525.315627	764.2144917	576.2102381	37.92836029	0.358082275
Bay Area AQMD	2028	LDA	944.2146789	0	867.7325808	30.75339027	0
Bay Area AQMD	2028	LDA	8.004830867	0	0	0.630793095	0
Bay Area AQMD	2028	LDT1	198.6974403	0	107.2254586	3.301241728	0
Bay Area AQMD	2028	LDT1	0.114630093	0	0	0.017018325	0
Bay Area AQMD	2028	LDT2	741.0536972	0	569.1796435	16.94266981	0
Bay Area AQMD	2028	LDT2	2.227340322	0	0	0.274925644	0
Bay Area AQMD	2028	MHDT	30.03019881	0.178401201	17.067087	0.153040405	0
Bay Area AQMD	2028	MHDT	585.7035256	184.23239	324.5501484	5.383814529	0.223171027

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

Table 4: EMFAC On-Road Emissions

Region	Calendar Year	Vehicle Category	PM2.5_STREX	PM2.5_PMTW	PM2.5_PMBW	PM10_RUNEX	PM10_IDLEX	PM10_STREX
Bay Area AQMD	2026	HHDT	7.83063E-05	0.003123327	0.019720632	0.000956044	0	8.51653E-05
Bay Area AQMD	2026	HHDT	0	13.08426783	41.17753767	39.78334265	0.392828248	0
Bay Area AQMD	2026	LDA	7.206496492	61.17867572	78.40030258	37.31554614	0	7.837722462
Bay Area AQMD	2026	LDA	0	0.151732044	0.200233403	1.160497387	0	0
Bay Area AQMD	2026	LDT1	0.865657457	5.081909145	7.967121157	4.262764853	0	0.941481468
Bay Area AQMD	2026	LDT1	0	0.000789607	0.001455458	0.097348819	0	0
Bay Area AQMD	2026	LDT2	3.776721039	31.60219755	47.64176982	19.96621135	0	4.107528721
Bay Area AQMD	2026	LDT2	0	0.127595419	0.19417608	0.310351098	0	0
Bay Area AQMD	2026	MHDT	0.022201105	0.362714085	1.904986402	0.171088185	0	0.024145727
Bay Area AQMD	2026	MHDT	0	2.055077157	10.92722678	7.354076915	0.334270708	0
Bay Area AQMD	2027	HHDT	6.96174E-05	0.00297249	0.018778113	0.000905472	0	7.57153E-05
Bay Area AQMD	2027	HHDT	0	13.15643864	41.62566068	39.75638663	0.384536776	0
Bay Area AQMD	2027	LDA	6.938481495	60.98713549	78.14869824	35.50055555	0	7.546231699
Bay Area AQMD	2027	LDA	0	0.135631542	0.179232601	0.901565653	0	0
Bay Area AQMD	2027	LDT1	0.804161177	4.960406829	7.772789083	3.919919243	0	0.874598652
Bay Area AQMD	2027	LDT1	0	0.000314154	0.000570668	0.032320595	0	0
Bay Area AQMD	2027	LDT2	3.706993895	32.00179058	48.28969214	19.2910503	0	4.03169409
Bay Area AQMD	2027	LDT2	0	0.12815302	0.195246878	0.296148111	0	0
Bay Area AQMD	2027	MHDT	0.021425088	0.358294626	1.881775259	0.169098736	0	0.023301738
Bay Area AQMD	2027	MHDT	0	2.051461566	10.90810777	6.425107915	0.279238754	0
Bay Area AQMD	2028	HHDT	5.94927E-05	0.00281226	0.01776852	0.000842206	0	6.47038E-05
Bay Area AQMD	2028	HHDT	0	13.20197094	41.9813985	39.64331244	0.374273167	0
Bay Area AQMD	2028	LDA	6.627544954	60.84185555	77.95621734	33.44711788	0	7.20805984
Bay Area AQMD	2028	LDA	0	0.120621008	0.159526941	0.659314759	0	0
Bay Area AQMD	2028	LDT1	0.746391843	4.84714457	7.590135432	3.590401587	0	0.811769231
Bay Area AQMD	2028	LDT1	0	0.000196952	0.000350508	0.017787818	0	0
Bay Area AQMD	2028	LDT2	3.60186984	32.36674588	48.88850237	18.42669928	0	3.917362089
Bay Area AQMD	2028	LDT2	0	0.128497588	0.195880775	0.287356562	0	0
Bay Area AQMD	2028	MHDT	0.020728619	0.351903763	1.848210234	0.166445405	0	0.022544264
Bay Area AQMD	2028	MHDT	0	2.036628993	10.82937612	5.627246732	0.233261831	0

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

Table 4: EMFAC On-Road Emissions

Region	Calendar Year	Vehicle Category	PM10_PMTW	PM10_PMBW	CO2_RUNEX	CO2_IDLEX	CO2_STREX	CH4_RUNEX
Bay Area AQMD	2026	HHDT	0.01249331	0.056344662	1379.26997	0	6.287682947	0.072886199
Bay Area AQMD	2026	HHDT	52.33707133	117.6501076	2355807.945	150371.2987	0	1.115885907
Bay Area AQMD	2026	LDA	244.7147029	224.0008645	8130441.517	0	262447.9549	60.36890577
Bay Area AQMD	2026	LDA	0.606928174	0.572095437	17670.84404	0	0	0.088514242
Bay Area AQMD	2026	LDT1	20.32763658	22.76320331	808023.107	0	29176.7585	12.33775629
Bay Area AQMD	2026	LDT1	0.003158428	0.004158451	165.5139121	0	0	0.005503532
Bay Area AQMD	2026	LDT2	126.4087902	136.1193423	5138844.497	0	167474.9833	37.23394584
Bay Area AQMD	2026	LDT2	0.510381674	0.5547888	19316.31291	0	0	0.039106158
Bay Area AQMD	2026	MHDT	1.45085634	5.442818291	210822.3259	1210.456662	2067.087446	1.320837774
Bay Area AQMD	2026	MHDT	8.220308628	31.22064793	778025.4263	36929.82015	0	0.743882214
Bay Area AQMD	2027	HHDT	0.011889961	0.05365175	1294.876692	0	5.919077478	0.066709458
Bay Area AQMD	2027	HHDT	52.62575458	118.9304591	2328106.684	149885.1543	0	1.085332728
Bay Area AQMD	2027	LDA	243.948542	223.281995	7942056.016	0	256149.5315	55.46240075
Bay Area AQMD	2027	LDA	0.542526168	0.512093144	15605.37348	0	0	0.071177155
Bay Area AQMD	2027	LDT1	19.84162732	22.20796881	774902.4146	0	27954.66462	10.82454643
Bay Area AQMD	2027	LDT1	0.001256615	0.001630481	62.82667874	0	0	0.001883601
Bay Area AQMD	2027	LDT2	128.0071623	137.970549	5093336.899	0	166710.6797	35.2554876
Bay Area AQMD	2027	LDT2	0.512612081	0.557848222	19026.24506	0	0	0.038341624
Bay Area AQMD	2027	MHDT	1.433178506	5.376500739	206061.2063	1184.308898	2007.730403	1.123944193
Bay Area AQMD	2027	MHDT	8.205846266	31.1660222	772314.0822	36985.5998	0	0.6493946
Bay Area AQMD	2028	HHDT	0.01124904	0.050767201	1208.237691	0	5.48519505	0.061134064
Bay Area AQMD	2028	HHDT	52.80788376	119.9468528	2293198.874	148886.1892	0	1.053412344
Bay Area AQMD	2028	LDA	243.3674222	222.7320495	7773735.028	0	250416.6756	51.38966499
Bay Area AQMD	2028	LDA	0.482484032	0.455791259	13680.53	0	0	0.057747872
Bay Area AQMD	2028	LDT1	19.38857828	21.68610123	744311.4552	0	26830.66258	9.56390726
Bay Area AQMD	2028	LDT1	0.000787808	0.001001452	38.072558	0	0	0.001279248
Bay Area AQMD	2028	LDT2	129.4669835	139.6814353	5050582.322	0	166041.2316	33.55133315
Bay Area AQMD	2028	LDT2	0.513990352	0.559659358	18723.64818	0	0	0.037978388
Bay Area AQMD	2028	MHDT	1.407615053	5.280600668	200418.4863	1156.183194	1946.617499	0.962329224
Bay Area AQMD	2028	MHDT	8.146515972	30.94107464	762405.2734	36861.07842	0	0.568296257

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

Table 4: EMFAC On-Road Emissions

Region	Calendar Year	Vehicle Category	CH4_IDLEX	CH4_STREX	N2O_RUNEX	N2O_IDLEX	N2O_STREX	ROG_RUNEX
Bay Area AQMD	2026	HHDT	0	1.48451E-05	0.095113372	0	0.000469916	0.363921998
Bay Area AQMD	2026	HHDT	3.065712397	0	371.1585011	23.69105936	0	24.02471758
Bay Area AQMD	2026	LDA	0	255.8341023	130.1214785	0	123.6650309	224.5504966
Bay Area AQMD	2026	LDA	0	0	2.784048675	0	0	1.905659522
Bay Area AQMD	2026	LDT1	0	33.56919811	20.10432847	0	13.03026186	53.76403543
Bay Area AQMD	2026	LDT1	0	0	0.026076784	0	0	0.118487798
Bay Area AQMD	2026	LDT2	0	150.5969466	81.12236993	0	70.92666797	140.9293489
Bay Area AQMD	2026	LDT2	0	0	3.043292966	0	0	0.841932547
Bay Area AQMD	2026	MHDT	0.607681921	2.075941225	2.195044357	0.016533032	1.489827077	6.430756477
Bay Area AQMD	2026	MHDT	0.171129701	0	122.5782228	5.818308204	0	16.01558009
Bay Area AQMD	2027	HHDT	0	1.39055E-05	0.088682842	0	0.000428721	0.329252399
Bay Area AQMD	2027	HHDT	3.108331705	0	366.7941561	23.6144671	0	23.366916
Bay Area AQMD	2027	LDA	0	241.4743199	124.3815208	0	120.3969663	202.8761847
Bay Area AQMD	2027	LDA	0	0	2.458632947	0	0	1.53240224
Bay Area AQMD	2027	LDT1	0	30.81280566	18.17672776	0	12.40483261	46.72268947
Bay Area AQMD	2027	LDT1	0	0	0.009898369	0	0	0.040552815
Bay Area AQMD	2027	LDT2	0	145.9257074	78.31098091	0	70.54811964	131.6450132
Bay Area AQMD	2027	LDT2	0	0	2.997592657	0	0	0.825472594
Bay Area AQMD	2027	MHDT	0.603980898	1.995362484	1.947742156	0.016100961	1.455444201	5.397432729
Bay Area AQMD	2027	MHDT	0.166132169	0	121.6783982	5.827096311	0	13.98128766
Bay Area AQMD	2028	HHDT	0	1.2444E-05	0.081980532	0	0.00033368	0.297522953
Bay Area AQMD	2028	HHDT	3.141649083	0	361.2944165	23.45707974	0	22.67967889
Bay Area AQMD	2028	LDA	0	228.5634474	119.7300184	0	117.567182	184.9278297
Bay Area AQMD	2028	LDA	0	0	2.155373073	0	0	1.243277687
Bay Area AQMD	2028	LDT1	0	28.36101455	16.51051972	0	11.83397689	40.89127244
Bay Area AQMD	2028	LDT1	0	0	0.005998347	0	0	0.027541464
Bay Area AQMD	2028	LDT2	0	141.6320721	75.916354	0	70.37156068	123.6013282
Bay Area AQMD	2028	LDT2	0	0	2.949918396	0	0	0.817652323
Bay Area AQMD	2028	MHDT	0.597933961	1.917913415	1.713772648	0.015595007	1.39438192	4.552558831
Bay Area AQMD	2028	MHDT	0.161521379	0	120.1172613	5.807477916	0	12.23526257

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

Table 4: EMFAC On-Road Emissions

Region	Calendar Year	Vehicle Category	ROG_IDLEX	ROG_STREX	ROG_HOTSOAK	ROG_RUNLOSS	ROG_DIURN	TOG_RUNEX
Bay Area AQMD	2026	HHDT	0	8.05097E-05	0.00657775	0.054435275	0.021213233	0.531034125
Bay Area AQMD	2026	HHDT	66.00394721	0	0	0	0	27.35031217
Bay Area AQMD	2026	LDA	0	1159.041195	339.6712782	899.2120944	1169.347113	327.6635575
Bay Area AQMD	2026	LDA	0	0	0	0	0	2.169466669
Bay Area AQMD	2026	LDT1	0	170.068811	54.4213514	154.2063636	194.1789441	78.4523543
Bay Area AQMD	2026	LDT1	0	0	0	0	0	0.13489048
Bay Area AQMD	2026	LDT2	0	684.2905867	152.8500682	421.6525586	555.1105981	205.6437751
Bay Area AQMD	2026	LDT2	0	0	0	0	0	0.95848423
Bay Area AQMD	2026	MHDT	2.340630993	11.25653442	1.389377986	11.33581914	5.593171737	9.383744756
Bay Area AQMD	2026	MHDT	3.68437554	0	0	0	0	18.2325188
Bay Area AQMD	2027	HHDT	0	7.53825E-05	0.005899188	0.049017823	0.019646806	0.480444327
Bay Area AQMD	2027	HHDT	66.92152923	0	0	0	0	26.60145515
Bay Area AQMD	2027	LDA	0	1084.037553	326.8392802	886.226034	1151.397124	296.0364524
Bay Area AQMD	2027	LDA	0	0	0	0	0	1.744538069
Bay Area AQMD	2027	LDT1	0	154.4245762	50.59842008	143.8911084	183.1154726	68.1776388
Bay Area AQMD	2027	LDT1	0	0	0	0	0	0.046166684
Bay Area AQMD	2027	LDT2	0	657.5018361	150.4353291	422.5970054	555.859067	192.0960942
Bay Area AQMD	2027	LDT2	0	0	0	0	0	0.939745667
Bay Area AQMD	2027	MHDT	2.313722046	10.69561068	1.296168606	10.75466159	5.373085499	7.875921168
Bay Area AQMD	2027	MHDT	3.576780041	0	0	0	0	15.91663173
Bay Area AQMD	2028	HHDT	0	6.74402E-05	0.004668465	0.038108171	0.015621245	0.434144794
Bay Area AQMD	2028	HHDT	67.63884325	0	0	0	0	25.81908801
Bay Area AQMD	2028	LDA	0	1017.278274	312.5838374	865.3677633	1124.482596	269.846255
Bay Area AQMD	2028	LDA	0	0	0	0	0	1.415388988
Bay Area AQMD	2028	LDT1	0	140.6430453	47.6876891	138.1925935	177.2664421	59.66844875
Bay Area AQMD	2028	LDT1	0	0	0	0	0	0.031354126
Bay Area AQMD	2028	LDT2	0	633.031268	146.8938357	418.7952748	550.9924624	180.3587679
Bay Area AQMD	2028	LDT2	0	0	0	0	0	0.930842809
Bay Area AQMD	2028	MHDT	2.280942084	10.16844859	1.193490761	10.01885313	5.050611273	6.643083159
Bay Area AQMD	2028	MHDT	3.477511001	0	0	0	0	13.92891508

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

Table 4: EMFAC On-Road Emissions

Region	Calendar Year	Vehicle Category	TOG_IDLEX	TOG_STREX	TOG_HOTSOAK	TOG_RUNLOSS	TOG_DIURN	NH3_RUNEX
Bay Area AQMD	2026	HHDT	0	8.8148E-05	0.00657775	0.054435275	0.021213233	0.028074021
Bay Area AQMD	2026	HHDT	75.1404696	0	0	0	0	320.3095125
Bay Area AQMD	2026	LDA	0	1269.004217	339.6712782	899.2120944	1169.347113	1115.660399
Bay Area AQMD	2026	LDA	0	0	0	0	0	0.2351846
Bay Area AQMD	2026	LDT1	0	186.2039411	54.4213514	154.2063636	194.1789441	93.17502004
Bay Area AQMD	2026	LDT1	0	0	0	0	0	0.001223891
Bay Area AQMD	2026	LDT2	0	749.2120593	152.8500682	421.6525586	555.1105981	597.9824768
Bay Area AQMD	2026	LDT2	0	0	0	0	0	0.197772842
Bay Area AQMD	2026	MHDT	3.415443251	12.3244883	1.389377986	11.33581914	5.593171737	5.440251505
Bay Area AQMD	2026	MHDT	4.194381093	0	0	0	0	145.847533
Bay Area AQMD	2027	HHDT	0	8.25344E-05	0.005899188	0.049017823	0.019646806	0.026725952
Bay Area AQMD	2027	HHDT	76.18506687	0	0	0	0	322.5937688
Bay Area AQMD	2027	LDA	0	1186.88467	326.8392802	886.226034	1151.397124	1136.681422
Bay Area AQMD	2027	LDA	0	0	0	0	0	0.21022883
Bay Area AQMD	2027	LDT1	0	169.0754731	50.59842008	143.8911084	183.1154726	91.9900851
Bay Area AQMD	2027	LDT1	0	0	0	0	0	0.000486938
Bay Area AQMD	2027	LDT2	0	719.8817493	150.4353291	422.5970054	555.859067	615.3578168
Bay Area AQMD	2027	LDT2	0	0	0	0	0	0.198637124
Bay Area AQMD	2027	MHDT	3.376177778	11.71034742	1.296168606	10.75466159	5.373085499	5.374417855
Bay Area AQMD	2027	MHDT	4.071891807	0	0	0	0	146.2886173
Bay Area AQMD	2028	HHDT	0	7.38386E-05	0.004668465	0.038108171	0.015621245	0.025310332
Bay Area AQMD	2028	HHDT	77.00167429	0	0	0	0	324.1859842
Bay Area AQMD	2028	LDA	0	1113.791663	312.5838374	865.3677633	1124.482596	1156.23429
Bay Area AQMD	2028	LDA	0	0	0	0	0	0.186962509
Bay Area AQMD	2028	LDT1	0	153.9864316	47.6876891	138.1925935	177.2664421	90.88810618
Bay Area AQMD	2028	LDT1	0	0	0	0	0	0.000305276
Bay Area AQMD	2028	LDT2	0	693.0895574	146.8938357	418.7952748	550.9924624	631.0563312
Bay Area AQMD	2028	LDT2	0	0	0	0	0	0.199171204
Bay Area AQMD	2028	MHDT	3.328345335	11.13317128	1.193490761	10.01885313	5.050611273	5.278554936
Bay Area AQMD	2028	MHDT	3.958881562	0	0	0	0	145.8098143

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

Table 4: EMFAC On-Road Emissions

Region	Calendar Year	Vehicle Category	CO_RUNEX	CO_IDLEX	CO_STREX	SOx_RUNEX	SOx_IDLEX	SOx_STREX
Bay Area AQMD	2026	HHDT	20.13130166	0	0.562290044	0.013635488	0	6.21601E-05
Bay Area AQMD	2026	HHDT	112.8474577	962.465791	0	22.30809249	1.423926279	0
Bay Area AQMD	2026	LDA	19829.51148	0	11683.60557	80.37769182	0	2.594565226
Bay Area AQMD	2026	LDA	24.93573649	0	0	0.167440228	0	0
Bay Area AQMD	2026	LDT1	2947.709564	0	1674.554091	7.988131044	0	0.288441962
Bay Area AQMD	2026	LDT1	0.663838256	0	0	0.001568328	0	0
Bay Area AQMD	2026	LDT2	11341.2022	0	6732.716232	50.8027096	0	1.655660712
Bay Area AQMD	2026	LDT2	8.67212781	0	0	0.183031881	0	0
Bay Area AQMD	2026	MHDT	131.5557342	34.9028962	243.1565826	2.084193325	0.011966596	0.020435264
Bay Area AQMD	2026	MHDT	66.22196671	124.807179	0	7.367435536	0.349703313	0
Bay Area AQMD	2027	HHDT	18.73311055	0	0.523096584	0.012801174	0	5.85161E-05
Bay Area AQMD	2027	HHDT	107.9377858	977.335726	0	22.04577811	1.419322781	0
Bay Area AQMD	2027	LDA	18849.69649	0	11067.19767	78.51530935	0	2.5322989
Bay Area AQMD	2027	LDA	21.44990662	0	0	0.147868844	0	0
Bay Area AQMD	2027	LDT1	2665.80069	0	1529.258024	7.66069928	0	0.27636032
Bay Area AQMD	2027	LDT1	0.294451338	0	0	0.000595315	0	0
Bay Area AQMD	2027	LDT2	11010.52786	0	6548.785211	50.35282066	0	1.648104793
Bay Area AQMD	2027	LDT2	8.614906658	0	0	0.180283341	0	0
Bay Area AQMD	2027	MHDT	108.8042962	34.4888727	229.8894197	2.037124811	0.011708099	0.019848459
Bay Area AQMD	2027	MHDT	60.69044304	126.008847	0	7.313352523	0.350231513	0
Bay Area AQMD	2028	HHDT	17.56759368	0	0.507035384	0.01194466	0	5.42267E-05
Bay Area AQMD	2028	HHDT	103.1664057	989.273001	0	21.71522203	1.409863179	0
Bay Area AQMD	2028	LDA	18031.44687	0	10521.68744	76.85128503	0	2.475623782
Bay Area AQMD	2028	LDA	18.19478943	0	0	0.129629974	0	0
Bay Area AQMD	2028	LDT1	2428.572486	0	1402.024403	7.358276502	0	0.265248415
Bay Area AQMD	2028	LDT1	0.197580081	0	0	0.000360757	0	0
Bay Area AQMD	2028	LDT2	10740.90042	0	6389.288547	49.93014814	0	1.641486618
Bay Area AQMD	2028	LDT2	8.568149587	0	0	0.177416082	0	0
Bay Area AQMD	2028	MHDT	90.05483707	33.9893124	217.0877696	1.981340779	0.011430048	0.019244296
Bay Area AQMD	2028	MHDT	55.75976531	126.614565	0	7.219522029	0.34905237	0

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

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_Gasolir	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_Gasolir	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_Gasolir	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: Uncontrolled Marine Vessel Emission Rates (lb/hr)

Vessel Name	Equip_concat	Vessel Type	Engine Model Year	Engine Rated Power (hp)	Engine Load Factor	Number of Engines	Control Bin	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O	CO2e
Smal Boats	Small Boats_250	Others	2003	250	0.52	1		0.180	2.264	0.655	0.002	0.119	0.107	169.394	0.007	0.001	169.975
Survey Vessel	Survey Vessel_250	Work Boats	2009	150	0.45	1		0.155	1.367	1.073	0.001	0.043	0.038	146.591	0.006	0.001	147.094
Anchor Tug	Anchor Tug_1320	Tug Boats	2005	660	0.5	2		1.026	12.201	3.585	0.008	0.702	0.625	860.001	0.035	0.007	862.952
Barge Tug	Barge Tug_2000	Tug Boats	2005	1000	0.5	2		1.554	18.486	5.432	0.012	1.063	0.947	1303.031	0.053	0.011	1307.503

Table 9: Controlled Marine Vessel Emission Rates (lb/hr)

Vessel Name	Equip_concat	Vessel Type	Engine Model Year	Engine Rated Power (hp)	Engine Load Factor	Number of Engines	Control Bin	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O	CO2e
Smal Boats	Small Boats_250	Others	2003	250	0.52	1	5	0.180	2.219	0.655	0.002	0.049	0.044	169.394	0.007	0.001	169.975
Survey Vessel	Survey Vessel_250	Work Boats	2009	150	0.45	1	5	0.155	1.332	1.073	0.001	0.030	0.027	146.591	0.006	0.001	147.094
Anchor Tug	Anchor Tug_1320	Tug Boats	2013	660	0.5	2	9	1.026	6.076	3.585	0.008	0.119	0.107	860.001	0.035	0.007	862.952
Barge Tug	Barge Tug_2000	Tug Boats	2015	1000	0.5	2	11	1.554	9.206	5.432	0.012	0.181	0.163	1303.031	0.053	0.011	1307.503

Table 10: Entrained Road Dust Emission Factors - Paved (pounds/mile)

Paved	k	sL	W	p	N	Uncontrolled EF	Controled 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 11: Entrained Road Dust Emission Factors - Unpaved (pounds/mile)

Unpaved	k	s	M	S2	C	p	Uncontrolled EF	Controled 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 12: 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 13: 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 14: 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 15: Global Warming Potentials

Pollutant	GWP
CO2	1
CH4	25
N2O	298
SF6	23500

Table 16: Activity List

Index	Component	Activity Name	Workforce	Start Date	End Date	Days Per Week	Schedule Days	Working Days	BAAQMD Percent	SMAQMD Percent
L-01	General	Survey	4	5/1/2026	6/1/2026	6	26	26	1	0
L-02	Collinsville Substation	Site Development/Staging Yards	12	5/1/2026	8/1/2026	6	76	76	1	0
L-03	Collinsville Substation	Below-Grade Construction	40	7/14/2026	1/14/2027	6	152	152	1	0
L-04	Collinsville Substation	Above-Grade Construction	30	1/2/2027	2/11/2028	6	333	333	1	0
P-05	500 kV Interconnection	Foundation Installation	15	5/17/2027	8/25/2027	6	84	70	1	0
P-06	500 kV Interconnection	Structure Installation	15	7/29/2027	9/23/2027	6	48	40	1	0
P-07	500 kV Interconnection	Conductor Installation	30	9/24/2027	11/19/2027	6	47	40	1	0
L-08	230 kV - New Overhead Transmission	Access Road Construction	12	5/1/2027	5/19/2027	6	16	16	1	0
L-09	230 kV - New Overhead Transmission	Foundation Installation	12	5/20/2027	6/15/2027	6	22	22	1	0
L-10	230 kV - New Overhead Transmission	Structure Installation	12	6/16/2027	7/15/2027	6	24	24	1	0
L-11	230 kV - New Overhead Transmission	Conductor Installation	30	7/16/2027	8/15/2027	6	26	26	1	0
L-14	230 kV - New Submerged Cable	Submarine Cable Installation	25	7/1/2027	10/31/2027	7	122	122	0.7	0.3
L-15	230 kV - Southern Construction	Southern Transition Approach Construction	25	6/15/2027	11/30/2027	6	138	138	1	0
L-16	230 kV - Southern Construction	Substation Getaways	20	6/1/2027	8/23/2027	6	70	70	1	0
P-17	12 kV Distribution	Distribution Extension to Substation	10	6/1/2026	8/1/2026	6	51	51	1	0
L-18	Telecommunications	Fiber Extension to Substation	12	6/1/2027	10/1/2027	6	103	103	1	0
P-19	Substation Modifications	Pittsburg Substation Upgrades	15	5/1/2027	5/31/2028	6	325	250	1	0
L-20	General	Commissioning and Testing	24	11/1/2027	6/1/2028	6	174	174	1	0
L-21	General	Cleanup and Restoration	12	2/1/2028	7/17/2028	6	140	140	1	0
P-22	500 kV Transposition Structures	Foundation Installation	15	6/1/2027	7/28/2027	6	48	48	1	0
P-23	500 kV Transposition Structures	Structure and Conductor Installation	30	1/18/2028	2/29/2028	6	36	36	1	0
L-24	230 kV - Northern Construction	Northern Transition Approach Construction	20	6/15/2027	11/30/2027	6	138	138	1	0
P-25	Substation Modifications	Tesla Substation Upgrades	15	9/1/2027	2/28/2028	6	144	144	1	0
P-26	Substation Modifications	Vaca Dixon Substation Upgrades	15	5/1/2027	2/1/2028	6	224	224	1	0
P-27	Collinsville Substation	PG&E IT Work	15	1/1/2027	8/31/2027	6	202	202	1	0

Table 17: Equipment List

EquipIndex	Activity Number	Activity Index	Activity Name	Equipment Name	HP	Fuel Type	Quantity	Days Manual Override	Days Used	Hours Per Day	EquipConcat	On-Off	Earth Moving	Off Count	On Count	Boat Count	Earth Moving Count	On Type	CalEEModType	On Distance	Trips Per Day	VMT	Total VMT	Total Trips per day	Automobile?
1	1	L-01	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	2	L-02	Site Development/Staging Yards	Truck - Water 4 K	300	Diesel	4		76	8	Truck - Water 4 K_300	on			2			vendor		40	2	320	24320	8	Const Vehicle
3	2	L-02	Site Development/Staging Yards	Loader - 4-5 Yd	230	Diesel	2		76	8	Loader - 4-5 Yd_230	off		1					Rubber Tired Loaders						
4	2	L-02	Site Development/Staging Yards	Truck - Dump 10-12 Yd	415	Diesel	5		76	8	Truck - Dump 10-12 Yd_415	on			3			hhdt		40	4	800	60800	20	Const Vehicle
5	2	L-02	Site Development/Staging Yards	Motor Grader	250	Diesel	2		76	8	Motor Grader_250	off	grading	2			1		Graders						
6	2	L-02	Site Development/Staging Yards	Scraper	410	Diesel	4		76	8	Scraper_410	off	grading	3			2		Scrapers						
7	2	L-02	Site Development/Staging Yards	Vibratory Roller	157	Diesel	2		76	8	Vibratory Roller_157	off		4					Rollers						
8	2	L-02	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	2	L-02	Site Development/Staging Yards	Generator – 25 Kw	36	Diesel	2		76	8	Generator – 25 Kw_36	off		5					Generator Sets						
10	2	L-02	Site Development/Staging Yards	Forklift - 15,000 lb	130	Diesel	4		76	6	Forklift - 15,000 lb_130	off		6					Forklifts						
11	2	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	2	L-02	Site Development/Staging Yards	844 Loader	417	Diesel	1		76	6	844 Loader_417	off		7					Rubber Tired Loaders						
13	2	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	3	L-03	Below-Grade Construction	Truck - Water 4 K	300	Diesel	2		152	8	Truck - Water 4 K_300	on			7			vendor		40	2	160	24320	4	Const Vehicle
15	3	L-03	Below-Grade Construction	Excavator	108	Diesel	2		152	8	Excavator_108	off		8					Excavators						
16	3	L-03	Below-Grade Construction	Forklift - 15 K Reach	130	Diesel	3		152	8	Forklift - 15 K Reach_130	off		9					Forklifts						
17	3	L-03	Below-Grade Construction	Backhoe - 2X4	68	Diesel	2		152	6	Backhoe - 2X4_68	off		10					Excavators						
18	3	L-03	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	3	L-03	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	3	L-03	Below-Grade Construction	Excavator - Mini	70	Diesel	1		152	5	Excavator - Mini_70	off		11					Excavators						
21	3	L-03	Below-Grade Construction	Generator – 25 Kw	36	Diesel	1		152	8	Generator – 25 Kw_36	off		12					Generator Sets						
22	3	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	3	L-03	Below-Grade Construction	Loader - 4-5 Yd	230	Diesel	2		152	8	Loader - 4-5 Yd_230	off		13					Rubber Tired Loaders						
24	3	L-03	Below-Grade Construction	Pressure Digger - Lo-Drill (Tracked)	275	Diesel	1		152	8	essure Digger - Lo-Drill (Tracked)_2	off		14					Bore/Drill Rigs						
25	3	L-03	Below-Grade Construction	Excavator	275	Diesel	1		152	8	Excavator_275	off		15					Excavators						
26	3	L-03	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	3	L-03	Below-Grade Construction	Tool - Van/Conex 20'	0	NA	6		152	8	Tool - Van/Conex 20'_0	NA													
28	3	L-03	Below-Grade Construction	Trencher	75	Diesel	2		152	5	Trencher_75	off		16					Trenchers						
29	3	L-03	Below-Grade Construction	Skid steer loader	74	Diesel	2		152	8	Skid steer loader_74	off		17					Skid Steer Loaders						
30	3	L-03	Below-Grade Construction	Wire Trailer/ Tensioner	175	Diesel	1		152	5	Wire Trailer/ Tensioner_175	off		18					Other Construction Equipment						
31	3	L-03	Below-Grade Construction	Wire Puller	175	Diesel	1		152	5	Wire Puller_175	off		19					Other Construction Equipment						
32	4	L-04	Above-Grade Construction	Wire Trailer/ Tensioner	175	Diesel	1		333	5	Wire Trailer/ Tensioner_175	off		20					Other Construction Equipment						
33	4	L-04	Above-Grade Construction	Wire Puller	175	Diesel	1		333	5	Wire Puller_175	off		21					Other Construction Equipment						
34	4	L-04	Above-Grade Construction	Crane - 200 Ton	275	Diesel	1		333	4	Crane - 200 Ton_275	off		22					Cranes						
35	4	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	4	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	4	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	4	L-04	Above-Grade Construction	Generator – 25 Kw	36	Diesel	2		333	8	Generator – 25 Kw_36	off		23					Generator Sets						
39	4	L-04	Above-Grade Construction	Crane - 35 Ton (Manlift)	250	Diesel	2		333	5	Crane - 35 Ton (Manlift)_250	off		24					Cranes						
40	4	L-04	Above-Grade Construction	Forklift - 10 K Reach	130	Diesel	2		333	4	Forklift - 10 K Reach_130	off		25					Forklifts						
41	4	L-04	Above-Grade Construction	Forklift -15,000 lb	130	Diesel	1		333	4	Forklift -15,000 lb_130	off		26					Forklifts						
42	4	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	4	L-04	Above-Grade Construction	120' Manlift	74	Diesel	2		333	4	120' Manlift_74	off		28					Aerial Lifts						
44	5	P-05	Foundation Installation	Pressure Digger - Lo-Drill (Tracked)	275	Diesel	1	54	54	8	essure Digger - Lo-Drill (Tracked)_2	off		29					Bore/Drill Rigs						
45	5	P-05	Foundation Installation	Truck - Concrete	425	Diesel	4	54	54	5	Truck - Concrete_425	on			15			hhdt		60	2	480	25920	8	Const Vehicle
46	5	P-05	Foundation Installation	Pickup - 1 Ton	410	Diesel	4		70	2	Pickup - 1 Ton_410	on			16			passenger		60	2	480	40320	8	Automobile
47	5	P-05	Foundation Installation	Truck - Water 4 K	300	Diesel	2		70	6	Truck - Water 4 K_300	on			17			vendor		60	2	240	20160	4	Const Vehicle
48	5	P-05	Foundation Installation	Truck - Dump 10-12 Yd	415	Diesel	2	20	20	8	Truck - Dump 10-12 Yd_415	on			18			hhdt		40	2	160	3200	4	Const Vehicle
49	5	P-05	Foundation Installation	Skid steer loader	74	Diesel	1	35	35	8	Skid steer loader_74	off		30					Skid Steer Loaders						
50	5	P-05	Foundation Installation	Forklift - 10 K Reach	130	Diesel	2	35	35	8	Forklift - 10 K Reach_130	off		31					Forklifts						
51	5	P-05	Foundation Installation	Crane - 35 Ton (Manlift)	250	Diesel	1	35	35	4	Crane - 35 Ton (Manlift)_250	off		32					Cranes						
52	5	P-05	Foundation Installation	Loader - 4-5 Yd	230	Diesel	1	35	35	8	Loader - 4-5 Yd_230	off		33					Rubber Tired Loaders						
53	5	P-05	Foundation Installation	D4 Type Dozer	130	Diesel	1	20	20	8	D4 Type Dozer_130	off		34					Rubber Tired Dozers						
54	5	P-05	Foundation Installation	Excavator	250	Diesel	1	20	20	8	Excavator_250	off		35					Excavators						
55	5	P-05	Foundation Installation	Vibratory Roller	125	Diesel	1	20	20	8	Vibratory Roller_125	off		36					Rollers						
56	6	P-06	Structure Installation	Crane - 35 Ton (Manlift)	250	Diesel	2		40	8	Crane - 35 Ton (Manlift)_250	off		37					Cranes						
57	6	P-06	Structure Installation	Helicopter - Heavy Duty	3200	Jet	1	13	13	5	Helicopter - Heavy Duty_3200	helicopter													
58	6	P-06	Structure Installation	Pickup - 1/2 ton	395	Gasoline	2		40	2	Pickup - 1/2 ton_395	on			19			passenger		40	2	160	7680	4	Automobile
59	6	P-06	Structure Installation	Forklift - 25,000 lb	175	Diesel	1	20	20	5	Forklift - 25,000 lb_175	off		38					Forklifts						
60	6	P-06	Structure Installation	Pickup - 1 ton	410	Diesel	2		40	2	Pickup - 1 ton_410	on			20			passenger		60	2	240	11520	4	Automobile
61	6	P-06	Structure Installation	Crane - 200 Ton	275	Diesel	1		40	8	Crane - 200 Ton_275	off		39					Cranes						
62	6	P-06	Structure Installation	Truck - Water 4 K	300	Diesel	2		40	6	Truck - Water 4 K_300	on			21			vendor		60	2	240	11520	4	Const Vehicle
63	6	P-06	Structure Installation	Jet Fuel Truck	300	Diesel	1	13	13	8	Jet Fuel Truck_300	on			22			vendor		40	2	80	1040	2	Const Vehicle
64	7	P-07	Conductor Installation	Helicopter	700	Jet	1	12	12	8	Helicopter_700	helicopter													
65	7	P-07	Conductor Installation	Jet Fuel Truck	300	Diesel	1	12	12	8	Jet Fuel Truck_300	on			23			vendor		40	2	80	960	2	Const Vehicle
66	7	P-07	Conductor Installation	Crane - 35 Ton (Manlift)	250	Diesel	1		40	8	Crane - 35 Ton (Manlift)_250	off		40					Cranes						
67	7	P-07	Conductor Installation	Pickup - 1/2 ton	395	Gasoline	4		40	2	Pickup - 1/2 ton_395	on			24			passenger		40	2	320	15040	8	Automobile
68	7	P-07	Conductor Installation	Pickup - 1 Ton	410	Diesel	4		40	2	Pickup - 1 Ton_410	on			25			passenger		60	2	480	22560	8	Automobile
69	7	P-07	Conductor Installation	D8 Sag Dozer	200	Diesel	1	6	6	8	D8 Sag Dozer_200	off		41					Rubber Tired Dozers						
70	7	P-07	Conductor Installation	Wire Puller	175	Diesel	1		40	5	Wire Puller_175	off		42					Other Construction Equipment						
71	7	P-07	Conductor Installation	Truck - Water 4 K	300	Diesel	2		40	6	Truck - Water 4 K_300	on			26			vendor		60	2	240	11280	4	Const Vehicle
72	7	P-07	Conductor Installation	Wire Trailer/ Tensioner	175	Diesel	1		40	5	Wire Trailer/ Tensioner_175	off		43					Other Construction Equipment						
73	8	L-08	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
74	8	L-08	Access Road Construction	Pickup - 1 ton	410	Diesel	2		16	4	Pickup - 1 ton_410	on			28			passenger		40	2	160	2560	4	Automobile
75	8	L-08	Access Road Construction	Motor Grader	250	Diesel	1		16	8	Motor Grader_250	off	grading	44			3		Graders						
76	8	L-08	Access Road Construction	Truck - Dump 10-12 Yd	415	Diesel	2		16	8	Truck - Dump 10-12 Yd_415	on			29			hhdt		40	2	160	2560	4	Const Vehicle
77	8	L-08	Access Road Construction	Skid steer loader	74	Diesel	1		16	8	Skid steer loader_74	off		45					Skid Steer Loaders						
78	8	L-08	Access Road Construction	Truck - Water 4 K	300	Diesel	2		16	6	Truck - Water 4 K_300	on			30			vendor		40	2	160	2560	4	Const Vehicle
79	8	L-08	Access Road Construction	D6 Type Dozer	250	Diesel	1		16	8	D6 Type Dozer_250	off	bulldozing	46			4		Rubber Tired Dozers						
80	8	L-08	Access Road Construction	Excavator	250	Diesel	1		16	8	Excavator_250	off		47					Excavators						
81	9	L-09	Foundation Installation	Pressure Digger - Lo-Drill (Tracked)	275	Diesel	1		22	8	essure Digger - Lo-Drill (Tracked)_2	off		48					Bore/Drill Rigs						
82	9	L-09	Foundation Installation	Truck - Concrete	425	Diesel	4		22	5	Truck - Concrete_425	on			31			hhdt		60	2	480	10560	8	Const Vehicle
83	9	L-09	Foundation Installation	Pickup - 1 Ton	410	Diesel	4		22	2	Pickup - 1 Ton_410	on			32			passenger		40	2	320	7040	8	Automobile
84	9	L-09	Foundation Installation	Truck - Water 4 K	300	Diesel	2		22	6	Truck - Water 4 K_300	on			33			vendor		40	2	160	3520	4	Const Vehicle
85	9	L-09	Foundation Installation	Truck - Dump 10-12 Yd	415	Diesel	2		22	8	Truck - Dump 10-12 Yd_415	on			34			hhdt		40	2	160	3520	4	Const Vehicle

EquipIndex	Activity Number	Activity Index	Activity Name	Equipment Name	HP	Fuel Type	Quantity	Days Manual Override	Days Used	Hours Per Day	EquipConcat	On-Off	Earth Moving	Off Count	On Count	Boat Count	Earth Moving Count	On Type	CalEEModType	On Distance	Trips Per Day	VMT	Total VMT	Total Trips per day	Automobile?
86	9	L-09	Foundation Installation	Skid steer loader	74	Diesel	1		22	8	Skid steer loader_74	off		49					Skid Steer Loaders						
87	9	L-09	Foundation Installation	Forklift - 10 K Reach	130	Diesel	2		22	8	Forklift - 10 K Reach_130	off		50					Forklifts						
88	9	L-09	Foundation Installation	Crane - 35 Ton (Manlift)	250	Diesel	1		22	4	Crane - 35 Ton (Manlift)_250	off		51					Cranes						
89	9	L-09	Foundation Installation	844 Loader	417	Diesel	1		22	8	844 Loader_417	off		52					Rubber Tired Loaders						
90	9	L-09	Foundation Installation	Rough Terrain Crane	185	Diesel	1		22	2	Rough Terrain Crane_185	off		53					Cranes						
91	10	L-10	Structure Installation	Crane - 35 Ton (Manlift)	250	Diesel	2		24	8	Crane - 35 Ton (Manlift)_250	off		54					Cranes						
92	10	L-10	Structure Installation	Pickup - 1/2 ton	395	Gasoline	2		24	2	Pickup - 1/2 ton_395	on			35			passenger		40	2	160	3840	4	Automobile
93	10	L-10	Structure Installation	Forklift - 15,000 lb	130	Diesel	1		24	5	Forklift - 15,000 lb_130	off		55					Forklifts						
94	10	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
95	10	L-10	Structure Installation	Crane - 200 Ton	275	Diesel	1		24	8	Crane - 200 Ton_275	off		56					Cranes						
96	10	L-10	Structure Installation	844 Loader	417	Diesel	1		24	8	844 Loader_417	off		57					Rubber Tired Loaders						
97	10	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
98	11	L-11	Conductor Installation	Helicopter	700	Jet	1	6	6	8	Helicopter_700	helicopter													
99	11	L-11	Conductor Installation	Jet Fuel Truck	300	Diesel	1		26	8	Jet Fuel Truck_300	on			38			vendor		60	2	120	3120	2	Const Vehicle
100	11	L-11	Conductor Installation	Crane - 35 Ton (Manlift)	250	Diesel	6		26	8	Crane - 35 Ton (Manlift)_250	off		58					Cranes						
101	11	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
102	11	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
103	11	L-11	Conductor Installation	D8 Sag Dozer	200	Diesel	3		26	8	D8 Sag Dozer_200	off		59					Rubber Tired Dozers						
104	11	L-11	Conductor Installation	Wire Puller	175	Diesel	1		26	5	Wire Puller_175	off		60					Other Construction Equipment						
105	11	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
106	11	L-11	Conductor Installation	Wire Trailer/ Tensioner	175	Diesel	1		26	5	Wire Trailer/ Tensioner_175	off		61					Other Construction Equipment						
107	14	L-14	Submarine Cable Installation	Water Pumps	325	Diesel	2		122	15	Water Pumps_325	off		62					Pumps						
108	14	L-14	Submarine Cable Installation	Deck Generator	170	Diesel	1		122	21	Deck Generator_170	off		63					Generator Sets						
109	14	L-14	Submarine Cable Installation	Deck Equipment	100	Diesel	1		122	21	Deck Equipment_100	off		64					Other Construction Equipment						
110	14	L-14	Submarine Cable Installation	Anchor Winches	225	Diesel	2		122	12	Anchor Winches_225	off		65					Other Construction Equipment						
111	14	L-14	Submarine Cable Installation	Deck Winch	100	Diesel	1		122	12	Deck Winch_100	off		66					Other Construction Equipment						
112	14	L-14	Submarine Cable Installation	Crane	180	Diesel	1		122	5	Crane_180	off		67					Cranes						
113	14	L-14	Submarine Cable Installation	Linear Cable Engine	200	Diesel	3		122	12	Linear Cable Engine_200	off		68					Other Construction Equipment						
114	14	L-14	Submarine Cable Installation	Barge Tug	2000	Diesel	1		122	11	Barge Tug_2000	boat				1									
115	14	L-14	Submarine Cable Installation	Deck Generator - 100kW	100	Diesel	1		122	17	Deck Generator - 100kW_100	off		69					Generator Sets						
116	14	L-14	Submarine Cable Installation	Small Boats	250	Diesel	2		122	16	Small Boats_250	boat				2									
117	14	L-14	Submarine Cable Installation	Deck Equipment	100	Diesel	1	67	67	6	Deck Equipment_100	off		70					Other Construction Equipment						
118	14	L-14	Submarine Cable Installation	Crane	180	Diesel	1	67	67	2	Crane_180	off		71					Cranes						
119	14	L-14	Submarine Cable Installation	Dive Compressor	50	Diesel	1	67	67	2	Dive Compressor_50	off		72					Air Compressors						
120	14	L-14	Submarine Cable Installation	Deck Generator	170	Diesel	1	67	67	12	Deck Generator_170	off		73					Generator Sets						
121	14	L-14	Submarine Cable Installation	Anchor Tug	1320	Diesel	1	70	70	22	Anchor Tug_1320	boat				3									
122	14	L-14	Submarine Cable Installation	Deck Generator - 100kW	100	Diesel	1	70	70	22	Deck Generator - 100kW_100	off		74					Generator Sets						
123	14	L-14	Submarine Cable Installation	Survey Vessel	250	Diesel	1	18	18	11	Survey Vessel_250	boat				4									
124	14	L-14	Submarine Cable Installation	Pull In Winch	225	Diesel	1	20	20	11	Pull In Winch_225	off		75					Other Construction Equipment						
125	15	L-15	Southern Transition Approach Construction	Survey Vessel	250	Diesel	0	0	0	0	Survey Vessel_250	boat				5									
126	15	L-15	Southern Transition Approach Construction	Pull In Winch	225	Diesel	0		138	0	Pull In Winch_225	off		76					Other Construction Equipment						
127	15	L-15	Southern Transition Approach Construction	Onshore Crane	180	Diesel	1		138	8	Onshore Crane_180	off		77					Cranes						
128	15	L-15	Southern Transition Approach Construction	Crane - 200 ton	275	Diesel	1		138	6	Crane - 200 ton_275	off		78					Cranes						
129	15	L-15	Southern Transition Approach Construction	Onshore Vibratory Hammer	300	Diesel	1		138	8	Onshore Vibratory Hammer_300	off		79					Other Construction Equipment						
130	15	L-15	Southern Transition Approach Construction	Air Compressor	50	Diesel	1		138	8	Air Compressor_50	off		80					Air Compressors						
131	15	L-15	Southern Transition Approach Construction	Truck - Dump 10-12 Yd	415	Diesel	4		138	6	Truck - Dump 10-12 Yd_415	on			42			hhdt		40	2	320	44160	8	Const Vehicle
132	15	L-15	Southern Transition Approach Construction	Onshore Dewatering Equip	50	Diesel	2		138	8	Onshore Dewatering Equip_50	off		81					Other Construction Equipment						
133	15	L-15	Southern Transition Approach Construction	Onshore Trucks	300	Diesel	4		138	8	Onshore Trucks_300	on			43			vendor		60	2	480	66240	8	Const Vehicle
134	16	L-16	Substation Getaways	Pickup - 1/2 Ton	395	Gasoline	4		70	2	Pickup - 1/2 Ton_395	on			44			passenger		40	2	320	22400	8	Automobile
135	16	L-16	Substation Getaways	Pickup - 1 Ton	410	Diesel	4		70	2	Pickup - 1 Ton_410	on			45			passenger		40	2	320	22400	8	Automobile
136	16	L-16	Substation Getaways	Welding Truck	395	Diesel	2		70	2	Welding Truck_395	on			46			vendor		40	2	160	11200	4	Const Vehicle
137	16	L-16	Substation Getaways	Generator – 25 Kw	36	Diesel	2		70	8	Generator – 25 Kw_36	off		82					Generator Sets						
138	16	L-16	Substation Getaways	Crane - 35 Ton (Manlift)	250	Diesel	2		70	5	Crane - 35 Ton (Manlift)_250	off		83					Cranes						
139	16	L-16	Substation Getaways	Forklift - 10 K Reach	130	Diesel	2		70	4	Forklift - 10 K Reach_130	off		84					Forklifts						
140	16	L-16	Substation Getaways	Forklift -15,000 lb	130	Diesel	1		70	4	Forklift -15,000 lb_130	off		85					Forklifts						
141	16	L-16	Substation Getaways	Loader - 4-5 Yd	74	Diesel	2		70	5	Loader - 4-5 Yd_74	off		86					Rubber Tired Loaders						
142	16	L-16	Substation Getaways	Wire Trailer/ Tensioner	175	Diesel	1		70	5	Wire Trailer/ Tensioner_175	off		87					Other Construction Equipment						
143	16	L-16	Substation Getaways	Wire Puller	175	Diesel	1		70	5	Wire Puller_175	off		88					Other Construction Equipment						
144	16	L-16	Substation Getaways	Skid steer loader	74	Diesel	2		70	8	Skid steer loader_74	off		89					Skid Steer Loaders						
145	16	L-16	Substation Getaways	Backhoe - 2X4	68	Diesel	2		70	6	Backhoe - 2X4_68	off		90					Excavators						
146	17	P-17	Distribution Extension to Substation	Pickup - 1/2 ton	395	Gasoline	2		51	2	Pickup - 1/2 ton_395	on			47			passenger		40	2	160	8160	4	Automobile
147	17	P-17	Distribution Extension to Substation	Wire Trailer/ Tensioner	175	Diesel	1		51	5	Wire Trailer/ Tensioner_175	off		91					Other Construction Equipment						
148	17	P-17	Distribution Extension to Substation	Wire Puller	175	Diesel	1		51	5	Wire Puller_175	off		92					Other Construction Equipment						
149	17	P-17	Distribution Extension to Substation	Crane - 35 Ton (Manlift)	250	Diesel	2		51	8	Crane - 35 Ton (Manlift)_250	off		93					Cranes						
150	17	P-17	Distribution Extension to Substation	Pickup - 1 Ton	410	Diesel	2		51	2	Pickup - 1 Ton_410	on			48			passenger		60	2	240	12240	4	Automobile
151	17	P-17	Distribution Extension to Substation	Forklift - 15 K Reach	130	Diesel	2		51	6	Forklift - 15 K Reach_130	off		94					Forklifts						
152	17	P-17	Distribution Extension to Substation	Pressure Digger - Lo-Drill (Tracked)	275	Diesel	1		51	8	essure Digger - Lo-Drill (Tracked)_2	off		95					Bore/Drill Rigs						
153	17	P-17	Distribution Extension to Substation	Truck - Dump 10-12 Yd	415	Diesel	2		51	8	Truck - Dump 10-12 Yd_415	on			49			hhdt		40	2	160	8160	4	Const Vehicle
154	17	P-17	Distribution Extension to Substation	Skid steer loader	74	Diesel	2		51	8	Skid steer loader_74	off		96					Skid Steer Loaders						
155	17	P-17	Distribution Extension to Substation	Truck - Concrete	425	Diesel	4		51	5	Truck - Concrete_425	on			50			hhdt		60	2	480	24480	8	Const Vehicle
156	17	P-17	Distribution Extension to Substation	Backhoe - 2X4	68	Diesel	1		51	8	Backhoe - 2X4_68	off		97					Excavators						
157	18	L-18	Fiber Extension to Substation	Crane - 35 Ton (Manlift)	250	Diesel	2		103	8	Crane - 35 Ton (Manlift)_250	off		98					Cranes						
158	18	L-18	Fiber Extension to Substation	Forklift - 10 K Reach	130	Diesel	1		103	5	Forklift - 10 K Reach_130	off		99					Forklifts						
159	18	L-18	Fiber Extension to Substation	Excavator - Mini	70	Diesel	2		103	5	Excavator - Mini_70	off		100					Excavators						
160	18	L-18	Fiber Extension to Substation	Truck - Dump 10-12 Yd	415	Diesel	3		103	5	Truck - Dump 10-12 Yd_415	on			51			hhdt		40	2	240	24720	6	Const Vehicle
161	18	L-18	Fiber Extension to Substation	Skid steer loader	74	Diesel	2		103	8	Skid steer loader_74	off		101					Skid Steer Loaders						
162	18	L-18	Fiber Extension to Substation	Trencher	75	Diesel	1		103	8	Trencher_75	off		102					Trenchers						
163	18	L-18	Fiber Extension to Substation	Pickup - 1 Ton	410	Diesel	3		103	2	Pickup - 1 Ton_410	on			52			passenger		40	2	240	24720	6	Automobile
164	18	L-18	Fiber Extension to Substation	Truck - Concrete	425	Diesel	2		103	5	Truck - Concrete_425	on			53			hhdt		60	2	240	24720	4	Const Vehicle
165	18	L-18	Fiber Extension to Substation	Wire Trailer/ Tensioner	175	Diesel	1		103	5	Wire Trailer/ Tensioner_175	off		103					Other Construction Equipment						
166	18	L-18	Fiber Extension to Substation	Wire Puller	175	Diesel	1		103	5	Wire Puller_175	off		104					Other Construction Equipment						
167	19	P-19	Pittsburg Substation Upgrades	Pickup - 1/2 Ton	395	Gasoline	4		250	2	Pickup - 1/2 Ton_395	on			54			passenger		40	2	320	104000	8	Automobile
168	19	P-19	Pittsburg Substation Upgrades	Pickup - 1 Ton	410	Diesel	2		250	2	Pickup - 1 Ton_410	on			55			passenger		60	2	240	78000	4	Automobile
169	19	P-19	Pittsburg Substation Upgrades	Welding Truck	395	Diesel	1	144	144	5	Welding Truck_395	on			56			vendor		60	2	120	17280	2	Const Vehicle
170	19	P-19	Pittsburg Substation Upgrades	Crane - 35 Ton (Manlift)	250	Diesel	1	144	144	5	Crane - 35 Ton (Manlift)_250	off		105					Cranes						
171	19	P-19	Pittsburg Substation Upgrades	Forklift -15,000 lb	130	Diesel	2	144	144	4	Forklift -15,000 lb_130	off		106					Forklifts						

EquipIndex	Activity Number	Activity Index	Activity Name	Equipment Name	HP	Fuel Type	Quantity	Days Manual Override	Days Used	Hours Per Day	EquipConcat	On-Off	Earth Moving	Off Count	On Count	Boat Count	Earth Moving Count	On Type	CalEEModType	On Distance	Trips Per Day	VMT	Total VMT	Total Trips per day	Automobile?
172	19	P-19	Pittsburg Substation Upgrades	120' Manlift	74	Diesel	2	144	144	7	120' Manlift_74	off		107					Aerial Lifts						
173	19	P-19	Pittsburg Substation Upgrades	Truck - Water 4 K	300	Diesel	1	144	144	5	Truck - Water 4 K_300	on			57			vendor		60	2	120	17280	2	Const Vehicle
174	19	P-19	Pittsburg Substation Upgrades	Excavator	108	Diesel	1	144	144	6	Excavator_108	off		108					Excavators						
175	19	P-19	Pittsburg Substation Upgrades	Excavator - Mini	70	Diesel	2	144	144	5	Excavator - Mini_70	off		109					Excavators						
176	19	P-19	Pittsburg Substation Upgrades	Generator – 25 Kw	36	Diesel	1	144	144	8	Generator – 25 Kw_36	off		110					Generator Sets						
177	19	P-19	Pittsburg Substation Upgrades	Truck - Concrete	425	Diesel	4	144	144	5	Truck - Concrete_425	on			58			hhdt		60	2	480	69120	8	Const Vehicle
178	19	P-19	Pittsburg Substation Upgrades	Loader - 4-5 Yd	230	Diesel	1	144	144	6	Loader - 4-5 Yd_230	off		111					Rubber Tired Loaders						
179	19	P-19	Pittsburg Substation Upgrades	Pressure Digger - Lo-Drill (Tracked)	275	Diesel	1	144	144	8	essure Digger - Lo-Drill (Tracked)_2	off		112					Bore/Drill Rigs						
180	19	P-19	Pittsburg Substation Upgrades	Excavator	275	Diesel	1	144	144	8	Excavator_275	off		113					Excavators						
181	19	P-19	Pittsburg Substation Upgrades	Truck - Dump 10-12 Yd	415	Diesel	4	144	144	5	Truck - Dump 10-12 Yd_415	on			59			hhdt		40	2	320	46080	8	Const Vehicle
182	19	P-19	Pittsburg Substation Upgrades	Tool - Van/Conex 20'	0	NA	2	144	144	8	Tool - Van/Conex 20'_0	NA													
183	19	P-19	Pittsburg Substation Upgrades	Skid steer loader	74	Diesel	2	144	144	8	Skid steer loader_74	off		114					Skid Steer Loaders						
184	20	L-20	Commissioning and Testing	Pickup - 1/2 Ton	395	Gasoline	4		174	2	Pickup - 1/2 Ton_395	on			60			passenger		40	2	320	55680	8	Automobile
185	20	L-20	Commissioning and Testing	Pickup - 1 Ton	410	Diesel	4		174	2	Pickup - 1 Ton_410	on			61			passenger		40	2	320	55680	8	Automobile
186	20	L-20	Commissioning and Testing	Manlift - 40'	49	Diesel	3		174	8	Manlift - 40'_49	off		115					Aerial Lifts						
187	20	L-20	Commissioning and Testing	Truck - Water 4 K	300	Diesel	1		174	8	Truck - Water 4 K_300	on			62			vendor		40	2	80	13920	2	Const Vehicle
188	20	L-20	Commissioning and Testing	Tool - Van/Conex 20'	0	NA	6		174	8	Tool - Van/Conex 20'_0	NA													
189	20	L-20	Commissioning and Testing	Deck Barge	N/A	NA	0		174	0	Deck Barge_N/A	NA													
190	20	L-20	Commissioning and Testing	Deck Generator	170	Diesel	0		174	0	Deck Generator_170	off		116					Generator Sets						
191	20	L-20	Commissioning and Testing	Crane - 35 Ton (Manlift)	250	Diesel	2		174	8	Crane - 35 Ton (Manlift)_250	off		117					Cranes						
192	21	L-21	Cleanup and Restoration	Pickup - 1 Ton	410	Diesel	4		140	2	Pickup - 1 Ton_410	on			63			passenger		40	2	320	44800	8	Automobile
193	21	L-21	Cleanup and Restoration	Motor Grader	250	Diesel	2		140	8	Motor Grader_250	off	grading	118			5		Graders						
194	21	L-21	Cleanup and Restoration	Backhoe - 2X4	68	Diesel	2		140	8	Backhoe - 2X4_68	off		119					Excavators						
195	21	L-21	Cleanup and Restoration	Truck - Water 4 K	300	Diesel	2		140	8	Truck - Water 4 K_300	on			64			vendor		40	2	160	22400	4	Const Vehicle
196	21	L-21	Cleanup and Restoration	Skid steer loader	74	Diesel	1		140	8	Skid steer loader_74	off		120					Skid Steer Loaders						
197	21	L-21	Cleanup and Restoration	Excavator	250	Diesel	1		140	8	Excavator_250	off		121					Excavators						
198	21	L-21	Cleanup and Restoration	D6 Type Dozer	250	Diesel	1		140	8	D6 Type Dozer_250	off	bulldozing	122			6		Rubber Tired Dozers						
199	21	L-21	Cleanup and Restoration	Pickup - 1/2 Ton	395	Gasoline	4		140	2	Pickup - 1/2 Ton_395	on			65			passenger		40	2	320	44800	8	Automobile
200	21	L-21	Cleanup and Restoration	Truck - Dump 10-12 Yd	415	Diesel	2		140	8	Truck - Dump 10-12 Yd_415	on			66			hhdt		40	2	160	22400	4	Const Vehicle
201	1	L-01	Survey	Worker Commute	NA	Gasoline	4		26	NA	Worker Commute_NA	on			67			passenger		60	2	480	12480	8	Automobile
202	2	L-02	Site Development/Staging Yards	Worker Commute	NA	Gasoline	12		76	NA	Worker Commute_NA	on			68			passenger		60	2	1440	109440	24	Automobile
203	3	L-03	Below-Grade Construction	Worker Commute	NA	Gasoline	40		152	NA	Worker Commute_NA	on			69			passenger		60	2	4800	729600	80	Automobile
204	4	L-04	Above-Grade Construction	Worker Commute	NA	Gasoline	30		333	NA	Worker Commute_NA	on			70			passenger		60	2	3600	1198800	60	Automobile
205	5	P-05	Foundation Installation	Worker Commute	NA	Gasoline	15		70	NA	Worker Commute_NA	on			71			passenger		60	2	1800	151200	30	Automobile
206	6	P-06	Structure Installation	Worker Commute	NA	Gasoline	15		40	NA	Worker Commute_NA	on			72			passenger		60	2	1800	86400	30	Automobile
207	7	P-07	Conductor Installation	Worker Commute	NA	Gasoline	30		40	NA	Worker Commute_NA	on			73			passenger		60	2	3600	169200	60	Automobile
208	8	L-08	Access Road Construction	Worker Commute	NA	Gasoline	12		16	NA	Worker Commute_NA	on			74			passenger		60	2	1440	23040	24	Automobile
209	9	L-09	Foundation Installation	Worker Commute	NA	Gasoline	12		22	NA	Worker Commute_NA	on			75			passenger		60	2	1440	31680	24	Automobile
210	10	L-10	Structure Installation	Worker Commute	NA	Gasoline	12		24	NA	Worker Commute_NA	on			76			passenger		60	2	1440	34560	24	Automobile
211	11	L-11	Conductor Installation	Worker Commute	NA	Gasoline	30		26	NA	Worker Commute_NA	on			77			passenger		60	2	3600	93600	60	Automobile
212	14	L-14	Submarine Cable Installation	Worker Commute	NA	Gasoline	25		122	NA	Worker Commute_NA	on			78			passenger		60	2	3000	366000	50	Automobile
213	15	L-15	Southern Transition Approach Construction	Worker Commute	NA	Gasoline	25		138	NA	Worker Commute_NA	on			79			passenger		60	2	3000	414000	50	Automobile
214	16	L-16	Substation Getaways	Worker Commute	NA	Gasoline	20		70	NA	Worker Commute_NA	on			80			passenger		60	2	2400	168000	40	Automobile
215	17	P-17	Distribution Extension to Substation	Worker Commute	NA	Gasoline	10		51	NA	Worker Commute_NA	on			81			passenger		60	2	1200	61200	20	Automobile
216	18	L-18	Fiber Extension to Substation	Worker Commute	NA	Gasoline	12		103	NA	Worker Commute_NA	on			82			passenger		60	2	1440	148320	24	Automobile
217	19	P-19	Pittsburg Substation Upgrades	Worker Commute	NA	Gasoline	15		250	NA	Worker Commute_NA	on			83			passenger		60	2	1800	585000	30	Automobile
218	20	L-20	Commissioning and Testing	Worker Commute	NA	Gasoline	24		174	NA	Worker Commute_NA	on			84			passenger		60	2	2880	501120	48	Automobile
219	21	L-21	Cleanup and Restoration	Worker Commute	NA	Gasoline	12		140	NA	Worker Commute_NA	on			85			passenger		60	2	1440	201600	24	Automobile
220	22	P-22	Foundation Installation	Pressure Digger - Lo-Drill (Tracked)	275	Diesel	1	36	36	8	essure Digger - Lo-Drill (Tracked)_2	off		123					Bore/Drill Rigs						
221	22	P-22	Foundation Installation	Truck - Concrete	425	Diesel	2	18	18	4	Truck - Concrete_425	on			86			hhdt		60	2	240	4320	4	Const Vehicle
222	22	P-22	Foundation Installation	Pickup - 1 Ton	410	Diesel	2		48	2	Pickup - 1 Ton_410	on			87			passenger		60	2	240	11520	4	Automobile
223	22	P-22	Foundation Installation	Truck - Water 4 K	300	Diesel	1		48	6	Truck - Water 4 K_300	on			88			vendor		60	2	120	5760	2	Const Vehicle
224	22	P-22	Foundation Installation	Truck - Dump 10-12 Yd	415	Diesel	1	30	30	8	Truck - Dump 10-12 Yd_415	on			89			hhdt		40	2	80	2400	2	Const Vehicle
225	22	P-22	Foundation Installation	Skid steer loader	74	Diesel	1	30	30	4	Skid steer loader_74	off		124					Skid Steer Loaders						
226	23	P-23	Structure and Conductor Installation	Crane - 35 Ton (Manlift)	250	Diesel	1		36	8	Crane - 35 Ton (Manlift)_250	off		125					Cranes						
227	23	P-23	Structure and Conductor Installation	Pickup - 1/2 ton	395	Gasoline	4		36	2	Pickup - 1/2 ton_395	on			90			passenger		40	2	320	11520	8	Automobile
228	23	P-23	Structure and Conductor Installation	Pickup - 1 ton	410	Diesel	4		36	2	Pickup - 1 ton_410	on			91			passenger		60	2	480	17280	8	Automobile
229	23	P-23	Structure and Conductor Installation	Crane - 200 Ton	275	Diesel	1		36	8	Crane - 200 Ton_275	off		126					Cranes						
230	23	P-23	Structure and Conductor Installation	D8 Sag Dozer	200	Diesel	1	3	3	4	D8 Sag Dozer_200	off		127					Rubber Tired Dozers						
231	23	P-23	Structure and Conductor Installation	Truck - Water 4 K	300	Diesel	1		36	4	Truck - Water 4 K_300	on			92			vendor		60	2	120	4320	2	Const Vehicle
232	23	P-23	Structure and Conductor Installation	Wire Puller	175	Diesel	1		36	4	Wire Puller_175	off		128					Other Construction Equipment						
233	23	P-23	Structure and Conductor Installation	Wire Trailer/ Tensioner	175	Diesel	1		36	4	Wire Trailer/ Tensioner_175	off		129					Other Construction Equipment						
234	22	P-22	Foundation Installation	Worker Commute	NA	Gasoline	15		48	NA	Worker Commute_NA	on			93			passenger		60	2	1800	86400	30	Automobile
235	23	P-23	Structure and Conductor Installation	Worker Commute	NA	Gasoline	30		36	NA	Worker Commute_NA	on			94			passenger		60	2	3600	129600	60	Automobile
236	24	L-24	Northern Transition Approach Construction	Onshore Excavator	600	Diesel	1		138	8	Onshore Excavator_600	off		130					Excavators						
237	24	L-24	Northern Transition Approach Construction	Onshore End Loader	250	Diesel	1		138	8	Onshore End Loader_250	off		131					Tractors/Loaders/Backhoes						
238	24	L-24	Northern Transition Approach Construction	Onshore Crane	180	Diesel	1		138	8	Onshore Crane_180	off		132					Cranes						
239	24	L-24	Northern Transition Approach Construction	Air Compressor	50	Diesel	1		138	8	Air Compressor_50	off		133					Air Compressors						
240	24	L-24	Northern Transition Approach Construction	Truck - Dump 10-12 Yd	415	Diesel	1		138	6	Truck - Dump 10-12 Yd_415	on			95			hhdt		40	2	80	11040	2	Const Vehicle
241	24	L-24	Northern Transition Approach Construction	Onshore Dewatering Equip	50	Diesel	2		138	8	Onshore Dewatering Equip_50	off		134					Other Construction Equipment						
242	24	L-24	Northern Transition Approach Construction	Worker Commute	NA	Gasoline	20		138	NA	Worker Commute_NA	on			96			passenger		60	2	2400	331200	40	Automobile
243	25	P-25	Tesla Substation Upgrades	Pickup - 1/2 Ton	395	Gasoline	4		144	2	Pickup - 1/2 Ton_395	on			97			passenger		40	2	320	46080	8	Automobile
244	25	P-25	Tesla Substation Upgrades	Pickup - 1 Ton	410	Diesel	4		144	2	Pickup - 1 Ton_410	on			98			passenger		60	2	480	69120	8	Automobile
245	25	P-25	Tesla Substation Upgrades	Crane - 35 Ton (Manlift)	250	Diesel	2	72	72	5	Crane - 35 Ton (Manlift)_250	off		135					Cranes						
246	25	P-25	Tesla Substation Upgrades	Forklift -15,000 lb	130	Diesel	1	72	72	4	Forklift -15,000 lb_130	off		136					Forklifts						
247	25	P-25	Tesla Substation Upgrades	Manlift - 40'	49	Diesel	3	72	72	5	Manlift - 40'_49	off		137					Aerial Lifts						
248	25	P-25	Tesla Substation Upgrades	Excavator	108	Diesel	1	72	72	8	Excavator_108	off		138					Excavators						
249	25	P-25	Tesla Substation Upgrades	Generator – 25 Kw	36	Diesel	1		144	8	Generator – 25 Kw_36	off		139					Generator Sets						
250	25	P-25	Tesla Substation Upgrades	Truck - Concrete	425	Diesel	1	72	72	3	Truck - Concrete_425	on			99			hhdt		60	2	120	8640	2	Const Vehicle
251	25	P-25	Tesla Substation Upgrades	Truck - Dump 10-12 Yd	415	Diesel	1	72	72	5	Truck - Dump 10-12 Yd_415	on			100			hhdt		40	2	80	5760	2	Const Vehicle
252	25	P-25	Tesla Substation Upgrades	Tool - Van/Conex 20'	0	NA	2	72	72	8	Tool - Van/Conex 20'_0	NA													
253	25	P-25	Tesla Substation Upgrades	Skid steer loader	74	Diesel	1	72	72	8	Skid steer loader_74	off		140					Skid Steer Loaders						
254	26	P-26	Vaca Dixon Substation Upgrades	Pickup - 1/2 Ton	395	Gasoline	4		224	2	Pickup - 1/2 Ton_395	on			101			passenger		40	2	320	71680	8	Automobile
255	26	P-26	Vaca Dixon Substation Upgrades	Pickup - 1 Ton	410	Diesel	4		224	2	Pickup - 1 Ton_410	on			102			passenger		60	2	480	107520	8	Automobile
256	26	P-26	Vaca Dixon Substation Upgrades	Crane - 35 Ton (Manlift)	250	Diesel	2	132	132	5	Crane - 35 Ton (Manlift)_250	off		141					Cranes						
257	26	P-26	Vaca Dixon Substation Upgrades	Forklift -15,000 lb	130	Diesel	1	132	132	4	Forklift -15,000 lb_130	off		142					Forklifts						

EquipIndex	Activity Number	Activity Index	Activity Name	Equipment Name	HP	Fuel Type	Quantity	Days Manual Override	Days Used	Hours Per Day	EquipConcat	On-Off	Earth Moving	Off Count	On Count	Boat Count	Earth Moving Count	On Type	CalEEModType	On Distance	Trips Per Day	VMT	Total VMT	Total Trips per day	Automobile?
258	26	P-26	Vaca Dixon Substation Upgrades	Manlift - 40'	49	Diesel	3	132	132	5	Manlift - 40'_49	off		143					Aerial Lifts						
259	26	P-26	Vaca Dixon Substation Upgrades	Excavator	108	Diesel	1	132	132	8	Excavator_108	off		144					Excavators						
260	26	P-26	Vaca Dixon Substation Upgrades	Generator – 25 Kw	36	Diesel	1		224	8	Generator – 25 Kw_36	off		145					Generator Sets						
261	26	P-26	Vaca Dixon Substation Upgrades	Truck - Concrete	425	Diesel	1	132	132	3	Truck - Concrete_425	on			103			hhdt		60	2	120	15840	2	Const Vehicle
262	26	P-26	Vaca Dixon Substation Upgrades	Truck - Dump 10-12 Yd	415	Diesel	1	132	132	5	Truck - Dump 10-12 Yd_415	on			104			hhdt		40	2	80	10560	2	Const Vehicle
263	26	P-26	Vaca Dixon Substation Upgrades	Tool - Van/Conex 20'	0	NA	2	67	67	8	Tool - Van/Conex 20'_0	NA													
264	26	P-26	Vaca Dixon Substation Upgrades	Skid steer loader	74	Diesel	1	132	132	8	Skid steer loader_74	off		146					Skid Steer Loaders						
265	25	P-25	Tesla Substation Upgrades	Worker Commute	NA	Gasoline	15		144	NA	Worker Commute_NA	on			105			passenger		60	2	1800	259200	30	Automobile
266	26	P-26	Vaca Dixon Substation Upgrades	Worker Commute	NA	Gasoline	15		224	NA	Worker Commute_NA	on			106			passenger		60	2	1800	403200	30	Automobile
267	27	P-27	PG&E IT Work	Pickup - 1/2 Ton	395	Gasoline	4		202	2	Pickup - 1/2 Ton_395	on			107			passenger		40	2	320	64640	8	Automobile
268	27	P-27	PG&E IT Work	Pickup - 1 Ton	410	Diesel	2		202	2	Pickup - 1 Ton_410	on			108			passenger		60	2	240	48480	4	Automobile
269	27	P-27	PG&E IT Work	Crane - 35 Ton (Manlift)	250	Diesel	1	150	150	5	Crane - 35 Ton (Manlift)_250	off		147					Cranes						
270	27	P-27	PG&E IT Work	Forklift -15,000 lb	130	Diesel	2	150	150	4	Forklift -15,000 lb_130	off		148					Forklifts						
271	27	P-27	PG&E IT Work	120' Manlift	74	Diesel	1	150	150	7	120' Manlift_74	off		149					Aerial Lifts						
272	27	P-27	PG&E IT Work	Truck - Water 4 K	300	Diesel	1	150	150	5	Truck - Water 4 K_300	on			109			vendor		60	2	120	18000	2	Const Vehicle
273	27	P-27	PG&E IT Work	Excavator	108	Diesel	1	150	150	6	Excavator_108	off		150					Excavators						
274	27	P-27	PG&E IT Work	Excavator - Mini	70	Diesel	2	150	150	5	Excavator - Mini_70	off		151					Excavators						
275	27	P-27	PG&E IT Work	Generator – 25 Kw	36	Diesel	1		202	8	Generator – 25 Kw_36	off		152					Generator Sets						
276	27	P-27	PG&E IT Work	Truck - Concrete	425	Diesel	4	150	150	5	Truck - Concrete_425	on			110			hhdt		60	2	480	72000	8	Const Vehicle
277	27	P-27	PG&E IT Work	Loader - 4-5 Yd	230	Diesel	1	150	150	6	Loader - 4-5 Yd_230	off		153					Rubber Tired Loaders						
278	27	P-27	PG&E IT Work	Pressure Digger - Lo-Drill (Tracked)	275	Diesel	1	150	150	8	essure Digger - Lo-Drill (Tracked)_2	off		154					Bore/Drill Rigs						
279	27	P-27	PG&E IT Work	Excavator	275	Diesel	1	150	150	8	Excavator_275	off		155					Excavators						
280	27	P-27	PG&E IT Work	Truck - Dump 10-12 Yd	415	Diesel	2	150	150	5	Truck - Dump 10-12 Yd_415	on			111			hhdt		40	2	160	24000	4	Const Vehicle
281	27	P-27	PG&E IT Work	Tool - Van/Conex 20'	0	NA	2		202	8	Tool - Van/Conex 20'_0	NA													
282	27	P-27	PG&E IT Work	Skid steer loader	74	Diesel	2	150	150	8	Skid steer loader_74	off		156					Skid Steer Loaders						
283	27	P-27	PG&E IT Work	Worker Commute	NA	Gasoline	15		202	NA	Worker Commute_NA	on			112			passenger		60	2	1800	363600	30	Automobile

Table 18: 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 19: 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	8	Rubber Tired Loaders	230	0.36	6	5	2026	0.511336	3.905703	3.404929	0.014207	0.131143	0.120651	1538.01	0.062388	0.012478
2	L-02	Site Development/Staging Yards	Motor Grader	Diesel	2	8	Graders	250	0.41	6	5	2026	0.792091	7.660972	4.326554	0.01762	0.25763	0.237019	1907.93	0.077394	0.015479
3	L-02	Site Development/Staging Yards	Scraper	Diesel	4	8	Scrapers	410	0.48	7	6	2026	2.722032	24.16631	21.36883	0.067818	0.942435	0.86704	7342.513	0.297844	0.059569
4	L-02	Site Development/Staging Yards	Vibratory Roller	Diesel	2	8	Rollers	157	0.38	5	4	2026	0.253835	2.105085	6.12585	0.010255	0.093611	0.086122	1109.816	0.045019	0.009004
5	L-02	Site Development/Staging Yards	Generator – 25 Kw	Diesel	2	8	Generator Sets	36	0.74	2	1	2026	0.317487	3.178499	3.506226	0.006904	0.074363	0.068414	534.0437	0.021663	0.004333
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	0.099046	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	0.00967	0.096505	0.088784	1046.88	0.042466	0.008493
8	L-03	Below-Grade Construction	Excavator	Diesel	2	8	Excavators	108	0.38	5	3	2026	0.213011	1.461998	4.446295	0.00706	0.070421	0.064787	764.1896	0.030999	0.0062
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	0.099046	0.091122	725.6289	0.029435	0.005887
10	L-03	Below-Grade Construction	Backhoe - 2X4	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	8	Generator Sets	36	0.74	2	1	2026	0.158744	1.58925	1.753113	0.003452	0.037182	0.034207	267.0218	0.010832	0.002166
13	L-03	Below-Grade Construction	Loader - 4-5 Yd	Diesel	2	8	Rubber Tired Loaders	230	0.36	6	5	2026	0.511336	3.905703	3.404929	0.014207	0.131143	0.120651	1538.01	0.062388	0.012478
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	8	Excavators	275	0.38	6	5	2026	0.239595	1.691742	2.025738	0.008994	0.057305	0.05272	973.4656	0.039488	0.007898
16	L-03	Below-Grade Construction	Trencher	Diesel	2	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	8	Skid Steer Loaders	74	0.37	3	2	2026	0.129237	1.745434	3.133546	0.004717	0.049673	0.045699	510.5425	0.02071	0.004142
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	0.067573	371.0214	0.01505	0.00301
23	L-04	Above-Grade Construction	Generator – 25 Kw	Diesel	2	8	Generator Sets	36	0.74	2	1	2026	0.317487	3.178499	3.506226	0.006904	0.074363	0.068414	534.0437	0.021663	0.004333
24	L-04	Above-Grade Construction	Crane - 35 Ton (Manlift)	Diesel	2	5	Cranes	250	0.29	6	5	2026	0.399439	4.012829	2.371229	0.007786	0.16693	0.153575	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	0.033015	0.030374	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	0.665249	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	0.628427	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	8	Skid Steer Loaders	74	0.37	3	2	2026	0.064619	0.872717	1.566773	0.002359	0.024837	0.02285	255.2712	0.010355	0.002071
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	0.066031	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	D4 Type Dozer	Diesel	1	8	Rubber Tired Dozers	130	0.4	5	4	2026	0.397751	3.399042	3.278399	0.004467	0.201763	0.185622	484.2705	0.019644	0.003929
35	P-05	Foundation Installation	Excavator	Diesel	1	8	Excavators	250	0.38	6	5	2026	0.217813	1.537948	1.84158	0.008177	0.052095	0.047928	884.9688	0.035898	0.00718
36	P-05	Foundation Installation	Vibratory Roller	Diesel	1	8	Rollers	125	0.38	5	4	2026	0.101049	0.838012	2.438635	0.004082	0.037266	0.034284	441.8058	0.017922	0.003584
37	P-06	Structure Installation	Crane - 35 Ton (Manlift)	Diesel	2	8	Cranes	250	0.29	6	5	2026	0.639103	6.420526	3.793966	0.012458	0.267088	0.245721	1349.169	0.054728	0.010946
38	P-06	Structure Installation	Forklift - 25,000 lb	Diesel	1	5	Forklifts	175	0.2	6	5	2026	0.07294	0.543283	0.467804	0.001882	0.020738	0.019079	203.8008	0.008267	0.001653
39	P-06	Structure Installation	Crane - 200 Ton	Diesel	1	8	Cranes	275	0.29	6	5	2026	0.351507	3.531289	2.086681	0.006852	0.146898	0.135146	742.0429	0.030101	0.00602
40	P-07	Conductor Installation	Crane - 35 Ton (Manlift)	Diesel	1	8	Cranes	250	0.29	6	5	2026	0.319551	3.210263	1.896983	0.006229	0.133544	0.12286	674.5844	0.027364	0.005473
41	P-07	Conductor Installation	D8 Sag Dozer	Diesel	1	8	Rubber Tired Dozers	200	0.4	6	5	2026	0.672679	7.1692	5.034821	0.006877	0.31773	0.292311	745.6752	0.030248	0.00605
42	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
43	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
44	L-08	Access Road Construction	Motor Grader	Diesel	1	8	Graders	250	0.41	6	5	2026	0.396045	3.830486	2.163277	0.00881	0.128815	0.11851	953.9648	0.038697	0.007739
45	L-08	Access Road Construction	Skid steer loader	Diesel	1	8	Skid Steer Loaders	74	0.37	3	2	2026	0.064619	0.872717	1.566773	0.002359	0.024837	0.02285	255.2712	0.010355	0.002071
46	L-08	Access Road Construction	D6 Type Dozer	Diesel	1	8	Rubber Tired Dozers	250	0.4	6	5	2026	0.840849	8.9615	6.293526	0.008597	0.397162	0.365389	932.094	0.03781	0.007562
47	L-08	Access Road Construction	Excavator	Diesel	1	8	Excavators	250	0.38	6	5	2026	0.217813	1.537948	1.84158	0.008177	0.052095	0.047928	884.9688	0.035898	0.00718
48	L-09	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
49	L-09	Foundation Installation	Skid steer loader	Diesel	1	8	Skid Steer Loaders	74	0.37	3	2	2026	0.064619	0.872717	1.566773	0.002359	0.024837	0.02285	255.2712	0.010355	0.002071
50	L-09	Foundation Installation	Forklift - 10 K Reach	Diesel	2	8	Forklifts	130	0.2	5	4	2026	0.17635	1.315811	2.896737	0.004468	0.066031	0.060748	483.7526	0.019623	0.003925
51	L-09	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
52	L-09	Foundation 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
53	L-09	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
54	L-10	Structure Installation	Crane - 35 Ton (Manlift)	Diesel	2	8	Cranes	250	0.29	6	5	2026	0.639103	6.420526	3.793966	0.012458	0.267088	0.245721	1349.169	0.054728	0.010946
55	L-10	Structure Installation	Forklift - 15,000 lb	Diesel	1	5	Forklifts	130	0.2	5	4	2026	0.055109	0.411191	0.90523	0.001396	0.020635	0.018984	151.1727	0.006132	0.001226
56	L-10	Structure Installation	Crane - 200 Ton	Diesel	1	8	Cranes	275	0.29	6	5	2026	0.351507	3.531289	2.086681	0.006852	0.146898	0.135146	742.0429	0.030101	0.00602
57	L-10	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
58	L-11	Conductor Installation	Crane - 35 Ton (Manlift)	Diesel	6	8	Cranes	250	0.29	6	5	2026	1.917309	19.26158	11.3819	0.037374	0.801263	0.737162	4047.506	0.164185	0.032837
59	L-11	Conductor Installation	D8 Sag Dozer	Diesel	3	8	Rubber Tired Dozers	200	0.4	6	5	2026	2.018038	21.5076	15.10446	0.020632	0.95319	0.876934	2237.026	0.090744	0.018149
60	L-11	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
61	L-11	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
62	L-14	Submarine Cable Installation	Water Pumps	Diesel	2	15	Pumps	325	0.74	2	6	2026	5.927833	54.51965	62.25392	0.116873	1.340894	1.233623	9040.66	0.366729	0.073346
63	L-14	Submarine Cable Installation	Deck Generator	Diesel	1	21	Generator Sets	170	0.74	2	4	2026	1.967761	19.70007	21.7313	0.042789	0.460897	0.424025	3309.958	0.134266	0.026853
64	L-14	Submarine Cable Installation	Deck Equipment	Diesel	1	21	Other Construction Equipment	100	0.42	5	3	2026	0.430662	3.802972	6.115159	0.009466	0.196542	0.180818	1025.007	0.041579	0.008316
65	L-14	Submarine Cable Installation	Anchor Winches	Diesel	2	12	Other Construction Equipment	225	0.42	6	5	2026	1.022249	10.24052	6.87133	0.024441	0.407466	0.374869	2646.333	0.107347	0.021469
66	L-14	Submarine Cable Installation	Deck Winch	Diesel	1	12	Other Construction Equipment	100	0.42	5	3	2026	0.246093	2.173127	3.494376	0.005409	0.11231	0.103325	585.7183	0.023759	0.004752
67	L-14	Submarine Cable Installation	Crane	Diesel	1	5	Cranes	180	0.29	6	5	2026	0.143798	1.444618	0.853642	0.002803	0.060095	0.055287	303.563	0.012314	0.002463
68	L-14	Submarine Cable Installation	Linear Cable Engine	Diesel	3	12	Other Construction Equipment	200	0.42	6	5	2026	1.362999	13.65403	9.161773	0.032588	0.543288	0.499825	3528.444	0.143129	0.028626
69	L-14	Submarine Cable Installation	Deck Generator - 100kW	Diesel	1	17	Generator Sets	100	0.74	2	3	2026	0.937029	9.380987	10.34824	0.020376	0.219475	0.201917	1576.171	0.063936	0.012787
70	L-14	Submarine Cable Installation	Deck Equipment	Diesel	1	6	Other Construction Equipment	100	0.42	5	3	2026	0.123046	1.086563	1.747188	0.002705	0.056155	0.051662	292.8592	0.01188	0.002376
71	L-14	Submarine Cable Installation	Crane	Diesel	1	2	Cranes	180	0.29	6	5	2026	0.057519	0.577847	0.341457	0.001121	0.024038	0.022115	121.4252	0.004926	0.000985
72	L-14	Submarine Cable Installation	Dive Compressor	Diesel	1	2	Air Compressors	50	0.48	2	2	2026	0.054193	0.385788	0.510282	0.000777	0.010429	0.009595	60.13709	0.002439	0.000488
73	L-14	Submarine Cable Installation	Deck Generator	Diesel	1	12	Generator Sets	170	0.74	2	4	2026	1.124435	11.25718	12.41788	0.024451	0.26337	0.2423	1891.405	0.076724	0.015345
74	L-14	Submarine Cable Installation	Deck Generator - 100kW	Diesel	1	22	Generator Sets	100	0.74	2	3	2026	1.212626	12.1401	13.39184	0.026369	0.284026	0.261304	2039.75	0.082741	0.016548
75	L-14	Submarine Cable Installation	Pull In Winch	Diesel	1	11	Other Construction Equipment	225	0.42	6	5	2026	0.468531	4.693571	3.14936	0.011202	0.186755	0.171815	1212.903	0.049201	0.00984
76	L-15	Southern Transition Approach Construction	Pull In Winch	Diesel	0	0	Other Construction Equipment	225	0.42	6	5	2026	0	0	0	0	0	0	0	0	0
77	L-15	Southern Transition Approach Construction	Onshore Crane	Diesel	1	8	Cranes	180	0.29	6	5	2026	0.230077	2.311389	1.365828	0.004485	0.096152	0.088459	485.7008	0.019702	0.00394
78	L-15	Southern Transition Approach Construction	Crane - 200 ton	Diesel	1	6	Cranes	275	0.29	6	5	2026	0.26363	2.648467	1.565011	0.005139	0.110174	0.10136	556.5321	0.022575	0.004515
79	L-15	Southern Transition Approach Construction	Onshore Vibratory Hammer	Diesel	1	8	Other Construction Equipment	300	0.42	7	6	2026	0.330614	2.840326	2.752558	0.010851	0.107296	0.098712	1174.51	0.047643	0.009529
80	L-15	Southern Transition Approach Construction	Air Compressor	Diesel	1	8	Air Compressors	50	0.48	2	2	2026	0.216772	1.543152	2.041128	0.00311	0.041718	0.03838	240.5483	0.009758	0.001952
81	L-15	Southern Transition Approach Construction	Onshore Dewatering Equip	Diesel	2	8	Other Construction Equipment	50	0.42	3	2	2026	0.850721	7.275992	3.51186	0.003559	0.559689	0.514914	387.1762	0.015706	0.003141
82	L-16	Substation Getaways	Generator – 25 Kw	Diesel	2	8	Generator Sets	36	0.74	2	1	2026	0.317487	3.178499	3.506226	0.006904	0.074363	0.068414	534.0437	0.021663	0.004333
83	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	0.16693	0.153575	843.2305	0.034205	0.006841
84	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	0.033015	0.030374	241.8763	0.009812	0.001962
85	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
86	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
87	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

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-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
89	L-16	Substation Getaways	Skid steer loader	Diesel	2	8	Skid Steer Loaders	74	0.37	3	2	2026	0.129237	1.745434	3.133546	0.004717	0.049673	0.045699	510.5425	0.02071	0.004142
90	L-16	Substation Getaways	Backhoe - 2X4	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
91	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
92	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
93	P-17	Distribution Extension to Substation	Crane - 35 Ton (Manlift)	Diesel	2	8	Cranes	250	0.29	6	5	2026	0.639103	6.420526	3.793966	0.012458	0.267088	0.245721	1349.169	0.054728	0.010946
94	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
95	P-17	Distribution Extension to Substation	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
96	P-17	Distribution Extension to Substation	Skid steer loader	Diesel	2	8	Skid Steer Loaders	74	0.37	3	2	2026	0.129237	1.745434	3.133546	0.004717	0.049673	0.045699	510.5425	0.02071	0.004142
97	P-17	Distribution Extension to Substation	Backhoe - 2X4	Diesel	1	8	Excavators	68	0.38	3	2	2026	0.331504	2.437977	1.911772	0.002241	0.252336	0.232149	243.3133	0.00987	0.001974
98	L-18	Fiber Extension to Substation	Crane - 35 Ton (Manlift)	Diesel	2	8	Cranes	250	0.29	6	5	2026	0.639103	6.420526	3.793966	0.012458	0.267088	0.245721	1349.169	0.054728	0.010946
99	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
100	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
101	L-18	Fiber Extension to Substation	Skid steer loader	Diesel	2	8	Skid Steer Loaders	74	0.37	3	2	2026	0.129237	1.745434	3.133546	0.004717	0.049673	0.045699	510.5425	0.02071	0.004142
102	L-18	Fiber Extension to Substation	Trencher	Diesel	1	8	Trenchers	75	0.5	4	3	2026	0.24988	2.465464	2.392455	0.003231	0.153191	0.140935	350.1083	0.014202	0.00284
103	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
104	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
105	P-19	Pittsburg Substation Upgrades	Crane - 35 Ton (Manlift)	Diesel	1	5	Cranes	250	0.29	6	5	2026	0.19972	2.006414	1.185614	0.003893	0.083465	0.076788	421.6153	0.017103	0.003421
106	P-19	Pittsburg Substation Upgrades	Forklift -15,000 lb	Diesel	2	4	Forklifts	130	0.2	5	4	2026	0.088175	0.657906	1.448369	0.002234	0.033015	0.030374	241.8763	0.009812	0.001962
107	P-19	Pittsburg Substation Upgrades	120' Manlift	Diesel	2	7	Aerial Lifts	74	0.31	3	2	2026	0.072721	1.099747	2.238915	0.003454	0.021631	0.0199	373.7517	0.015161	0.003032
108	P-19	Pittsburg Substation Upgrades	Excavator	Diesel	1	6	Excavators	108	0.38	5	3	2026	0.079879	0.548249	1.667361	0.002648	0.026408	0.024295	286.5711	0.011625	0.002325
109	P-19	Pittsburg Substation Upgrades	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
110	P-19	Pittsburg Substation Upgrades	Generator – 25 Kw	Diesel	1	8	Generator Sets	36	0.74	2	1	2026	0.158744	1.58925	1.753113	0.003452	0.037182	0.034207	267.0218	0.010832	0.002166
111	P-19	Pittsburg Substation Upgrades	Loader - 4-5 Yd	Diesel	1	6	Rubber Tired Loaders	230	0.36	6	5	2026	0.191751	1.464639	1.276848	0.005328	0.049179	0.045244	576.7539	0.023396	0.004679
112	P-19	Pittsburg Substation Upgrades	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
113	P-19	Pittsburg Substation Upgrades	Excavator	Diesel	1	8	Excavators	275	0.38	6	5	2026	0.239595	1.691742	2.025738	0.008994	0.057305	0.05272	973.4656	0.039488	0.007898
114	P-19	Pittsburg Substation Upgrades	Skid steer loader	Diesel	2	8	Skid Steer Loaders	74	0.37	3	2	2026	0.129237	1.745434	3.133546	0.004717	0.049673	0.045699	510.5425	0.02071	0.004142
115	L-20	Commissioning and Testing	Manlift - 40'	Diesel	3	8	Aerial Lifts	49	0.31	2	1	2026	0.122547	2.3097	2.471766	0.004358	0.016639	0.015308	471.7014	0.019134	0.003827
116	L-20	Commissioning and Testing	Deck Generator	Diesel	0	0	Generator Sets	170	0.74	2	4	2026	0	0	0	0	0	0	0	0	0
117	L-20	Commissioning and Testing	Crane - 35 Ton (Manlift)	Diesel	2	8	Cranes	250	0.29	6	5	2026	0.639103	6.420526	3.793966	0.012458	0.267088	0.245721	1349.169	0.054728	0.010946
118	L-21	Cleanup and Restoration	Motor Grader	Diesel	2	8	Graders	250	0.41	6	5	2026	0.792091	7.660972	4.326554	0.01762	0.25763	0.237019	1907.93	0.077394	0.015479
119	L-21	Cleanup and Restoration	Backhoe - 2X4	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
120	L-21	Cleanup and Restoration	Skid steer loader	Diesel	1	8	Skid Steer Loaders	74	0.37	3	2	2026	0.064619	0.872717	1.566773	0.002359	0.024837	0.02285	255.2712	0.010355	0.002071
121	L-21	Cleanup and Restoration	Excavator	Diesel	1	8	Excavators	250	0.38	6	5	2026	0.217813	1.537948	1.84158	0.008177	0.052095	0.047928	884.9688	0.035898	0.00718
122	L-21	Cleanup and Restoration	D6 Type Dozer	Diesel	1	8	Rubber Tired Dozers	250	0.4	6	5	2026	0.840849	8.9615	6.293526	0.008597	0.397162	0.365389	932.094	0.03781	0.007562
123	P-22	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
124	P-22	Foundation Installation	Skid steer loader	Diesel	1	4	Skid Steer Loaders	74	0.37	3	2	2026	0.032309	0.436359	0.783387	0.001179	0.012418	0.011425	127.6356	0.005177	0.001035
125	P-23	Structure and Conductor Installation	Crane - 35 Ton (Manlift)	Diesel	1	8	Cranes	250	0.29	6	5	2026	0.319551	3.210263	1.896983	0.006229	0.133544	0.12286	674.5844	0.027364	0.005473
126	P-23	Structure and Conductor Installation	Crane - 200 Ton	Diesel	1	8	Cranes	275	0.29	6	5	2026	0.351507	3.531289	2.086681	0.006852	0.146898	0.135146	742.0429	0.030101	0.00602
127	P-23	Structure and Conductor Installation	D8 Sag Dozer	Diesel	1	4	Rubber Tired Dozers	200	0.4	6	5	2026	0.33634	3.5846	2.51741	0.003439	0.158865	0.146156	372.8376	0.015124	0.003025
128	P-23	Structure and Conductor Installation	Wire Puller	Diesel	1	4	Other Construction Equipment	175	0.42	6	5	2026	0.132514	1.327475	0.890728	0.003168	0.05282	0.048594	343.0432	0.013915	0.002783
129	P-23	Structure and Conductor Installation	Wire Trailer/ Tensioner	Diesel	1	4	Other Construction Equipment	175	0.42	6	5	2026	0.132514	1.327475	0.890728	0.003168	0.05282	0.048594	343.0432	0.013915	0.002783
130	L-24	Northern Transition Approach Construction	Onshore Excavator	Diesel	1	8	Excavators	600	0.38	8	7	2026	0.658946	5.713076	5.174772	0.019715	0.202143	0.185972	2134.197	0.086572	0.017314
131	L-24	Northern Transition Approach Construction	Onshore End Loader	Diesel	1	8	Tractors/Loaders/Backhoes	250	0.37	6	5	2026	0.258677	2.081633	1.98969	0.007951	0.08136	0.074852	860.7154	0.034914	0.006983
132	L-24	Northern Transition Approach Construction	Onshore Crane	Diesel	1	8	Cranes	180	0.29	6	5	2026	0.230077	2.311389	1.365828	0.004485	0.096152	0.088459	485.7008	0.019702	0.00394
133	L-24	Northern Transition Approach Construction	Air Compressor	Diesel	1	8	Air Compressors	50	0.48	2	2	2026	0.216772	1.543152	2.041128	0.00311	0.041718	0.03838	240.5483	0.009758	0.001952
134	L-24	Northern Transition Approach Construction	Onshore Dewatering Equip	Diesel	2	8	Other Construction Equipment	50	0.42	3	2	2026	0.850721	7.275992	3.51186	0.003559	0.559689	0.514914	387.1762	0.015706	0.003141
135	P-25	Tesla Substation Upgrades	Crane - 35 Ton (Manlift)	Diesel	2	5	Cranes	250	0.29	6	5	2026	0.399439	4.012829	2.371229	0.007786	0.16693	0.153575	843.2305	0.034205	0.006841
136	P-25	Tesla 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
137	P-25	Tesla Substation Upgrades	Manlift - 40'	Diesel	3	5	Aerial Lifts	49	0.31	2	1	2026	0.076592	1.443562	1.544854	0.002724	0.0104	0.009568	294.8133	0.011959	0.002392
138	P-25	Tesla Substation Upgrades	Excavator	Diesel	1	8	Excavators	108	0.38	5	3	2026	0.106506	0.730999	2.223148	0.00353	0.03521	0.032394	382.0948	0.015499	0.0031
139	P-25	Tesla Substation Upgrades	Generator – 25 Kw	Diesel	1	8	Generator Sets	36	0.74	2	1	2026	0.158744	1.58925	1.753113	0.003452	0.037182	0.034207	267.0218	0.010832	0.002166
140	P-25	Tesla Substation Upgrades	Skid steer loader	Diesel	1	8	Skid Steer Loaders	74	0.37	3	2	2026	0.064619	0.872717	1.566773	0.002359	0.024837	0.02285	255.2712	0.010355	0.002071
141	P-26	Vaca Dixon Substation Upgrades	Crane - 35 Ton (Manlift)	Diesel	2	5	Cranes	250	0.29	6	5	2026	0.399439	4.012829	2.371229	0.007786	0.16693	0.153575	843.2305	0.034205	0.006841
142	P-26	Vaca Dixon 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
143	P-26	Vaca Dixon Substation Upgrades	Manlift - 40'	Diesel	3	5	Aerial Lifts	49	0.31	2	1	2026	0.076592	1.443562	1.544854	0.002724	0.0104	0.009568	294.8133	0.011959	0.002392
144	P-26	Vaca Dixon Substation Upgrades	Excavator	Diesel	1	8	Excavators	108	0.38	5	3	2026	0.106506	0.730999	2.223148	0.00353	0.03521	0.032394	382.0948	0.015499	0.0031
145	P-26	Vaca Dixon Substation Upgrades	Generator – 25 Kw	Diesel	1	8	Generator Sets	36	0.74	2	1	2026	0.158744	1.58925	1.753113	0.003452	0.037182	0.034207	267.0218	0.010832	0.002166
146	P-26	Vaca Dixon Substation Upgrades	Skid steer loader	Diesel	1	8	Skid Steer Loaders	74	0.37	3	2	2026	0.064619	0.872717	1.566773	0.002359	0.024837	0.02285	255.2712	0.010355	0.002071
147	P-27	PG&E IT Work	Crane - 35 Ton (Manlift)	Diesel	1	5	Cranes	250	0.29	6	5	2026	0.19972	2.006414	1.185614	0.003893	0.083465	0.076788	421.6153	0.017103	0.003421
148	P-27	PG&E IT Work	Forklift -15,000 lb	Diesel	2	4	Forklifts	130	0.2	5	4	2026	0.088175	0.657906	1.448369	0.002234	0.033015	0.030374	241.8763	0.009812	0.001962
149	P-27	PG&E IT Work	120' Manlift	Diesel	1	7	Aerial Lifts	74	0.31	3	2	2026	0.03636	0.549874	1.119457	0.001727	0.010815	0.00995	186.8758	0.007581	0.001516
150	P-27	PG&E IT Work	Excavator	Diesel	1	6	Excavators	108	0.38	5	3	2026	0.079879	0.548249	1.667361	0.002648	0.026408	0.024295	286.5711	0.011625	0.002325
151	P-27	PG&E IT Work	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
152	P-27	PG&E IT Work	Generator – 25 Kw	Diesel	1	8	Generator Sets	36	0.74	2	1	2026	0.158744	1.58925	1.753113	0.003452	0.037182	0.034207	267.0218	0.010832	0.002166
153	P-27	PG&E IT Work	Loader - 4-5 Yd	Diesel	1	6	Rubber Tired Loaders	230	0.36	6	5	2026	0.191751	1.464639	1.276848	0.005328	0.049179	0.045244	576.7539	0.023396	0.004679
154	P-27	PG&E IT Work	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
155	P-27	PG&E IT Work	Excavator	Diesel	1	8	Excavators	275	0.38	6	5	2026	0.239595	1.691742	2.025738	0.008994	0.057305	0.05272	973.4656	0.039488	0.007898
156	P-27	PG&E IT Work	Skid steer loader	Diesel	2	8	Skid Steer Loaders	74	0.37	3	2	2026	0.129237	1.745434	3.133546	0.004717	0.049673	0.045699	510.5425	0.02071	0.004142

Table 20: Off-Road Uncontrolled Emissions (tons)

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
1	L-02	76	0.019431	0.148417	0.129387	0.000539866	0.004983	0.004585	58.4444	0.002371	0.000474152
2	L-02	76	0.030099	0.291117	0.164409	0.000669564	0.00979	0.009007	72.50133	0.002941	0.000588194
3	L-02	76	0.103437	0.91832	0.812015	0.002577072	0.035813	0.032948	279.0155	0.011318	0.002263618
4	L-02	76	0.009646	0.079993	0.232782	0.000389671	0.003557	0.003273	42.17301	0.001711	0.000342144
5	L-02	76	0.012065	0.120783	0.133237	0.000262346	0.002826	0.0026	20.29366	0.000823	0.00016464
6	L-02	76	0.010052	0.075001	0.165114	0.000254685	0.003764	0.003463	27.5739	0.001119	0.000223704
7	L-02	76	0.014104	0.098355	0.093182	0.00036745	0.003667	0.003374	39.78145	0.001614	0.000322742
8	L-03	152	0.016189	0.111112	0.337918	0.000536562	0.005352	0.004924	58.07841	0.002356	0.000471183
9	L-03	152	0.020104	0.150002	0.330228	0.00050937	0.007527	0.006925	55.14779	0.002237	0.000447407
10	L-03	152	0.037791	0.277929	0.217942	0.000255512	0.028766	0.026465	27.73772	0.001125	0.000225033
11	L-03	152	0.01621	0.11921	0.09348	0.000109595	0.012339	0.011351	11.89731	0.000483	9.65214E-05
12	L-03	152	0.012065	0.120783	0.133237	0.000262346	0.002826	0.0026	20.29366	0.000823	0.00016464
13	L-03	152	0.038862	0.296833	0.258775	0.001079731	0.009967	0.00917	116.8888	0.004742	0.000948304
14	L-03	152	0.021452	0.197716	0.195553	0.00089477	0.006492	0.005973	96.83652	0.003928	0.000785623
15	L-03	152	0.018209	0.128572	0.153956	0.000683562	0.004355	0.004007	73.98339	0.003001	0.000600218
16	L-03	152	0.023739	0.234219	0.227283	0.000306919	0.014553	0.013389	33.26029	0.001349	0.000269837
17	L-03	152	0.009822	0.132653	0.23815	0.000358493	0.003775	0.003473	38.80123	0.001574	0.00031479
18	L-03	152	0.012589	0.12611	0.084619	0.00030099	0.005018	0.004616	32.5891	0.001322	0.000264391
19	L-03	152	0.012589	0.12611	0.084619	0.00030099	0.005018	0.004616	32.5891	0.001322	0.000264391
20	L-04	333	0.027579	0.276281	0.185383	0.000659406	0.010993	0.010114	71.39586	0.002896	0.000579226
21	L-04	333	0.027579	0.276281	0.185383	0.000659406	0.010993	0.010114	71.39586	0.002896	0.000579226
22	L-04	333	0.029263	0.29398	0.173716	0.000570416	0.012229	0.011251	61.77507	0.002506	0.000501173
23	L-04	333	0.052862	0.52922	0.583787	0.001149491	0.012381	0.011391	88.91827	0.003607	0.000721383
24	L-04	333	0.066507	0.668136	0.39481	0.001296399	0.027794	0.02557	140.3979	0.005695	0.00113903
25	L-04	333	0.014681	0.109541	0.241153	0.000371974	0.005497	0.005057	40.2724	0.001634	0.000326725
26	L-04	333	0.007341	0.054771	0.120577	0.000185987	0.002749	0.002529	20.1362	0.000817	0.000163362
27	L-04	333	0.190763	1.510731	0.618407	0.000472652	0.110764	0.101903	51.63394	0.002094	0.0004189
28	L-04	333	0.006919	0.104633	0.213017	0.000328596	0.002058	0.001893	35.5598	0.001442	0.000288492
29	P-05	54	0.007621	0.070241	0.069473	0.000317879	0.002306	0.002122	34.40245	0.001396	0.000279103
30	P-05	35	0.001131	0.015273	0.027419	4.12739E-05	0.000435	0.0004	4.467247	0.000181	3.62422E-05
31	P-05	35	0.003086	0.023027	0.050693	7.81928E-05	0.001156	0.001063	8.46567	0.000343	6.86809E-05
32	P-05	35	0.002796	0.02809	0.016599	5.45033E-05	0.001169	0.001075	5.902614	0.000239	4.78872E-05
33	P-05	35	0.004474	0.034175	0.029793	0.000124311	0.001148	0.001056	13.45759	0.000546	0.00010918

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
34	P-05	20	0.003978	0.03399	0.032784	4.46746E-05	0.002018	0.001856	4.842705	0.000196	3.92883E-05
35	P-05	20	0.002178	0.015379	0.018416	8.17657E-05	0.000521	0.000479	8.849688	0.000359	7.17964E-05
36	P-05	20	0.00101	0.00838	0.024386	4.08221E-05	0.000373	0.000343	4.418058	0.000179	3.58432E-05
37	P-06	40	0.012782	0.128411	0.075879	0.000249158	0.005342	0.004914	26.98338	0.001095	0.000218913
38	P-06	20	0.000729	0.005433	0.004678	1.88243E-05	0.000207	0.000191	2.038008	8.27E-05	1.65341E-05
39	P-06	40	0.00703	0.070626	0.041734	0.000137037	0.002938	0.002703	14.84086	0.000602	0.000120402
40	P-07	40	0.006391	0.064205	0.03794	0.000124579	0.002671	0.002457	13.49169	0.000547	0.000109456
41	P-07	6	0.002018	0.021508	0.015104	2.06324E-05	0.000953	0.000877	2.237026	9.07E-05	1.81487E-05
42	P-07	40	0.003313	0.033187	0.022268	7.9208E-05	0.00132	0.001215	8.57608	0.000348	6.95767E-05
43	P-07	40	0.003313	0.033187	0.022268	7.9208E-05	0.00132	0.001215	8.57608	0.000348	6.95767E-05
44	L-08	16	0.003168	0.030644	0.017306	7.04805E-05	0.001031	0.000948	7.631719	0.00031	6.19152E-05
45	L-08	16	0.000517	0.006982	0.012534	1.88681E-05	0.000199	0.000183	2.04217	8.28E-05	1.65679E-05
46	L-08	16	0.006727	0.071692	0.050348	6.87746E-05	0.003177	0.002923	7.456752	0.000302	6.04957E-05
47	L-08	16	0.001743	0.012304	0.014733	6.54126E-05	0.000417	0.000383	7.07975	0.000287	5.74371E-05
48	L-09	22	0.003105	0.028617	0.028304	0.000129506	0.00094	0.000864	14.01581	0.000569	0.000113709
49	L-09	22	0.000711	0.0096	0.017235	2.59436E-05	0.000273	0.000251	2.807984	0.000114	2.27808E-05
50	L-09	22	0.00194	0.014474	0.031864	4.91498E-05	0.000726	0.000668	5.321278	0.000216	4.31709E-05
51	L-09	22	0.001758	0.017656	0.010433	3.42592E-05	0.000734	0.000676	3.710214	0.000151	3.01005E-05
52	L-09	22	0.005444	0.037962	0.035965	0.000141823	0.001415	0.001302	15.35424	0.000623	0.000124567
53	L-09	22	0.00065	0.006533	0.00386	1.26759E-05	0.000272	0.00025	1.372779	5.57E-05	1.11372E-05
54	L-10	24	0.007669	0.077046	0.045528	0.000149495	0.003205	0.002949	16.19003	0.000657	0.000131348
55	L-10	24	0.000661	0.004934	0.010863	1.67556E-05	0.000248	0.000228	1.814072	7.36E-05	1.47173E-05
56	L-10	24	0.004218	0.042375	0.02504	8.22221E-05	0.001763	0.001622	8.904514	0.000361	7.22412E-05
57	L-10	24	0.005939	0.041413	0.039235	0.000154716	0.001544	0.001421	16.75008	0.000679	0.000135891
58	L-11	26	0.024925	0.250401	0.147965	0.000485858	0.010416	0.009583	52.61758	0.002134	0.00042688
59	L-11	26	0.026234	0.279599	0.196358	0.000268221	0.012391	0.0114	29.08133	0.00118	0.000235933
60	L-11	26	0.002153	0.021571	0.014474	5.14852E-05	0.000858	0.00079	5.574452	0.000226	4.52248E-05
61	L-11	26	0.002153	0.021571	0.014474	5.14852E-05	0.000858	0.00079	5.574452	0.000226	4.52248E-05
62	L-14	122	0.361598	3.325699	3.797489	0.007129263	0.081795	0.075251	551.4802	0.02237	0.00447409
63	L-14	122	0.120033	1.201704	1.325609	0.002610159	0.028115	0.025866	201.9075	0.00819	0.00163805
64	L-14	122	0.02627	0.231981	0.373025	0.000577427	0.011989	0.01103	62.52543	0.002536	0.000507261
65	L-14	122	0.062357	0.624672	0.419151	0.00149092	0.024855	0.022867	161.4263	0.006548	0.001309632
66	L-14	122	0.015012	0.132561	0.213157	0.000329958	0.006851	0.006303	35.72882	0.001449	0.000289863
67	L-14	122	0.008772	0.088122	0.052072	0.000170985	0.003666	0.003373	18.51734	0.000751	0.000150229

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
68	L-14	122	0.083143	0.832896	0.558868	0.001987894	0.033141	0.030489	215.2351	0.008731	0.001746175
69	L-14	122	0.057159	0.57224	0.631242	0.001242933	0.013388	0.012317	96.14641	0.0039	0.000780024
70	L-14	67	0.004122	0.0364	0.058531	9.06033E-05	0.001881	0.001731	9.810782	0.000398	7.95936E-05
71	L-14	67	0.001927	0.019358	0.011439	3.75605E-05	0.000805	0.000741	4.067744	0.000165	3.30011E-05
72	L-14	67	0.001815	0.012924	0.017094	2.60437E-05	0.000349	0.000321	2.014592	8.17E-05	1.63441E-05
73	L-14	67	0.037669	0.377116	0.415999	0.000819113	0.008823	0.008117	63.36206	0.00257	0.000514048
74	L-14	70	0.042442	0.424904	0.468714	0.000922911	0.009941	0.009146	71.39126	0.002896	0.000579188
75	L-14	20	0.004685	0.046936	0.031494	0.000112023	0.001868	0.001718	12.12903	0.000492	9.84013E-05
76	L-15	138	0	0	0	0	0	0	0	0	0
77	L-15	138	0.015875	0.159486	0.094242	0.000309454	0.006634	0.006104	33.51335	0.001359	0.00027189
78	L-15	138	0.01819	0.182744	0.107986	0.000354583	0.007602	0.006994	38.40072	0.001558	0.00031154
79	L-15	138	0.022812	0.195983	0.189926	0.0007487	0.007403	0.006811	81.04119	0.003287	0.000657477
80	L-15	138	0.014957	0.106477	0.140838	0.000214569	0.002879	0.002648	16.59784	0.000673	0.000134656
81	L-15	138	0.0587	0.502043	0.242318	0.00024554	0.038619	0.035529	26.71516	0.001084	0.000216737
82	L-16	70	0.011112	0.111247	0.122718	0.000241635	0.002603	0.002394	18.69153	0.000758	0.000151642
83	L-16	70	0.01398	0.140449	0.082993	0.000272516	0.005843	0.005375	29.51307	0.001197	0.000239436
84	L-16	70	0.003086	0.023027	0.050693	7.81928E-05	0.001156	0.001063	8.46567	0.000343	6.86809E-05
85	L-16	70	0.001543	0.011513	0.025346	3.90964E-05	0.000578	0.000532	4.232835	0.000172	3.43405E-05
86	L-16	70	0.0401	0.317571	0.129995	9.93562E-05	0.023284	0.021421	10.85398	0.00044	8.8057E-05
87	L-16	70	0.005797	0.058077	0.038969	0.000138614	0.002311	0.002126	15.00814	0.000609	0.000121759
88	L-16	70	0.005797	0.058077	0.038969	0.000138614	0.002311	0.002126	15.00814	0.000609	0.000121759
89	L-16	70	0.004523	0.06109	0.109674	0.000165095	0.001739	0.001599	17.86899	0.000725	0.000144969
90	L-16	70	0.017404	0.127994	0.100368	0.00011767	0.013248	0.012188	12.77395	0.000518	0.000103633
91	P-17	51	0.004224	0.042313	0.028392	0.00010099	0.001684	0.001549	10.9345	0.000444	8.87102E-05
92	P-17	51	0.004224	0.042313	0.028392	0.00010099	0.001684	0.001549	10.9345	0.000444	8.87102E-05
93	P-17	51	0.016297	0.163723	0.096746	0.000317676	0.006811	0.006266	34.40381	0.001396	0.000279114
94	P-17	51	0.003373	0.025165	0.0554	8.54536E-05	0.001263	0.001162	9.251768	0.000375	7.50584E-05
95	P-17	51	0.007198	0.066339	0.065613	0.000300219	0.002178	0.002004	32.4912	0.001318	0.000263597
96	P-17	51	0.003296	0.044509	0.079905	0.000120284	0.001267	0.001165	13.01883	0.000528	0.00010562
97	P-17	51	0.008453	0.062168	0.04875	5.7154E-05	0.006435	0.00592	6.20449	0.000252	5.03362E-05
98	L-18	103	0.032914	0.330657	0.195389	0.000641581	0.013755	0.012655	69.48219	0.002819	0.0005637
99	L-18	103	0.002838	0.021176	0.046619	7.19095E-05	0.001063	0.000978	7.785393	0.000316	6.31619E-05
100	L-18	103	0.021968	0.161561	0.12669	0.00014853	0.016722	0.015384	16.12398	0.000654	0.000130812
101	L-18	103	0.006656	0.08989	0.161378	0.000242926	0.002558	0.002354	26.29294	0.001067	0.000213311

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
102	L-18	103	0.012869	0.126971	0.123211	0.000166383	0.007889	0.007258	18.03058	0.000731	0.00014628
103	L-18	103	0.008531	0.085456	0.057341	0.000203961	0.0034	0.003128	22.08341	0.000896	0.00017916
104	L-18	103	0.008531	0.085456	0.057341	0.000203961	0.0034	0.003128	22.08341	0.000896	0.00017916
105	P-19	144	0.01438	0.144462	0.085364	0.000280303	0.006009	0.005529	30.3563	0.001231	0.000246277
106	P-19	144	0.006349	0.047369	0.104283	0.000160854	0.002377	0.002187	17.41509	0.000706	0.000141286
107	P-19	144	0.005236	0.079182	0.161202	0.000248668	0.001557	0.001433	26.91012	0.001092	0.000218318
108	P-19	144	0.005751	0.039474	0.12005	0.000190621	0.001901	0.001749	20.63312	0.000837	0.000167394
109	P-19	144	0.030713	0.225871	0.17712	0.000207653	0.023378	0.021508	22.54226	0.000914	0.000182883
110	P-19	144	0.01143	0.114426	0.126224	0.000248539	0.002677	0.002463	19.22557	0.00078	0.000155975
111	P-19	144	0.013806	0.105454	0.091933	0.000383589	0.003541	0.003258	41.52628	0.001684	0.000336898
112	P-19	144	0.020323	0.18731	0.18526	0.000847677	0.00615	0.005658	91.73986	0.003721	0.000744274
113	P-19	144	0.017251	0.121805	0.145853	0.000647585	0.004126	0.003796	70.08953	0.002843	0.000568628
114	P-19	144	0.009305	0.125671	0.225615	0.000339625	0.003576	0.00329	36.75906	0.001491	0.000298222
115	L-20	174	0.010662	0.200944	0.215044	0.000379152	0.001448	0.001332	41.03802	0.001665	0.000332936
116	L-20	174	0	0	0	0	0	0	0	0	0
117	L-20	174	0.055602	0.558586	0.330075	0.001083836	0.023237	0.021378	117.3777	0.004761	0.00095227
118	L-21	140	0.055446	0.536268	0.302859	0.001233408	0.018034	0.016591	133.5551	0.005418	0.001083516
119	L-21	140	0.046411	0.341317	0.267648	0.000313787	0.035327	0.032501	34.06387	0.001382	0.000276356
120	L-21	140	0.004523	0.06109	0.109674	0.000165095	0.001739	0.001599	17.86899	0.000725	0.000144969
121	L-21	140	0.015247	0.107656	0.128911	0.00057236	0.003647	0.003355	61.94781	0.002513	0.000502575
122	L-21	140	0.058859	0.627305	0.440547	0.000601778	0.027801	0.025577	65.24658	0.002647	0.000529337
123	P-22	36	0.005081	0.046827	0.046315	0.000211919	0.001538	0.001415	22.93497	0.00093	0.000186069
124	P-22	30	0.000485	0.006545	0.011751	1.76888E-05	0.000186	0.000171	1.914534	7.77E-05	1.55324E-05
125	P-23	36	0.005752	0.057785	0.034146	0.000112121	0.002404	0.002211	12.14252	0.000493	9.85107E-05
126	P-23	36	0.006327	0.063563	0.03756	0.000123333	0.002644	0.002433	13.35677	0.000542	0.000108362
127	P-23	3	0.000505	0.005377	0.003776	5.15809E-06	0.000238	0.000219	0.559256	2.27E-05	4.53718E-06
128	P-23	36	0.002385	0.023895	0.016033	5.70297E-05	0.000951	0.000875	6.174777	0.00025	5.00952E-05
129	P-23	36	0.002385	0.023895	0.016033	5.70297E-05	0.000951	0.000875	6.174777	0.00025	5.00952E-05
130	L-24	138	0.045467	0.394202	0.357059	0.001360361	0.013948	0.012832	147.2596	0.005973	0.001194699
131	L-24	138	0.017849	0.143633	0.137289	0.000548642	0.005614	0.005165	59.38936	0.002409	0.000481818
132	L-24	138	0.015875	0.159486	0.094242	0.000309454	0.006634	0.006104	33.51335	0.001359	0.00027189
133	L-24	138	0.014957	0.106477	0.140838	0.000214569	0.002879	0.002648	16.59784	0.000673	0.000134656
134	L-24	138	0.0587	0.502043	0.242318	0.00024554	0.038619	0.035529	26.71516	0.001084	0.000216737
135	P-25	72	0.01438	0.144462	0.085364	0.000280303	0.006009	0.005529	30.3563	0.001231	0.000246277

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
136	P-25	72	0.001587	0.011842	0.026071	4.02134E-05	0.000594	0.000547	4.353773	0.000177	3.53216E-05
137	P-25	72	0.002757	0.051968	0.055615	9.80567E-05	0.000374	0.000344	10.61328	0.000431	8.61042E-05
138	P-25	72	0.003834	0.026316	0.080033	0.000127081	0.001268	0.001166	13.75541	0.000558	0.000111596
139	P-25	144	0.01143	0.114426	0.126224	0.000248539	0.002677	0.002463	19.22557	0.00078	0.000155975
140	P-25	72	0.002326	0.031418	0.056404	8.49063E-05	0.000894	0.000823	9.189764	0.000373	7.45554E-05
141	P-26	132	0.026363	0.264847	0.156501	0.000513888	0.011017	0.010136	55.65321	0.002258	0.000451508
142	P-26	132	0.00291	0.021711	0.047796	7.37246E-05	0.00109	0.001002	7.981918	0.000324	6.47563E-05
143	P-26	132	0.005055	0.095275	0.10196	0.000179771	0.000686	0.000631	19.45768	0.000789	0.000157858
144	P-26	132	0.007029	0.048246	0.146728	0.000232981	0.002324	0.002138	25.21826	0.001023	0.000204593
145	P-26	224	0.017779	0.177996	0.196349	0.000386616	0.004164	0.003831	29.90645	0.001213	0.000242627
146	P-26	132	0.004265	0.057599	0.103407	0.000155661	0.001639	0.001508	16.8479	0.000683	0.000136685
147	P-27	150	0.014979	0.150481	0.088921	0.000291982	0.00626	0.005759	31.62114	0.001283	0.000256538
148	P-27	150	0.006613	0.049343	0.108628	0.000167556	0.002476	0.002278	18.14072	0.000736	0.000147173
149	P-27	150	0.002727	0.041241	0.083959	0.000129514	0.000811	0.000746	14.01569	0.000569	0.000113708
150	P-27	150	0.005991	0.041119	0.125052	0.000198563	0.001981	0.001822	21.49283	0.000872	0.000174369
151	P-27	150	0.031993	0.235283	0.1845	0.000216305	0.024352	0.022404	23.48153	0.000953	0.000190503
152	P-27	202	0.016033	0.160514	0.177064	0.000348645	0.003755	0.003455	26.96921	0.001094	0.000218798
153	P-27	150	0.014381	0.109848	0.095764	0.000399572	0.003688	0.003393	43.25654	0.001755	0.000350935
154	P-27	150	0.02117	0.195114	0.19298	0.000882997	0.006407	0.005894	95.56236	0.003876	0.000775285
155	P-27	150	0.01797	0.126881	0.15193	0.000674567	0.004298	0.003954	73.00992	0.002962	0.00059232
156	P-27	150	0.009693	0.130908	0.235016	0.000353776	0.003725	0.003427	38.29069	0.001553	0.000310648

Table 21: Off-Road Controlled Daily Emissions (pounds/day)

Count	Activity Index	Activity Name	Equipment Name	Fuel Type	Quantity	Hours Per Day	CalEEModType	HP	LF	CalEEMod Bin	Tier Bin Name	Year	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
1	L-02	Site Development/Staging Yards	Loader - 4-5 Yd	Diesel	2	8	Rubber Tired Loaders	230	0.36	6	Tier 4 Final_5	2026	0.146034	0.759377	7.593769	0.014207	0.029207	0.029207	1538.01	0.062388	0.012478
2	L-02	Site Development/Staging Yards	Motor Grader	Diesel	2	8	Graders	250	0.41	6	Tier 4 Final_5	2026	0.180779	0.94005	9.400499	0.01762	0.036156	0.036156	1907.93	0.077394	0.015479
3	L-02	Site Development/Staging Yards	Scraper	Diesel	4	8	Scrapers	410	0.48	7	Tier 4 Final_6	2026	0.694191	3.609792	36.09792	0.067818	0.138838	0.138838	7342.513	0.297844	0.059569
4	L-02	Site Development/Staging Yards	Vibratory Roller	Diesel	2	8	Rollers	157	0.38	5	Tier 4 Final_4	2026	0.105222	0.547155	7.786436	0.010255	0.021044	0.021044	1109.816	0.045019	0.009004
5	L-02	Site Development/Staging Yards	Generator – 25 Kw	Diesel	2	8	Generator Sets	36	0.74	2	Tier 4 Final_1	2026	0.317487	3.178499	3.506226	0.006904	0.074363	0.068414	534.0437	0.021663	0.004333
6	L-02	Site Development/Staging Yards	Forklift - 15,000 lb	Diesel	4	6	Forklifts	130	0.2	5	Tier 4 Final_4	2026	0.068784	0.357678	5.090027	0.006702	0.013757	0.013757	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	Tier 4 Final_6	2026	0.099287	0.516294	5.162938	0.00967	0.019857	0.019857	1046.88	0.042466	0.008493
8	L-03	Below-Grade Construction	Excavator	Diesel	2	8	Excavators	108	0.38	5	Tier 4 Final_3	2026	0.072382	0.376387	5.356274	0.00706	0.014476	0.014476	764.1896	0.030999	0.0062
9	L-03	Below-Grade Construction	Forklift - 15 K Reach	Diesel	3	8	Forklifts	130	0.2	5	Tier 4 Final_4	2026	0.068784	0.357678	5.090027	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	3	Tier 4 Final_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	Tier 4 Final_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	8	Generator Sets	36	0.74	2	Tier 4 Final_1	2026	0.158744	1.58925	1.753113	0.003452	0.037182	0.034207	267.0218	0.010832	0.002166
13	L-03	Below-Grade Construction	Loader - 4-5 Yd	Diesel	2	8	Rubber Tired Loaders	230	0.36	6	Tier 4 Final_5	2026	0.146034	0.759377	7.593769	0.014207	0.029207	0.029207	1538.01	0.062388	0.012478
14	L-03	Below-Grade Construction	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
15	L-03	Below-Grade Construction	Excavator	Diesel	1	8	Excavators	275	0.38	6	Tier 4 Final_5	2026	0.092153	0.479196	4.791962	0.008994	0.018431	0.018431	973.4656	0.039488	0.007898
16	L-03	Below-Grade Construction	Trencher	Diesel	2	5	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
17	L-03	Below-Grade Construction	Skid steer loader	Diesel	2	8	Skid Steer Loaders	74	0.37	3	Tier 4 Final_2	2026	0.129237	1.745434	3.133546	0.004717	0.049673	0.045699	510.5425	0.02071	0.004142
18	L-03	Below-Grade Construction	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
19	L-03	Below-Grade Construction	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
20	L-04	Above-Grade Construction	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
21	L-04	Above-Grade Construction	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
22	L-04	Above-Grade Construction	Crane - 200 Ton	Diesel	1	4	Cranes	275	0.29	6	Tier 4 Final_5	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	8	Generator Sets	36	0.74	2	Tier 4 Final_1	2026	0.317487	3.178499	3.506226	0.006904	0.074363	0.068414	534.0437	0.021663	0.004333
24	L-04	Above-Grade Construction	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
25	L-04	Above-Grade Construction	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
26	L-04	Above-Grade Construction	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
27	L-04	Above-Grade Construction	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
28	L-04	Above-Grade Construction	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
29	P-05	Foundation Installation	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
30	P-05	Foundation Installation	Skid steer loader	Diesel	1	8	Skid Steer Loaders	74	0.37	3	Tier 4 Final_2	2026	0.064619	0.872717	1.566773	0.002359	0.024837	0.02285	255.2712	0.010355	0.002071
31	P-05	Foundation Installation	Forklift - 10 K Reach	Diesel	2	8	Forklifts	130	0.2	5	Tier 4 Final_4	2026	0.045856	0.238452	3.393351	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	6	Tier 4 Final_5	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	6	Tier 4 Final_5	2026	0.073017	0.379688	3.796885	0.007103	0.014603	0.014603	769.0052	0.031194	0.006239
34	P-05	Foundation Installation	D4 Type Dozer	Diesel	1	8	Rubber Tired Dozers	130	0.4	5	Tier 4 Final_4	2026	0.045856	0.238452	3.393351	0.004467	0.009171	0.009171	484.2705	0.019644	0.003929
35	P-05	Foundation Installation	Excavator	Diesel	1	8	Excavators	250	0.38	6	Tier 4 Final_5	2026	0.083776	0.435633	4.356329	0.008177	0.016755	0.016755	884.9688	0.035898	0.00718
36	P-05	Foundation Installation	Vibratory Roller	Diesel	1	8	Rollers	125	0.38	5	Tier 4 Final_4	2026	0.041888	0.217816	3.099696	0.004082	0.008378	0.008378	441.8058	0.017922	0.003584
37	P-06	Structure Installation	Crane - 35 Ton (Manlift)	Diesel	2	8	Cranes	250	0.29	6	Tier 4 Final_5	2026	0.127868	0.664913	6.649134	0.012458	0.025574	0.025574	1349.169	0.054728	0.010946
38	P-06	Structure Installation	Forklift - 25,000 lb	Diesel	1	5	Forklifts	175	0.2	6	Tier 4 Final_5	2026	0.01929	0.10031	1.003102	0.001882	0.003858	0.003858	203.8008	0.008267	0.001653
39	P-06	Structure Installation	Crane - 200 Ton	Diesel	1	8	Cranes	275	0.29	6	Tier 4 Final_5	2026	0.070327	0.365702	3.657024	0.006852	0.014065	0.014065	742.0429	0.030101	0.00602
40	P-07	Conductor Installation	Crane - 35 Ton (Manlift)	Diesel	1	8	Cranes	250	0.29	6	Tier 4 Final_5	2026	0.063934	0.332457	3.324567	0.006229	0.012787	0.012787	674.5844	0.027364	0.005473
41	P-07	Conductor Installation	D8 Sag Dozer	Diesel	1	8	Rubber Tired Dozers	200	0.4	6	Tier 4 Final_5	2026	0.070548	0.366849	3.668488	0.006877	0.01411	0.01411	745.6752	0.030248	0.00605
42	P-07	Conductor Installation	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
43	P-07	Conductor Installation	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
44	L-08	Access Road Construction	Motor Grader	Diesel	1	8	Graders	250	0.41	6	Tier 4 Final_5	2026	0.090389	0.470025	4.70025	0.00881	0.018078	0.018078	953.9648	0.038697	0.007739
45	L-08	Access Road Construction	Skid steer loader	Diesel	1	8	Skid Steer Loaders	74	0.37	3	Tier 4 Final_2	2026	0.064619	0.872717	1.566773	0.002359	0.024837	0.02285	255.2712	0.010355	0.002071
46	L-08	Access Road Construction	D6 Type Dozer	Diesel	1	8	Rubber Tired Dozers	250	0.4	6	Tier 4 Final_5	2026	0.088185	0.458561	4.585609	0.008597	0.017637	0.017637	932.094	0.03781	0.007562
47	L-08	Access Road Construction	Excavator	Diesel	1	8	Excavators	250	0.38	6	Tier 4 Final_5	2026	0.083776	0.435633	4.356329	0.008177	0.016755	0.016755	884.9688	0.035898	0.00718
48	L-09	Foundation Installation	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
49	L-09	Foundation Installation	Skid steer loader	Diesel	1	8	Skid Steer Loaders	74	0.37	3	Tier 4 Final_2	2026	0.064619	0.872717	1.566773	0.002359	0.024837	0.02285	255.2712	0.010355	0.002071
50	L-09	Foundation Installation	Forklift - 10 K Reach	Diesel	2	8	Forklifts	130	0.2	5	Tier 4 Final_4	2026	0.045856	0.238452	3.393351	0.004468	0.009171	0.009171	483.7526	0.019623	0.003925
51	L-09	Foundation Installation	Crane - 35 Ton (Manlift)	Diesel	1	4	Cranes	250	0.29	6	Tier 4 Final_5	2026	0.031967	0.166228	1.662283	0.003114	0.006393	0.006393	337.2922	0.013682	0.002736
52	L-09	Foundation Installation	844 Loader	Diesel	1	8	Rubber Tired Loaders	417	0.36	7	Tier 4 Final_6	2026	0.132383	0.688392	6.883917	0.012893	0.026477	0.026477	1395.84	0.056621	0.011324
53	L-09	Foundation Installation	Rough Terrain Crane	Diesel	1	2	Cranes	185	0.29	6	Tier 4 Final_5	2026	0.011828	0.061504	0.615045	0.001152	0.002366	0.002366	124.7981	0.005062	0.001012
54	L-10	Structure Installation	Crane - 35 Ton (Manlift)	Diesel	2	8	Cranes	250	0.29	6	Tier 4 Final_5	2026	0.127868	0.664913	6.649134	0.012458	0.025574	0.025574	1349.169	0.054728	0.010946
55	L-10	Structure Installation	Forklift - 15,000 lb	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
56	L-10	Structure Installation	Crane - 200 Ton	Diesel	1	8	Cranes	275	0.29	6	Tier 4 Final_5	2026	0.070327	0.365702	3.657024	0.006852	0.014065	0.014065	742.0429	0.030101	0.00602
57	L-10	Structure Installation	844 Loader	Diesel	1	8	Rubber Tired Loaders	417	0.36	7	Tier 4 Final_6	2026	0.132383	0.688392	6.883917	0.012893	0.026477	0.026477	1395.84	0.056621	0.011324
58	L-11	Conductor Installation	Crane - 35 Ton (Manlift)	Diesel	6	8	Cranes	250	0.29	6	Tier 4 Final_5	2026	0.383604	1.99474	19.9474	0.037374	0.076721	0.076721	4047.506	0.164185	0.032837
59	L-11	Conductor Installation	D8 Sag Dozer	Diesel	3	8	Rubber Tired Dozers	200	0.4	6	Tier 4 Final_5	2026	0.211644	1.100546	11.00546	0.020632	0.042329	0.042329	2237.026	0.090744	0.018149
60	L-11	Conductor Installation	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
61	L-11	Conductor Installation	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
62	L-14	Submarine Cable Installation	Water Pumps	Diesel	2	15	Pumps	325	0.74	2	Tier 4 Final_6	2026	0.795317	4.135647	41.35647	0.116873	0.159063	0.159063	9040.66	0.366729	0.073346
63	L-14	Submarine Cable Installation	Deck Generator	Diesel	1	21	Generator Sets	170	0.74	2	Tier 4 Final_4	2026	0.291208	1.514283	21.54941	0.042789	0.058242	0.058242	3309.958	0.134266	0.026853
64	L-14	Submarine Cable Installation	Deck Equipment	Diesel	1	21	Other Construction Equipment	100	0.42	5	Tier 4 Final_3	2026	0.097224	0.505563	7.194557	0.009466	0.019445	0.019445	1025.007	0.041579	0.008316
65	L-14	Submarine Cable Installation	Anchor Winches	Diesel	2	12	Other Construction Equipment	225	0.42	6	Tier 4 Final_5	2026	0.250004	1.30002	13.0002	0.024441	0.050001	0.050001	2646.333	0.107347	0.021469
66	L-14	Submarine Cable Installation	Deck Winch	Diesel	1	12	Other Construction Equipment	100	0.42	5	Tier 4 Final_3	2026	0.055556	0.288893	4.111175	0.005409	0.011111	0.011111	585.7183	0.023759	0.004752
67	L-14	Submarine Cable Installation	Crane	Diesel	1	5	Cranes	180	0.29	6	Tier 4 Final_5	2026	0.02877	0.149606	1.496055	0.002803	0.005754	0.005754	303.563	0.012314	0.002463
68	L-14	Submarine Cable Installation	Linear Cable Engine	Diesel	3	12	Other Construction Equipment	200	0.42	6	Tier 4 Final_5	2026	0.333339	1.73336	17.3336	0.032588	0.066668	0.066668	3528.444	0.143129	0.028626
69	L-14	Submarine Cable Installation	Deck Generator - 100kW	Diesel	1	17	Generator Sets	100	0.74	2	Tier 4 Final_3	2026	0.138671	0.721087	10.26162	0.020376	0.027734	0.027734	1576.171	0.063936	0.012787
70	L-14	Submarine Cable Installation	Deck Equipment	Diesel	1	6	Other Construction Equipment	100	0.42	5	Tier 4 Final_3	2026	0.027778	0.144447	2.055588	0.002705	0.005556	0.005556	292.8592	0.01188	0.002376
71	L-14	Submarine Cable Installation	Crane	Diesel	1	2	Cranes	180	0.29	6	Tier 4 Final_5	2026	0.011508	0.059842	0.598422	0.001121	0.002302	0.002302	121.4252	0.004926	0.000985
72	L-14	Submarine Cable Installation	Dive Compressor	Diesel	1	2	Air Compressors	50	0.48	2	Tier 4 Final_2	2026	0.054193	0.385788	0.510282	0.000777	0.010429	0.009595	60.13709	0.002439	0.000488
73	L-14	Submarine Cable Installation	Deck Generator	Diesel	1	12	Generator Sets	170	0.74	2	Tier 4 Final_4	2026	0.166405	0.865304	12.31395	0.024451	0.033281	0.033281	1891.405	0.076724	0.015345
74	L-14	Submarine Cable Installation	Deck Generator - 100kW	Diesel	1	22	Generator Sets	100	0.74	2	Tier 4 Final_3	2026	0.179456	0.933172	13.27975	0.026369	0.035891	0.035891	2039.75	0.082741	0.016548
75	L-14	Submarine Cable Installation	Pull In Winch	Diesel	1	11	Other Construction Equipment	225	0.42	6	Tier 4 Final_5	2026	0.114585	0.595843	5.958426	0.011202	0.022917	0.022917	1212.903	0.049201	0.00984
76	L-15	Southern Transition Approach Construction	Pull In Winch	Diesel	0	0	Other Construction Equipment	225	0.42	6	Tier 4 Final_5	2026	0	0	0	0	0	0	0	0	0
77	L-15	Southern Transition Approach Construction	Onshore Crane	Diesel	1	8	Cranes	180	0.29	6	Tier 4 Final_5	2026	0.046032	0.239369	2.393688	0.004485	0.009206	0.009206	485.7008	0.019702	0.00394
78	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	0.022575	0.004515
79	L-15	Southern Transition Approach Construction	Onshore Vibratory Hamme	Diesel	1	8	Other Construction Equipment	300	0.42	7	Tier 4 Final_6	2026	0.111113	0.577787	5.777868	0.010851	0.022223	0.022223	1174.51	0.047643	0.009529
80	L-15	Southern Transition Approach Construction	Air Compressor	Diesel	1	8	Air Compressors	50	0.48	2	Tier 4 Final_2	2026	0.216772	1.543152	2.041128	0.00311	0.041718	0.03838	240.5483	0.009758	0.001952
81	L-15	Southern Transition Approach Construction	Onshore Dewatering Equip	Diesel	2	8	Other Construction Equipment	50	0.42	3	Tier 4 Final_2	2026	0.850721	7.275992	3.51186	0.003559	0.559689	0.514914	387.1762	0.015706	0.003141
82	L-16	Substation Getaways	Generator – 25 Kw	Diesel	2	8	Generator Sets	36	0.74	2	Tier 4 Final_1	2026	0.317487	3.178499	3.506226	0.006904	0.074363	0.068414	534.0437	0.021663	0.004333
83	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
84	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
85	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
86	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
87	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
88	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
89	L-16	Substation Getaways	Skid steer loader	Diesel	2	8	Skid Steer Loaders	74	0.37	3	Tier 4 Final_2	2026	0.129237	1.745434	3.133546	0.004717	0.049673	0.045699	510.5425	0.02071	0.004142

Count	Activity Index	Activity Name	Equipment Name	Fuel Type	Quantity	Hours Per Day	CalEEModType	HP	LF	CalEEMod Bin	Tier Bin Name	Year	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
90	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	0.378505	0.348224	364.97	0.014805	0.002961
91	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
92	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
93	P-17	Distribution Extension to Substation	Crane - 35 Ton (Manlift)	Diesel	2	8	Cranes	250	0.29	6	Tier 4 Final_5	2026	0.127868	0.664913	6.649134	0.012458	0.025574	0.025574	1349.169	0.054728	0.010946
94	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
95	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
96	P-17	Distribution Extension to Substation	Skid steer loader	Diesel	2	8	Skid Steer Loaders	74	0.37	3	Tier 4 Final_2	2026	0.129237	1.745434	3.133546	0.004717	0.049673	0.045699	510.5425	0.02071	0.004142
97	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	0.00987	0.001974
98	L-18	Fiber Extension to Substation	Crane - 35 Ton (Manlift)	Diesel	2	8	Cranes	250	0.29	6	Tier 4 Final_5	2026	0.127868	0.664913	6.649134	0.012458	0.025574	0.025574	1349.169	0.054728	0.010946
99	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
100	L-18	Fiber Extension to Substation	Excavator - Mini	Diesel	2	5	Excavators	70	0.38	3	Tier 4 Final_2	2026	0.426567	3.137103	2.460001	0.002884	0.324697	0.298722	313.087	0.0127	0.00254
101	L-18	Fiber Extension to Substation	Skid steer loader	Diesel	2	8	Skid Steer Loaders	74	0.37	3	Tier 4 Final_2	2026	0.129237	1.745434	3.133546	0.004717	0.049673	0.045699	510.5425	0.02071	0.004142
102	L-18	Fiber Extension to Substation	Trencher	Diesel	1	8	Trenchers	75	0.5	4	Tier 4 Final_3	2026	0.24988	2.465464	2.392455	0.003231	0.153191	0.140935	350.1083	0.014202	0.00284
103	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
104	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
105	P-19	Pittsburg Substation Upgrades	Crane - 35 Ton (Manlift)	Diesel	1	5	Cranes	250	0.29	6	Tier 4 Final_5	2026	0.039959	0.207785	2.077854	0.003893	0.007992	0.007992	421.6153	0.017103	0.003421
106	P-19	Pittsburg Substation Upgrades	Forklift -15,000 lb	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
107	P-19	Pittsburg Substation Upgrades	120' Manlift	Diesel	2	7	Aerial Lifts	74	0.31	3	Tier 4 Final_2	2026	0.072721	1.099747	2.238915	0.003454	0.021631	0.0199	373.7517	0.015161	0.003032
108	P-19	Pittsburg Substation Upgrades	Excavator	Diesel	1	6	Excavators	108	0.38	5	Tier 4 Final_3	2026	0.027143	0.141145	2.008603	0.002648	0.005429	0.005429	286.5711	0.011625	0.002325
109	P-19	Pittsburg Substation Upgrades	Excavator - Mini	Diesel	2	5	Excavators	70	0.38	3	Tier 4 Final_2	2026	0.426567	3.137103	2.460001	0.002884	0.324697	0.298722	313.087	0.0127	0.00254
110	P-19	Pittsburg Substation Upgrades	Generator – 25 Kw	Diesel	1	8	Generator Sets	36	0.74	2	Tier 4 Final_1	2026	0.158744	1.58925	1.753113	0.003452	0.037182	0.034207	267.0218	0.010832	0.002166
111	P-19	Pittsburg Substation Upgrades	Loader - 4-5 Yd	Diesel	1	6	Rubber Tired Loaders	230	0.36	6	Tier 4 Final_5	2026	0.054763	0.284766	2.847663	0.005328	0.010953	0.010953	576.7539	0.023396	0.004679
112	P-19	Pittsburg Substation Upgrades	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
113	P-19	Pittsburg Substation Upgrades	Excavator	Diesel	1	8	Excavators	275	0.38	6	Tier 4 Final_5	2026	0.092153	0.479196	4.791962	0.008994	0.018431	0.018431	973.4656	0.039488	0.007898
114	P-19	Pittsburg Substation Upgrades	Skid steer loader	Diesel	2	8	Skid Steer Loaders	74	0.37	3	Tier 4 Final_2	2026	0.129237	1.745434	3.133546	0.004717	0.049673	0.045699	510.5425	0.02071	0.004142
115	L-20	Commissioning and Testing	Manlift - 40'	Diesel	3	8	Aerial Lifts	49	0.31	2	Tier 4 Final_1	2026	0.122547	2.3097	2.471766	0.004358	0.016639	0.015308	471.7014	0.019134	0.003827
116	L-20	Commissioning and Testing	Deck Generator	Diesel	0	0	Generator Sets	170	0.74	2	Tier 4 Final_4	2026	0	0	0	0	0	0	0	0	0
117	L-20	Commissioning and Testing	Crane - 35 Ton (Manlift)	Diesel	2	8	Cranes	250	0.29	6	Tier 4 Final_5	2026	0.127868	0.664913	6.649134	0.012458	0.025574	0.025574	1349.169	0.054728	0.010946
118	L-21	Cleanup and Restoration	Motor Grader	Diesel	2	8	Graders	250	0.41	6	Tier 4 Final_5	2026	0.180779	0.94005	9.400499	0.01762	0.036156	0.036156	1907.93	0.077394	0.015479
119	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
120	L-21	Cleanup and Restoration	Skid steer loader	Diesel	1	8	Skid Steer Loaders	74	0.37	3	Tier 4 Final_2	2026	0.064619	0.872717	1.566773	0.002359	0.024837	0.02285	255.2712	0.010355	0.002071
121	L-21	Cleanup and Restoration	Excavator	Diesel	1	8	Excavators	250	0.38	6	Tier 4 Final_5	2026	0.083776	0.435633	4.356329	0.008177	0.016755	0.016755	884.9688	0.035898	0.00718
122	L-21	Cleanup and Restoration	D6 Type Dozer	Diesel	1	8	Rubber Tired Dozers	250	0.4	6	Tier 4 Final_5	2026	0.088185	0.458561	4.585609	0.008597	0.017637	0.017637	932.094	0.03781	0.007562
123	P-22	Foundation Installation	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
124	P-22	Foundation Installation	Skid steer loader	Diesel	1	4	Skid Steer Loaders	74	0.37	3	Tier 4 Final_2	2026	0.032309	0.436359	0.783387	0.001179	0.012418	0.011425	127.6356	0.005177	0.001035
125	P-23	Structure and Conductor Installation	Crane - 35 Ton (Manlift)	Diesel	1	8	Cranes	250	0.29	6	Tier 4 Final_5	2026	0.063934	0.332457	3.324567	0.006229	0.012787	0.012787	674.5844	0.027364	0.005473
126	P-23	Structure and Conductor Installation	Crane - 200 Ton	Diesel	1	8	Cranes	275	0.29	6	Tier 4 Final_5	2026	0.070327	0.365702	3.657024	0.006852	0.014065	0.014065	742.0429	0.030101	0.00602
127	P-23	Structure and Conductor Installation	D8 Sag Dozer	Diesel	1	4	Rubber Tired Dozers	200	0.4	6	Tier 4 Final_5	2026	0.035274	0.183424	1.834244	0.003439	0.007055	0.007055	372.8376	0.015124	0.003025
128	P-23	Structure and Conductor Installation	Wire Puller	Diesel	1	4	Other Construction Equipment	175	0.42	6	Tier 4 Final_5	2026	0.032408	0.168521	1.685211	0.003168	0.006482	0.006482	343.0432	0.013915	0.002783
129	P-23	Structure and Conductor Installation	Wire Trailer/ Tensioner	Diesel	1	4	Other Construction Equipment	175	0.42	6	Tier 4 Final_5	2026	0.032408	0.168521	1.685211	0.003168	0.006482	0.006482	343.0432	0.013915	0.002783
130	L-24	Northern Transition Approach Construction	Onshore Excavator	Diesel	1	8	Excavators	600	0.38	8	Tier 4 Final_7	2026	0.201061	1.045519	10.45519	0.019715	0.040212	0.040212	2134.197	0.086572	0.017314
131	L-24	Northern Transition Approach Construction	Onshore End Loader	Diesel	1	8	Tractors/Loaders/Backhoes	250	0.37	6	Tier 4 Final_5	2026	0.081571	0.424169	4.241689	0.007951	0.016314	0.016314	860.7154	0.034914	0.006983
132	L-24	Northern Transition Approach Construction	Onshore Crane	Diesel	1	8	Cranes	180	0.29	6	Tier 4 Final_5	2026	0.046032	0.239369	2.393688	0.004485	0.009206	0.009206	485.7008	0.019702	0.00394
133	L-24	Northern Transition Approach Construction	Air Compressor	Diesel	1	8	Air Compressors	50	0.48	2	Tier 4 Final_2	2026	0.216772	1.543152	2.041128	0.00311	0.041718	0.03838	240.5483	0.009758	0.001952
134	L-24	Northern Transition Approach Construction	Onshore Dewatering Equip	Diesel	2	8	Other Construction Equipment	50	0.42	3	Tier 4 Final_2	2026	0.850721	7.275992	3.51186	0.003559	0.559689	0.514914	387.1762	0.015706	0.003141
135	P-25	Tesla Substation Upgrades	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
136	P-25	Tesla 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
137	P-25	Tesla Substation Upgrades	Manlift - 40'	Diesel	3	5	Aerial Lifts	49	0.31	2	Tier 4 Final_1	2026	0.076592	1.443562	1.544854	0.002724	0.0104	0.009568	294.8133	0.011959	0.002392
138	P-25	Tesla Substation Upgrades	Excavator	Diesel	1	8	Excavators	108	0.38	5	Tier 4 Final_3	2026	0.036191	0.188193	2.678137	0.00353	0.007238	0.007238	382.0948	0.015499	0.0031
139	P-25	Tesla Substation Upgrades	Generator – 25 Kw	Diesel	1	8	Generator Sets	36	0.74	2	Tier 4 Final_1	2026	0.158744	1.58925	1.753113	0.003452	0.037182	0.034207	267.0218	0.010832	0.002166
140	P-25	Tesla Substation Upgrades	Skid steer loader	Diesel	1	8	Skid Steer Loaders	74	0.37	3	Tier 4 Final_2	2026	0.064619	0.872717	1.566773	0.002359	0.024837	0.02285	255.2712	0.010355	0.002071
141	P-26	Vaca Dixon Substation Upgrades	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
142	P-26	Vaca Dixon 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
143	P-26	Vaca Dixon Substation Upgrades	Manlift - 40'	Diesel	3	5	Aerial Lifts	49	0.31	2	Tier 4 Final_1	2026	0.076592	1.443562	1.544854	0.002724	0.0104	0.009568	294.8133	0.011959	0.002392
144	P-26	Vaca Dixon Substation Upgrades	Excavator	Diesel	1	8	Excavators	108	0.38	5	Tier 4 Final_3	2026	0.036191	0.188193	2.678137	0.00353	0.007238	0.007238	382.0948	0.015499	0.0031
145	P-26	Vaca Dixon Substation Upgrades	Generator – 25 Kw	Diesel	1	8	Generator Sets	36	0.74	2	Tier 4 Final_1	2026	0.158744	1.58925	1.753113	0.003452	0.037182	0.034207	267.0218	0.010832	0.002166
146	P-26	Vaca Dixon Substation Upgrades	Skid steer loader	Diesel	1	8	Skid Steer Loaders	74	0.37	3	Tier 4 Final_2	2026	0.064619	0.872717	1.566773	0.002359	0.024837	0.02285	255.2712	0.010355	0.002071
147	P-27	PG&E IT Work	Crane - 35 Ton (Manlift)	Diesel	1	5	Cranes	250	0.29	6	Tier 4 Final_5	2026	0.039959	0.207785	2.077854	0.003893	0.007992	0.007992	421.6153	0.017103	0.003421
148	P-27	PG&E IT Work	Forklift -15,000 lb	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
149	P-27	PG&E IT Work	120' Manlift	Diesel	1	7	Aerial Lifts	74	0.31	3	Tier 4 Final_2	2026	0.03636	0.549874	1.119457	0.001727	0.010815	0.00995	186.8758	0.007581	0.001516
150	P-27	PG&E IT Work	Excavator	Diesel	1	6	Excavators	108	0.38	5	Tier 4 Final_3	2026	0.027143	0.141145	2.008603	0.002648	0.005429	0.005429	286.5711	0.011625	0.002325
151	P-27	PG&E IT Work	Excavator - Mini	Diesel	2	5	Excavators	70	0.38	3	Tier 4 Final_2	2026	0.426567	3.137103	2.460001	0.002884	0.324697	0.298722	313.087	0.0127	0.00254
152	P-27	PG&E IT Work	Generator – 25 Kw	Diesel	1	8	Generator Sets	36	0.74	2	Tier 4 Final_1	2026	0.158744	1.58925	1.753113	0.003452	0.037182	0.034207	267.0218	0.010832	0.002166
153	P-27	PG&E IT Work	Loader - 4-5 Yd	Diesel	1	6	Rubber Tired Loaders	230	0.36	6	Tier 4 Final_5	2026	0.054763	0.284766	2.847663	0.005328	0.010953	0.010953	576.7539	0.023396	0.004679
154	P-27	PG&E IT Work	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
155	P-27	PG&E IT Work	Excavator	Diesel	1	8	Excavators	275	0.38	6	Tier 4 Final_5	2026	0.092153	0.479196	4.791962	0.008994	0.018431	0.018431	973.4656	0.039488	0.007898
156	P-27	PG&E IT Work	Skid steer loader	Diesel	2	8	Skid Steer Loaders	74	0.37	3	Tier 4 Final_2	2026	0.129237	1.745434	3.133546	0.004717	0.049673	0.045699	510.5425	0.02071	0.004142

Table 22: Off-Road Controlled Emissions (tons)

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
1	L-02	76	0.005549	0.028856	0.288563	0.000539866	0.00111	0.00111	58.4444	0.002371	0.000474152
2	L-02	76	0.00687	0.035722	0.357219	0.000669564	0.001374	0.001374	72.50133	0.002941	0.000588194
3	L-02	76	0.026379	0.137172	1.371721	0.002577072	0.005276	0.005276	279.0155	0.011318	0.002263618
4	L-02	76	0.003998	0.020792	0.295885	0.000389671	0.0008	0.0008	42.17301	0.001711	0.000342144
5	L-02	76	0.012065	0.120783	0.133237	0.000262346	0.002826	0.0026	20.29366	0.000823	0.00016464
6	L-02	76	0.002614	0.013592	0.193421	0.000254685	0.000523	0.000523	27.5739	0.001119	0.000223704
7	L-02	76	0.003773	0.019619	0.196192	0.00036745	0.000755	0.000755	39.78145	0.001614	0.000322742
8	L-03	152	0.005501	0.028605	0.407077	0.000536562	0.0011	0.0011	58.07841	0.002356	0.000471183
9	L-03	152	0.005228	0.027183	0.386842	0.00050937	0.001046	0.001046	55.14779	0.002237	0.000447407
10	L-03	152	0.037791	0.277929	0.217942	0.000255512	0.028766	0.026465	27.73772	0.001125	0.000225033
11	L-03	152	0.01621	0.11921	0.09348	0.000109595	0.012339	0.011351	11.89731	0.000483	9.65214E-05
12	L-03	152	0.012065	0.120783	0.133237	0.000262346	0.002826	0.0026	20.29366	0.000823	0.00016464
13	L-03	152	0.011099	0.057713	0.577126	0.001079731	0.00222	0.00222	116.8888	0.004742	0.000948304
14	L-03	152	0.009215	0.04792	0.479196	0.00089477	0.001843	0.001843	96.83652	0.003928	0.000785623
15	L-03	152	0.007004	0.036419	0.364189	0.000683562	0.001401	0.001401	73.98339	0.003001	0.000600218
16	L-03	152	0.023739	0.234219	0.227283	0.000306919	0.014553	0.013389	33.26029	0.001349	0.000269837
17	L-03	152	0.009822	0.132653	0.23815	0.000358493	0.003775	0.003473	38.80123	0.001574	0.00031479
18	L-03	152	0.003079	0.01601	0.160095	0.00030099	0.000616	0.000616	32.5891	0.001322	0.000264391
19	L-03	152	0.003079	0.01601	0.160095	0.00030099	0.000616	0.000616	32.5891	0.001322	0.000264391
20	L-04	333	0.006745	0.035073	0.350735	0.000659406	0.001349	0.001349	71.39586	0.002896	0.000579226
21	L-04	333	0.006745	0.035073	0.350735	0.000659406	0.001349	0.001349	71.39586	0.002896	0.000579226
22	L-04	333	0.005855	0.030445	0.304447	0.000570416	0.001171	0.001171	61.77507	0.002506	0.000501173
23	L-04	333	0.052862	0.52922	0.583787	0.001149491	0.012381	0.011391	88.91827	0.003607	0.000721383
24	L-04	333	0.013306	0.069193	0.691925	0.001296399	0.002661	0.002661	140.3979	0.005695	0.00113903
25	L-04	333	0.003818	0.019851	0.282496	0.000371974	0.000764	0.000764	40.2724	0.001634	0.000326725
26	L-04	333	0.001909	0.009926	0.141248	0.000185987	0.000382	0.000382	20.1362	0.000817	0.000163362
27	L-04	333	0.190763	1.510731	0.618407	0.000472652	0.110764	0.101903	51.63394	0.002094	0.0004189
28	L-04	333	0.006919	0.104633	0.213017	0.000328596	0.002058	0.001893	35.5598	0.001442	0.000288492
29	P-05	54	0.003274	0.017024	0.170241	0.000317879	0.000655	0.000655	34.40245	0.001396	0.000279103
30	P-05	35	0.001131	0.015273	0.027419	4.12739E-05	0.000435	0.0004	4.467247	0.000181	3.62422E-05
31	P-05	35	0.000802	0.004173	0.059384	7.81928E-05	0.00016	0.00016	8.46567	0.000343	6.86809E-05
32	P-05	35	0.000559	0.002909	0.02909	5.45033E-05	0.000112	0.000112	5.902614	0.000239	4.78872E-05
33	P-05	35	0.001278	0.006645	0.066445	0.000124311	0.000256	0.000256	13.45759	0.000546	0.00010918

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
34	P-05	20	0.000459	0.002385	0.033934	4.46746E-05	9.17E-05	9.17E-05	4.842705	0.000196	3.92883E-05
35	P-05	20	0.000838	0.004356	0.043563	8.17657E-05	0.000168	0.000168	8.849688	0.000359	7.17964E-05
36	P-05	20	0.000419	0.002178	0.030997	4.08221E-05	8.38E-05	8.38E-05	4.418058	0.000179	3.58432E-05
37	P-06	40	0.002557	0.013298	0.132983	0.000249158	0.000511	0.000511	26.98338	0.001095	0.000218913
38	P-06	20	0.000193	0.001003	0.010031	1.88243E-05	3.86E-05	3.86E-05	2.038008	8.27E-05	1.65341E-05
39	P-06	40	0.001407	0.007314	0.07314	0.000137037	0.000281	0.000281	14.84086	0.000602	0.000120402
40	P-07	40	0.001279	0.006649	0.066491	0.000124579	0.000256	0.000256	13.49169	0.000547	0.000109456
41	P-07	6	0.000212	0.001101	0.011005	2.06324E-05	4.23E-05	4.23E-05	2.237026	9.07E-05	1.81487E-05
42	P-07	40	0.00081	0.004213	0.04213	7.9208E-05	0.000162	0.000162	8.57608	0.000348	6.95767E-05
43	P-07	40	0.00081	0.004213	0.04213	7.9208E-05	0.000162	0.000162	8.57608	0.000348	6.95767E-05
44	L-08	16	0.000723	0.00376	0.037602	7.04805E-05	0.000145	0.000145	7.631719	0.00031	6.19152E-05
45	L-08	16	0.000517	0.006982	0.012534	1.88681E-05	0.000199	0.000183	2.04217	8.28E-05	1.65679E-05
46	L-08	16	0.000705	0.003668	0.036685	6.87746E-05	0.000141	0.000141	7.456752	0.000302	6.04957E-05
47	L-08	16	0.00067	0.003485	0.034851	6.54126E-05	0.000134	0.000134	7.07975	0.000287	5.74371E-05
48	L-09	22	0.001334	0.006936	0.069357	0.000129506	0.000267	0.000267	14.01581	0.000569	0.000113709
49	L-09	22	0.000711	0.0096	0.017235	2.59436E-05	0.000273	0.000251	2.807984	0.000114	2.27808E-05
50	L-09	22	0.000504	0.002623	0.037327	4.91498E-05	0.000101	0.000101	5.321278	0.000216	4.31709E-05
51	L-09	22	0.000352	0.001829	0.018285	3.42592E-05	7.03E-05	7.03E-05	3.710214	0.000151	3.01005E-05
52	L-09	22	0.001456	0.007572	0.075723	0.000141823	0.000291	0.000291	15.35424	0.000623	0.000124567
53	L-09	22	0.00013	0.000677	0.006765	1.26759E-05	2.6E-05	2.6E-05	1.372779	5.57E-05	1.11372E-05
54	L-10	24	0.001534	0.007979	0.07979	0.000149495	0.000307	0.000307	16.19003	0.000657	0.000131348
55	L-10	24	0.000172	0.000894	0.012725	1.67556E-05	3.44E-05	3.44E-05	1.814072	7.36E-05	1.47173E-05
56	L-10	24	0.000844	0.004388	0.043884	8.22221E-05	0.000169	0.000169	8.904514	0.000361	7.22412E-05
57	L-10	24	0.001589	0.008261	0.082607	0.000154716	0.000318	0.000318	16.75008	0.000679	0.000135891
58	L-11	26	0.004987	0.025932	0.259316	0.000485858	0.000997	0.000997	52.61758	0.002134	0.00042688
59	L-11	26	0.002751	0.014307	0.143071	0.000268221	0.00055	0.00055	29.08133	0.00118	0.000235933
60	L-11	26	0.000527	0.002738	0.027385	5.14852E-05	0.000105	0.000105	5.574452	0.000226	4.52248E-05
61	L-11	26	0.000527	0.002738	0.027385	5.14852E-05	0.000105	0.000105	5.574452	0.000226	4.52248E-05
62	L-14	122	0.048514	0.252274	2.522744	0.007129263	0.009703	0.009703	551.4802	0.02237	0.00447409
63	L-14	122	0.017764	0.092371	1.314514	0.002610159	0.003553	0.003553	201.9075	0.00819	0.00163805
64	L-14	122	0.005931	0.030839	0.438868	0.000577427	0.001186	0.001186	62.52543	0.002536	0.000507261
65	L-14	122	0.01525	0.079301	0.793012	0.00149092	0.00305	0.00305	161.4263	0.006548	0.001309632
66	L-14	122	0.003389	0.017622	0.250782	0.000329958	0.000678	0.000678	35.72882	0.001449	0.000289863
67	L-14	122	0.001755	0.009126	0.091259	0.000170985	0.000351	0.000351	18.51734	0.000751	0.000150229

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
68	L-14	122	0.020334	0.105735	1.05735	0.001987894	0.004067	0.004067	215.2351	0.008731	0.001746175
69	L-14	122	0.008459	0.043986	0.625959	0.001242933	0.001692	0.001692	96.14641	0.0039	0.000780024
70	L-14	67	0.000931	0.004839	0.068862	9.06033E-05	0.000186	0.000186	9.810782	0.000398	7.95936E-05
71	L-14	67	0.000386	0.002005	0.020047	3.75605E-05	7.71E-05	7.71E-05	4.067744	0.000165	3.30011E-05
72	L-14	67	0.001815	0.012924	0.017094	2.60437E-05	0.000349	0.000321	2.014592	8.17E-05	1.63441E-05
73	L-14	67	0.005575	0.028988	0.412517	0.000819113	0.001115	0.001115	63.36206	0.00257	0.000514048
74	L-14	70	0.006281	0.032661	0.464791	0.000922911	0.001256	0.001256	71.39126	0.002896	0.000579188
75	L-14	20	0.001146	0.005958	0.059584	0.000112023	0.000229	0.000229	12.12903	0.000492	9.84013E-05
76	L-15	138	0	0	0	0	0	0	0	0	0
77	L-15	138	0.003176	0.016516	0.165164	0.000309454	0.000635	0.000635	33.51335	0.001359	0.00027189
78	L-15	138	0.003639	0.018925	0.189251	0.000354583	0.000728	0.000728	38.40072	0.001558	0.00031154
79	L-15	138	0.007667	0.039867	0.398673	0.0007487	0.001533	0.001533	81.04119	0.003287	0.000657477
80	L-15	138	0.014957	0.106477	0.140838	0.000214569	0.002879	0.002648	16.59784	0.000673	0.000134656
81	L-15	138	0.0587	0.502043	0.242318	0.00024554	0.038619	0.035529	26.71516	0.001084	0.000216737
82	L-16	70	0.011112	0.111247	0.122718	0.000241635	0.002603	0.002394	18.69153	0.000758	0.000151642
83	L-16	70	0.002797	0.014545	0.14545	0.000272516	0.000559	0.000559	29.51307	0.001197	0.000239436
84	L-16	70	0.000802	0.004173	0.059384	7.81928E-05	0.00016	0.00016	8.46567	0.000343	6.86809E-05
85	L-16	70	0.000401	0.002086	0.029692	3.90964E-05	8.02E-05	8.02E-05	4.232835	0.000172	3.43405E-05
86	L-16	70	0.0401	0.317571	0.129995	9.93562E-05	0.023284	0.021421	10.85398	0.00044	8.8057E-05
87	L-16	70	0.001418	0.007373	0.073728	0.000138614	0.000284	0.000284	15.00814	0.000609	0.000121759
88	L-16	70	0.001418	0.007373	0.073728	0.000138614	0.000284	0.000284	15.00814	0.000609	0.000121759
89	L-16	70	0.004523	0.06109	0.109674	0.000165095	0.001739	0.001599	17.86899	0.000725	0.000144969
90	L-16	70	0.017404	0.127994	0.100368	0.00011767	0.013248	0.012188	12.77395	0.000518	0.000103633
91	P-17	51	0.001033	0.005372	0.053716	0.00010099	0.000207	0.000207	10.9345	0.000444	8.87102E-05
92	P-17	51	0.001033	0.005372	0.053716	0.00010099	0.000207	0.000207	10.9345	0.000444	8.87102E-05
93	P-17	51	0.003261	0.016955	0.169553	0.000317676	0.000652	0.000652	34.40381	0.001396	0.000279114
94	P-17	51	0.000877	0.00456	0.064898	8.54536E-05	0.000175	0.000175	9.251768	0.000375	7.50584E-05
95	P-17	51	0.003092	0.016078	0.160783	0.000300219	0.000618	0.000618	32.4912	0.001318	0.000263597
96	P-17	51	0.003296	0.044509	0.079905	0.000120284	0.001267	0.001165	13.01883	0.000528	0.00010562
97	P-17	51	0.008453	0.062168	0.04875	5.7154E-05	0.006435	0.00592	6.20449	0.000252	5.03362E-05
98	L-18	103	0.006585	0.034243	0.34243	0.000641581	0.001317	0.001317	69.48219	0.002819	0.0005637
99	L-18	103	0.000738	0.003838	0.054612	7.19095E-05	0.000148	0.000148	7.785393	0.000316	6.31619E-05
100	L-18	103	0.021968	0.161561	0.12669	0.00014853	0.016722	0.015384	16.12398	0.000654	0.000130812
101	L-18	103	0.006656	0.08989	0.161378	0.000242926	0.002558	0.002354	26.29294	0.001067	0.000213311

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
102	L-18	103	0.012869	0.126971	0.123211	0.000166383	0.007889	0.007258	18.03058	0.000731	0.00014628
103	L-18	103	0.002086	0.010849	0.108485	0.000203961	0.000417	0.000417	22.08341	0.000896	0.00017916
104	L-18	103	0.002086	0.010849	0.108485	0.000203961	0.000417	0.000417	22.08341	0.000896	0.00017916
105	P-19	144	0.002877	0.014961	0.149606	0.000280303	0.000575	0.000575	30.3563	0.001231	0.000246277
106	P-19	144	0.001651	0.008584	0.122161	0.000160854	0.00033	0.00033	17.41509	0.000706	0.000141286
107	P-19	144	0.005236	0.079182	0.161202	0.000248668	0.001557	0.001433	26.91012	0.001092	0.000218318
108	P-19	144	0.001954	0.010162	0.144619	0.000190621	0.000391	0.000391	20.63312	0.000837	0.000167394
109	P-19	144	0.030713	0.225871	0.17712	0.000207653	0.023378	0.021508	22.54226	0.000914	0.000182883
110	P-19	144	0.01143	0.114426	0.126224	0.000248539	0.002677	0.002463	19.22557	0.00078	0.000155975
111	P-19	144	0.003943	0.020503	0.205032	0.000383589	0.000789	0.000789	41.52628	0.001684	0.000336898
112	P-19	144	0.00873	0.045398	0.453975	0.000847677	0.001746	0.001746	91.73986	0.003721	0.000744274
113	P-19	144	0.006635	0.034502	0.345021	0.000647585	0.001327	0.001327	70.08953	0.002843	0.000568628
114	P-19	144	0.009305	0.125671	0.225615	0.000339625	0.003576	0.00329	36.75906	0.001491	0.000298222
115	L-20	174	0.010662	0.200944	0.215044	0.000379152	0.001448	0.001332	41.03802	0.001665	0.000332936
116	L-20	174	0	0	0	0	0	0	0	0	0
117	L-20	174	0.011125	0.057847	0.578475	0.001083836	0.002225	0.002225	117.3777	0.004761	0.00095227
118	L-21	140	0.012655	0.065803	0.658035	0.001233408	0.002531	0.002531	133.5551	0.005418	0.001083516
119	L-21	140	0.046411	0.341317	0.267648	0.000313787	0.035327	0.032501	34.06387	0.001382	0.000276356
120	L-21	140	0.004523	0.06109	0.109674	0.000165095	0.001739	0.001599	17.86899	0.000725	0.000144969
121	L-21	140	0.005864	0.030494	0.304943	0.00057236	0.001173	0.001173	61.94781	0.002513	0.000502575
122	L-21	140	0.006173	0.032099	0.320993	0.000601778	0.001235	0.001235	65.24658	0.002647	0.000529337
123	P-22	36	0.002183	0.011349	0.113494	0.000211919	0.000437	0.000437	22.93497	0.00093	0.000186069
124	P-22	30	0.000485	0.006545	0.011751	1.76888E-05	0.000186	0.000171	1.914534	7.77E-05	1.55324E-05
125	P-23	36	0.001151	0.005984	0.059842	0.000112121	0.00023	0.00023	12.14252	0.000493	9.85107E-05
126	P-23	36	0.001266	0.006583	0.065826	0.000123333	0.000253	0.000253	13.35677	0.000542	0.000108362
127	P-23	3	5.29E-05	0.000275	0.002751	5.15809E-06	1.06E-05	1.06E-05	0.559256	2.27E-05	4.53718E-06
128	P-23	36	0.000583	0.003033	0.030334	5.70297E-05	0.000117	0.000117	6.174777	0.00025	5.00952E-05
129	P-23	36	0.000583	0.003033	0.030334	5.70297E-05	0.000117	0.000117	6.174777	0.00025	5.00952E-05
130	L-24	138	0.013873	0.072141	0.721408	0.001360361	0.002775	0.002775	147.2596	0.005973	0.001194699
131	L-24	138	0.005628	0.029268	0.292677	0.000548642	0.001126	0.001126	59.38936	0.002409	0.000481818
132	L-24	138	0.003176	0.016516	0.165164	0.000309454	0.000635	0.000635	33.51335	0.001359	0.00027189
133	L-24	138	0.014957	0.106477	0.140838	0.000214569	0.002879	0.002648	16.59784	0.000673	0.000134656
134	L-24	138	0.0587	0.502043	0.242318	0.00024554	0.038619	0.035529	26.71516	0.001084	0.000216737
135	P-25	72	0.002877	0.014961	0.149606	0.000280303	0.000575	0.000575	30.3563	0.001231	0.000246277

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
136	P-25	72	0.000413	0.002146	0.03054	4.02134E-05	8.25E-05	8.25E-05	4.353773	0.000177	3.53216E-05
137	P-25	72	0.002757	0.051968	0.055615	9.80567E-05	0.000374	0.000344	10.61328	0.000431	8.61042E-05
138	P-25	72	0.001303	0.006775	0.096413	0.000127081	0.000261	0.000261	13.75541	0.000558	0.000111596
139	P-25	144	0.01143	0.114426	0.126224	0.000248539	0.002677	0.002463	19.22557	0.00078	0.000155975
140	P-25	72	0.002326	0.031418	0.056404	8.49063E-05	0.000894	0.000823	9.189764	0.000373	7.45554E-05
141	P-26	132	0.005275	0.027428	0.274277	0.000513888	0.001055	0.001055	55.65321	0.002258	0.000451508
142	P-26	132	0.000757	0.003934	0.05599	7.37246E-05	0.000151	0.000151	7.981918	0.000324	6.47563E-05
143	P-26	132	0.005055	0.095275	0.10196	0.000179771	0.000686	0.000631	19.45768	0.000789	0.000157858
144	P-26	132	0.002389	0.012421	0.176757	0.000232981	0.000478	0.000478	25.21826	0.001023	0.000204593
145	P-26	224	0.017779	0.177996	0.196349	0.000386616	0.004164	0.003831	29.90645	0.001213	0.000242627
146	P-26	132	0.004265	0.057599	0.103407	0.000155661	0.001639	0.001508	16.8479	0.000683	0.000136685
147	P-27	150	0.002997	0.015584	0.155839	0.000291982	0.000599	0.000599	31.62114	0.001283	0.000256538
148	P-27	150	0.00172	0.008942	0.127251	0.000167556	0.000344	0.000344	18.14072	0.000736	0.000147173
149	P-27	150	0.002727	0.041241	0.083959	0.000129514	0.000811	0.000746	14.01569	0.000569	0.000113708
150	P-27	150	0.002036	0.010586	0.150645	0.000198563	0.000407	0.000407	21.49283	0.000872	0.000174369
151	P-27	150	0.031993	0.235283	0.1845	0.000216305	0.024352	0.022404	23.48153	0.000953	0.000190503
152	P-27	202	0.016033	0.160514	0.177064	0.000348645	0.003755	0.003455	26.96921	0.001094	0.000218798
153	P-27	150	0.004107	0.021357	0.213575	0.000399572	0.000821	0.000821	43.25654	0.001755	0.000350935
154	P-27	150	0.009094	0.047289	0.472891	0.000882997	0.001819	0.001819	95.56236	0.003876	0.000775285
155	P-27	150	0.006911	0.03594	0.359397	0.000674567	0.001382	0.001382	73.00992	0.002962	0.00059232
156	P-27	150	0.009693	0.130908	0.235016	0.000353776	0.003725	0.003427	38.29069	0.001553	0.000310648

Table 23: Marine Vessel Uncontrolled Daily Emissions (pounds/day)

Count	Activity Index	Activity Name	Equipment Name	Fuel Type	Quantity	Hours Per Day	HP	EF_ROG	EF_NOX	EF_CO	EF_SO2	EF_PM10	EF_PM2.5	EF_CO2	EF_CH4	EF_N2O	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
1	L-14	Submarine Cable Installation	Barge Tug	Diesel	1	11	2000	1.554313	18.48612	5.431643	0.01218	1.063282	0.946822	1303.031	0.052857	0.010571	17.09744	203.3473	59.74808	0.13398	11.6961	10.41505	14333.34	0.581423	0.116285
2	L-14	Submarine Cable Installation	Small Boats	Diesel	2	16	250	0.17961	2.264167	0.655273	0.001583	0.119189	0.106974	169.3941	0.006871	0.001374	5.747505	72.45336	20.96875	0.050669	3.814061	3.423162	5420.61	0.219884	0.043977
3	L-14	Submarine Cable Installation	Anchor Tug	Diesel	1	22	1320	1.025847	12.20084	3.584885	0.008039	0.701766	0.624903	860.0006	0.034885	0.006977	22.56863	268.4184	78.86746	0.176854	15.43885	13.74786	18920.01	0.767479	0.153496
4	L-14	Submarine Cable Installation	Survey Vessel	Diesel	1	11	250	0.155431	1.367408	1.073134	0.00137	0.042858	0.038465	146.591	0.005946	0.001189	1.709744	15.04149	11.80447	0.015073	0.471437	0.42312	1612.501	0.06541	0.013082

Table 24: Marine Vessel Uncontrolled Emissions (tons)

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
1	L-14	122	1.042944	12.40418	3.644633	0.008172787	0.713462	0.635318	874.334	0.035467	0.007093362
2	L-14	122	0.350598	4.419655	1.279094	0.003090799	0.232658	0.208813	330.6572	0.013413	0.002682581
3	L-14	70	0.789902	9.394645	2.760361	0.006189881	0.54036	0.481175	662.2005	0.026862	0.00537235
4	L-14	18	0.015388	0.135373	0.10624	0.000135655	0.004243	0.003808	14.51251	0.000589	0.000117738

Table 25: Marine Vessel Controlled Daily Emissions (pounds/day)

Count	Activity Index	Activity Name	Equipment Name	Fuel Type	Quantity	Hours Per Day	HP	EF_ROG	EF_NOX	EF_CO	EF_SO2	EF_PM10	EF_PM2.5	EF_CO2	EF_CH4	EF_N2O	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
1	L-14	Submarine Cable Installation	Barge Tug	Diesel	1	11	2000	1.554313	9.206317	5.431643	0.01218	0.180838	0.162755	1303.031	0.052857	0.010571	17.09744	101.2695	59.74808	0.13398	1.989222	1.7903	14333.34	0.581423	0.116285
2	L-14	Submarine Cable Installation	Small Boats	Diesel	2	16	250	0.17961	2.21938	0.655273	0.001583	0.04932	0.044388	169.3941	0.006871	0.001374	5.747505	71.02016	20.96875	0.050669	1.578226	1.420403	5420.61	0.219884	0.043977
3	L-14	Submarine Cable Installation	Anchor Tug	Diesel	1	22	1320	1.025847	6.076169	3.584885	0.008039	0.119353	0.107418	860.0006	0.034885	0.006977	22.56863	133.6757	78.86746	0.176854	2.625773	2.363196	18920.01	0.767479	0.153496
4	L-14	Submarine Cable Installation	Survey Vessel	Diesel	1	11	250	0.155431	1.331628	1.073134	0.00137	0.029592	0.026633	146.591	0.005946	0.001189	1.709744	14.64791	11.80447	0.015073	0.325509	0.292958	1612.501	0.06541	0.013082

Table 26: Marine Vessel Controlled Emissions (tons)

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
1	L-14	122	1.042944	6.177439	3.644633	0.008172787	0.121343	0.109208	874.334	0.035467	0.007093362
2	L-14	122	0.350598	4.33223	1.279094	0.003090799	0.096272	0.086645	330.6572	0.013413	0.002682581
3	L-14	70	0.789902	4.67865	2.760361	0.006189881	0.091902	0.082712	662.2005	0.026862	0.00537235
4	L-14	18	0.015388	0.131831	0.10624	0.000135655	0.00293	0.002637	14.51251	0.000589	0.000117738

Table 27: 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	0.001077	0.006343	0.002243	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	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	hhdt	0.064682	2.247711	0.802305	0.014322	0.124741	0.055056	1512.409	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	0.005069
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	0.09033	242.3598	0.005231	0.038184
6	L-02	Site Development/Staging Yards	Semi Truck	Diesel	500	2	2026	4	40	160	95	152	8	hhdt	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	0.005069
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	0.09033	242.3598	0.005231	0.038184
10	L-03	Below-Grade Construction	Truck - Concrete	Diesel	425	4	2026	8	60	480	95	456	24	hhdt	0.057446	2.433526	0.668621	0.016751	0.149569	0.065952	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	hhdt	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	0.005069
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	0.09033	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	hhdt	0.057446	2.433526	0.668621	0.016751	0.149569	0.065952	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	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	0.000615	0.096064
18	P-05	Foundation Installation	Truck - Dump 10-12 Yd	Diesel	415	2	2026	4	40	160	95	152	8	hhdt	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	0.005069
25	P-07	Conductor 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
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	40	160	95	152	8	passenger	0.056311	0.302434	0.337527	0.001148	0.051378	0.045165	121.1799	0.002616	0.019092
29	L-08	Access Road Construction	Truck - Dump 10-12 Yd	Diesel	415	2	2026	4	40	160	95	152	8	hhdt	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	40	160	95	152	8	vendor	0.009124	0.423257	0.06381	0.003877	0.024176	0.010384	409.4185	0.000424	0.064504
31	L-09	Foundation Installation	Truck - Concrete	Diesel	425	4	2026	8	60	480	95	456	24	hhdt	0.057446	2.433526	0.668621	0.016751	0.149569	0.065952	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	0.102756	0.09033	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	hhdt	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	40	160	95	152	8	passenger	0.056311	0.302434	0.337527	0.001148	0.051378	0.045165	121.1799	0.002616	0.019092
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	0.005069
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	0.09033	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-15	Southern Transition Approach Construction	Truck - Dump 10-12 Yd	Diesel	415	4	2026	8	40	320	95	304	16	hhdt	0.051745	1.798169	0.641844	0.011457	0.099793	0.044045	1209.927	0.002403	0.190625
43	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	0.192127
44	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
45	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	0.09033	242.3598	0.005231	0.038184
46	L-16	Substation Getaways	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
47	P-17	Distribution Extension to Substation	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
48	P-17	Distribution Extension to Substation	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
49	P-17	Distribution Extension to Substation	Truck - Dump 10-12 Yd	Diesel	415	2	2026	4	40	160	95	152	8	hhdt	0.025873	0.899084	0.320922	0.005729	0.049896	0.022022	604.9636	0.001202	0.095312
50	P-17	Distribution Extension to Substation	Truck - Concrete	Diesel	425	4	2026	8	60	480	95	456	24	hhdt	0.057446	2.433526	0.668621	0.016751	0.149569	0.065952	1768.935	0.002668	0.278696
51	L-18	Fiber Extension to Substation	Truck - Dump 10-12 Yd	Diesel	415	3	2026	6	40	240	95	228	12	hhdt	0.038809	1.348627	0.481383	0.008593	0.074845	0.033034	907.4454	0.001803	0.142968
52	L-18	Fiber Extension to Substation	Pickup - 1 Ton	Diesel	410	3	2026	6	40	240	95	228	12	passenger	0.084466	0.453651	0.50629	0.001722	0.077067	0.067747	181.7699	0.003923	0.028638
53	L-18	Fiber Extension to Substation	Truck - Concrete	Diesel	425	2	2026	4	60	240	95	228	12	hhdt	0.028723	1.216763	0.334311	0.008375	0.074784	0.032976	884.4675	0.001334	0.139348
54	P-19	Pittsburg Substation Upgrades	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
55	P-19	Pittsburg Substation Upgrades	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
56	P-19	Pittsburg Substation Upgrades	Welding Truck	Diesel	395	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
57	P-19	Pittsburg Substation Upgrades	Truck - Water 4 K	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
58	P-19	Pittsburg Substation Upgrades	Truck - Concrete	Diesel	425	4	2026	8	60	480	95	456	24	hhdt	0.057446	2.433526	0.668621	0.016751	0.149569	0.065952	1768.935	0.002668	0.278696
59	P-19	Pittsburg Substation Upgrades	Truck - Dump 10-12 Yd	Diesel	415	4	2026	8	40	320	95	304	16	hhdt	0.051745	1.798169	0.641844	0.011457	0.099793	0.044045	1209.927	0.002403	0.190625
60	L-20	Commissioning and Testing	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
61	L-20	Commissioning and Testing	Pickup - 1 Ton	Diesel	410	4	2026	8	40	320	95	304	16	passenger	0.112621	0.604868	0.675053	0.002296	0.102756	0.09033	242.3598	0.005231	0.038184
62	L-20	Commissioning and Testing	Truck - Water 4 K	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
63	L-21	Cleanup and Restoration	Pickup - 1 Ton	Diesel	410	4	2026	8	40	320	95	304	16	passenger	0.112621	0.604868	0.675053	0.002296	0.102756	0.09033	242.3598	0.005231	0.038184
64	L-21	Cleanup and Restoration	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
65	L-21	Cleanup and Restoration	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
66	L-21	Cleanup and Restoration	Truck - Dump 10-12 Yd	Diesel	415	2	2026	4	40	160	95	152	8	hhdt	0.025873	0.899084	0.320922	0.005729	0.049896	0.022022	604.9636	0.001202	0.095312
67	L-01	Survey	Worker Commute	Gasoline	NA	4	2026	8	60	480	100	480	0	passenger	0.047227	0.082851	1.045261	0.003223	0.019008	0.00671	326.0088	0.005178	0.007293
68	L-02	Site Development/Staging Yards	Worker Commute	Gasoline	NA	12	2026	24	60	1440	100	1440	0	passenger	0.141681	0.248552	3.135783	0.009669	0.057025	0.020129	978.0264	0.015534	0.021878
69	L-03	Below-Grade Construction	Worker Commute	Gasoline	NA	40	2026	80	60	4800	100	4800	0	passenger	0.472269	0.828505	10.45261	0.032229	0.190083	0.067096	3260.088	0.051778	0.072926
70	L-04	Above-Grade Construction	Worker Commute	Gasoline	NA	30	2026	60	60	3600	100	3600	0	passenger	0.354202	0.621379	7.839458	0.024172	0.142562	0.050322	2445.066	0.038834	0.054695
71	P-05	Foundation Installation	Worker Commute	Gasoline	NA	15	2026	30	60	1800	100	1800	0	passenger	0.177101	0.310689	3.919729	0.012086	0.071281	0.025161	1222.533	0.019417	0.027347
72	P-06	Structure Installation	Worker Commute	Gasoline	NA	15	2026	30	60	1800	100	1800	0	passenger	0.177101	0.310689	3.919729	0.012086	0.071281	0.025161	1222.533	0.019417	0.027347
73	P-07	Conductor Installation	Worker Commute	Gasoline	NA	30	2026	60	60	3600	100	3600	0	passenger	0.354202	0.621379	7.839458	0.024172	0.142562	0.050322	2445.066	0.038834	0.054695
74	L-08	Access Road Construction	Worker Commute	Gasoline	NA	12	2026	24	60	1440	100	1440	0	passenger	0.141681	0.248552	3.135783	0.009669	0.057025	0.020129	978.0264	0.015534	0.021878
75	L-09	Foundation Installation	Worker Commute	Gasoline	NA	12	2026	24	60	1440	100	1440	0	passenger	0.141681	0.248552	3.135783	0.009669	0.057025	0.020129	978.0264	0.015534	0.021878
76	L-10	Structure Installation	Worker Commute	Gasoline	NA	12	2026	24	60	1440	100	1440	0	passenger	0.141681	0.248552	3.135783	0.009669	0.057025	0.020129	978.0264	0.015534	0.021878
77	L-11	Conductor Installation	Worker Commute	Gasoline	NA	30	2026	60	60	3600	100	3600	0	passenger	0.354202	0.621379	7.839458	0.024172	0.142562	0.050322	2445.066	0.038834	0.054695
78	L-14	Submarine Cable Installation	Worker Commute	Gasoline	NA	25	2026	50	60	3000	100	3000	0	passenger	0.295168	0.517816	6.532881	0.020143	0.118802	0.041935	2037.555	0.032362	0.045579
79	L-15	Southern Transition Approach Construction	Worker Commute	Gasoline	NA	25	2026	50	60	3000	100	3000	0	passenger	0.295168	0.517816	6.532881	0.020143	0.118802	0.041935	2037.555	0.032362	0.045579
80	L-16	Substation Getaways	Worker Commute	Gasoline	NA	20	2026	40	60	2400	100	2400	0	passenger	0.236134	0.414253	5.226305	0.016115	0.095041	0.033548	1630.044	0.025889	0.036463
81	P-17	Distribution Extension to Substation	Worker Commute	Gasoline	NA	10	2026	20	60	1200	100	1200	0	passenger	0.118067	0.207126	2.613153	0.008057	0.047521	0.016774	815.022	0.012945	0.018232
82	L-18	Fiber Extension to Substation	Worker Commute	Gasoline	NA	12	2026	24	60	1440	100	1440	0	passenger	0.141681	0.248552	3.135783	0.009669	0.057025	0.020129	978.0264	0.015534	0.021878
83	P-19	Pittsburg Substation Upgrades	Worker Commute	Gasoline	NA	15	2026	30	60	1800	100	1800	0	passenger	0.177101	0.310689	3.919729	0.012086	0.071281	0.025161	1222.533	0.019417	0.027347
84	L-20	Commissioning and Testing	Worker Commute	Gasoline	NA	24	2026	48	60	2880	100	2880	0	passenger	0.283361	0.497103	6.271566	0.019338	0.11405	0.040258	1956.053	0.031067	0.043756
85	L-21	Cleanup and Restoration	Worker Commute	Gasoline	NA	12	2026	24	60	1440	100	1440	0	passenger	0.141681	0.248552	3.135783	0.009669	0.057025	0.020129	978.0264	0.015534	0.021878
86	P-22	Foundation Installation	Truck - Concrete	Diesel	425	2	2026	4	60	240	95	228	12	hhdt	0.028723	1.216763	0.334311	0.008375	0.074784	0.032976	884.4675	0.001334	0.139348
87	P-22	Foundation 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
88	P-22	Foundation Installation	Truck - Water 4 K	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
89	P-22	Foundation Installation	Truck - Dump 10-12 Yd	Diesel	415	1	2026	2	40	80	95	76	4	hhdt	0.012936	0.449542	0.160461	0.002864	0.024948	0.011011	302.4818	0.000601	0.047656

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
90	P-23	Structure and 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
91	P-23	Structure and Conductor 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
92	P-23	Structure and Conductor Installation	Truck - Water 4 K	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
93	P-22	Foundation Installation	Worker Commute	Gasoline	NA	15	2026	30	60	1800	100	1800	0	passenger	0.177101	0.310689	3.919729	0.012086	0.071281	0.025161	1222.533	0.019417	0.027347
94	P-23	Structure and Conductor Installation	Worker Commute	Gasoline	NA	30	2026	60	60	3600	100	3600	0	passenger	0.354202	0.621379	7.839458	0.024172	0.142562	0.050322	2445.066	0.038834	0.054695
95	L-24	Northern Transition Approach Construction	Truck - Dump 10-12 Yd	Diesel	415	1	2026	2	40	80	95	76	4	hhdt	0.012936	0.449542	0.160461	0.002864	0.024948	0.011011	302.4818	0.000601	0.047656
96	L-24	Northern Transition Approach Construction	Worker Commute	Gasoline	NA	20	2026	40	60	2400	100	2400	0	passenger	0.236134	0.414253	5.226305	0.016115	0.095041	0.033548	1630.044	0.025889	0.036463
97	P-25	Tesla Substation Upgrades	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
98	P-25	Tesla Substation Upgrades	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
99	P-25	Tesla Substation Upgrades	Truck - Concrete	Diesel	425	1		2	60	120	95	114	6	hhdt	0.014362	0.608382	0.167155	0.004188	0.037392	0.016488	442.2338	0.000667	0.069674
100	P-25	Tesla Substation Upgrades	Truck - Dump 10-12 Yd	Diesel	415	1		2	40	80	95	76	4	hhdt	0.012936	0.449542	0.160461	0.002864	0.024948	0.011011	302.4818	0.000601	0.047656
101	P-26	Vaca Dixon Substation Upgrades	Pickup - 1/2 Ton	Gasoline	395	4		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
102	P-26	Vaca Dixon Substation Upgrades	Pickup - 1 Ton	Diesel	410	4		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
103	P-26	Vaca Dixon Substation Upgrades	Truck - Concrete	Diesel	425	1		2	60	120	95	114	6	hhdt	0.014362	0.608382	0.167155	0.004188	0.037392	0.016488	442.2338	0.000667	0.069674
104	P-26	Vaca Dixon Substation Upgrades	Truck - Dump 10-12 Yd	Diesel	415	1		2	40	80	95	76	4	hhdt	0.012936	0.449542	0.160461	0.002864	0.024948	0.011011	302.4818	0.000601	0.047656
105	P-25	Tesla Substation Upgrades	Worker Commute	Gasoline	NA	15		30	60	1800	100	1800	0	passenger	0.177101	0.310689	3.919729	0.012086	0.071281	0.025161	1222.533	0.019417	0.027347
106	P-26	Vaca Dixon Substation Upgrades	Worker Commute	Gasoline	NA	15		30	60	1800	100	1800	0	passenger	0.177101	0.310689	3.919729	0.012086	0.071281	0.025161	1222.533	0.019417	0.027347
107	P-27	PG&E IT Work	Pickup - 1/2 Ton	Gasoline	395	4		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
108	P-27	PG&E IT Work	Pickup - 1 Ton	Diesel	410	2		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
109	P-27	PG&E IT Work	Truck - Water 4 K	Diesel	300	1		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
110	P-27	PG&E IT Work	Truck - Concrete	Diesel	425	4		8	60	480	95	456	24	hhdt	0.057446	2.433526	0.668621	0.016751	0.149569	0.065952	1768.935	0.002668	0.278696
111	P-27	PG&E IT Work	Truck - Dump 10-12 Yd	Diesel	415	2		4	40	160	95	152	8	hhdt	0.025873	0.899084	0.320922	0.005729	0.049896	0.022022	604.9636	0.001202	0.095312
112	P-27	PG&E IT Work	Worker Commute	Gasoline	NA	15		30	60	1800	100	1800	0	passenger	0.177101	0.310689	3.919729	0.012086	0.071281	0.025161	1222.533	0.019417	0.027347

Table 28: 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	1.39959E-05	8.25E-05	2.91577E-05	1.415731	2.56076E-05	3.29506E-05
2	L-02	76	0.000693	0.032168	0.00485	0.000294648	0.001837	0.000789191	31.11581	3.22075E-05	0.004902308
3	L-02	76	0.002458	0.085413	0.030488	0.000544221	0.00474	0.002092126	57.47154	0.000114163	0.009054665
4	L-02	76	0.001598	0.002169	0.027368	8.18224E-05	0.000482	0.00017046	8.276582	0.000149706	0.000192634
5	L-02	76	0.00428	0.022985	0.025652	8.72663E-05	0.003905	0.003432536	9.209673	0.00019878	0.001450988
6	L-02	76	0.000983	0.034165	0.012195	0.000217688	0.001896	0.000836851	22.98862	4.56652E-05	0.003621866
7	L-03	152	0.000693	0.032168	0.00485	0.000294648	0.001837	0.000789191	31.11581	3.22075E-05	0.004902308
8	L-03	152	0.003197	0.004337	0.054735	0.000163645	0.000964	0.000340921	16.55316	0.000299412	0.000385269
9	L-03	152	0.008559	0.04597	0.051304	0.000174533	0.007809	0.006865072	18.41935	0.000397559	0.002901976
10	L-03	152	0.004366	0.184948	0.050815	0.001273058	0.011367	0.005012374	134.4391	0.000202785	0.02118093
11	L-03	152	0.002949	0.102496	0.036585	0.000653065	0.005688	0.002510552	68.96585	0.000136996	0.010865598
12	L-04	333	0.007003	0.009502	0.119913	0.000358511	0.002112	0.000746886	36.2645	0.000655949	0.000844043
13	L-04	333	0.018751	0.100711	0.112396	0.000382364	0.017109	0.015039927	40.35291	0.000870969	0.006357617
14	L-04	333	0.001519	0.070472	0.010624	0.000645512	0.004025	0.001728952	68.16819	7.05599E-05	0.010739926
15	P-05	54	0.001551	0.065705	0.018053	0.00045227	0.004038	0.001780712	47.76125	7.2042E-05	0.007524804
16	P-05	70	0.005913	0.031756	0.03544	0.000120565	0.005395	0.004742319	12.72389	0.00027463	0.002004654
17	P-05	70	0.000464	0.021135	0.00283	0.000202083	0.001268	0.000543833	21.34063	2.15357E-05	0.003362225
18	P-05	20	0.000259	0.008991	0.003209	5.72864E-05	0.000499	0.000220224	6.049636	1.20172E-05	0.000953123
19	P-06	40	0.000421	0.000571	0.007202	2.15322E-05	0.000127	4.4858E-05	2.178048	3.93963E-05	5.06933E-05
20	P-06	40	0.001689	0.009073	0.010126	3.44472E-05	0.001541	0.001354948	3.635397	7.84656E-05	0.000572758
21	P-06	40	0.000265	0.012077	0.001617	0.000115476	0.000724	0.000310762	12.19465	1.23061E-05	0.001921271
22	P-06	13	2.97E-05	0.001376	0.000207	1.26001E-05	7.86E-05	3.37483E-05	1.33061	1.3773E-06	0.000209638
23	P-07	12	2.74E-05	0.00127	0.000191	1.16308E-05	7.25E-05	3.11523E-05	1.228256	1.27135E-06	0.000193512
24	P-07	40	0.000841	0.001141	0.014404	4.30644E-05	0.000254	8.9716E-05	4.356096	7.87927E-05	0.000101387
25	P-07	40	0.003379	0.018146	0.020252	6.88945E-05	0.003083	0.002709897	7.270795	0.000156931	0.001145517
26	P-07	40	0.000265	0.012077	0.001617	0.000115476	0.000724	0.000310762	12.19465	1.23061E-05	0.001921271
27	L-08	16	0.000168	0.000228	0.002881	8.61289E-06	5.07E-05	1.79432E-05	0.871219	1.57585E-05	2.02773E-05
28	L-08	16	0.00045	0.002419	0.0027	9.18593E-06	0.000411	0.00036132	0.969439	2.09242E-05	0.000152736
29	L-08	16	0.000207	0.007193	0.002567	4.58292E-05	0.000399	0.000176179	4.839709	9.61373E-06	0.000762498
30	L-08	16	7.3E-05	0.003386	0.00051	3.10156E-05	0.000193	8.30728E-05	3.275348	3.39027E-06	0.000516032
31	L-09	22	0.000632	0.026769	0.007355	0.000184258	0.001645	0.000725475	19.45829	2.93504E-05	0.003065661
32	L-09	22	0.001239	0.006654	0.007426	2.52613E-05	0.00113	0.000993629	2.665958	5.75415E-05	0.000420023
33	L-09	22	0.0001	0.004656	0.000702	4.26464E-05	0.000266	0.000114225	4.503604	4.66161E-06	0.000709545
34	L-09	22	0.000285	0.00989	0.00353	6.30151E-05	0.000549	0.000242246	6.6546	1.32189E-05	0.001048435
35	L-10	24	0.000252	0.000342	0.004321	1.29193E-05	7.61E-05	2.69148E-05	1.306829	2.36378E-05	3.0416E-05

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
36	L-10	24	0.000676	0.003629	0.00405	1.37789E-05	0.000617	0.000541979	1.454159	3.13863E-05	0.000229103
37	L-10	24	0.000109	0.005079	0.000766	4.65234E-05	0.00029	0.000124609	4.913023	5.0854E-06	0.000774049
38	L-11	26	8.61E-05	0.003925	0.000526	3.75297E-05	0.000235	0.000100998	3.96326	3.99949E-06	0.000624413
39	L-11	26	0.000547	0.000742	0.009363	2.79919E-05	0.000165	5.83154E-05	2.831462	5.12152E-05	6.59012E-05
40	L-11	26	0.001464	0.007863	0.008776	2.98543E-05	0.001336	0.001174289	3.150678	6.80036E-05	0.000496391
41	L-11	26	0.000119	0.005502	0.00083	5.04003E-05	0.000314	0.000134993	5.322441	5.50918E-06	0.000838553
42	L-15	138	0.00357	0.124074	0.044287	0.000790553	0.006886	0.003039089	83.48498	0.000165837	0.013153093
43	L-15	138	0.001828	0.083331	0.011159	0.000796784	0.004999	0.002144255	84.14306	8.49123E-05	0.013256773
44	L-16	70	0.001472	0.001997	0.025207	7.53628E-05	0.000444	0.000157003	7.623168	0.000137887	0.000177426
45	L-16	70	0.003942	0.02117	0.023627	8.03769E-05	0.003596	0.003161546	8.482594	0.000183086	0.001336436
46	L-16	70	0.000319	0.014814	0.002233	0.000135693	0.000846	0.000363443	14.32965	1.48324E-05	0.002257642
47	P-17	51	0.000536	0.000728	0.009183	2.74536E-05	0.000162	5.71939E-05	2.777011	5.02303E-05	6.46339E-05
48	P-17	51	0.002154	0.011568	0.01291	4.39202E-05	0.001965	0.001727559	4.635132	0.000100044	0.000730267
49	P-17	51	0.00066	0.022927	0.008184	0.00014608	0.001272	0.000561571	15.42657	3.06438E-05	0.002430463
50	P-17	51	0.001465	0.062055	0.01705	0.000427144	0.003814	0.001681783	45.10784	6.80396E-05	0.007106759
51	L-18	103	0.001999	0.069454	0.024791	0.000442538	0.003854	0.001701229	46.73344	9.28326E-05	0.007362873
52	L-18	103	0.00435	0.023363	0.026074	8.87016E-05	0.003969	0.003488992	9.361148	0.000202049	0.001474853
53	L-18	103	0.001479	0.062663	0.017217	0.000431332	0.003851	0.001698271	45.55008	6.87067E-05	0.007176433
54	P-19	250	0.005258	0.007133	0.090025	0.000269153	0.001586	0.000560725	27.2256	0.000492454	0.000633666
55	P-19	250	0.010558	0.056706	0.063286	0.000215295	0.009633	0.008468428	22.72123	0.00049041	0.00357974
56	P-19	144	0.000477	0.021739	0.002911	0.000207857	0.001304	0.000559371	21.95036	2.2151E-05	0.003458289
57	P-19	144	0.000477	0.021739	0.002911	0.000207857	0.001304	0.000559371	21.95036	2.2151E-05	0.003458289
58	P-19	144	0.004136	0.175214	0.048141	0.001206055	0.010769	0.004748565	127.3633	0.000192112	0.020066144
59	P-19	144	0.003726	0.129468	0.046213	0.000824925	0.007185	0.003171223	87.11476	0.000173047	0.013724966
60	L-20	174	0.003659	0.004965	0.062657	0.00018733	0.001104	0.000390265	18.94902	0.000342748	0.000441031
61	L-20	174	0.009798	0.052624	0.05873	0.000199794	0.00894	0.007858701	21.0853	0.000455101	0.003321998
62	L-20	174	0.000397	0.018412	0.002776	0.000168647	0.001052	0.000451708	17.80971	1.84346E-05	0.002805927
63	L-21	140	0.007883	0.042341	0.047254	0.000160754	0.007193	0.006323093	16.96519	0.000366173	0.002672872
64	L-21	140	0.000639	0.029628	0.004467	0.000271386	0.001692	0.000726887	28.6593	2.96648E-05	0.004515284
65	L-21	140	0.002944	0.003995	0.050414	0.000150726	0.000888	0.000314006	15.24634	0.000275774	0.000354853
66	L-21	140	0.001811	0.062936	0.022465	0.000401005	0.003493	0.001541567	42.34745	8.41202E-05	0.006671859
67	L-01	26	0.000614	0.001077	0.013588	4.18981E-05	0.000247	8.72249E-05	4.238114	6.73119E-05	9.48044E-05
68	L-02	76	0.005384	0.009445	0.11916	0.000367414	0.002167	0.000764895	37.165	0.000590274	0.000831361
69	L-03	152	0.035892	0.062966	0.794398	0.002449426	0.014446	0.005099299	247.7667	0.00393516	0.005542409
70	L-04	333	0.058975	0.10346	1.30527	0.004024632	0.023737	0.008378619	407.1035	0.00646583	0.009106689
71	P-05	70	0.006199	0.010874	0.137191	0.000423009	0.002495	0.000880636	42.78865	0.000679592	0.00095716

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
72	P-06	40	0.003542	0.006214	0.078395	0.00024172	0.001426	0.00050322	24.45066	0.000388338	0.000546948
73	P-07	40	0.007084	0.012428	0.156789	0.000483439	0.002851	0.001006441	48.90132	0.000776676	0.001093897
74	L-08	16	0.001133	0.001988	0.025086	7.73503E-05	0.000456	0.000161031	7.824211	0.000124268	0.000175023
75	L-09	22	0.001558	0.002734	0.034494	0.000106357	0.000627	0.000221417	10.75829	0.000170869	0.000240657
76	L-10	24	0.0017	0.002983	0.037629	0.000116025	0.000684	0.000241546	11.73632	0.000186402	0.000262535
77	L-11	26	0.004605	0.008078	0.101913	0.000314236	0.001853	0.000654186	31.78586	0.00050484	0.000711033
78	L-14	122	0.018005	0.031587	0.398506	0.001228742	0.007247	0.002558037	124.2908	0.001974052	0.00278032
79	L-15	138	0.020367	0.035729	0.450769	0.001389888	0.008197	0.002893517	140.5913	0.002232944	0.003144953
80	L-16	70	0.008265	0.014499	0.182921	0.000564013	0.003326	0.001174181	57.05154	0.000906122	0.001276213
81	P-17	51	0.003011	0.005282	0.066635	0.000205462	0.001212	0.000427737	20.78306	0.000330087	0.000464906
82	L-18	103	0.007297	0.0128	0.161493	0.000497942	0.002937	0.001036634	50.36836	0.000799977	0.001126713
83	P-19	250	0.022138	0.038836	0.489966	0.001510748	0.00891	0.003145127	152.8166	0.002427113	0.003418427
84	L-20	174	0.024652	0.043248	0.545626	0.001682369	0.009922	0.003502414	170.1766	0.002702833	0.00380676
85	L-21	140	0.009918	0.017399	0.219505	0.000676815	0.003992	0.001409017	68.46184	0.001087347	0.001531455
86	P-22	18	0.000259	0.010951	0.003009	7.53784E-05	0.000673	0.000296785	7.960208	1.2007E-05	0.001254134
87	P-22	48	0.002027	0.010888	0.012151	4.13367E-05	0.00185	0.001625938	4.362477	9.41588E-05	0.00068731
88	P-22	48	0.000159	0.007246	0.00097	6.92856E-05	0.000435	0.000186457	7.316788	7.38367E-06	0.001152763
89	P-22	30	0.000194	0.006743	0.002407	4.29648E-05	0.000374	0.000165168	4.537227	9.01288E-06	0.000714842
90	P-23	36	0.000757	0.001027	0.012964	3.8758E-05	0.000228	8.07444E-05	3.920486	7.09134E-05	9.12479E-05
91	P-23	36	0.003041	0.016331	0.018226	6.2005E-05	0.002774	0.002438907	6.543715	0.000141238	0.001030965
92	P-23	36	0.000119	0.005435	0.000728	5.19642E-05	0.000326	0.000139843	5.487591	5.53776E-06	0.000864572
93	P-22	48	0.00425	0.007457	0.094073	0.000290064	0.001711	0.000603864	29.34079	0.000466006	0.000656338
94	P-23	36	0.006376	0.011185	0.14111	0.000435095	0.002566	0.000905797	44.01119	0.000699009	0.000984507
95	L-24	138	0.000893	0.031018	0.011072	0.000197638	0.001721	0.000759772	20.87125	4.14592E-05	0.003288273
96	L-24	138	0.016293	0.028583	0.360615	0.00111191	0.006558	0.002314814	112.473	0.001786355	0.002515962
97	P-25	144	0.003028	0.004109	0.051854	0.000155032	0.000913	0.000322978	15.68195	0.000283654	0.000364991
98	P-25	144	0.012163	0.065326	0.072906	0.00024802	0.011098	0.009755629	26.17486	0.000564953	0.00412386
99	P-25	72	0.000517	0.021902	0.006018	0.000150757	0.001346	0.000593571	15.92042	2.4014E-05	0.002508268
100	P-25	72	0.000466	0.016184	0.005777	0.000103116	0.000898	0.000396403	10.88935	2.16309E-05	0.001715621
101	P-26	224	0.004711	0.006392	0.080662	0.000241161	0.001421	0.00050241	24.39414	0.000441239	0.000567765
102	P-26	224	0.01892	0.101618	0.113409	0.000385809	0.017263	0.015175422	40.71645	0.000878815	0.006414893
103	P-26	132	0.000948	0.040153	0.011032	0.000276387	0.002468	0.001088213	29.18743	4.40256E-05	0.004598491
104	P-26	132	0.000854	0.02967	0.01059	0.000189045	0.001647	0.000726739	19.9638	3.96567E-05	0.003145305
105	P-25	144	0.012751	0.02237	0.28222	0.000870191	0.005132	0.001811593	88.02237	0.001398017	0.001969014
106	P-26	224	0.019835	0.034797	0.43901	0.00135363	0.007983	0.002818034	136.9237	0.002174693	0.00306291
107	P-27	202	0.004248	0.005764	0.07274	0.000217475	0.001281	0.000453066	21.99828	0.000397903	0.000512002

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
108	P-27	202	0.008531	0.045819	0.051135	0.000173959	0.007784	0.006842489	18.35876	0.000396251	0.00289243
109	P-27	150	0.000497	0.022644	0.003032	0.000216518	0.001358	0.000582678	22.86496	2.3074E-05	0.003602384
110	P-27	150	0.004308	0.182514	0.050147	0.001256307	0.011218	0.004946422	132.6701	0.000200117	0.020902233
111	P-27	150	0.00194	0.067431	0.024069	0.000429648	0.003742	0.001651679	45.37227	9.01288E-05	0.00714842
112	P-27	202	0.017887	0.03138	0.395893	0.001220684	0.007199	0.002541263	123.4758	0.001961107	0.002762089

Table 29: 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	0.001077	0.006343	0.002243	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	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	hhdt	0.064682	2.247711	0.802305	0.014322	0.124741	0.055056	1512.409	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	0.005069
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	0.09033	242.3598	0.005231	0.038184
6	L-02	Site Development/Staging Yards	Semi Truck	Diesel	500	2	2026	4	40	160	95	152	8	hhdt	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	0.005069
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	0.09033	242.3598	0.005231	0.038184
10	L-03	Below-Grade Construction	Truck - Concrete	Diesel	425	4	2026	8	60	480	95	456	24	hhdt	0.057446	2.433526	0.668621	0.016751	0.149569	0.065952	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	hhdt	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	0.005069
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	0.09033	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	hhdt	0.057446	2.433526	0.668621	0.016751	0.149569	0.065952	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	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	0.000615	0.096064
18	P-05	Foundation Installation	Truck - Dump 10-12 Yd	Diesel	415	2	2026	4	40	160	95	152	8	hhdt	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	0.005069
25	P-07	Conductor 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
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	40	160	95	152	8	passenger	0.056311	0.302434	0.337527	0.001148	0.051378	0.045165	121.1799	0.002616	0.019092
29	L-08	Access Road Construction	Truck - Dump 10-12 Yd	Diesel	415	2	2026	4	40	160	95	152	8	hhdt	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	40	160	95	152	8	vendor	0.009124	0.423257	0.06381	0.003877	0.024176	0.010384	409.4185	0.000424	0.064504
31	L-09	Foundation Installation	Truck - Concrete	Diesel	425	4	2026	8	60	480	95	456	24	hhdt	0.057446	2.433526	0.668621	0.016751	0.149569	0.065952	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	0.102756	0.09033	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	hhdt	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	40	160	95	152	8	passenger	0.056311	0.302434	0.337527	0.001148	0.051378	0.045165	121.1799	0.002616	0.019092
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	0.005069
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	0.09033	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-15	Southern Transition Approach Construction	Truck - Dump 10-12 Yd	Diesel	415	4	2026	8	40	320	95	304	16	hhdt	0.051745	1.798169	0.641844	0.011457	0.099793	0.044045	1209.927	0.002403	0.190625
43	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	0.192127
44	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
45	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	0.09033	242.3598	0.005231	0.038184
46	L-16	Substation Getaways	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
47	P-17	Distribution Extension to Substation	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
48	P-17	Distribution Extension to Substation	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
49	P-17	Distribution Extension to Substation	Truck - Dump 10-12 Yd	Diesel	415	2	2026	4	40	160	95	152	8	hhdt	0.025873	0.899084	0.320922	0.005729	0.049896	0.022022	604.9636	0.001202	0.095312
50	P-17	Distribution Extension to Substation	Truck - Concrete	Diesel	425	4	2026	8	60	480	95	456	24	hhdt	0.057446	2.433526	0.668621	0.016751	0.149569	0.065952	1768.935	0.002668	0.278696
51	L-18	Fiber Extension to Substation	Truck - Dump 10-12 Yd	Diesel	415	3	2026	6	40	240	95	228	12	hhdt	0.038809	1.348627	0.481383	0.008593	0.074845	0.033034	907.4454	0.001803	0.142968
52	L-18	Fiber Extension to Substation	Pickup - 1 Ton	Diesel	410	3	2026	6	40	240	95	228	12	passenger	0.084466	0.453651	0.50629	0.001722	0.077067	0.067747	181.7699	0.003923	0.028638
53	L-18	Fiber Extension to Substation	Truck - Concrete	Diesel	425	2	2026	4	60	240	95	228	12	hhdt	0.028723	1.216763	0.334311	0.008375	0.074784	0.032976	884.4675	0.001334	0.139348
54	P-19	Pittsburg Substation Upgrades	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
55	P-19	Pittsburg Substation Upgrades	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
56	P-19	Pittsburg Substation Upgrades	Welding Truck	Diesel	395	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
57	P-19	Pittsburg Substation Upgrades	Truck - Water 4 K	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
58	P-19	Pittsburg Substation Upgrades	Truck - Concrete	Diesel	425	4	2026	8	60	480	95	456	24	hhdt	0.057446	2.433526	0.668621	0.016751	0.149569	0.065952	1768.935	0.002668	0.278696
59	P-19	Pittsburg Substation Upgrades	Truck - Dump 10-12 Yd	Diesel	415	4	2026	8	40	320	95	304	16	hhdt	0.051745	1.798169	0.641844	0.011457	0.099793	0.044045	1209.927	0.002403	0.190625
60	L-20	Commissioning and Testing	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
61	L-20	Commissioning and Testing	Pickup - 1 Ton	Diesel	410	4	2026	8	40	320	95	304	16	passenger	0.112621	0.604868	0.675053	0.002296	0.102756	0.09033	242.3598	0.005231	0.038184
62	L-20	Commissioning and Testing	Truck - Water 4 K	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
63	L-21	Cleanup and Restoration	Pickup - 1 Ton	Diesel	410	4	2026	8	40	320	95	304	16	passenger	0.112621	0.604868	0.675053	0.002296	0.102756	0.09033	242.3598	0.005231	0.038184
64	L-21	Cleanup and Restoration	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
65	L-21	Cleanup and Restoration	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
66	L-21	Cleanup and Restoration	Truck - Dump 10-12 Yd	Diesel	415	2	2026	4	40	160	95	152	8	hhdt	0.025873	0.899084	0.320922	0.005729	0.049896	0.022022	604.9636	0.001202	0.095312
67	L-01	Survey	Worker Commute	Gasoline	NA	4	2026	8	60	480	100	480	0	passenger	0.047227	0.082851	1.045261	0.003223	0.019008	0.00671	326.0088	0.005178	0.007293
68	L-02	Site Development/Staging Yards	Worker Commute	Gasoline	NA	12	2026	24	60	1440	100	1440	0	passenger	0.141681	0.248552	3.135783	0.009669	0.057025	0.020129	978.0264	0.015534	0.021878
69	L-03	Below-Grade Construction	Worker Commute	Gasoline	NA	40	2026	80	60	4800	100	4800	0	passenger	0.472269	0.828505	10.45261	0.032229	0.190083	0.067096	3260.088	0.051778	0.072926
70	L-04	Above-Grade Construction	Worker Commute	Gasoline	NA	30	2026	60	60	3600	100	3600	0	passenger	0.354202	0.621379	7.839458	0.024172	0.142562	0.050322	2445.066	0.038834	0.054695
71	P-05	Foundation Installation	Worker Commute	Gasoline	NA	15	2026	30	60	1800	100	1800	0	passenger	0.177101	0.310689	3.919729	0.012086	0.071281	0.025161	1222.533	0.019417	0.027347
72	P-06	Structure Installation	Worker Commute	Gasoline	NA	15	2026	30	60	1800	100	1800	0	passenger	0.177101	0.310689	3.919729	0.012086	0.071281	0.025161	1222.533	0.019417	0.027347
73	P-07	Conductor Installation	Worker Commute	Gasoline	NA	30	2026	60	60	3600	100	3600	0	passenger	0.354202	0.621379	7.839458	0.024172	0.142562	0.050322	2445.066	0.038834	0.054695
74	L-08	Access Road Construction	Worker Commute	Gasoline	NA	12	2026	24	60	1440	100	1440	0	passenger	0.141681	0.248552	3.135783	0.009669	0.057025	0.020129	978.0264	0.015534	0.021878
75	L-09	Foundation Installation	Worker Commute	Gasoline	NA	12	2026	24	60	1440	100	1440	0	passenger	0.141681	0.248552	3.135783	0.009669	0.057025	0.020129	978.0264	0.015534	0.021878
76	L-10	Structure Installation	Worker Commute	Gasoline	NA	12	2026	24	60	1440	100	1440	0	passenger	0.141681	0.248552	3.135783	0.009669	0.057025	0.020129	978.0264	0.015534	0.021878
77	L-11	Conductor Installation	Worker Commute	Gasoline	NA	30	2026	60	60	3600	100	3600	0	passenger	0.354202	0.621379	7.839458	0.024172	0.142562	0.050322	2445.066	0.038834	0.054695
78	L-14	Submarine Cable Installation	Worker Commute	Gasoline	NA	25	2026	50	60	3000	100	3000	0	passenger	0.295168	0.517816	6.532881	0.020143	0.118802	0.041935	2037.555	0.032362	0.045579
79	L-15	Southern Transition Approach Construction	Worker Commute	Gasoline	NA	25	2026	50	60	3000	100	3000	0	passenger	0.295168	0.517816	6.532881	0.020143	0.118802	0.041935	2037.555	0.032362	0.045579
80	L-16	Substation Getaways	Worker Commute	Gasoline	NA	20	2026	40	60	2400	100	2400	0	passenger	0.236134	0.414253	5.226305	0.016115	0.095041	0.033548	1630.044	0.025889	0.036463
81	P-17	Distribution Extension to Substation	Worker Commute	Gasoline	NA	10	2026	20	60	1200	100	1200	0	passenger	0.118067	0.207126	2.613153	0.008057	0.047521	0.016774	815.022	0.012945	0.018232
82	L-18	Fiber Extension to Substation	Worker Commute	Gasoline	NA	12	2026	24	60	1440	100	1440	0	passenger	0.141681	0.248552	3.135783	0.009669	0.057025	0.020129	978.0264	0.015534	0.021878
83	P-19	Pittsburg Substation Upgrades	Worker Commute	Gasoline	NA	15	2026	30	60	1800	100	1800	0	passenger	0.177101	0.310689	3.919729	0.012086	0.071281	0.025161	1222.533	0.019417	0.027347
84	L-20	Commissioning and Testing	Worker Commute	Gasoline	NA	24	2026	48	60	2880	100	2880	0	passenger	0.283361	0.497103	6.271566	0.019338	0.11405	0.040258	1956.053	0.031067	0.043756
85	L-21	Cleanup and Restoration	Worker Commute	Gasoline	NA	12	2026	24	60	1440	100	1440	0	passenger	0.141681	0.248552	3.135783	0.009669	0.057025	0.020129	978.0264	0.015534	0.021878
86	P-22	Foundation Installation	Truck - Concrete	Diesel	425	2	2026	4	60	240	95	228	12	hhdt	0.028723	1.216763	0.334311	0.008375	0.074784	0.032976	884.4675	0.001334	0.139348
87	P-22	Foundation 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
88	P-22	Foundation Installation	Truck - Water 4 K	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
89	P-22	Foundation Installation	Truck - Dump 10-12 Yd	Diesel	415	1	2026	2	40	80	95	76	4	hhdt	0.012936	0.449542	0.160461	0.002864	0.024948	0.011011	302.4818	0.000601	0.047656

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
90	P-23	Structure and 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
91	P-23	Structure and Conductor 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
92	P-23	Structure and Conductor Installation	Truck - Water 4 K	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
93	P-22	Foundation Installation	Worker Commute	Gasoline	NA	15	2026	30	60	1800	100	1800	0	passenger	0.177101	0.310689	3.919729	0.012086	0.071281	0.025161	1222.533	0.019417	0.027347
94	P-23	Structure and Conductor Installation	Worker Commute	Gasoline	NA	30	2026	60	60	3600	100	3600	0	passenger	0.354202	0.621379	7.839458	0.024172	0.142562	0.050322	2445.066	0.038834	0.054695
95	L-24	Northern Transition Approach Construction	Truck - Dump 10-12 Yd	Diesel	415	1	2026	2	40	80	95	76	4	hhdt	0.012936	0.449542	0.160461	0.002864	0.024948	0.011011	302.4818	0.000601	0.047656
96	L-24	Northern Transition Approach Construction	Worker Commute	Gasoline	NA	20	2026	40	60	2400	100	2400	0	passenger	0.236134	0.414253	5.226305	0.016115	0.095041	0.033548	1630.044	0.025889	0.036463
97	P-25	Tesla Substation Upgrades	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
98	P-25	Tesla Substation Upgrades	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
99	P-25	Tesla Substation Upgrades	Truck - Concrete	Diesel	425	1		2	60	120	95	114	6	hhdt	0.014362	0.608382	0.167155	0.004188	0.037392	0.016488	442.2338	0.000667	0.069674
100	P-25	Tesla Substation Upgrades	Truck - Dump 10-12 Yd	Diesel	415	1		2	40	80	95	76	4	hhdt	0.012936	0.449542	0.160461	0.002864	0.024948	0.011011	302.4818	0.000601	0.047656
101	P-26	Vaca Dixon Substation Upgrades	Pickup - 1/2 Ton	Gasoline	395	4		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
102	P-26	Vaca Dixon Substation Upgrades	Pickup - 1 Ton	Diesel	410	4		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
103	P-26	Vaca Dixon Substation Upgrades	Truck - Concrete	Diesel	425	1		2	60	120	95	114	6	hhdt	0.014362	0.608382	0.167155	0.004188	0.037392	0.016488	442.2338	0.000667	0.069674
104	P-26	Vaca Dixon Substation Upgrades	Truck - Dump 10-12 Yd	Diesel	415	1		2	40	80	95	76	4	hhdt	0.012936	0.449542	0.160461	0.002864	0.024948	0.011011	302.4818	0.000601	0.047656
105	P-25	Tesla Substation Upgrades	Worker Commute	Gasoline	NA	15		30	60	1800	100	1800	0	passenger	0.177101	0.310689	3.919729	0.012086	0.071281	0.025161	1222.533	0.019417	0.027347
106	P-26	Vaca Dixon Substation Upgrades	Worker Commute	Gasoline	NA	15		30	60	1800	100	1800	0	passenger	0.177101	0.310689	3.919729	0.012086	0.071281	0.025161	1222.533	0.019417	0.027347
107	P-27	PG&E IT Work	Pickup - 1/2 Ton	Gasoline	395	4		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
108	P-27	PG&E IT Work	Pickup - 1 Ton	Diesel	410	2		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
109	P-27	PG&E IT Work	Truck - Water 4 K	Diesel	300	1		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
110	P-27	PG&E IT Work	Truck - Concrete	Diesel	425	4		8	60	480	95	456	24	hhdt	0.057446	2.433526	0.668621	0.016751	0.149569	0.065952	1768.935	0.002668	0.278696
111	P-27	PG&E IT Work	Truck - Dump 10-12 Yd	Diesel	415	2		4	40	160	95	152	8	hhdt	0.025873	0.899084	0.320922	0.005729	0.049896	0.022022	604.9636	0.001202	0.095312
112	P-27	PG&E IT Work	Worker Commute	Gasoline	NA	15		30	60	1800	100	1800	0	passenger	0.177101	0.310689	3.919729	0.012086	0.071281	0.025161	1222.533	0.019417	0.027347

Table 30: 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	1.39959E-05	8.25E-05	2.91577E-05	1.415731	2.56076E-05	3.29506E-05
2	L-02	76	0.000693	0.032168	0.00485	0.000294648	0.001837	0.000789191	31.11581	3.22075E-05	0.004902308
3	L-02	76	0.002458	0.085413	0.030488	0.000544221	0.00474	0.002092126	57.47154	0.000114163	0.009054665
4	L-02	76	0.001598	0.002169	0.027368	8.18224E-05	0.000482	0.00017046	8.276582	0.000149706	0.000192634
5	L-02	76	0.00428	0.022985	0.025652	8.72663E-05	0.003905	0.003432536	9.209673	0.00019878	0.001450988
6	L-02	76	0.000983	0.034165	0.012195	0.000217688	0.001896	0.000836851	22.98862	4.56652E-05	0.003621866
7	L-03	152	0.000693	0.032168	0.00485	0.000294648	0.001837	0.000789191	31.11581	3.22075E-05	0.004902308
8	L-03	152	0.003197	0.004337	0.054735	0.000163645	0.000964	0.000340921	16.55316	0.000299412	0.000385269
9	L-03	152	0.008559	0.04597	0.051304	0.000174533	0.007809	0.006865072	18.41935	0.000397559	0.002901976
10	L-03	152	0.004366	0.184948	0.050815	0.001273058	0.011367	0.005012374	134.4391	0.000202785	0.02118093
11	L-03	152	0.002949	0.102496	0.036585	0.000653065	0.005688	0.002510552	68.96585	0.000136996	0.010865598
12	L-04	333	0.007003	0.009502	0.119913	0.000358511	0.002112	0.000746886	36.2645	0.000655949	0.000844043
13	L-04	333	0.018751	0.100711	0.112396	0.000382364	0.017109	0.015039927	40.35291	0.000870969	0.006357617
14	L-04	333	0.001519	0.070472	0.010624	0.000645512	0.004025	0.001728952	68.16819	7.05599E-05	0.010739926
15	P-05	54	0.001551	0.065705	0.018053	0.00045227	0.004038	0.001780712	47.76125	7.2042E-05	0.007524804
16	P-05	70	0.005913	0.031756	0.03544	0.000120565	0.005395	0.004742319	12.72389	0.00027463	0.002004654
17	P-05	70	0.000464	0.021135	0.00283	0.000202083	0.001268	0.000543833	21.34063	2.15357E-05	0.003362225
18	P-05	20	0.000259	0.008991	0.003209	5.72864E-05	0.000499	0.000220224	6.049636	1.20172E-05	0.000953123
19	P-06	40	0.000421	0.000571	0.007202	2.15322E-05	0.000127	4.4858E-05	2.178048	3.93963E-05	5.06933E-05
20	P-06	40	0.001689	0.009073	0.010126	3.44472E-05	0.001541	0.001354948	3.635397	7.84656E-05	0.000572758
21	P-06	40	0.000265	0.012077	0.001617	0.000115476	0.000724	0.000310762	12.19465	1.23061E-05	0.001921271
22	P-06	13	2.97E-05	0.001376	0.000207	1.26001E-05	7.86E-05	3.37483E-05	1.33061	1.3773E-06	0.000209638
23	P-07	12	2.74E-05	0.00127	0.000191	1.16308E-05	7.25E-05	3.11523E-05	1.228256	1.27135E-06	0.000193512
24	P-07	40	0.000841	0.001141	0.014404	4.30644E-05	0.000254	8.9716E-05	4.356096	7.87927E-05	0.000101387
25	P-07	40	0.003379	0.018146	0.020252	6.88945E-05	0.003083	0.002709897	7.270795	0.000156931	0.001145517
26	P-07	40	0.000265	0.012077	0.001617	0.000115476	0.000724	0.000310762	12.19465	1.23061E-05	0.001921271
27	L-08	16	0.000168	0.000228	0.002881	8.61289E-06	5.07E-05	1.79432E-05	0.871219	1.57585E-05	2.02773E-05
28	L-08	16	0.00045	0.002419	0.0027	9.18593E-06	0.000411	0.00036132	0.969439	2.09242E-05	0.000152736
29	L-08	16	0.000207	0.007193	0.002567	4.58292E-05	0.000399	0.000176179	4.839709	9.61373E-06	0.000762498
30	L-08	16	7.3E-05	0.003386	0.00051	3.10156E-05	0.000193	8.30728E-05	3.275348	3.39027E-06	0.000516032
31	L-09	22	0.000632	0.026769	0.007355	0.000184258	0.001645	0.000725475	19.45829	2.93504E-05	0.003065661
32	L-09	22	0.001239	0.006654	0.007426	2.52613E-05	0.00113	0.000993629	2.665958	5.75415E-05	0.000420023
33	L-09	22	0.0001	0.004656	0.000702	4.26464E-05	0.000266	0.000114225	4.503604	4.66161E-06	0.000709545
34	L-09	22	0.000285	0.00989	0.00353	6.30151E-05	0.000549	0.000242246	6.6546	1.32189E-05	0.001048435
35	L-10	24	0.000252	0.000342	0.004321	1.29193E-05	7.61E-05	2.69148E-05	1.306829	2.36378E-05	3.0416E-05

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
36	L-10	24	0.000676	0.003629	0.00405	1.37789E-05	0.000617	0.000541979	1.454159	3.13863E-05	0.000229103
37	L-10	24	0.000109	0.005079	0.000766	4.65234E-05	0.00029	0.000124609	4.913023	5.0854E-06	0.000774049
38	L-11	26	8.61E-05	0.003925	0.000526	3.75297E-05	0.000235	0.000100998	3.96326	3.99949E-06	0.000624413
39	L-11	26	0.000547	0.000742	0.009363	2.79919E-05	0.000165	5.83154E-05	2.831462	5.12152E-05	6.59012E-05
40	L-11	26	0.001464	0.007863	0.008776	2.98543E-05	0.001336	0.001174289	3.150678	6.80036E-05	0.000496391
41	L-11	26	0.000119	0.005502	0.00083	5.04003E-05	0.000314	0.000134993	5.322441	5.50918E-06	0.000838553
42	L-15	138	0.00357	0.124074	0.044287	0.000790553	0.006886	0.003039089	83.48498	0.000165837	0.013153093
43	L-15	138	0.001828	0.083331	0.011159	0.000796784	0.004999	0.002144255	84.14306	8.49123E-05	0.013256773
44	L-16	70	0.001472	0.001997	0.025207	7.53628E-05	0.000444	0.000157003	7.623168	0.000137887	0.000177426
45	L-16	70	0.003942	0.02117	0.023627	8.03769E-05	0.003596	0.003161546	8.482594	0.000183086	0.001336436
46	L-16	70	0.000319	0.014814	0.002233	0.000135693	0.000846	0.000363443	14.32965	1.48324E-05	0.002257642
47	P-17	51	0.000536	0.000728	0.009183	2.74536E-05	0.000162	5.71939E-05	2.777011	5.02303E-05	6.46339E-05
48	P-17	51	0.002154	0.011568	0.01291	4.39202E-05	0.001965	0.001727559	4.635132	0.000100044	0.000730267
49	P-17	51	0.00066	0.022927	0.008184	0.00014608	0.001272	0.000561571	15.42657	3.06438E-05	0.002430463
50	P-17	51	0.001465	0.062055	0.01705	0.000427144	0.003814	0.001681783	45.10784	6.80396E-05	0.007106759
51	L-18	103	0.001999	0.069454	0.024791	0.000442538	0.003854	0.001701229	46.73344	9.28326E-05	0.007362873
52	L-18	103	0.00435	0.023363	0.026074	8.87016E-05	0.003969	0.003488992	9.361148	0.000202049	0.001474853
53	L-18	103	0.001479	0.062663	0.017217	0.000431332	0.003851	0.001698271	45.55008	6.87067E-05	0.007176433
54	P-19	250	0.005258	0.007133	0.090025	0.000269153	0.001586	0.000560725	27.2256	0.000492454	0.000633666
55	P-19	250	0.010558	0.056706	0.063286	0.000215295	0.009633	0.008468428	22.72123	0.00049041	0.00357974
56	P-19	144	0.000477	0.021739	0.002911	0.000207857	0.001304	0.000559371	21.95036	2.2151E-05	0.003458289
57	P-19	144	0.000477	0.021739	0.002911	0.000207857	0.001304	0.000559371	21.95036	2.2151E-05	0.003458289
58	P-19	144	0.004136	0.175214	0.048141	0.001206055	0.010769	0.004748565	127.3633	0.000192112	0.020066144
59	P-19	144	0.003726	0.129468	0.046213	0.000824925	0.007185	0.003171223	87.11476	0.000173047	0.013724966
60	L-20	174	0.003659	0.004965	0.062657	0.00018733	0.001104	0.000390265	18.94902	0.000342748	0.000441031
61	L-20	174	0.009798	0.052624	0.05873	0.000199794	0.00894	0.007858701	21.0853	0.000455101	0.003321998
62	L-20	174	0.000397	0.018412	0.002776	0.000168647	0.001052	0.000451708	17.80971	1.84346E-05	0.002805927
63	L-21	140	0.007883	0.042341	0.047254	0.000160754	0.007193	0.006323093	16.96519	0.000366173	0.002672872
64	L-21	140	0.000639	0.029628	0.004467	0.000271386	0.001692	0.000726887	28.6593	2.96648E-05	0.004515284
65	L-21	140	0.002944	0.003995	0.050414	0.000150726	0.000888	0.000314006	15.24634	0.000275774	0.000354853
66	L-21	140	0.001811	0.062936	0.022465	0.000401005	0.003493	0.001541567	42.34745	8.41202E-05	0.006671859
67	L-01	26	0.000614	0.001077	0.013588	4.18981E-05	0.000247	8.72249E-05	4.238114	6.73119E-05	9.48044E-05
68	L-02	76	0.005384	0.009445	0.11916	0.000367414	0.002167	0.000764895	37.165	0.000590274	0.000831361
69	L-03	152	0.035892	0.062966	0.794398	0.002449426	0.014446	0.005099299	247.7667	0.00393516	0.005542409
70	L-04	333	0.058975	0.10346	1.30527	0.004024632	0.023737	0.008378619	407.1035	0.00646583	0.009106689
71	P-05	70	0.006199	0.010874	0.137191	0.000423009	0.002495	0.000880636	42.78865	0.000679592	0.00095716

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
72	P-06	40	0.003542	0.006214	0.078395	0.00024172	0.001426	0.00050322	24.45066	0.000388338	0.000546948
73	P-07	40	0.007084	0.012428	0.156789	0.000483439	0.002851	0.001006441	48.90132	0.000776676	0.001093897
74	L-08	16	0.001133	0.001988	0.025086	7.73503E-05	0.000456	0.000161031	7.824211	0.000124268	0.000175023
75	L-09	22	0.001558	0.002734	0.034494	0.000106357	0.000627	0.000221417	10.75829	0.000170869	0.000240657
76	L-10	24	0.0017	0.002983	0.037629	0.000116025	0.000684	0.000241546	11.73632	0.000186402	0.000262535
77	L-11	26	0.004605	0.008078	0.101913	0.000314236	0.001853	0.000654186	31.78586	0.00050484	0.000711033
78	L-14	122	0.018005	0.031587	0.398506	0.001228742	0.007247	0.002558037	124.2908	0.001974052	0.00278032
79	L-15	138	0.020367	0.035729	0.450769	0.001389888	0.008197	0.002893517	140.5913	0.002232944	0.003144953
80	L-16	70	0.008265	0.014499	0.182921	0.000564013	0.003326	0.001174181	57.05154	0.000906122	0.001276213
81	P-17	51	0.003011	0.005282	0.066635	0.000205462	0.001212	0.000427737	20.78306	0.000330087	0.000464906
82	L-18	103	0.007297	0.0128	0.161493	0.000497942	0.002937	0.001036634	50.36836	0.000799977	0.001126713
83	P-19	250	0.022138	0.038836	0.489966	0.001510748	0.00891	0.003145127	152.8166	0.002427113	0.003418427
84	L-20	174	0.024652	0.043248	0.545626	0.001682369	0.009922	0.003502414	170.1766	0.002702833	0.00380676
85	L-21	140	0.009918	0.017399	0.219505	0.000676815	0.003992	0.001409017	68.46184	0.001087347	0.001531455
86	P-22	18	0.000259	0.010951	0.003009	7.53784E-05	0.000673	0.000296785	7.960208	1.2007E-05	0.001254134
87	P-22	48	0.002027	0.010888	0.012151	4.13367E-05	0.00185	0.001625938	4.362477	9.41588E-05	0.00068731
88	P-22	48	0.000159	0.007246	0.00097	6.92856E-05	0.000435	0.000186457	7.316788	7.38367E-06	0.001152763
89	P-22	30	0.000194	0.006743	0.002407	4.29648E-05	0.000374	0.000165168	4.537227	9.01288E-06	0.000714842
90	P-23	36	0.000757	0.001027	0.012964	3.8758E-05	0.000228	8.07444E-05	3.920486	7.09134E-05	9.12479E-05
91	P-23	36	0.003041	0.016331	0.018226	6.2005E-05	0.002774	0.002438907	6.543715	0.000141238	0.001030965
92	P-23	36	0.000119	0.005435	0.000728	5.19642E-05	0.000326	0.000139843	5.487591	5.53776E-06	0.000864572
93	P-22	48	0.00425	0.007457	0.094073	0.000290064	0.001711	0.000603864	29.34079	0.000466006	0.000656338
94	P-23	36	0.006376	0.011185	0.14111	0.000435095	0.002566	0.000905797	44.01119	0.000699009	0.000984507
95	L-24	138	0.000893	0.031018	0.011072	0.000197638	0.001721	0.000759772	20.87125	4.14592E-05	0.003288273
96	L-24	138	0.016293	0.028583	0.360615	0.00111191	0.006558	0.002314814	112.473	0.001786355	0.002515962
97	P-25	144	0.003028	0.004109	0.051854	0.000155032	0.000913	0.000322978	15.68195	0.000283654	0.000364991
98	P-25	144	0.012163	0.065326	0.072906	0.00024802	0.011098	0.009755629	26.17486	0.000564953	0.00412386
99	P-25	72	0.000517	0.021902	0.006018	0.000150757	0.001346	0.000593571	15.92042	2.4014E-05	0.002508268
100	P-25	72	0.000466	0.016184	0.005777	0.000103116	0.000898	0.000396403	10.88935	2.16309E-05	0.001715621
101	P-26	224	0.004711	0.006392	0.080662	0.000241161	0.001421	0.00050241	24.39414	0.000441239	0.000567765
102	P-26	224	0.01892	0.101618	0.113409	0.000385809	0.017263	0.015175422	40.71645	0.000878815	0.006414893
103	P-26	132	0.000948	0.040153	0.011032	0.000276387	0.002468	0.001088213	29.18743	4.40256E-05	0.004598491
104	P-26	132	0.000854	0.02967	0.01059	0.000189045	0.001647	0.000726739	19.9638	3.96567E-05	0.003145305
105	P-25	144	0.012751	0.02237	0.28222	0.000870191	0.005132	0.001811593	88.02237	0.001398017	0.001969014
106	P-26	224	0.019835	0.034797	0.43901	0.00135363	0.007983	0.002818034	136.9237	0.002174693	0.00306291
107	P-27	202	0.004248	0.005764	0.07274	0.000217475	0.001281	0.000453066	21.99828	0.000397903	0.000512002

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
108	P-27	202	0.008531	0.045819	0.051135	0.000173959	0.007784	0.006842489	18.35876	0.000396251	0.00289243
109	P-27	150	0.000497	0.022644	0.003032	0.000216518	0.001358	0.000582678	22.86496	2.3074E-05	0.003602384
110	P-27	150	0.004308	0.182514	0.050147	0.001256307	0.011218	0.004946422	132.6701	0.000200117	0.020902233
111	P-27	150	0.00194	0.067431	0.024069	0.000429648	0.003742	0.001651679	45.37227	9.01288E-05	0.00714842
112	P-27	202	0.017887	0.03138	0.395893	0.001220684	0.007199	0.002541263	123.4758	0.001961107	0.002762089

Table 31: 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	PM10	PM2.5
1	L-01	Survey	Pickup - 1/2 Ton	Gasoline	395	2	2026	4	40	160	95	152	8	passenger	11.81022	1.193615
2	L-02	Site Development/Staging Yards	Truck - Water 4 K	Diesel	300	4	2026	8	40	320	95	304	16	vendor	23.62045	2.38723
3	L-02	Site Development/Staging Yards	Truck - Dump 10-12 Yd	Diesel	415	5	2026	10	40	400	95	380	20	hhdt	29.52556	2.984038
4	L-02	Site Development/Staging Yards	Pickup - 1/2 Ton	Gasoline	395	4	2026	8	40	320	95	304	16	passenger	23.62045	2.38723
5	L-02	Site Development/Staging Yards	Pickup - 1 Ton	Diesel	410	4	2026	8	40	320	95	304	16	passenger	23.62045	2.38723
6	L-02	Site Development/Staging Yards	Semi Truck	Diesel	500	2	2026	4	40	160	95	152	8	hhdt	11.81022	1.193615
7	L-03	Below-Grade Construction	Truck - Water 4 K	Diesel	300	2	2026	4	40	160	95	152	8	vendor	11.81022	1.193615
8	L-03	Below-Grade Construction	Pickup - 1/2 Ton	Gasoline	395	4	2026	8	40	320	95	304	16	passenger	23.62045	2.38723
9	L-03	Below-Grade Construction	Pickup - 1 Ton	Diesel	410	4	2026	8	40	320	95	304	16	passenger	23.62045	2.38723
10	L-03	Below-Grade Construction	Truck - Concrete	Diesel	425	4	2026	8	60	480	95	456	24	hhdt	35.43067	3.580845
11	L-03	Below-Grade Construction	Truck - Dump 10-12 Yd	Diesel	415	3	2026	6	40	240	95	228	12	hhdt	17.71533	1.790423
12	L-04	Above-Grade Construction	Pickup - 1/2 Ton	Gasoline	395	4	2026	8	40	320	95	304	16	passenger	23.62045	2.38723
13	L-04	Above-Grade Construction	Pickup - 1 Ton	Diesel	410	4	2026	8	40	320	95	304	16	passenger	23.62045	2.38723
14	L-04	Above-Grade Construction	Welding Truck	Diesel	395	2	2026	4	40	160	95	152	8	vendor	11.81022	1.193615
15	P-05	Foundation Installation	Truck - Concrete	Diesel	425	4	2026	8	60	480	95	456	24	hhdt	35.43067	3.580845
16	P-05	Foundation Installation	Pickup - 1 Ton	Diesel	410	4	2026	8	60	480	95	456	24	passenger	35.43067	3.580845
17	P-05	Foundation Installation	Truck - Water 4 K	Diesel	300	2	2026	4	60	240	95	228	12	vendor	17.71533	1.790423
18	P-05	Foundation Installation	Truck - Dump 10-12 Yd	Diesel	415	2	2026	4	40	160	95	152	8	hhdt	11.81022	1.193615
19	P-06	Structure Installation	Pickup - 1/2 ton	Gasoline	395	2	2026	4	40	160	95	152	8	passenger	11.81022	1.193615
20	P-06	Structure Installation	Pickup - 1 ton	Diesel	410	2	2026	4	60	240	95	228	12	passenger	17.71533	1.790423
21	P-06	Structure Installation	Truck - Water 4 K	Diesel	300	2	2026	4	60	240	95	228	12	vendor	17.71533	1.790423
22	P-06	Structure Installation	Jet Fuel Truck	Diesel	300	1	2026	2	40	80	95	76	4	vendor	5.905111	0.596808
23	P-07	Conductor Installation	Jet Fuel Truck	Diesel	300	1	2026	2	40	80	95	76	4	vendor	5.905111	0.596808
24	P-07	Conductor Installation	Pickup - 1/2 ton	Gasoline	395	4	2026	8	40	320	95	304	16	passenger	23.62045	2.38723
25	P-07	Conductor Installation	Pickup - 1 Ton	Diesel	410	4	2026	8	60	480	95	456	24	passenger	35.43067	3.580845
26	P-07	Conductor Installation	Truck - Water 4 K	Diesel	300	2	2026	4	60	240	95	228	12	vendor	17.71533	1.790423
27	L-08	Access Road Construction	Pickup - 1/2 ton	Gasoline	395	2	2026	4	40	160	95	152	8	passenger	11.81022	1.193615
28	L-08	Access Road Construction	Pickup - 1 ton	Diesel	410	2	2026	4	40	160	95	152	8	passenger	11.81022	1.193615
29	L-08	Access Road Construction	Truck - Dump 10-12 Yd	Diesel	415	2	2026	4	40	160	95	152	8	hhdt	11.81022	1.193615
30	L-08	Access Road Construction	Truck - Water 4 K	Diesel	300	2	2026	4	40	160	95	152	8	vendor	11.81022	1.193615
31	L-09	Foundation Installation	Truck - Concrete	Diesel	425	4	2026	8	60	480	95	456	24	hhdt	35.43067	3.580845
32	L-09	Foundation Installation	Pickup - 1 Ton	Diesel	410	4	2026	8	40	320	95	304	16	passenger	23.62045	2.38723
33	L-09	Foundation Installation	Truck - Water 4 K	Diesel	300	2	2026	4	40	160	95	152	8	vendor	11.81022	1.193615
34	L-09	Foundation Installation	Truck - Dump 10-12 Yd	Diesel	415	2	2026	4	40	160	95	152	8	hhdt	11.81022	1.193615
35	L-10	Structure Installation	Pickup - 1/2 ton	Gasoline	395	2	2026	4	40	160	95	152	8	passenger	11.81022	1.193615
36	L-10	Structure Installation	Pickup - 1 ton	Diesel	410	2	2026	4	40	160	95	152	8	passenger	11.81022	1.193615
37	L-10	Structure Installation	Truck - Water 4 K	Diesel	300	2	2026	4	40	160	95	152	8	vendor	11.81022	1.193615
38	L-11	Conductor Installation	Jet Fuel Truck	Diesel	300	1	2026	2	60	120	95	114	6	vendor	8.857667	0.895211
39	L-11	Conductor Installation	Pickup - 1/2 ton	Gasoline	395	4	2026	8	40	320	95	304	16	passenger	23.62045	2.38723
40	L-11	Conductor Installation	Pickup - 1 Ton	Diesel	410	4	2026	8	40	320	95	304	16	passenger	23.62045	2.38723
41	L-11	Conductor Installation	Truck - Water 4 K	Diesel	300	2	2026	4	40	160	95	152	8	vendor	11.81022	1.193615
42	L-15	Southern Transition Approach Construction	Truck - Dump 10-12 Yd	Diesel	415	4	2026	8	40	320	95	304	16	hhdt	23.62045	2.38723
43	L-15	Southern Transition Approach Construction	Onshore Trucks	Diesel	300	4	2026	8	60	480	95	456	24	vendor	35.43067	3.580845
44	L-16	Substation Getaways	Pickup - 1/2 Ton	Gasoline	395	4	2026	8	40	320	95	304	16	passenger	23.62045	2.38723
45	L-16	Substation Getaways	Pickup - 1 Ton	Diesel	410	4	2026	8	40	320	95	304	16	passenger	23.62045	2.38723
46	L-16	Substation Getaways	Welding Truck	Diesel	395	2	2026	4	40	160	95	152	8	vendor	11.81022	1.193615
47	P-17	Distribution Extension to Substation	Pickup - 1/2 ton	Gasoline	395	2	2026	4	40	160	95	152	8	passenger	11.81022	1.193615
48	P-17	Distribution Extension to Substation	Pickup - 1 Ton	Diesel	410	2	2026	4	60	240	95	228	12	passenger	17.71533	1.790423
49	P-17	Distribution Extension to Substation	Truck - Dump 10-12 Yd	Diesel	415	2	2026	4	40	160	95	152	8	hhdt	11.81022	1.193615
50	P-17	Distribution Extension to Substation	Truck - Concrete	Diesel	425	4	2026	8	60	480	95	456	24	hhdt	35.43067	3.580845
51	L-18	Fiber Extension to Substation	Truck - Dump 10-12 Yd	Diesel	415	3	2026	6	40	240	95	228	12	hhdt	17.71533	1.790423
52	L-18	Fiber Extension to Substation	Pickup - 1 Ton	Diesel	410	3	2026	6	40	240	95	228	12	passenger	17.71533	1.790423
53	L-18	Fiber Extension to Substation	Truck - Concrete	Diesel	425	2	2026	4	60	240	95	228	12	hhdt	17.71533	1.790423
54	P-19	Pittsburg Substation Upgrades	Pickup - 1/2 Ton	Gasoline	395	4	2026	8	40	320	95	304	16	passenger	23.62045	2.38723
55	P-19	Pittsburg Substation Upgrades	Pickup - 1 Ton	Diesel	410	2	2026	4	60	240	95	228	12	passenger	17.71533	1.790423
56	P-19	Pittsburg Substation Upgrades	Welding Truck	Diesel	395	1	2026	2	60	120	95	114	6	vendor	8.857667	0.895211
57	P-19	Pittsburg Substation Upgrades	Truck - Water 4 K	Diesel	300	1	2026	2	60	120	95	114	6	vendor	8.857667	0.895211
58	P-19	Pittsburg Substation Upgrades	Truck - Concrete	Diesel	425	4	2026	8	60	480	95	456	24	hhdt	35.43067	3.580845
59	P-19	Pittsburg Substation Upgrades	Truck - Dump 10-12 Yd	Diesel	415	4	2026	8	40	320	95	304	16	hhdt	23.62045	2.38723
60	L-20	Commissioning and Testing	Pickup - 1/2 Ton	Gasoline	395	4	2026	8	40	320	95	304	16	passenger	23.62045	2.38723
61	L-20	Commissioning and Testing	Pickup - 1 Ton	Diesel	410	4	2026	8	40	320	95	304	16	passenger	23.62045	2.38723
62	L-20	Commissioning and Testing	Truck - Water 4 K	Diesel	300	1	2026	2	40	80	95	76	4	vendor	5.905111	0.596808
63	L-21	Cleanup and Restoration	Pickup - 1 Ton	Diesel	410	4	2026	8	40	320	95	304	16	passenger	23.62045	2.38723
64	L-21	Cleanup and Restoration	Truck - Water 4 K	Diesel	300	2	2026	4	40	160	95	152	8	vendor	11.81022	1.193615
65	L-21	Cleanup and Restoration	Pickup - 1/2 Ton	Gasoline	395	4	2026	8	40	320	95	304	16	passenger	23.62045	2.38723
66	L-21	Cleanup and Restoration	Truck - Dump 10-12 Yd	Diesel	415	2	2026	4	40	160	95	152	8	hhdt	11.81022	1.193615
67	L-01	Survey	Worker Commute	Gasoline	NA	4	2026	8	60	480	100	480	0	passenger	0.317538	0.079384
68	L-02	Site Development/Staging Yards	Worker Commute	Gasoline	NA	12	2026	24	60	1440	100	1440	0	passenger	0.952613	0.238153
69	L-03	Below-Grade Construction	Worker Commute	Gasoline	NA	40	2026	80	60	4800	100	4800	0	passenger	3.175376	0.793844
70	L-04	Above-Grade Construction	Worker Commute	Gasoline	NA	30	2026	60	60	3600	100	3600	0	passenger	2.381532	0.595383
71	P-05	Foundation Installation	Worker Commute	Gasoline	NA	15	2026	30	60	1800	100	1800	0	passenger	1.190766	0.297691
72	P-06	Structure Installation	Worker Commute	Gasoline	NA	15	2026	30	60	1800	100	1800	0	passenger	1.190766	0.297691
73	P-07	Conductor Installation	Worker Commute	Gasoline	NA	30	2026	60	60	3600	100	3600	0	passenger	2.381532	0.595383
74	L-08	Access Road Construction	Worker Commute	Gasoline	NA	12	2026	24	60	1440	100	1440	0	passenger	0.952613	0.238153
75	L-09	Foundation Installation	Worker Commute	Gasoline	NA	12	2026	24	60	1440	100	1440	0	passenger	0.952613	0.238153
76	L-10	Structure Installation	Worker Commute	Gasoline	NA	12	2026	24	60	1440	100	1440	0	passenger	0.952613	0.238153
77	L-11	Conductor Installation	Worker Commute	Gasoline	NA	30	2026	60	60	3600	100	3600	0	passenger	2.381532	0.595383
78	L-14	Submarine Cable Installation	Worker Commute	Gasoline	NA	25	2026	50	60	3000	100	3000	0	passenger	1.98461	0.496152
79	L-15	Southern Transition Approach Construction	Worker Commute	Gasoline	NA	25	2026	50	60	3000	100	3000	0	passenger	1.98461	0.496152
80	L-16	Substation Getaways	Worker Commute	Gasoline	NA	20	2026	40	60	2400	100	2400	0	passenger	1.587688	0.396922
81	P-17	Distribution Extension to Substation	Worker Commute	Gasoline	NA	10	2026	20	60	1200	100	1200	0	passenger	0.793844	0.198461
82	L-18	Fiber Extension to Substation	Worker Commute	Gasoline	NA	12	2026	24	60	1440	100	1440	0	passenger	0.952613	0.238153
83	P-19	Pittsburg Substation Upgrades	Worker Commute	Gasoline	NA	15	2026	30	60	1800	100	1800	0	passenger	1.190766	0.297691
84	L-20	Commissioning and Testing	Worker Commute	Gasoline	NA	24	2026	48	60	2880	100	2880	0	passenger	1.905225	0.476306
85	L-21	Cleanup and Restoration	Worker Commute	Gasoline	NA	12	2026	24	60	1440	100	1440	0	passenger	0.952613	0.238153
86	P-22	Foundation Installation	Truck - Concrete	Diesel	425	2	2026	4	60	240	95	228	12	hhdt	17.71533	1.790423
87	P-22	Foundation Installation	Pickup - 1 Ton	Diesel	410	2	2026	4	60	240	95	228	12	passenger	17.71533	1.790423
88	P-22	Foundation Installation	Truck - Water 4 K	Diesel	300	1	2026	2	60	120	95	114	6	vendor	8.857667	0.895211
89	P-22	Foundation Installation	Truck - Dump 10-12 Yd	Diesel	415	1	2026	2	40	80	95	76	4	hhdt	5.905111	0.596808

Table 32: On-Road Uncontrolled Dust Emissions (tons)

Count	Activity Index	Days Used	PM10	PM2.5
1	L-01	26	0.153533	0.015517
2	L-02	76	0.897577	0.090715
3	L-02	76	1.121971	0.113393
4	L-02	76	0.897577	0.090715
5	L-02	76	0.897577	0.090715
6	L-02	76	0.448788	0.045357
7	L-03	152	0.897577	0.090715
8	L-03	152	1.795154	0.181429
9	L-03	152	1.795154	0.181429
10	L-03	152	2.692731	0.272144
11	L-03	152	1.346365	0.136072
12	L-04	333	3.932804	0.397474
13	L-04	333	3.932804	0.397474
14	L-04	333	1.966402	0.198737
15	P-05	54	0.956628	0.096683
16	P-05	70	1.240073	0.12533
17	P-05	70	0.620037	0.062665
18	P-05	20	0.118102	0.011936
19	P-06	40	0.236204	0.023872
20	P-06	40	0.354307	0.035808
21	P-06	40	0.354307	0.035808
22	P-06	13	0.038383	0.003879
23	P-07	12	0.035431	0.003581
24	P-07	40	0.472409	0.047745
25	P-07	40	0.708613	0.071617
26	P-07	40	0.354307	0.035808
27	L-08	16	0.094482	0.009549
28	L-08	16	0.094482	0.009549
29	L-08	16	0.094482	0.009549
30	L-08	16	0.094482	0.009549
31	L-09	22	0.389737	0.039389
32	L-09	22	0.259825	0.02626
33	L-09	22	0.129912	0.01313
34	L-09	22	0.129912	0.01313
35	L-10	24	0.141723	0.014323
36	L-10	24	0.141723	0.014323
37	L-10	24	0.141723	0.014323
38	L-11	26	0.11515	0.011638
39	L-11	26	0.307066	0.031034
40	L-11	26	0.307066	0.031034
41	L-11	26	0.153533	0.015517
42	L-15	138	1.629811	0.164719
43	L-15	138	2.444716	0.247078
44	L-16	70	0.826716	0.083553
45	L-16	70	0.826716	0.083553
46	L-16	70	0.413358	0.041777
47	P-17	51	0.301161	0.030437
48	P-17	51	0.451741	0.045656
49	P-17	51	0.301161	0.030437
50	P-17	51	0.903482	0.091312
51	L-18	103	0.91234	0.092207
52	L-18	103	0.91234	0.092207
53	L-18	103	0.91234	0.092207
54	P-19	250	2.952556	0.298404
55	P-19	250	2.214417	0.223803
56	P-19	144	0.637752	0.064455
57	P-19	144	0.637752	0.064455
58	P-19	144	2.551008	0.257821
59	P-19	144	1.700672	0.171881
60	L-20	174	2.054979	0.207689
61	L-20	174	2.054979	0.207689
62	L-20	174	0.513745	0.051922
63	L-21	140	1.653431	0.167106
64	L-21	140	0.826716	0.083553
65	L-21	140	1.653431	0.167106
66	L-21	140	0.826716	0.083553
67	L-01	26	0.004128	0.001032
68	L-02	76	0.036199	0.00905
69	L-03	152	0.241329	0.060332
70	L-04	333	0.396525	0.099131
71	P-05	70	0.041677	0.010419
72	P-06	40	0.023815	0.005954
73	P-07	40	0.047631	0.011908
74	L-08	16	0.007621	0.001905
75	L-09	22	0.010479	0.00262
76	L-10	24	0.011431	0.002858
77	L-11	26	0.03096	0.00774
78	L-14	122	0.121061	0.030265
79	L-15	138	0.136938	0.034235
80	L-16	70	0.055569	0.013892
81	P-17	51	0.020243	0.005061
82	L-18	103	0.04906	0.012265
83	P-19	250	0.148846	0.037211
84	L-20	174	0.165755	0.041439
85	L-21	140	0.066683	0.016671
86	P-22	18	0.159438	0.016114
87	P-22	48	0.425168	0.04297
88	P-22	48	0.212584	0.021485
89	P-22	30	0.088577	0.008952

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	PM10	PM2.5
90	P-23	Structure and Conductor Installation	Pickup - 1/2 ton	Gasoline	395	4	2026	8	40	320	95	304	16	passenger	23.62045	2.38723
91	P-23	Structure and Conductor Installation	Pickup - 1 ton	Diesel	410	4	2026	8	60	480	95	456	24	passenger	35.43067	3.580845
92	P-23	Structure and Conductor Installation	Truck - Water 4 K	Diesel	300	1	2026	2	60	120	95	114	6	vendor	8.857667	0.895211
93	P-22	Foundation Installation	Worker Commute	Gasoline	NA	15	2026	30	60	1800	100	1800	0	passenger	1.190766	0.297691
94	P-23	Structure and Conductor Installation	Worker Commute	Gasoline	NA	30	2026	60	60	3600	100	3600	0	passenger	2.381532	0.595383
95	L-24	Northern Transition Approach Construction	Truck - Dump 10-12 Yd	Diesel	415	1	2026	2	40	80	95	76	4	hhdt	5.905111	0.596808
96	L-24	Northern Transition Approach Construction	Worker Commute	Gasoline	NA	20	2026	40	60	2400	100	2400	0	passenger	1.587688	0.396922
97	P-25	Tesla Substation Upgrades	Pickup - 1/2 Ton	Gasoline	395	4	2026	8	40	320	95	304	16	passenger	23.62045	2.38723
98	P-25	Tesla Substation Upgrades	Pickup - 1 Ton	Diesel	410	4	2026	8	60	480	95	456	24	passenger	35.43067	3.580845
99	P-25	Tesla Substation Upgrades	Truck - Concrete	Diesel	425	1		2	60	120	95	114	6	hhdt	8.857667	0.895211
100	P-25	Tesla Substation Upgrades	Truck - Dump 10-12 Yd	Diesel	415	1		2	40	80	95	76	4	hhdt	5.905111	0.596808
101	P-26	Vaca Dixon Substation Upgrades	Pickup - 1/2 Ton	Gasoline	395	4		8	40	320	95	304	16	passenger	23.62045	2.38723
102	P-26	Vaca Dixon Substation Upgrades	Pickup - 1 Ton	Diesel	410	4		8	60	480	95	456	24	passenger	35.43067	3.580845
103	P-26	Vaca Dixon Substation Upgrades	Truck - Concrete	Diesel	425	1		2	60	120	95	114	6	hhdt	8.857667	0.895211
104	P-26	Vaca Dixon Substation Upgrades	Truck - Dump 10-12 Yd	Diesel	415	1		2	40	80	95	76	4	hhdt	5.905111	0.596808
105	P-25	Tesla Substation Upgrades	Worker Commute	Gasoline	NA	15		30	60	1800	100	1800	0	passenger	1.190766	0.297691
106	P-26	Vaca Dixon Substation Upgrades	Worker Commute	Gasoline	NA	15		30	60	1800	100	1800	0	passenger	1.190766	0.297691
107	P-27	PG&E IT Work	Pickup - 1/2 Ton	Gasoline	395	4		8	40	320	95	304	16	passenger	23.62045	2.38723
108	P-27	PG&E IT Work	Pickup - 1 Ton	Diesel	410	2		4	60	240	95	228	12	passenger	17.71533	1.790423
109	P-27	PG&E IT Work	Truck - Water 4 K	Diesel	300	1		2	60	120	95	114	6	vendor	8.857667	0.895211
110	P-27	PG&E IT Work	Truck - Concrete	Diesel	425	4		8	60	480	95	456	24	hhdt	35.43067	3.580845
111	P-27	PG&E IT Work	Truck - Dump 10-12 Yd	Diesel	415	2		4	40	160	95	152	8	hhdt	11.81022	1.193615
112	P-27	PG&E IT Work	Worker Commute	Gasoline	NA	15		30	60	1800	100	1800	0	passenger	1.190766	0.297691

Count	Activity Index	Days Used	PM10	PM2.5
90	P-23	36	0.425168	0.04297
91	P-23	36	0.637752	0.064455
92	P-23	36	0.159438	0.016114
93	P-22	48	0.028578	0.007145
94	P-23	36	0.042868	0.010717
95	L-24	138	0.407453	0.04118
96	L-24	138	0.10955	0.027388
97	P-25	144	1.700672	0.171881
98	P-25	144	2.551008	0.257821
99	P-25	72	0.318876	0.032228
100	P-25	72	0.212584	0.021485
101	P-26	224	2.64549	0.26737
102	P-26	224	3.968235	0.401055
103	P-26	132	0.584606	0.059084
104	P-26	132	0.389737	0.039389
105	P-25	144	0.085735	0.021434
106	P-26	224	0.133366	0.033341
107	P-27	202	2.385665	0.24111
108	P-27	202	1.789249	0.180833
109	P-27	150	0.664325	0.067141
110	P-27	150	2.6573	0.268563
111	P-27	150	0.885767	0.089521
112	P-27	202	0.120267	0.030067

Table 33: 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	PM10	PM2.5
1	L-01	Survey	Pickup - 1/2 Ton	Gasoline	395	2	2026	4	40	160	95	152	8	passenger	3.05139	0.319595
2	L-02	Site Development/Staging Yards	Truck - Water 4 K	Diesel	300	4	2026	8	40	320	95	304	16	vendor	6.102781	0.639189
3	L-02	Site Development/Staging Yards	Truck - Dump 10-12 Yd	Diesel	415	5	2026	10	40	400	95	380	20	hhdt	7.628476	0.798986
4	L-02	Site Development/Staging Yards	Pickup - 1/2 Ton	Gasoline	395	4	2026	8	40	320	95	304	16	passenger	6.102781	0.639189
5	L-02	Site Development/Staging Yards	Pickup - 1 Ton	Diesel	410	4	2026	8	40	320	95	304	16	passenger	6.102781	0.639189
6	L-02	Site Development/Staging Yards	Semi Truck	Diesel	500	2	2026	4	40	160	95	152	8	hhdt	3.05139	0.319595
7	L-03	Below-Grade Construction	Truck - Water 4 K	Diesel	300	2	2026	4	40	160	95	152	8	vendor	3.05139	0.319595
8	L-03	Below-Grade Construction	Pickup - 1/2 Ton	Gasoline	395	4	2026	8	40	320	95	304	16	passenger	6.102781	0.639189
9	L-03	Below-Grade Construction	Pickup - 1 Ton	Diesel	410	4	2026	8	40	320	95	304	16	passenger	6.102781	0.639189
10	L-03	Below-Grade Construction	Truck - Concrete	Diesel	425	4	2026	8	60	480	95	456	24	hhdt	9.154171	0.958784
11	L-03	Below-Grade Construction	Truck - Dump 10-12 Yd	Diesel	415	3	2026	6	40	240	95	228	12	hhdt	4.577085	0.479392
12	L-04	Above-Grade Construction	Pickup - 1/2 Ton	Gasoline	395	4	2026	8	40	320	95	304	16	passenger	6.102781	0.639189
13	L-04	Above-Grade Construction	Pickup - 1 Ton	Diesel	410	4	2026	8	40	320	95	304	16	passenger	6.102781	0.639189
14	L-04	Above-Grade Construction	Welding Truck	Diesel	395	2	2026	4	40	160	95	152	8	vendor	3.05139	0.319595
15	P-05	Foundation Installation	Truck - Concrete	Diesel	425	4	2026	8	60	480	95	456	24	hhdt	9.154171	0.958784
16	P-05	Foundation Installation	Pickup - 1 Ton	Diesel	410	4	2026	8	60	480	95	456	24	passenger	9.154171	0.958784
17	P-05	Foundation Installation	Truck - Water 4 K	Diesel	300	2	2026	4	60	240	95	228	12	vendor	4.577085	0.479392
18	P-05	Foundation Installation	Truck - Dump 10-12 Yd	Diesel	415	2	2026	4	40	160	95	152	8	hhdt	3.05139	0.319595
19	P-06	Structure Installation	Pickup - 1/2 ton	Gasoline	395	2	2026	4	40	160	95	152	8	passenger	3.05139	0.319595
20	P-06	Structure Installation	Pickup - 1 ton	Diesel	410	2	2026	4	60	240	95	228	12	passenger	4.577085	0.479392
21	P-06	Structure Installation	Truck - Water 4 K	Diesel	300	2	2026	4	60	240	95	228	12	vendor	4.577085	0.479392
22	P-06	Structure Installation	Jet Fuel Truck	Diesel	300	1	2026	2	40	80	95	76	4	vendor	1.525695	0.159797
23	P-07	Conductor Installation	Jet Fuel Truck	Diesel	300	1	2026	2	40	80	95	76	4	vendor	1.525695	0.159797
24	P-07	Conductor Installation	Pickup - 1/2 ton	Gasoline	395	4	2026	8	40	320	95	304	16	passenger	6.102781	0.639189
25	P-07	Conductor Installation	Pickup - 1 Ton	Diesel	410	4	2026	8	60	480	95	456	24	passenger	9.154171	0.958784
26	P-07	Conductor Installation	Truck - Water 4 K	Diesel	300	2	2026	4	60	240	95	228	12	vendor	4.577085	0.479392
27	L-08	Access Road Construction	Pickup - 1/2 ton	Gasoline	395	2	2026	4	40	160	95	152	8	passenger	3.05139	0.319595
28	L-08	Access Road Construction	Pickup - 1 ton	Diesel	410	2	2026	4	40	160	95	152	8	passenger	3.05139	0.319595
29	L-08	Access Road Construction	Truck - Dump 10-12 Yd	Diesel	415	2	2026	4	40	160	95	152	8	hhdt	3.05139	0.319595
30	L-08	Access Road Construction	Truck - Water 4 K	Diesel	300	2	2026	4	40	160	95	152	8	vendor	3.05139	0.319595
31	L-09	Foundation Installation	Truck - Concrete	Diesel	425	4	2026	8	60	480	95	456	24	hhdt	9.154171	0.958784
32	L-09	Foundation Installation	Pickup - 1 Ton	Diesel	410	4	2026	8	40	320	95	304	16	passenger	6.102781	0.639189
33	L-09	Foundation Installation	Truck - Water 4 K	Diesel	300	2	2026	4	40	160	95	152	8	vendor	3.05139	0.319595
34	L-09	Foundation Installation	Truck - Dump 10-12 Yd	Diesel	415	2	2026	4	40	160	95	152	8	hhdt	3.05139	0.319595
35	L-10	Structure Installation	Pickup - 1/2 ton	Gasoline	395	2	2026	4	40	160	95	152	8	passenger	3.05139	0.319595
36	L-10	Structure Installation	Pickup - 1 ton	Diesel	410	2	2026	4	40	160	95	152	8	passenger	3.05139	0.319595
37	L-10	Structure Installation	Truck - Water 4 K	Diesel	300	2	2026	4	40	160	95	152	8	vendor	3.05139	0.319595
38	L-11	Conductor Installation	Jet Fuel Truck	Diesel	300	1	2026	2	60	120	95	114	6	vendor	2.288543	0.239696
39	L-11	Conductor Installation	Pickup - 1/2 ton	Gasoline	395	4	2026	8	40	320	95	304	16	passenger	6.102781	0.639189
40	L-11	Conductor Installation	Pickup - 1 Ton	Diesel	410	4	2026	8	40	320	95	304	16	passenger	6.102781	0.639189
41	L-11	Conductor Installation	Truck - Water 4 K	Diesel	300	2	2026	4	40	160	95	152	8	vendor	3.05139	0.319595
42	L-15	Southern Transition Approach Construction	Truck - Dump 10-12 Yd	Diesel	415	4	2026	8	40	320	95	304	16	hhdt	6.102781	0.639189
43	L-15	Southern Transition Approach Construction	Onshore Trucks	Diesel	300	4	2026	8	60	480	95	456	24	vendor	9.154171	0.958784
44	L-16	Substation Getaways	Pickup - 1/2 Ton	Gasoline	395	4	2026	8	40	320	95	304	16	passenger	6.102781	0.639189
45	L-16	Substation Getaways	Pickup - 1 Ton	Diesel	410	4	2026	8	40	320	95	304	16	passenger	6.102781	0.639189
46	L-16	Substation Getaways	Welding Truck	Diesel	395	2	2026	4	40	160	95	152	8	vendor	3.05139	0.319595
47	P-17	Distribution Extension to Substation	Pickup - 1/2 ton	Gasoline	395	2	2026	4	40	160	95	152	8	passenger	3.05139	0.319595
48	P-17	Distribution Extension to Substation	Pickup - 1 Ton	Diesel	410	2	2026	4	60	240	95	228	12	passenger	4.577085	0.479392
49	P-17	Distribution Extension to Substation	Truck - Dump 10-12 Yd	Diesel	415	2	2026	4	40	160	95	152	8	hhdt	3.05139	0.319595
50	P-17	Distribution Extension to Substation	Truck - Concrete	Diesel	425	4	2026	8	60	480	95	456	24	hhdt	9.154171	0.958784
51	L-18	Fiber Extension to Substation	Truck - Dump 10-12 Yd	Diesel	415	3	2026	6	40	240	95	228	12	hhdt	4.577085	0.479392
52	L-18	Fiber Extension to Substation	Pickup - 1 Ton	Diesel	410	3	2026	6	40	240	95	228	12	passenger	4.577085	0.479392
53	L-18	Fiber Extension to Substation	Truck - Concrete	Diesel	425	2	2026	4	60	240	95	228	12	hhdt	4.577085	0.479392
54	P-19	Pittsburg Substation Upgrades	Pickup - 1/2 Ton	Gasoline	395	4	2026	8	40	320	95	304	16	passenger	6.102781	0.639189
55	P-19	Pittsburg Substation Upgrades	Pickup - 1 Ton	Diesel	410	2	2026	4	60	240	95	228	12	passenger	4.577085	0.479392
56	P-19	Pittsburg Substation Upgrades	Welding Truck	Diesel	395	1	2026	2	60	120	95	114	6	vendor	2.288543	0.239696
57	P-19	Pittsburg Substation Upgrades	Truck - Water 4 K	Diesel	300	1	2026	2	60	120	95	114	6	vendor	2.288543	0.239696
58	P-19	Pittsburg Substation Upgrades	Truck - Concrete	Diesel	425	4	2026	8	60	480	95	456	24	hhdt	9.154171	0.958784
59	P-19	Pittsburg Substation Upgrades	Truck - Dump 10-12 Yd	Diesel	415	4	2026	8	40	320	95	304	16	hhdt	6.102781	0.639189
60	L-20	Commissioning and Testing	Pickup - 1/2 Ton	Gasoline	395	4	2026	8	40	320	95	304	16	passenger	6.102781	0.639189
61	L-20	Commissioning and Testing	Pickup - 1 Ton	Diesel	410	4	2026	8	40	320	95	304	16	passenger	6.102781	0.639189
62	L-20	Commissioning and Testing	Truck - Water 4 K	Diesel	300	1	2026	2	40	80	95	76	4	vendor	1.525695	0.159797
63	L-21	Cleanup and Restoration	Pickup - 1 Ton	Diesel	410	4	2026	8	40	320	95	304	16	passenger	6.102781	0.639189
64	L-21	Cleanup and Restoration	Truck - Water 4 K	Diesel	300	2	2026	4	40	160	95	152	8	vendor	3.05139	0.319595
65	L-21	Cleanup and Restoration	Pickup - 1/2 Ton	Gasoline	395	4	2026	8	40	320	95	304	16	passenger	6.102781	0.639189
66	L-21	Cleanup and Restoration	Truck - Dump 10-12 Yd	Diesel	415	2	2026	4	40	160	95	152	8	hhdt	3.05139	0.319595
67	L-01	Survey	Worker Commute	Gasoline	NA	4	2026	8	60	480	100	480	0	passenger	0.317538	0.079384
68	L-02	Site Development/Staging Yards	Worker Commute	Gasoline	NA	12	2026	24	60	1440	100	1440	0	passenger	0.952613	0.238153
69	L-03	Below-Grade Construction	Worker Commute	Gasoline	NA	40	2026	80	60	4800	100	4800	0	passenger	3.175376	0.793844
70	L-04	Above-Grade Construction	Worker Commute	Gasoline	NA	30	2026	60	60	3600	100	3600	0	passenger	2.381532	0.595383
71	P-05	Foundation Installation	Worker Commute	Gasoline	NA	15	2026	30	60	1800	100	1800	0	passenger	1.190766	0.297691
72	P-06	Structure Installation	Worker Commute	Gasoline	NA	15	2026	30	60	1800	100	1800	0	passenger	1.190766	0.297691
73	P-07	Conductor Installation	Worker Commute	Gasoline	NA	30	2026	60	60	3600	100	3600	0	passenger	2.381532	0.595383
74	L-08	Access Road Construction	Worker Commute	Gasoline	NA	12	2026	24	60	1440	100	1440	0	passenger	0.952613	0.238153
75	L-09	Foundation Installation	Worker Commute	Gasoline	NA	12	2026	24	60	1440	100	1440	0	passenger	0.952613	0.238153
76	L-10	Structure Installation	Worker Commute	Gasoline	NA	12	2026	24	60	1440	100	1440	0	passenger	0.952613	0.238153
77	L-11	Conductor Installation	Worker Commute	Gasoline	NA	30	2026	60	60	3600	100	3600	0	passenger	2.381532	0.595383
78	L-14	Submarine Cable Installation	Worker Commute	Gasoline	NA	25	2026	50	60	3000	100	3000	0	passenger	1.98461	0.496152
79	L-15	Southern Transition Approach Construction	Worker Commute	Gasoline	NA	25	2026	50	60	3000	100	3000	0	passenger	1.98461	0.496152
80	L-16	Substation Getaways	Worker Commute	Gasoline	NA	20	2026	40	60	2400	100	2400	0	passenger	1.587688	0.396922
81	P-17	Distribution Extension to Substation	Worker Commute	Gasoline	NA	10	2026	20	60	1200	100	1200	0	passenger	0.793844	0.198461
82	L-18	Fiber Extension to Substation	Worker Commute	Gasoline	NA	12	2026	24	60	1440	100	1440	0	passenger	0.952613	0.238153
83	P-19	Pittsburg Substation Upgrades	Worker Commute	Gasoline	NA	15	2026	30	60	1800	100	1800	0	passenger	1.190766	0.297691
84	L-20	Commissioning and Testing	Worker Commute	Gasoline	NA	24	2026	48	60	2880	100	2880	0	passenger	1.905225	0.476306
85	L-21	Cleanup and Restoration	Worker Commute	Gasoline	NA	12	2026	24	60	1440	100	1440	0	passenger	0.952613	0.238153
86	P-22	Foundation Installation	Truck - Concrete	Diesel	425	2	2026	4	60	240	95	228	12	hhdt	4.577085	0.479392
87	P-22	Foundation Installation	Pickup - 1 Ton	Diesel	410	2	2026	4	60	240	95	228	12	passenger	4.577085	0.479392
88	P-22	Foundation Installation	Truck - Water 4 K	Diesel	300	1	2026	2	60	120	95	114	6	vendor	2.288543	0.239696
89	P-22	Foundation Installation	Truck - Dump 10-12 Yd	Diesel	415	1	2026	2	40	80	95	76	4	hhdt	1.525695	0.159797

Table 34: On-Road Controlled Dust Emissions (tons)

Count	Activity Index	Days Used	PM10	PM2.5
1	L-01	26	0.039668	0.004155
2	L-02	76	0.231906	0.024289
3	L-02	76	0.289882	0.030361
4	L-02	76	0.231906	0.024289
5	L-02	76	0.231906	0.024289
6	L-02	76	0.115953	0.012145
7	L-03	152	0.231906	0.024289
8	L-03	152	0.463811	0.048578
9	L-03	152	0.463811	0.048578
10	L-03	152	0.695717	0.072868
11	L-03	152	0.347858	0.036434
12	L-04	333	1.016113	0.106425
13	L-04	333	1.016113	0.106425
14	L-04	333	0.508056	0.053212
15	P-05	54	0.247163	0.025887
16	P-05	70	0.320396	0.033557
17	P-05	70	0.160198	0.016779
18	P-05	20	0.030514	0.003196
19	P-06	40	0.061028	0.006392
20	P-06	40	0.091542	0.009588
21	P-06	40	0.091542	0.009588
22	P-06	13	0.009917	0.001039
23	P-07	12	0.009154	0.000959
24	P-07	40	0.122056	0.012784
25	P-07	40	0.183083	0.019176
26	P-07	40	0.091542	0.009588
27	L-08	16	0.024411	0.002557
28	L-08	16	0.024411	0.002557
29	L-08	16	0.024411	0.002557
30	L-08	16	0.024411	0.002557
31	L-09	22	0.100696	0.010547
32	L-09	22	0.067131	0.007031
33	L-09	22	0.033565	0.003516
34	L-09	22	0.033565	0.003516
35	L-10	24	0.036617	0.003835
36	L-10	24	0.036617	0.003835
37	L-10	24	0.036617	0.003835
38	L-11	26	0.029751	0.003116
39	L-11	26	0.079336	0.008309
40	L-11	26	0.079336	0.008309
41	L-11	26	0.039668	0.004155
42	L-15	138	0.421092	0.044104
43	L-15	138	0.631638	0.066156
44	L-16	70	0.213597	0.022372
45	L-16	70	0.213597	0.022372
46	L-16	70	0.106799	0.011186
47	P-17	51	0.07781	0.00815
48	P-17	51	0.116716	0.012224
49	P-17	51	0.07781	0.00815
50	P-17	51	0.233431	0.024449
51	L-18	103	0.23572	0.024689
52	L-18	103	0.23572	0.024689
53	L-18	103	0.23572	0.024689
54	P-19	250	0.762848	0.079899
55	P-19	250	0.572136	0.059924
56	P-19	144	0.164775	0.017258
57	P-19	144	0.164775	0.017258
58	P-19	144	0.6591	0.069032
59	P-19	144	0.4394	0.046022
60	L-20	174	0.530942	0.055609
61	L-20	174	0.530942	0.055609
62	L-20	174	0.132735	0.013902
63	L-21	140	0.427195	0.044743
64	L-21	140	0.213597	0.022372
65	L-21	140	0.427195	0.044743
66	L-21	140	0.213597	0.022372
67	L-01	26	0.004128	0.001032
68	L-02	76	0.036199	0.00905
69	L-03	152	0.241329	0.060332
70	L-04	333	0.396525	0.099131
71	P-05	70	0.041677	0.010419
72	P-06	40	0.023815	0.005954
73	P-07	40	0.047631	0.011908
74	L-08	16	0.007621	0.001905
75	L-09	22	0.010479	0.00262
76	L-10	24	0.011431	0.002858
77	L-11	26	0.03096	0.00774
78	L-14	122	0.121061	0.030265
79	L-15	138	0.136938	0.034235
80	L-16	70	0.055569	0.013892
81	P-17	51	0.020243	0.005061
82	L-18	103	0.04906	0.012265
83	P-19	250	0.148846	0.037211
84	L-20	174	0.165755	0.041439
85	L-21	140	0.066683	0.016671
86	P-22	18	0.041194	0.004315
87	P-22	48	0.10985	0.011505
88	P-22	48	0.054925	0.005753
89	P-22	30	0.022885	0.002397

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	PM10	PM2.5
90	P-23	Structure and Conductor Installation	Pickup - 1/2 ton	Gasoline	395	4	2026	8	40	320	95	304	16	passenger	6.102781	0.639189
91	P-23	Structure and Conductor Installation	Pickup - 1 ton	Diesel	410	4	2026	8	60	480	95	456	24	passenger	9.154171	0.958784
92	P-23	Structure and Conductor Installation	Truck - Water 4 K	Diesel	300	1	2026	2	60	120	95	114	6	vendor	2.288543	0.239696
93	P-22	Foundation Installation	Worker Commute	Gasoline	NA	15	2026	30	60	1800	100	1800	0	passenger	1.190766	0.297691
94	P-23	Structure and Conductor Installation	Worker Commute	Gasoline	NA	30	2026	60	60	3600	100	3600	0	passenger	2.381532	0.595383
95	L-24	Northern Transition Approach Construction	Truck - Dump 10-12 Yd	Diesel	415	1	2026	2	40	80	95	76	4	hhdt	1.525695	0.159797
96	L-24	Northern Transition Approach Construction	Worker Commute	Gasoline	NA	20	2026	40	60	2400	100	2400	0	passenger	1.587688	0.396922
97	P-25	Tesla Substation Upgrades	Pickup - 1/2 Ton	Gasoline	395	4	2026	8	40	320	95	304	16	passenger	6.102781	0.639189
98	P-25	Tesla Substation Upgrades	Pickup - 1 Ton	Diesel	410	4	2026	8	60	480	95	456	24	passenger	9.154171	0.958784
99	P-25	Tesla Substation Upgrades	Truck - Concrete	Diesel	425	1		2	60	120	95	114	6	hhdt	2.288543	0.239696
100	P-25	Tesla Substation Upgrades	Truck - Dump 10-12 Yd	Diesel	415	1		2	40	80	95	76	4	hhdt	1.525695	0.159797
101	P-26	Vaca Dixon Substation Upgrades	Pickup - 1/2 Ton	Gasoline	395	4		8	40	320	95	304	16	passenger	6.102781	0.639189
102	P-26	Vaca Dixon Substation Upgrades	Pickup - 1 Ton	Diesel	410	4		8	60	480	95	456	24	passenger	9.154171	0.958784
103	P-26	Vaca Dixon Substation Upgrades	Truck - Concrete	Diesel	425	1		2	60	120	95	114	6	hhdt	2.288543	0.239696
104	P-26	Vaca Dixon Substation Upgrades	Truck - Dump 10-12 Yd	Diesel	415	1		2	40	80	95	76	4	hhdt	1.525695	0.159797
105	P-25	Tesla Substation Upgrades	Worker Commute	Gasoline	NA	15		30	60	1800	100	1800	0	passenger	1.190766	0.297691
106	P-26	Vaca Dixon Substation Upgrades	Worker Commute	Gasoline	NA	15		30	60	1800	100	1800	0	passenger	1.190766	0.297691
107	P-27	PG&E IT Work	Pickup - 1/2 Ton	Gasoline	395	4		8	40	320	95	304	16	passenger	6.102781	0.639189
108	P-27	PG&E IT Work	Pickup - 1 Ton	Diesel	410	2		4	60	240	95	228	12	passenger	4.577085	0.479392
109	P-27	PG&E IT Work	Truck - Water 4 K	Diesel	300	1		2	60	120	95	114	6	vendor	2.288543	0.239696
110	P-27	PG&E IT Work	Truck - Concrete	Diesel	425	4		8	60	480	95	456	24	hhdt	9.154171	0.958784
111	P-27	PG&E IT Work	Truck - Dump 10-12 Yd	Diesel	415	2		4	40	160	95	152	8	hhdt	3.05139	0.319595
112	P-27	PG&E IT Work	Worker Commute	Gasoline	NA	15		30	60	1800	100	1800	0	passenger	1.190766	0.297691

Count	Activity Index	Days Used	PM10	PM2.5
90	P-23	36	0.10985	0.011505
91	P-23	36	0.164775	0.017258
92	P-23	36	0.041194	0.004315
93	P-22	48	0.028578	0.007145
94	P-23	36	0.042868	0.010717
95	L-24	138	0.105273	0.011026
96	L-24	138	0.10955	0.027388
97	P-25	144	0.4394	0.046022
98	P-25	144	0.6591	0.069032
99	P-25	72	0.082388	0.008629
100	P-25	72	0.054925	0.005753
101	P-26	224	0.683511	0.071589
102	P-26	224	1.025267	0.107384
103	P-26	132	0.151044	0.01582
104	P-26	132	0.100696	0.010547
105	P-25	144	0.085735	0.021434
106	P-26	224	0.133366	0.033341
107	P-27	202	0.616381	0.064558
108	P-27	202	0.462286	0.048419
109	P-27	150	0.171641	0.017977
110	P-27	150	0.686563	0.071909
111	P-27	150	0.228854	0.02397
112	P-27	202	0.120267	0.030067

Table 35: Earth Moving Uncontrolled Daily Emissions (pounds/day)

Count	Activity Index	Activity Name	Equipment Name	Fuel Type	Quantity	Hours Per Day	CalEEModType	EM Type	Acres Graded	Hours Bulldozed	PM10	PM2.5
1	L-02	Site Development/Staging Yards	Motor Grader	Diesel	2	8	Graders	grading	0.5	0	0.53025	0.057255
2	L-02	Site Development/Staging Yards	Scraper	Diesel	4	8	Scrapers	grading	1	0	1.0605	0.114509
3	L-08	Access Road Construction	Motor Grader	Diesel	1	8	Graders	grading	0.5	0	0.53025	0.057255
4	L-08	Access Road Construction	D6 Type Dozer	Diesel	1	8	Rubber Tired Dozers	bulldozing	0	8	6.022086	3.310227
5	L-21	Cleanup and Restoration	Motor Grader	Diesel	2	8	Graders	grading	0.5	0	0.53025	0.057255
6	L-21	Cleanup and Restoration	D6 Type Dozer	Diesel	1	8	Rubber Tired Dozers	bulldozing	0	8	6.022086	3.310227

Table 36: Earth Moving Uncontrolled Emissions (tons)

Count	Activity Index	Days Used	PM10	PM2.5
1	L-02	76	0.02015	0.002176
2	L-02	76	0.040299	0.004351
3	L-08	16	0.004242	0.000458
4	L-08	16	0.048177	0.026482
5	L-21	140	0.037118	0.004008
6	L-21	140	0.421546	0.231716

Table 37: Earth Moving Controlled Daily Emissions (pounds/day)

Count	Activity Index	Activity Name	Equipment Name	Fuel Type	Quantity	Hours Per Day	CalEEModType	EM Type	Acres Graded	Hours Bulldozed	PM10	PM2.5
1	L-02	Site Development/Staging Yards	Motor Grader	Diesel	2	8	Graders	grading	0.5	0	0.206798	0.022329
2	L-02	Site Development/Staging Yards	Scraper	Diesel	4	8	Scrapers	grading	1	0	0.413595	0.044659
3	L-08	Access Road Construction	Motor Grader	Diesel	1	8	Graders	grading	0.5	0	0.206798	0.022329
4	L-08	Access Road Construction	D6 Type Dozer	Diesel	1	8	Rubber Tired Dozers	bulldozing	0	8	2.348614	1.290989
5	L-21	Cleanup and Restoration	Motor Grader	Diesel	2	8	Graders	grading	0.5	0	0.206798	0.022329
6	L-21	Cleanup and Restoration	D6 Type Dozer	Diesel	1	8	Rubber Tired Dozers	bulldozing	0	8	2.348614	1.290989

Table 38: Earth Moving Controlled Emissions (tons)

Count	Activity Index	Days Used	PM10	PM2.5
1	L-02	76	0.007858	0.000849
2	L-02	76	0.015717	0.001697
3	L-08	16	0.001654	0.000179
4	L-08	16	0.018789	0.010328
5	L-21	140	0.014476	0.001563
6	L-21	140	0.164403	0.090369

Table 39: 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	MMBtu/gal	(ARB 2012)
CO2 emission factor	72.22	kg CO2/MMBtu	(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	

	Emission Rate						
Activity	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		Emissions lbs/day						
	Working Hrs	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		Emissions tons						MT
	Working Days	HC	CO	NOx	SOx	PM	PM2.5	CO2
P-06	13	0.056	0.067	0.241	0.002	0.099	0.052	70.185

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 40: 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	MMBtu/gal	(ARB 2012)
CO2 emission factor	72.22	kg CO2/MMBtu	(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	

	Emission Rate						
Activity	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		Emissions lbs/day						
	Working Hrs	HC	CO	NOx	SOx	PM10	PM2.5	CO2
Flight	6	12.672	15.840	6.336	0.109	0.211	0.065	4113.731
LTO	2	0.964	1.257	0.131	0.010	3.305	0.698	51.731
TOTAL		13.636	17.097	6.467	0.119	3.516	0.762	4165.462

Construction Phase		Emissions tons						MT
	Working Days	HC	CO	NOx	SOx	PM10	PM2.5	CO2
P-07	12	0.082	0.103	0.039	0.001	0.021	0.005	24.993
L-11	6	0.041	0.051	0.019	0.000	0.011	0.002	12.496

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 41: 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 42: 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 43: 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 44: 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 45: 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	5.9E-05	0.00043	2.85603071	2.59094822

Notes:

LSPGC Proposed Project components would requier 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 46: Total Uncontrolled Daily Emissions (pounds/day)

Index	Name	ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Total	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	5.637631	50.48237	51.31154	0.175098	2.090188	114.7405	116.8307	1.771945	11.74926	13.52121	18579.22	0.605967	0.642974
L-03	Below-Grade Construction	3.885216	32.29125	44.05851	0.139569	1.948694	115.3725	117.3212	1.554296	12.13319	13.68748	14675.83	0.385076	0.666195
L-04	Above-Grade Construction	3.06151	24.67098	25.61222	0.066699	1.456104	61.43265	62.88875	1.235532	6.563458	7.79899	6807.053	0.190095	0.190786
P-05	Foundation Installation	2.097889	19.27749	23.24885	0.089328	1.060859	101.5777	102.6385	0.815943	10.44342	11.25936	9500.235	0.231753	0.594696
P-06	Structure Installation	3.688302	22.15236	14.03875	0.131483	4.759046	54.33677	59.09581	2.686179	5.668959	8.355138	7547.043	0.119233	0.205455
P-07	Conductor Installation	5.388061	17.7505	23.20872	0.088816	1.838784	85.05309	86.89188	0.942351	8.950688	9.893039	7182.242	0.143847	0.263836
L-08	Access Road Construction	1.773345	17.10451	16.0833	0.049441	0.791727	54.74584	55.53757	0.654619	8.380095	9.034715	5248.79	0.144504	0.227873
L-09	Foundation Installation	1.58375	15.04942	16.46975	0.074081	0.77986	83.62417	84.40403	0.573541	8.593459	9.166999	7874.823	0.182088	0.52998
L-10	Structure Installation	1.768745	14.81684	13.95265	0.04937	0.702215	36.38328	37.0855	0.596151	3.818998	4.415149	5255.752	0.168125	0.137525
L-11	Conductor Installation	7.938041	47.58872	41.99751	0.128705	2.998237	70.29031	73.28855	2.074816	7.458669	9.533485	11722.92	0.338452	0.268427
L-14	Submarine Cable Installation	62.49726	704.8354	330.3094	0.718091	35.70498	1.98461	37.68959	31.8836	0.496152	32.37976	69958.36	2.787526	0.596612
L-15	Southern Transition Approach Construction	2.265222	20.14301	18.57283	0.070291	1.20607	61.03572	62.24179	0.958882	6.464228	7.423109	7311.414	0.15138	0.451408
L-16	Substation Getaways	3.352628	27.47218	26.67755	0.061321	1.750951	60.6388	62.38975	1.533737	6.364997	7.898734	6282.95	0.188952	0.174914
P-17	Distribution Extension to Substation	2.152537	21.53293	20.2808	0.075797	1.166486	77.56029	78.72678	0.943942	7.956959	8.900901	8077.205	0.209207	0.460713
L-18	Fiber Extension to Substation	2.12486	20.766	19.36979	0.060966	1.231053	54.09862	55.32967	1.025432	5.609421	6.634853	6483.396	0.165854	0.361485
P-19	Pittsburg Substation Upgrades	2.294719	22.19896	26.30011	0.09932	1.214594	119.293	120.5076	0.929467	12.23384	13.16331	10449.55	0.245477	0.668941
L-20	Commissioning and Testing	1.204256	10.10089	13.96445	0.042542	0.525306	55.05123	55.57653	0.401294	5.847574	6.248868	4441.797	0.114312	0.134034
L-21	Cleanup and Restoration	2.909739	26.14192	22.76774	0.064959	1.482935	78.36629	79.84922	1.284836	10.76733	12.05216	6919.463	0.207526	0.261187
P-22	Foundation Installation	0.624424	5.770453	8.317668	0.040887	0.364031	51.38421	51.74824	0.234677	5.370555	5.605232	4297.919	0.082446	0.302394
P-23	Structure and Conductor Installation	1.844244	14.86878	17.8952	0.055513	0.87244	70.29031	71.16275	0.699422	7.458669	8.158092	5806.828	0.151347	0.185156
L-24	Northern Transition Approach Construction	2.464263	19.78904	19.47004	0.057799	1.101052	7.492799	8.593851	0.947136	0.993729	1.940866	6040.864	0.193142	0.11745
P-25	Tesla Substation Upgrades	1.265378	11.31129	16.16342	0.045703	0.591506	75.00466	75.59617	0.460421	7.757786	8.218207	4711.963	0.120227	0.224574
P-26	Vaca Dixon Substation Upgrades	1.265378	11.31129	16.16342	0.045703	0.591506	75.00466	75.59617	0.460421	7.757786	8.218207	4711.963	0.120227	0.224574
P-27	PG&E IT Work	2.225863	20.44808	24.8193	0.088978	1.135771	98.62511	99.76088	0.889725	10.14502	11.03474	9352.847	0.236388	0.524081

Table 47: Total Controlled Daily Emissions (pounds/day)

Index	Name	ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Total	PM2.5 Exhaust	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	2.01695	14.81264	80.41969	0.175098	0.728678	30.56121	31.28989	0.540065	3.341289	3.881354	18579.22	0.605967	0.642974
L-03	Below-Grade Construction	2.624828	20.36234	58.38684	0.139569	1.489635	32.16358	33.65322	1.141268	3.829992	4.971259	14675.83	0.385076	0.666195
L-04	Above-Grade Construction	2.253264	15.78552	30.54054	0.066699	1.080251	17.63848	18.71873	0.893436	2.193355	3.086791	6807.053	0.190095	0.190786
P-05	Foundation Installation	0.950831	8.333961	33.57659	0.089328	0.574663	27.12758	27.70225	0.375741	3.014245	3.389986	9500.235	0.231753	0.594696
P-06	Structure Installation	2.842238	12.78819	18.99956	0.131483	4.367819	14.92202	19.28984	2.32973	1.735867	4.065597	7547.043	0.119233	0.205455
P-07	Conductor Installation	4.280048	5.17296	25.25618	0.088816	1.298562	23.74126	25.03983	0.448794	2.832545	3.281339	7182.242	0.143847	0.263836
L-08	Access Road Construction	0.580987	4.138796	19.4271	0.049441	0.266124	15.71358	15.97971	0.175263	2.829849	3.005112	5248.79	0.144504	0.227873
L-09	Foundation Installation	0.754651	7.267102	25.29077	0.074081	0.476916	22.31234	22.78926	0.300325	2.475315	2.775639	7874.823	0.182088	0.52998
L-10	Structure Installation	0.573054	2.7963	22.14771	0.04937	0.207903	10.10678	10.31469	0.146902	1.196937	1.343839	5255.752	0.168125	0.137525
L-11	Conductor Installation	4.347677	7.017448	48.45022	0.128705	1.246989	19.92703	21.17402	0.474488	2.433051	2.907539	11722.92	0.338452	0.268427
L-14	Submarine Cable Installation	49.9625	334.4639	328.9412	0.718091	7.145925	1.98461	9.130535	6.416351	0.496152	6.912504	69958.36	2.787526	0.596612
L-15	Southern Transition Approach Construction	1.650791	13.43426	23.80376	0.070291	0.934427	17.24156	18.17599	0.712328	2.094125	2.806453	7311.414	0.15138	0.451408
L-16	Substation Getaways	2.684971	20.16952	30.8207	0.061321	1.441515	16.84464	18.28615	1.252181	1.994895	3.247075	6282.95	0.188952	0.174914
P-17	Distribution Extension to Substation	1.132157	10.10091	29.22679	0.075797	0.705312	20.62788	21.33319	0.525494	2.275825	2.80132	8077.205	0.209207	0.460713
L-18	Fiber Extension to Substation	1.322581	11.77633	24.36635	0.060966	0.855925	14.68387	15.53979	0.683886	1.676328	2.360214	6483.396	0.165854	0.361485
P-19	Pittsburg Substation Upgrades	1.571536	15.09113	35.85109	0.09932	0.951442	31.70467	32.65611	0.693098	3.493637	4.186734	10449.55	0.245477	0.668941
L-20	Commissioning and Testing	0.693021	4.345281	16.81962	0.042542	0.283792	15.63648	15.92027	0.181147	1.914482	2.095629	4441.797	0.114312	0.134034
L-21	Cleanup and Restoration	1.411725	9.815743	28.64852	0.064959	0.846596	21.81637	22.66296	0.705047	3.469038	4.174086	6919.463	0.207526	0.261187
P-22	Foundation Installation	0.463413	3.799451	12.04982	0.040887	0.302861	14.15917	14.46204	0.18034	1.655968	1.836309	4297.919	0.082446	0.302394
P-23	Structure and Conductor Installation	0.80617	3.1063	21.79892	0.055513	0.374364	19.92703	20.30139	0.244942	2.433051	2.677993	5806.828	0.151347	0.185156
L-24	Northern Transition Approach Construction	1.645228	11.392	28.03032	0.057799	0.787129	3.113383	3.900512	0.663586	0.556719	1.220305	6040.864	0.193142	0.11745
P-25	Tesla Substation Upgrades	0.842919	6.90189	18.52705	0.045703	0.398373	20.26195	20.66033	0.28478	2.295157	2.579937	4711.963	0.120227	0.224574
P-26	Vaca Dixon Substation Upgrades	0.842919	6.90189	18.52705	0.045703	0.398373	20.26195	20.66033	0.28478	2.295157	2.579937	4711.963	0.120227	0.224574
P-27	PG&E IT Work	1.502679	13.34024	34.37028	0.088978	0.872619	26.36474	27.23735	0.653356	2.934346	3.587702	9352.847	0.236388	0.524081

Table 48: Total Uncontrolled Annual Emissions (tons)

Index	Name	ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Total	CO2	CH4	N2O
L-01	Survey	0.000887	0.001448	0.01827	5.59E-05	0.00033	0.157661	0.15799	0.000116	0.016549	0.016665	5.653845	9.29E-05	0.000128
L-02	Site Development/Staging Yards	0.21423	1.91833	1.949838	0.006654	0.079427	4.360138	4.439565	0.067334	0.446472	0.513806	706.0105	0.023027	0.024433
L-03	Below-Grade Construction	0.295276	2.454135	3.348447	0.010607	0.148101	8.76831	8.91641	0.118126	0.922122	1.040249	1115.363	0.029266	0.050631
L-04	Above-Grade Construction	0.509741	4.107718	4.264435	0.011105	0.242441	10.22854	10.47098	0.205716	1.092816	1.298532	1133.374	0.031651	0.031766
P-05	Foundation Installation	0.040659	0.367016	0.466285	0.002039	0.022818	2.976517	2.999336	0.016562	0.307033	0.323594	215.4701	0.0045	0.01549
P-06	Structure Installation	0.082272	0.474953	0.286832	0.002935	0.111296	1.007016	1.118312	0.062144	0.105322	0.167466	157.8368	0.002299	0.003657
P-07	Conductor Installation	0.108447	0.23595	0.393414	0.001738	0.034347	1.61839	1.652738	0.014486	0.170658	0.185145	131.8248	0.00236	0.004722
L-08	Access Road Construction	0.014187	0.136836	0.128666	0.000396	0.006334	0.437967	0.444301	0.005237	0.067041	0.072278	41.99032	0.001156	0.001823
L-09	Foundation Installation	0.017421	0.165544	0.181167	0.000815	0.008578	0.919866	0.928444	0.006309	0.094528	0.100837	86.62305	0.002003	0.00583
L-10	Structure Installation	0.021225	0.177802	0.167432	0.000592	0.008427	0.436599	0.445026	0.007154	0.045828	0.052982	63.06902	0.002017	0.00165
L-11	Conductor Installation	0.103195	0.618653	0.545968	0.001673	0.038977	0.913774	0.952751	0.026973	0.096963	0.123935	152.3979	0.0044	0.00349
L-14	Submarine Cable Installation	3.043841	34.31295	16.56272	0.036366	1.725435	0.121061	1.846497	1.540941	0.030265	1.571206	3511.738	0.139384	0.030262
L-15	Southern Transition Approach Construction	0.1563	1.389868	1.281525	0.00485	0.083219	4.211465	4.294684	0.066163	0.446032	0.512195	504.4876	0.010445	0.031147
L-16	Substation Getaways	0.117342	0.961526	0.933714	0.002146	0.061283	2.122358	2.183641	0.053681	0.222775	0.276456	219.9032	0.006613	0.006122
P-17	Distribution Extension to Substation	0.05489	0.54909	0.517161	0.001933	0.029745	1.977787	2.007533	0.024071	0.202902	0.226973	205.9687	0.005335	0.011748
L-18	Fiber Extension to Substation	0.10943	1.069449	0.997544	0.00314	0.063399	2.786079	2.849478	0.05281	0.288885	0.341695	333.8949	0.008541	0.018616
P-19	Pittsburg Substation Upgrades	0.181312	1.64186	2.166357	0.007997	0.095986	10.843	10.93899	0.072083	1.11803	1.190113	838.3395	0.01912	0.0514
L-20	Commissioning and Testing	0.10477	0.878778	1.214908	0.003701	0.045702	4.789457	4.835159	0.034913	0.508739	0.543652	386.4363	0.009945	0.011661
L-21	Cleanup and Restoration	0.203682	1.829934	1.593742	0.004547	0.103805	5.48564	5.589446	0.089939	0.753713	0.843651	484.3624	0.014527	0.018283
P-22	Foundation Installation	0.012455	0.096657	0.170676	0.000749	0.006766	0.914345	0.921111	0.004464	0.096666	0.10113	78.36699	0.001597	0.004667
P-23	Structure and Conductor Installation	0.027647	0.208492	0.280576	0.000942	0.013083	1.265226	1.278308	0.010178	0.134256	0.144434	98.37108	0.002475	0.003283
L-24	Northern Transition Approach Construction	0.170034	1.365444	1.343433	0.003988	0.075973	0.517003	0.592976	0.065352	0.068567	0.13392	416.8196	0.013327	0.008104
P-25	Tesla Substation Upgrades	0.06524	0.510322	0.848486	0.002406	0.031204	4.868875	4.90008	0.023752	0.504848	0.5286	244.183	0.005841	0.011392
P-26	Vaca Dixon Substation Upgrades	0.10867	0.878304	1.407444	0.003989	0.051702	7.721434	7.773136	0.039558	0.800239	0.839797	406.2509	0.009869	0.019047
P-27	PG&E IT Work	0.178961	1.596283	2.04083	0.007178	0.090336	8.502573	8.59291	0.070151	0.877235	0.947386	750.5809	0.01872	0.04095

Table 49: Total Controlled Annual Emissions (tons)

Index	Name	ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Total	CO2	CH4	N2O
L-01	Survey	0.000887	0.001448	0.01827	5.59E-05	0.00033	0.043796	0.044126	0.000116	0.005187	0.005303	5.653845	9.29E-05	0.000128
L-02	Site Development/Staging Yards	0.076644	0.56288	3.055948	0.006654	0.02769	1.161326	1.189016	0.020522	0.126969	0.147491	706.0105	0.023027	0.024433
L-03	Below-Grade Construction	0.199487	1.547538	4.4374	0.010607	0.113212	2.444432	2.557645	0.086736	0.291079	0.377816	1115.363	0.029266	0.050631
L-04	Above-Grade Construction	0.375169	2.628289	5.085	0.011105	0.179862	2.936807	3.116669	0.148757	0.365194	0.513951	1133.374	0.031651	0.031766
P-05	Foundation Installation	0.023144	0.193403	0.657795	0.002039	0.015655	0.799947	0.815602	0.010093	0.089838	0.099932	215.4701	0.0045	0.01549
P-06	Structure Installation	0.065888	0.292099	0.380695	0.002935	0.10364	0.277844	0.381483	0.055167	0.03256	0.087727	157.8368	0.002299	0.003657
P-07	Conductor Installation	0.096523	0.100039	0.457591	0.001738	0.028704	0.453466	0.48217	0.009345	0.054414	0.063758	131.8248	0.00236	0.004722
L-08	Access Road Construction	0.004648	0.03311	0.155417	0.000396	0.002129	0.125709	0.127838	0.001402	0.022639	0.024041	41.99032	0.001156	0.001823
L-09	Foundation Installation	0.008301	0.079938	0.278198	0.000815	0.005246	0.245436	0.250682	0.003304	0.027228	0.030532	86.62305	0.002003	0.00583
L-10	Structure Installation	0.006877	0.033556	0.265773	0.000592	0.002495	0.121281	0.123776	0.001763	0.014363	0.016126	63.06902	0.002017	0.00165
L-11	Conductor Installation	0.05652	0.091227	0.629853	0.001673	0.016211	0.259051	0.275262	0.006168	0.03163	0.037798	152.3979	0.0044	0.00349
L-14	Submarine Cable Installation	2.354365	16.07037	16.32622	0.036366	0.347185	0.121061	0.468246	0.311223	0.030265	0.341489	3511.738	0.139384	0.030262
L-15	Southern Transition Approach Construction	0.113905	0.926964	1.642459	0.00485	0.064475	1.189668	1.254143	0.049151	0.144495	0.193645	504.4876	0.010445	0.031147
L-16	Substation Getaways	0.093974	0.705933	1.078725	0.002146	0.050453	0.589562	0.640015	0.043826	0.069821	0.113648	219.9032	0.006613	0.006122
P-17	Distribution Extension to Substation	0.02887	0.257573	0.745283	0.001933	0.017985	0.526011	0.543996	0.0134	0.058034	0.071434	205.9687	0.005335	0.011748
L-18	Fiber Extension to Substation	0.068113	0.606481	1.254867	0.00314	0.04408	0.756219	0.800299	0.03522	0.086331	0.121551	333.8949	0.008541	0.018616
P-19	Pittsburg Substation Upgrades	0.129243	1.130096	2.854028	0.007997	0.077039	2.91188	2.988918	0.055065	0.326604	0.381669	838.3395	0.01912	0.0514
L-20	Commissioning and Testing	0.060293	0.378039	1.463307	0.003701	0.02469	1.360374	1.385064	0.01576	0.16656	0.18232	386.4363	0.009945	0.011661
L-21	Cleanup and Restoration	0.098821	0.687102	2.005397	0.004547	0.059262	1.527146	1.586407	0.049353	0.242833	0.292186	484.3624	0.014527	0.018283
P-22	Foundation Installation	0.009556	0.061179	0.237855	0.000749	0.005665	0.257433	0.263098	0.003486	0.031114	0.0346	78.36699	0.001597	0.004667
P-23	Structure and Conductor Installation	0.013929	0.052887	0.362116	0.000942	0.006622	0.358686	0.365309	0.004293	0.043795	0.048087	98.37108	0.002475	0.003283
L-24	Northern Transition Approach Construction	0.113521	0.786048	1.934092	0.003988	0.054312	0.214823	0.269135	0.045787	0.038414	0.084201	416.8196	0.013327	0.008104
P-25	Tesla Substation Upgrades	0.050031	0.351583	0.933576	0.002406	0.024252	1.321548	1.3458	0.017429	0.15087	0.168298	244.183	0.005841	0.011392
P-26	Vaca Dixon Substation Upgrades	0.080787	0.587283	1.563444	0.003989	0.038956	2.093884	2.13284	0.027966	0.238681	0.266646	406.2509	0.009869	0.019047
P-27	PG&E IT Work	0.124723	1.063195	2.757153	0.007178	0.0706	2.285992	2.356592	0.052423	0.256899	0.309322	750.5809	0.01872	0.04095

Table 51: Annual Emissions - BAAQMD (tons/year)

District	Type	Year	ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Total	CO2	CH4	N2O	CO2e	CO2e Metric Tons
BAAQMD	Unctrl	2026	0.5	4.7	5.6	0.0	0.2	14.6	14.8	0.2	1.5	1.7	1948.590	0.056	0.083	1974.744	1791.458
BAAQMD	Unctrl	2027	4.0	38.9	28.1	0.1	2.2	55.5	57.6	1.8	5.8	7.7	7863.438	0.233	0.259	7946.556	7208.996
BAAQMD	Unctrl	2028	0.5	4.0	4.5	0.0	0.2	17.9	18.1	0.2	2.0	2.2	1423.766	0.038	0.059	1442.227	1308.367
BAAQMD	Ctrl	2026	0.3	2.3	7.9	0.0	0.2	4.0	4.1	0.1	0.5	0.6	1948.590	0.056	0.083	1974.744	1791.458
BAAQMD	Ctrl	2027	3.0	20.3	32.2	0.1	1.0	15.4	16.4	0.7	1.8	2.6	7863.438	0.233	0.259	7946.556	7208.996
BAAQMD	Ctrl	2028	0.3	1.9	5.5	0.0	0.1	4.9	5.1	0.1	0.6	0.8	1423.766	0.038	0.059	1442.227	1308.367

Table 52: Annual Emissions - SMAQMD (tons/year)

District	Type	Year	ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Total	CO2	CH4	N2O	CO2e	CO2e Metric Tons
SMAQMD	Unctrl	2026	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000
SMAQMD	Unctrl	2027	0.9	10.3	5.0	0.0	0.5	0.0	0.6	0.5	0.0	0.5	1053.5	0.0	0.0	1057.3	959.141
SMAQMD	Unctrl	2028	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000
SMAQMD	Ctrl	2026	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000
SMAQMD	Ctrl	2027	0.7	4.8	4.9	0.0	0.1	0.0	0.1	0.1	0.0	0.1	1053.5	0.0	0.0	1057.3	959.141
SMAQMD	Ctrl	2028	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000

Table 53: Annual GHG Emissions - BAAQMD (metric tons/year)

Phase	CO2	CH4	N2O	SF6	CO2e
Construction	10192.94	0.30	0.36	0.00	10308.82
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 54: Annual GHG Emissions - SMAQMD (metric tons/year)

Phase	CO2	CH4	N2O	SF6	CO2e
Construction	955.74	0.04	0.01	0.00	959.14
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	31.86	0.00	0.00	0.00	31.97

Table 55: Equipment List and Trip Requirements

Equip Index	Activity Index	Activity Name	Equipment Name	HP	Fuel Type	Quantity	Days Used	Hours Per Day	On-Off	On Type	On Distance per Trip (miles)	Trips Per Day	Daily VMT	Total VMT	Total Trips per day	Automobile Type
1	L-01	Survey	Pickup - 1/2 Ton	395	Gasoline	2	26	4	on	passenger	40	2	160	4160	4	Automobile
2	L-02	Site Development/Staging Yards	Truck - Water 4 K	300	Diesel	4	76	8	on	vendor	40	2	320	24320	8	Const Vehicle
3	L-02	Site Development/Staging Yards	Loader - 4-5 Yd	230	Diesel	2	76	8	off							
4	L-02	Site Development/Staging Yards	Truck - Dump 10-12 Yd	415	Diesel	5	76	8	on	hhdt	40	4	800	60800	20	Const Vehicle
5	L-02	Site Development/Staging Yards	Motor Grader	250	Diesel	2	76	8	off							
6	L-02	Site Development/Staging Yards	Scraper	410	Diesel	4	76	8	off							
7	L-02	Site Development/Staging Yards	Vibratory Roller	157	Diesel	2	76	8	off							
8	L-02	Site Development/Staging Yards	Pickup - 1/2 Ton	395	Gasoline	4	76	4	on	passenger	40	2	320	24320	8	Automobile
9	L-02	Site Development/Staging Yards	Generator – 25 Kw	36	Diesel	2	76	8	off							
10	L-02	Site Development/Staging Yards	Forklift - 15,000 lb	130	Diesel	4	76	6	off							
11	L-02	Site Development/Staging Yards	Pickup - 1 Ton	410	Diesel	4	76	4	on	passenger	40	2	320	24320	8	Automobile
12	L-02	Site Development/Staging Yards	844 Loader	417	Diesel	1	76	6	off							
13	L-02	Site Development/Staging Yards	Semi Truck	500	Diesel	2	76	6	on	hhdt	40	2	160	12160	4	Const Vehicle
14	L-03	Below-Grade Construction	Truck - Water 4 K	300	Diesel	2	152	8	on	vendor	40	2	160	24320	4	Const Vehicle
15	L-03	Below-Grade Construction	Excavator	108	Diesel	2	152	8	off							
16	L-03	Below-Grade Construction	Forklift - 15 K Reach	130	Diesel	3	152	8	off							
17	L-03	Below-Grade Construction	Backhoe - 2X4	68	Diesel	2	152	6	off							
18	L-03	Below-Grade Construction	Pickup - 1/2 Ton	395	Gasoline	4	152	2	on	passenger	40	2	320	48640	8	Automobile
19	L-03	Below-Grade Construction	Pickup - 1 Ton	410	Diesel	4	152	2	on	passenger	40	2	320	48640	8	Automobile
20	L-03	Below-Grade Construction	Excavator - Mini	70	Diesel	1	152	5	off							
21	L-03	Below-Grade Construction	Generator – 25 Kw	36	Diesel	1	152	8	off							
22	L-03	Below-Grade Construction	Truck - Concrete	425	Diesel	4	152	5	on	hhdt	60	2	480	72960	8	Const Vehicle
23	L-03	Below-Grade Construction	Loader - 4-5 Yd	230	Diesel	2	152	8	off							
24	L-03	Below-Grade Construction	Pressure Digger - Lo-Drill (Track	275	Diesel	1	152	8	off							
25	L-03	Below-Grade Construction	Excavator	275	Diesel	1	152	8	off							
26	L-03	Below-Grade Construction	Truck - Dump 10-12 Yd	415	Diesel	3	152	5	on	hhdt	40	4	480	72960	12	Const Vehicle
27	L-03	Below-Grade Construction	Tool - Van/Conex 20'	0	NA	6	152	8	NA							
28	L-03	Below-Grade Construction	Trencher	75	Diesel	2	152	5	off							
29	L-03	Below-Grade Construction	Skid steer loader	74	Diesel	2	152	8	off							
30	L-03	Below-Grade Construction	Wire Trailer/ Tensioner	175	Diesel	1	152	5	off							
31	L-03	Below-Grade Construction	Wire Puller	175	Diesel	1	152	5	off							
32	L-04	Above-Grade Construction	Wire Trailer/ Tensioner	175	Diesel	1	333	5	off							
33	L-04	Above-Grade Construction	Wire Puller	175	Diesel	1	333	5	off							
34	L-04	Above-Grade Construction	Crane - 200 Ton	275	Diesel	1	333	4	off							
35	L-04	Above-Grade Construction	Pickup - 1/2 Ton	395	Gasoline	4	333	2	on	passenger	40	2	320	106560	8	Automobile
36	L-04	Above-Grade Construction	Pickup - 1 Ton	410	Diesel	4	333	2	on	passenger	40	2	320	106560	8	Automobile
37	L-04	Above-Grade Construction	Welding Truck	395	Diesel	2	333	2	on	vendor	40	2	160	53280	4	Const Vehicle
38	L-04	Above-Grade Construction	Generator – 25 Kw	36	Diesel	2	333	8	off							
39	L-04	Above-Grade Construction	Crane - 35 Ton (Manlift)	250	Diesel	2	333	5	off							
40	L-04	Above-Grade Construction	Forklift - 10 K Reach	130	Diesel	2	333	4	off							
41	L-04	Above-Grade Construction	Forklift -15,000 lb	130	Diesel	1	333	4	off							
42	L-04	Above-Grade Construction	Loader - 4-5 Yd	74	Diesel	2	333	5	off							
43	L-04	Above-Grade Construction	120' Manlift	74	Diesel	2	333	4	off							
44	P-05	Foundation Installation	Pressure Digger - Lo-Drill (Track	275	Diesel	1	54	8	off							
45	P-05	Foundation Installation	Truck - Concrete	425	Diesel	4	54	5	on	hhdt	60	2	480	25920	8	Const Vehicle
46	P-05	Foundation Installation	Pickup - 1 Ton	410	Diesel	4	70	2	on	passenger	60	2	480	40320	8	Automobile
47	P-05	Foundation Installation	Truck - Water 4 K	300	Diesel	2	70	6	on	vendor	60	2	240	20160	4	Const Vehicle
48	P-05	Foundation Installation	Truck - Dump 10-12 Yd	415	Diesel	2	20	8	on	hhdt	40	2	160	3200	4	Const Vehicle
49	P-05	Foundation Installation	Skid steer loader	74	Diesel	1	35	8	off							
50	P-05	Foundation Installation	Forklift - 10 K Reach	130	Diesel	2	35	8	off							
51	P-05	Foundation Installation	Crane - 35 Ton (Manlift)	250	Diesel	1	35	4	off							
52	P-05	Foundation Installation	Loader - 4-5 Yd	230	Diesel	1	35	8	off							
53	P-05	Foundation Installation	D4 Type Dozer	130	Diesel	1	20	8	off							
54	P-05	Foundation Installation	Excavator	250	Diesel	1	20	8	off							
55	P-05	Foundation Installation	Vibratory Roller	125	Diesel	1	20	8	off							
56	P-06	Structure Installation	Crane - 35 Ton (Manlift)	250	Diesel	2	40	8	off							
57	P-06	Structure Installation	Helicopter - Heavy Duty	3200	Jet	1	13	5	helicopter							

Equip Index	Activity Index	Activity Name	Equipment Name	HP	Fuel Type	Quantity	Days Used	Hours Per Day	On-Off	On Type	On Distance per Trip (miles)	Trips Per Day	Daily VMT	Total VMT	Total Trips per day	Automobile Type
58	P-06	Structure Installation	Pickup - 1/2 ton	395	Gasoline	2	40	2	on	passenger	40	2	160	7,680	4	Automobile
59	P-06	Structure Installation	Forklift - 25,000 lb	175	Diesel	1	20	5	off							
60	P-06	Structure Installation	Pickup - 1 ton	410	Diesel	2	40	2	on	passenger	60	2	240	11520	4	Automobile
61	P-06	Structure Installation	Crane - 200 Ton	275	Diesel	1	40	8	off							
62	P-06	Structure Installation	Truck - Water 4 K	300	Diesel	2	40	6	on	vendor	60	2	240	11520	4	Const Vehicle
63	P-06	Structure Installation	Jet Fuel Truck	300	Diesel	1	13	8	on	vendor	40	2	80	1040	2	Const Vehicle
64	P-07	Conductor Installation	Helicopter	700	Jet	1	12	8	helicopter							
65	P-07	Conductor Installation	Jet Fuel Truck	300	Diesel	1	12	8	on	vendor	40	2	80	960	2	Const Vehicle
66	P-07	Conductor Installation	Crane - 35 Ton (Manlift)	250	Diesel	1	40	8	off							
67	P-07	Conductor Installation	Pickup - 1/2 ton	395	Gasoline	4	40	2	on	passenger	40	2	320	15040	8	Automobile
68	P-07	Conductor Installation	Pickup - 1 Ton	410	Diesel	4	40	2	on	passenger	60	2	480	22560	8	Automobile
69	P-07	Conductor Installation	D8 Sag Dozer	200	Diesel	1	6	8	off							
70	P-07	Conductor Installation	Wire Puller	175	Diesel	1	40	5	off							
71	P-07	Conductor Installation	Truck - Water 4 K	300	Diesel	2	40	6	on	vendor	60	2	240	11280	4	Const Vehicle
72	P-07	Conductor Installation	Wire Trailer/ Tensioner	175	Diesel	1	40	5	off							
73	L-08	Access Road Construction	Pickup - 1/2 ton	395	Gasoline	2	16	4	on	passenger	40	2	160	2560	4	Automobile
74	L-08	Access Road Construction	Pickup - 1 ton	410	Diesel	2	16	4	on	passenger	40	2	160	2560	4	Automobile
75	L-08	Access Road Construction	Motor Grader	250	Diesel	1	16	8	off							
76	L-08	Access Road Construction	Truck - Dump 10-12 Yd	415	Diesel	2	16	8	on	hhdt	40	2	160	2560	4	Const Vehicle
77	L-08	Access Road Construction	Skid steer loader	74	Diesel	1	16	8	off							
78	L-08	Access Road Construction	Truck - Water 4 K	300	Diesel	2	16	6	on	vendor	40	2	160	2560	4	Const Vehicle
79	L-08	Access Road Construction	D6 Type Dozer	250	Diesel	1	16	8	off							
80	L-08	Access Road Construction	Excavator	250	Diesel	1	16	8	off							
81	L-09	Foundation Installation	Pressure Digger - Lo-Drill (Track	275	Diesel	1	22	8	off							
82	L-09	Foundation Installation	Truck - Concrete	425	Diesel	4	22	5	on	hhdt	60	2	480	10560	8	Const Vehicle
83	L-09	Foundation Installation	Pickup - 1 Ton	410	Diesel	4	22	2	on	passenger	40	2	320	7040	8	Automobile
84	L-09	Foundation Installation	Truck - Water 4 K	300	Diesel	2	22	6	on	vendor	40	2	160	3520	4	Const Vehicle
85	L-09	Foundation Installation	Truck - Dump 10-12 Yd	415	Diesel	2	22	8	on	hhdt	40	2	160	3520	4	Const Vehicle
86	L-09	Foundation Installation	Skid steer loader	74	Diesel	1	22	8	off							
87	L-09	Foundation Installation	Forklift - 10 K Reach	130	Diesel	2	22	8	off							
88	L-09	Foundation Installation	Crane - 35 Ton (Manlift)	250	Diesel	1	22	4	off							
89	L-09	Foundation Installation	844 Loader	417	Diesel	1	22	8	off							
90	L-09	Foundation Installation	Rough Terrain Crane	185	Diesel	1	22	2	off							
91	L-10	Structure Installation	Crane - 35 Ton (Manlift)	250	Diesel	2	24	8	off							
92	L-10	Structure Installation	Pickup - 1/2 ton	395	Gasoline	2	24	2	on	passenger	40	2	160	3840	4	Automobile
93	L-10	Structure Installation	Forklift - 15,000 lb	130	Diesel	1	24	5	off							
94	L-10	Structure Installation	Pickup - 1 ton	410	Diesel	2	24	2	on	passenger	40	2	160	3,840	4	Automobile
95	L-10	Structure Installation	Crane - 200 Ton	275	Diesel	1	24	8	off							
96	L-10	Structure Installation	844 Loader	417	Diesel	1	24	8	off							
97	L-10	Structure Installation	Truck - Water 4 K	300	Diesel	2	24	6	on	vendor	40	2	160	3840	4	Const Vehicle
98	L-11	Conductor Installation	Helicopter	700	Jet	1	6	8	helicopter							
99	L-11	Conductor Installation	Jet Fuel Truck	300	Diesel	1	26	8	on	vendor	60	2	120	3,120	2	Const Vehicle
100	L-11	Conductor Installation	Crane - 35 Ton (Manlift)	250	Diesel	6	26	8	off							
101	L-11	Conductor Installation	Pickup - 1/2 ton	395	Gasoline	4	26	2	on	passenger	40	2	320	8320	8	Automobile
102	L-11	Conductor Installation	Pickup - 1 Ton	410	Diesel	4	26	2	on	passenger	40	2	320	8320	8	Automobile
103	L-11	Conductor Installation	D8 Sag Dozer	200	Diesel	3	26	8	off							
104	L-11	Conductor Installation	Wire Puller	175	Diesel	1	26	5	off							
105	L-11	Conductor Installation	Truck - Water 4 K	300	Diesel	2	26	6	on	vendor	40	2	160	4160	4	Const Vehicle
106	L-11	Conductor Installation	Wire Trailer/ Tensioner	175	Diesel	1	26	5	off							
107	L-14	Submarine Cable Installation	Water Pumps	325	Diesel	2	122	15	off							
108	L-14	Submarine Cable Installation	Deck Generator	170	Diesel	1	122	21	off							
109	L-14	Submarine Cable Installation	Deck Equipment	100	Diesel	1	122	21	off							
110	L-14	Submarine Cable Installation	Anchor Winches	225	Diesel	2	122	12	off							
111	L-14	Submarine Cable Installation	Deck Winch	100	Diesel	1	122	12	off							
112	L-14	Submarine Cable Installation	Crane	180	Diesel	1	122	5	off							
113	L-14	Submarine Cable Installation	Linear Cable Engine	200	Diesel	3	122	12	off							
114	L-14	Submarine Cable Installation	Barge Tug	2000	Diesel	1	122	11	boat							
115	L-14	Submarine Cable Installation	Deck Generator - 100kW	100	Diesel	1	122	17	off							

Equip Index	Activity Index	Activity Name	Equipment Name	HP	Fuel Type	Quantity	Days Used	Hours Per Day	On-Off	On Type	On Distance per Trip (miles)	Trips Per Day	Daily VMT	Total VMT	Total Trips per day	Automobile Type
116	L-14	Submarine Cable Installation	Small Boats	250	Diesel	2	122	16	boat							
117	L-14	Submarine Cable Installation	Deck Equipment	100	Diesel	1	67	6	off							
118	L-14	Submarine Cable Installation	Crane	180	Diesel	1	67	2	off							
119	L-14	Submarine Cable Installation	Dive Compressor	50	Diesel	1	67	2	off							
120	L-14	Submarine Cable Installation	Deck Generator	170	Diesel	1	67	12	off							
121	L-14	Submarine Cable Installation	Anchor Tug	1320	Diesel	1	70	22	boat							
122	L-14	Submarine Cable Installation	Deck Generator - 100kW	100	Diesel	1	70	22	off							
123	L-14	Submarine Cable Installation	Survey Vessel	250	Diesel	1	18	11	boat							
124	L-14	Submarine Cable Installation	Pull In Winch	225	Diesel	1	20	11	off							
125	L-15	Southern Transition Approach Construction	Survey Vessel	250	Diesel	0	0	0	boat							
126	L-15	Southern Transition Approach Construction	Pull In Winch	225	Diesel	0	138	0	off							
127	L-15	Southern Transition Approach Construction	Onshore Crane	180	Diesel	1	138	8	off							
128	L-15	Southern Transition Approach Construction	Crane - 200 ton	275	Diesel	1	138	6	off							
129	L-15	Southern Transition Approach Construction	Onshore Vibratory Hammer	300	Diesel	1	138	8	off							
130	L-15	Southern Transition Approach Construction	Air Compressor	50	Diesel	1	138	8	off							
131	L-15	Southern Transition Approach Construction	Truck - Dump 10-12 Yd	415	Diesel	4	138	6	on	hhdt	40	2	320	44160	8	Const Vehicle
132	L-15	Southern Transition Approach Construction	Onshore Dewatering Equip	50	Diesel	2	138	8	off							
133	L-15	Southern Transition Approach Construction	Onshore Trucks	300	Diesel	4	138	8	on	vendor	60	2	480	66240	8	Const Vehicle
134	L-16	Substation Getaways	Pickup - 1/2 Ton	395	Gasoline	4	70	2	on	passenger	40	2	320	22400	8	Automobile
135	L-16	Substation Getaways	Pickup - 1 Ton	410	Diesel	4	70	2	on	passenger	40	2	320	22400	8	Automobile
136	L-16	Substation Getaways	Welding Truck	395	Diesel	2	70	2	on	vendor	40	2	160	11200	4	Const Vehicle
137	L-16	Substation Getaways	Generator – 25 Kw	36	Diesel	2	70	8	off							
138	L-16	Substation Getaways	Crane - 35 Ton (Manlift)	250	Diesel	2	70	5	off							
139	L-16	Substation Getaways	Forklift - 10 K Reach	130	Diesel	2	70	4	off							
140	L-16	Substation Getaways	Forklift -15,000 lb	130	Diesel	1	70	4	off							
141	L-16	Substation Getaways	Loader - 4-5 Yd	74	Diesel	2	70	5	off							
142	L-16	Substation Getaways	Wire Trailer/ Tensioner	175	Diesel	1	70	5	off							
143	L-16	Substation Getaways	Wire Puller	175	Diesel	1	70	5	off							
144	L-16	Substation Getaways	Skid steer loader	74	Diesel	2	70	8	off							
145	L-16	Substation Getaways	Backhoe - 2X4	68	Diesel	2	70	6	off							
146	P-17	Distribution Extension to Substation	Pickup - 1/2 ton	395	Gasoline	2	51	2	on	passenger	40	2	160	8160	4	Automobile
147	P-17	Distribution Extension to Substation	Wire Trailer/ Tensioner	175	Diesel	1	51	5	off							
148	P-17	Distribution Extension to Substation	Wire Puller	175	Diesel	1	51	5	off							
149	P-17	Distribution Extension to Substation	Crane - 35 Ton (Manlift)	250	Diesel	2	51	8	off							
150	P-17	Distribution Extension to Substation	Pickup - 1 Ton	410	Diesel	2	51	2	on	passenger	60	2	240	12240	4	Automobile
151	P-17	Distribution Extension to Substation	Forklift - 15 K Reach	130	Diesel	2	51	6	off							
152	P-17	Distribution Extension to Substation	Pressure Digger - Lo-Drill (Track	275	Diesel	1	51	8	off							
153	P-17	Distribution Extension to Substation	Truck - Dump 10-12 Yd	415	Diesel	2	51	8	on	hhdt	40	2	160	8160	4	Const Vehicle
154	P-17	Distribution Extension to Substation	Skid steer loader	74	Diesel	2	51	8	off							
155	P-17	Distribution Extension to Substation	Truck - Concrete	425	Diesel	4	51	5	on	hhdt	60	2	480	24480	8	Const Vehicle
156	P-17	Distribution Extension to Substation	Backhoe - 2X4	68	Diesel	1	51	8	off							
157	L-18	Fiber Extension to Substation	Crane - 35 Ton (Manlift)	250	Diesel	2	103	8	off							
158	L-18	Fiber Extension to Substation	Forklift - 10 K Reach	130	Diesel	1	103	5	off							
159	L-18	Fiber Extension to Substation	Excavator - Mini	70	Diesel	2	103	5	off							
160	L-18	Fiber Extension to Substation	Truck - Dump 10-12 Yd	415	Diesel	3	103	5	on	hhdt	40	2	240	24720	6	Const Vehicle
161	L-18	Fiber Extension to Substation	Skid steer loader	74	Diesel	2	103	8	off							
162	L-18	Fiber Extension to Substation	Trencher	75	Diesel	1	103	8	off							
163	L-18	Fiber Extension to Substation	Pickup - 1 Ton	410	Diesel	3	103	2	on	passenger	40	2	240	24720	6	Automobile
164	L-18	Fiber Extension to Substation	Truck - Concrete	425	Diesel	2	103	5	on	hhdt	60	2	240	24720	4	Const Vehicle
165	L-18	Fiber Extension to Substation	Wire Trailer/ Tensioner	175	Diesel	1	103	5	off							
166	L-18	Fiber Extension to Substation	Wire Puller	175	Diesel	1	103	5	off							
167	P-19	Pittsburg Substation Upgrades	Pickup - 1/2 Ton	395	Gasoline	4	250	2	on	passenger	40	2	320	104000	8	Automobile
168	P-19	Pittsburg Substation Upgrades	Pickup - 1 Ton	410	Diesel	2	250	2	on	passenger	60	2	240	78000	4	Automobile
169	P-19	Pittsburg Substation Upgrades	Welding Truck	395	Diesel	1	144	5	on	vendor	60	2	120	17280	2	Const Vehicle
170	P-19	Pittsburg Substation Upgrades	Crane - 35 Ton (Manlift)	250	Diesel	1	144	5	off							
171	P-19	Pittsburg Substation Upgrades	Forklift -15,000 lb	130	Diesel	2	144	4	off							
172	P-19	Pittsburg Substation Upgrades	120' Manlift	74	Diesel	2	144	7	off							
173	P-19	Pittsburg Substation Upgrades	Truck - Water 4 K	300	Diesel	1	144	5	on	vendor	60	2	120	17280	2	Const Vehicle

Equip Index	Activity Index	Activity Name	Equipment Name	HP	Fuel Type	Quantity	Days Used	Hours Per Day	On-Off	On Type	On Distance per Trip (miles)	Trips Per Day	Daily VMT	Total VMT	Total Trips per day	Automobile Type
174	P-19	Pittsburg Substation Upgrades	Excavator	108	Diesel	1	144	6	off							
175	P-19	Pittsburg Substation Upgrades	Excavator - Mini	70	Diesel	2	144	5	off							
176	P-19	Pittsburg Substation Upgrades	Generator – 25 Kw	36	Diesel	1	144	8	off							
177	P-19	Pittsburg Substation Upgrades	Truck - Concrete	425	Diesel	4	144	5	on	hhdt	60	2	480	69120	8	Const Vehicle
178	P-19	Pittsburg Substation Upgrades	Loader - 4-5 Yd	230	Diesel	1	144	6	off							
179	P-19	Pittsburg Substation Upgrades	Pressure Digger - Lo-Drill (Track	275	Diesel	1	144	8	off							
180	P-19	Pittsburg Substation Upgrades	Excavator	275	Diesel	1	144	8	off							
181	P-19	Pittsburg Substation Upgrades	Truck - Dump 10-12 Yd	415	Diesel	4	144	5	on	hhdt	40	2	320	46080	8	Const Vehicle
182	P-19	Pittsburg Substation Upgrades	Tool - Van/Conex 20'	0	NA	2	144	8	NA							
183	P-19	Pittsburg Substation Upgrades	Skid steer loader	74	Diesel	2	144	8	off							
184	L-20	Commissioning and Testing	Pickup - 1/2 Ton	395	Gasoline	4	174	2	on	passenger	40	2	320	55680	8	Automobile
185	L-20	Commissioning and Testing	Pickup - 1 Ton	410	Diesel	4	174	2	on	passenger	40	2	320	55680	8	Automobile
186	L-20	Commissioning and Testing	Manlift - 40'	49	Diesel	3	174	8	off							
187	L-20	Commissioning and Testing	Truck - Water 4 K	300	Diesel	1	174	8	on	vendor	40	2	80	13920	2	Const Vehicle
188	L-20	Commissioning and Testing	Tool - Van/Conex 20'	0	NA	6	174	8	NA							
189	L-20	Commissioning and Testing	Deck Barge	N/A	NA	0	174	0	NA							
190	L-20	Commissioning and Testing	Deck Generator	170	Diesel	0	174	0	off							
191	L-20	Commissioning and Testing	Crane - 35 Ton (Manlift)	250	Diesel	2	174	8	off							
192	L-21	Cleanup and Restoration	Pickup - 1 Ton	410	Diesel	4	140	2	on	passenger	40	2	320	44800	8	Automobile
193	L-21	Cleanup and Restoration	Motor Grader	250	Diesel	2	140	8	off							
194	L-21	Cleanup and Restoration	Backhoe - 2X4	68	Diesel	2	140	8	off							
195	L-21	Cleanup and Restoration	Truck - Water 4 K	300	Diesel	2	140	8	on	vendor	40	2	160	22400	4	Const Vehicle
196	L-21	Cleanup and Restoration	Skid steer loader	74	Diesel	1	140	8	off							
197	L-21	Cleanup and Restoration	Excavator	250	Diesel	1	140	8	off							
198	L-21	Cleanup and Restoration	D6 Type Dozer	250	Diesel	1	140	8	off							
199	L-21	Cleanup and Restoration	Pickup - 1/2 Ton	395	Gasoline	4	140	2	on	passenger	40	2	320	44800	8	Automobile
200	L-21	Cleanup and Restoration	Truck - Dump 10-12 Yd	415	Diesel	2	140	8	on	hhdt	40	2	160	22400	4	Const Vehicle
201	L-01	Survey	Worker Commute	NA	Gasoline	4	26	NA	on	passenger	60	2	480	12480	8	Automobile
202	L-02	Site Development/Staging Yards	Worker Commute	NA	Gasoline	12	76	NA	on	passenger	60	2	1440	109440	24	Automobile
203	L-03	Below-Grade Construction	Worker Commute	NA	Gasoline	40	152	NA	on	passenger	60	2	4800	729600	80	Automobile
204	L-04	Above-Grade Construction	Worker Commute	NA	Gasoline	30	333	NA	on	passenger	60	2	3600	1198800	60	Automobile
205	P-05	Foundation Installation	Worker Commute	NA	Gasoline	15	70	NA	on	passenger	60	2	1800	151200	30	Automobile
206	P-06	Structure Installation	Worker Commute	NA	Gasoline	15	40	NA	on	passenger	60	2	1800	86400	30	Automobile
207	P-07	Conductor Installation	Worker Commute	NA	Gasoline	30	40	NA	on	passenger	60	2	3600	169200	60	Automobile
208	L-08	Access Road Construction	Worker Commute	NA	Gasoline	12	16	NA	on	passenger	60	2	1440	23040	24	Automobile
209	L-09	Foundation Installation	Worker Commute	NA	Gasoline	12	22	NA	on	passenger	60	2	1440	31680	24	Automobile
210	L-10	Structure Installation	Worker Commute	NA	Gasoline	12	24	NA	on	passenger	60	2	1440	34560	24	Automobile
211	L-11	Conductor Installation	Worker Commute	NA	Gasoline	30	26	NA	on	passenger	60	2	3600	93600	60	Automobile
212	L-14	Submarine Cable Installation	Worker Commute	NA	Gasoline	25	122	NA	on	passenger	60	2	3000	366000	50	Automobile
213	L-15	Southern Transition Approach Construction	Worker Commute	NA	Gasoline	25	138	NA	on	passenger	60	2	3000	414000	50	Automobile
214	L-16	Substation Getaways	Worker Commute	NA	Gasoline	20	70	NA	on	passenger	60	2	2400	168000	40	Automobile
215	P-17	Distribution Extension to Substation	Worker Commute	NA	Gasoline	10	51	NA	on	passenger	60	2	1200	61200	20	Automobile
216	L-18	Fiber Extension to Substation	Worker Commute	NA	Gasoline	12	103	NA	on	passenger	60	2	1440	148320	24	Automobile
217	P-19	Pittsburg Substation Upgrades	Worker Commute	NA	Gasoline	15	250	NA	on	passenger	60	2	1800	585000	30	Automobile
218	L-20	Commissioning and Testing	Worker Commute	NA	Gasoline	24	174	NA	on	passenger	60	2	2880	501120	48	Automobile
219	L-21	Cleanup and Restoration	Worker Commute	NA	Gasoline	12	140	NA	on	passenger	60	2	1440	201600	24	Automobile
220	P-22	Foundation Installation	Pressure Digger - Lo-Drill (Track	275	Diesel	1	36	8	off							
221	P-22	Foundation Installation	Truck - Concrete	425	Diesel	2	18	4	on	hhdt	60	2	240	4320	4	Const Vehicle
222	P-22	Foundation Installation	Pickup - 1 Ton	410	Diesel	2	48	2	on	passenger	60	2	240	11520	4	Automobile
223	P-22	Foundation Installation	Truck - Water 4 K	300	Diesel	1	48	6	on	vendor	60	2	120	5760	2	Const Vehicle
224	P-22	Foundation Installation	Truck - Dump 10-12 Yd	415	Diesel	1	30	8	on	hhdt	40	2	80	2400	2	Const Vehicle
225	P-22	Foundation Installation	Skid steer loader	74	Diesel	1	30	4	off							
226	P-23	Structure and Conductor Installation	Crane - 35 Ton (Manlift)	250	Diesel	1	36	8	off							
227	P-23	Structure and Conductor Installation	Pickup - 1/2 ton	395	Gasoline	4	36	2	on	passenger	40	2	320	11520	8	Automobile
228	P-23	Structure and Conductor Installation	Pickup - 1 ton	410	Diesel	4	36	2	on	passenger	60	2	480	17280	8	Automobile
229	P-23	Structure and Conductor Installation	Crane - 200 Ton	275	Diesel	1	36	8	off							
230	P-23	Structure and Conductor Installation	D8 Sag Dozer	200	Diesel	1	3	4	off							
231	P-23	Structure and Conductor Installation	Truck - Water 4 K	300	Diesel	1	36	4	on	vendor	60	2	120	4320	2	Const Vehicle

Equip Index	Activity Index	Activity Name	Equipment Name	HP	Fuel Type	Quantity	Days Used	Hours Per Day	On-Off	On Type	On Distance per Trip (miles)	Trips Per Day	Daily VMT	Total VMT	Total Trips per day	Automobile Type
232	P-23	Structure and Conductor Installation	Wire Puller	175	Diesel	1	36	4	off							
233	P-23	Structure and Conductor Installation	Wire Trailer/ Tensioner	175	Diesel	1	36	4	off							
234	P-22	Foundation Installation	Worker Commute	NA	Gasoline	15	48	NA	on	passenger	60	2	1800	86400	30	Automobile
235	P-23	Structure and Conductor Installation	Worker Commute	NA	Gasoline	30	36	NA	on	passenger	60	2	3600	129600	60	Automobile
236	L-24	Northern Transition Approach Construction	Onshore Excavator	600	Diesel	1	138	8	off							
237	L-24	Northern Transition Approach Construction	Onshore End Loader	250	Diesel	1	138	8	off							
238	L-24	Northern Transition Approach Construction	Onshore Crane	180	Diesel	1	138	8	off							
239	L-24	Northern Transition Approach Construction	Air Compressor	50	Diesel	1	138	8	off							
240	L-24	Northern Transition Approach Construction	Truck - Dump 10-12 Yd	415	Diesel	1	138	6	on	hhdt	40	2	80	11040	2	Const Vehicle
241	L-24	Northern Transition Approach Construction	Onshore Dewatering Equip	50	Diesel	2	138	8	off							
242	L-24	Northern Transition Approach Construction	Worker Commute	NA	Gasoline	20	138	NA	on	passenger	60	2	2400	331200	40	Automobile
243	P-25	Tesla Substation Upgrades	Pickup - 1/2 Ton	395	Gasoline	4	144	2	on	passenger	40	2	320	46080	8	Automobile
244	P-25	Tesla Substation Upgrades	Pickup - 1 Ton	410	Diesel	4	144	2	on	passenger	60	2	480	69120	8	Automobile
245	P-25	Tesla Substation Upgrades	Crane - 35 Ton (Manlift)	250	Diesel	2	72	5	off							
246	P-25	Tesla Substation Upgrades	Forklift -15,000 lb	130	Diesel	1	72	4	off							
247	P-25	Tesla Substation Upgrades	Manlift - 40'	49	Diesel	3	72	5	off							
248	P-25	Tesla Substation Upgrades	Excavator	108	Diesel	1	72	8	off							
249	P-25	Tesla Substation Upgrades	Generator – 25 Kw	36	Diesel	1	144	8	off							
250	P-25	Tesla Substation Upgrades	Truck - Concrete	425	Diesel	1	72	3	on	hhdt	60	2	120	8640	2	Const Vehicle
251	P-25	Tesla Substation Upgrades	Truck - Dump 10-12 Yd	415	Diesel	1	72	5	on	hhdt	40	2	80	5760	2	Const Vehicle
252	P-25	Tesla Substation Upgrades	Tool - Van/Conex 20'	0	NA	2	72	8	NA							
253	P-25	Tesla Substation Upgrades	Skid steer loader	74	Diesel	1	72	8	off							
254	P-26	Vaca Dixon Substation Upgrades	Pickup - 1/2 Ton	395	Gasoline	4	224	2	on	passenger	40	2	320	71680	8	Automobile
255	P-26	Vaca Dixon Substation Upgrades	Pickup - 1 Ton	410	Diesel	4	224	2	on	passenger	60	2	480	107520	8	Automobile
256	P-26	Vaca Dixon Substation Upgrades	Crane - 35 Ton (Manlift)	250	Diesel	2	132	5	off							
257	P-26	Vaca Dixon Substation Upgrades	Forklift -15,000 lb	130	Diesel	1	132	4	off							
258	P-26	Vaca Dixon Substation Upgrades	Manlift - 40'	49	Diesel	3	132	5	off							
259	P-26	Vaca Dixon Substation Upgrades	Excavator	108	Diesel	1	132	8	off							
260	P-26	Vaca Dixon Substation Upgrades	Generator – 25 Kw	36	Diesel	1	224	8	off							
261	P-26	Vaca Dixon Substation Upgrades	Truck - Concrete	425	Diesel	1	132	3	on	hhdt	60	2	120	15840	2	Const Vehicle
262	P-26	Vaca Dixon Substation Upgrades	Truck - Dump 10-12 Yd	415	Diesel	1	132	5	on	hhdt	40	2	80	10560	2	Const Vehicle
263	P-26	Vaca Dixon Substation Upgrades	Tool - Van/Conex 20'	0	NA	2	67	8	NA							
264	P-26	Vaca Dixon Substation Upgrades	Skid steer loader	74	Diesel	1	132	8	off							
265	P-25	Tesla Substation Upgrades	Worker Commute	NA	Gasoline	15	144	NA	on	passenger	60	2	1800	259200	30	Automobile
266	P-26	Vaca Dixon Substation Upgrades	Worker Commute	NA	Gasoline	15	224	NA	on	passenger	60	2	1800	403200	30	Automobile
267	P-27	PG&E IT Work	Pickup - 1/2 Ton	395	Gasoline	4	202	2	on	passenger	40	2	320	64640	8	Automobile
268	P-27	PG&E IT Work	Pickup - 1 Ton	410	Diesel	2	202	2	on	passenger	60	2	240	48480	4	Automobile
269	P-27	PG&E IT Work	Crane - 35 Ton (Manlift)	250	Diesel	1	150	5	off							
270	P-27	PG&E IT Work	Forklift -15,000 lb	130	Diesel	2	150	4	off							
271	P-27	PG&E IT Work	120' Manlift	74	Diesel	1	150	7	off							
272	P-27	PG&E IT Work	Truck - Water 4 K	300	Diesel	1	150	5	on	vendor	60	2	120	18000	2	Const Vehicle
273	P-27	PG&E IT Work	Excavator	108	Diesel	1	150	6	off							
274	P-27	PG&E IT Work	Excavator - Mini	70	Diesel	2	150	5	off							
275	P-27	PG&E IT Work	Generator – 25 Kw	36	Diesel	1	202	8	off							
276	P-27	PG&E IT Work	Truck - Concrete	425	Diesel	4	150	5	on	hhdt	60	2	480	72000	8	Const Vehicle
277	P-27	PG&E IT Work	Loader - 4-5 Yd	230	Diesel	1	150	6	off							
278	P-27	PG&E IT Work	Pressure Digger - Lo-Drill (Track	275	Diesel	1	150	8	off							
279	P-27	PG&E IT Work	Excavator	275	Diesel	1	150	8	off							
280	P-27	PG&E IT Work	Truck - Dump 10-12 Yd	415	Diesel	2	150	5	on	hhdt	40	2	160	24000	4	Const Vehicle
281	P-27	PG&E IT Work	Tool - Van/Conex 20'	0	NA	2	202	8	NA							
282	P-27	PG&E IT Work	Skid steer loader	74	Diesel	2	150	8	off							
283	P-27	PG&E IT Work	Worker Commute	NA	Gasoline	15	202	NA	on	passenger	60	2	1800	363600	30	Automobile

Table 56: Average Daily Construction Emissions in BAAQMD (pounds/day)

Calendar Days	Type	Year(s)	ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Total
793	Unctrl	2026-2028	12.7	120.2	96.2	0.3	6.7	221.7	228.4	5.6	23.7	29.3
793	Ctrl	2026-2028	8.9	61.6	115.2	0.3	3.2	61.4	64.6	2.5	7.4	9.9
N/A	Threshold	N/A	54	54	None	None	82	None	None	54	None	None

Table 57: Average Daily Construction Emissions in SMAQMD (pounds/day)

Working Days	Type	Year(s)	ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Total
37	Unctrl	2027	62.5	704.8	330.3	0.7	35.7	2.0	37.7	31.9	0.5	32.4
37	Ctrl	2027	50.0	334.5	328.9	0.7	7.1	2.0	9.1	6.4	0.5	6.9
N/A	Threshold	N/A	None	85	None	None	None	None	80	None	None	82