

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 (PM₁₀),
- PM less than 2.5 microns in diameter (PM_{2.5}),
- Carbon dioxide (CO₂),
- Methane (CH₄), and
- Sulfur hexafluoride (SF₆).

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,
- 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 SF₆ 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 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 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.

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.

1.1.1 On-Road Vehicle Exhaust

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

$$E_{i,j} = EF_{mile,i,j} \times VMT_j \times N_j + EF_{trip,i,j} \times Daily\ Trips_j \times N_j$$

Where:

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

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

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.

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

$EF_{trip_{ij}}$ = 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:

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

Where:

EF_{paved_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 PM₁₀)

sL = road surface silt loading (grams/meter²) (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:

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

Where:

$EF_{unpaved_i}$ = 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 PM₁₀)

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 PM₁₀)

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 PM_{2.5} (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 SF₆ Emissions

The new circuit breakers and gas-insulated switchgear control buildings that would be installed at the proposed LSPGC Collinsville Substation would utilize SF₆ as an insulating medium. The following equation was used to calculate the annual emissions due to the leaking of SF₆ gas during operation:

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

Where:

E_i = SF₆ emissions (pounds of SF₆/year)

L = SF₆ leak rate (percent/year)

M_i = mass of SF₆ 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, For each phase of construction, the 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 and Helicopters

Off-road equipment and helicopter assumptions were taken from Table 3-11: Proposed Construction Equipment and Workforce from the modified version of Chapter 3 – Project Description. ~~Each piece of equipment was conservatively assumed to operate each working day of construction.~~

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 SF₆

The volume of SF₆ 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, a daily construction calendar was established that identified each working day of construction. For each of the 663 days of construction, the anticipated exhaust emission for each pollutant was calculated using the following equation:

$$E_i = \sum_{k=1}^{26} EF_{i,k} \times WD_k$$

Where:

E_i = emissions for pollutant i

k = number of construction phases

$EF_{i,k}$ = daily emissions for pollutant i for phase k (pounds/day)

WD_k = Boolean operator identifying if the current day of construction is considered a working day for phase k (a value of 0 was used for false and 1 for true)

The resulting daily emissions for each year of construction were then summed and divided by the number of working days each year to obtain an average. 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 Sacramento Municipal Air Quality Management District (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: 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
passenger	2026	Gasoline	27.30
vendor	2026	Gasoline	4.86
hhdt	2026	Gasoline	3.88
passenger	2026	Diesel	31.40
vendor	2026	Diesel	8.54
hhdt	2026	Diesel	6.02

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_Gasoline	0.014644442	0.07309315	0.921539269	0.003032571	0.017923298	0.00630439	306.7535052	0.003510266	0.006303007	0.021369135
BAAQMD	2026	passenger	Diesel	passenger_Diesel	0.159638157	0.857387651	0.956873277	0.003255213	0.145653755	0.128040624	343.5396764	0.007414887	0.054124816	0.181737429
BAAQMD	2026	vendor	Gasoline	vendor_Gasoline	0.053188657	0.345527907	1.088094817	0.017238321	0.05843251	0.020057207	1743.707193	0.010924623	0.018155167	0.077612763
BAAQMD	2026	vendor	Diesel	vendor_Diesel	0.023379538	1.023951854	0.096670802	0.01075498	0.068311372	0.029222629	1135.761224	0.001085919	0.178939643	0.026615824
BAAQMD	2026	hhdt	Gasoline	hhdt_Gasoline	0.582587186	3.99666639	32.22734116	0.02182847	0.111730258	0.037977147	2208.014397	0.116680403	0.152262936	0.850109855
BAAQMD	2026	hhdt	Diesel	hhdt_Diesel	0.016161534	1.801210008	0.075912985	0.015006753	0.14111356	0.062106857	1584.762447	0.000750661	0.249679969	0.018398676

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

Region	Calendar Year	Vehicle Category	Fuel	Concat	ROG_Trip	NOx_Trip	CO_Trip	SOx_Trip	PM10_Trip	PM2.5_Trip	CO2_Trip	CH4_Trip	N2O_Trip	TOG_Trip
BAAQMD	2026	HHDT	Gasoline	HHDT_Gasoline	0.508158373	0.1115905136	4.676966153	0.00051703	0.00070838	0.000651329	52.29913043	0.000123478	0.003908625	0.508221906
BAAQMD	2026	HHDT	Diesel	HHDT_Diesel	0	2.950060859	0	0	0	0	0	0	0	0
BAAQMD	2026	LDA	Gasoline	LDA_Gasoline	0.614941463	0.241270473	2.996229992	0.000665369	0.002009963	0.001848087	67.30408939	0.065607984	0.031713573	0.643141192
BAAQMD	2026	LDA	Diesel	LDA_Diesel	0	0	0	0	0	0	0	0	0	0
BAAQMD	2026	LDT1	Gasoline	LDT1_Gasoline	1.081842533	0.355026334	4.78378785	0.000824008	0.00268958	0.00247297	83.35079982	0.095898916	0.037224243	1.127936619
BAAQMD	2026	LDT1	Diesel	LDT1_Diesel	0	0	0	0	0	0	0	0	0	0
BAAQMD	2026	LDT2	Gasoline	LDT2_Gasoline	0.622273878	0.296525092	3.328261856	0.000818462	0.002030522	0.00186699	82.78985472	0.074446339	0.035062004	0.654367264
BAAQMD	2026	LDT2	Diesel	LDT2_Diesel	0	0	0	0	0	0	0	0	0	0
BAAQMD	2026	MHDT	Gasoline	MHDT_Gasoline	0.520940574	0.412263664	5.281942611	0.000443903	0.000524503	0.000482261	44.90208386	0.045094409	0.032362608	0.544139087
BAAQMD	2026	MHDT	Diesel	MHDT_Diesel	0	1.645096047	0	0	0	0	0	0	0	0
BAAQMD	2026	passenger	Gasoline	passenger_Gasoline	0.850225102	0.311962058	3.973016887	0.000782962	0.002354912	0.002165254	79.19888594	0.082963039	0.035306016	0.888345423
BAAQMD	2026	passenger	Diesel	passenger_Diesel	0	0	0	0	0	0	0	0	0	0
BAAQMD	2026	vendor	Gasoline	vendor_Gasoline	0.520940574	0.412263664	5.281942611	0.000443903	0.000524503	0.000482261	44.90208386	0.045094409	0.032362608	0.544139087
BAAQMD	2026	vendor	Diesel	vendor_Diesel	0	1.645096047	0	0	0	0	0	0	0	0
BAAQMD	2026	hhdt	Gasoline	hhdt_Gasoline	0.508158373	0.1115905136	4.676966153	0.00051703	0.00070838	0.000651329	52.29913043	0.000123478	0.003908625	0.508221906
BAAQMD	2026	hhdt	Diesel	hhdt_Diesel	0	2.950060859	0	0	0	0	0	0	0	0

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

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

Note: Assume 347 days of operation

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

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

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

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

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

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

Table 11: Bulldozing Emission Factor (pounds/hour)

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

Table 12: Grading Efficiency by Equipment Type

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

Table 13: Global Warming Potentials

Pollutant	GWP
CO2	1
CH4	25
N2O	298
SF6	23500

Table 14: Activity List

Index	Component	Activity Name	Workforce	Start Date	End Date	Schedule Days	Working Days	BAAQMD Percent	SMAQMD Percent
L-01	General	Survey	4	5/1/2026	6/1/2026	26	26	1	0
L-02	Collinsville Substation	Site Development/Staging Yards	12	5/1/2026	8/1/2026	76	76	1	0
L-03	Collinsville Substation	Below-Grade Construction	40	7/14/2026	1/14/2027	152	152	1	0
L-04	Collinsville Substation	Above-Grade Construction	30	1/2/2027	2/11/2028	333	333	1	0
P-05	500 kV Interconnection	Foundation Installation	15	5/17/2027	8/25/2027	84	70	1	0
P-06	500 kV Interconnection	Structure Installation	15	7/29/2027	9/23/2027	48	40	1	0
P-07	500 kV Interconnection	Conductor Installation	30	9/24/2027	11/19/2027	47	40	1	0
L-08	230 kV - New Overhead Transmission	Access Road Construction	12	5/1/2027	5/19/2027	16	16	1	0
L-09	230 kV - New Overhead Transmission	Foundation Installation	12	5/20/2027	6/15/2027	22	22	1	0
L-10	230 kV - New Overhead Transmission	Structure Installation	12	6/16/2027	7/15/2027	24	24	1	0
L-11	230 kV - New Overhead Transmission	Conductor Installation	30	7/16/2027	8/15/2027	26	26	1	0
L-12	230 kV - New Submerged Cable	Transition Structure Foundation Installation	20	6/15/2026	12/15/2026	150	150	1	0
L-13	230 kV - New Submerged Cable	Transition Structure Installation	20	6/15/2027	7/15/2027	25	25	1	0
L-14	230 kV - New Submerged Cable	Submarine Cable Installation	25	7/1/2027	11/30/2027	125	125	0.7	0.3
L-15	230 kV - Southern Construction	Southern Transition Approach Construction	25	6/15/2027	11/30/2027	138	138	1	0
L-16	230 kV - Southern Construction	Substation Getaways	20	6/1/2027	8/23/2027	70	70	1	0
P-17	12 kV Distribution	Distribution Extension to Substation	10	6/1/2026	8/1/2026	51	51	1	0
L-18	Telecommunications	Fiber Extension to Substation	12	6/1/2027	10/1/2027	103	103	1	0
P-19	Substation Modifications	Vaca Dixon, Tesla, and Pittsburg Substation Upgrades	15	5/1/2027	5/31/2028	325	250	1	0
L-20	General	Commissioning and Testing	24	11/1/2027	6/1/2028	174	174	1	0
L-21	General	Cleanup and Restoration	12	2/1/2028	7/17/2028	140	140	1	0
P-22	500 kV Transposition Structures	Foundation Installation	15	6/1/2027	7/28/2027	48	48	1	0
P-23	500 kV Transposition Structures	Structure and Conductor Installation	30	1/18/2028	2/29/2028	36	36	1	0
L-24	230 kV - Northern Construction	Northern Transition Approach Construction	20	6/15/2027	11/30/2027	138	138	1	0

Table 15: 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	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	Pressure 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	Pressure 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	Rough Terrain Crane	185	Diesel	0	0	0	0	Rough Terrain Crane_185	off		34				Cranes						
54	5	P-05	Foundation Installation	Motor Grader	250	Diesel	0	0	0	0	Motor Grader_250	off	grading	35		3		Graders						
55	5	P-05	Foundation Installation	D4 Type Dozer	130	Diesel	1	20	20	8	D4 Type Dozer_130	off		36				Rubber Tired Dozers						
56	5	P-05	Foundation Installation	Excavator	250	Diesel	1	20	20	8	Excavator_250	off		37				Excavators						
57	5	P-05	Foundation Installation	Vibratory Roller	125	Diesel	1	20	20	8	Vibratory Roller_125	off		38				Rollers						
58	6	P-06	Structure Installation	Crane - 35 Ton (Manlift)	250	Diesel	2		40	8	Crane - 35 Ton (Manlift)_250	off		39				Cranes						
59	6	P-06	Structure Installation	Helicopter - Heavy Duty	3200	Jet	1	13	13	5	Helicopter - Heavy Duty_3200	helicopter												
60	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
61	6	P-06	Structure Installation	Forklift - 25,000 lb	175	Diesel	1	20	20	5	Forklift - 25,000 lb_175	off		40				Forklifts						
62	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
63	6	P-06	Structure Installation	Crane - 200 Ton	275	Diesel	1		40	8	Crane - 200 Ton_275	off		41				Cranes						
64	6	P-06	Structure Installation	844 Loader	417	Diesel	0	0	0	0	844 Loader_417	off		42				Rubber Tired Loaders						
65	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
66	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
67	7	P-07	Conductor Installation	Helicopter	700	Jet	1	12	12	8	Helicopter_700	helicopter												
68	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
69	7	P-07	Conductor Installation	Crane - 35 Ton (Manlift)	250	Diesel	1		40	8	Crane - 35 Ton (Manlift)_250	off		43				Cranes						
70	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
71	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
72	7	P-07	Conductor Installation	D8 Sag Dozer	200	Diesel	1	6	6	8	D8 Sag Dozer_200	off		44				Rubber Tired Dozers						
73	7	P-07	Conductor Installation	Wire Puller	175	Diesel	1		40	5	Wire Puller_175	off		45				Other Construction Equipment						
74	7	P-07	Conductor Installation	Truck - Water 4 K	300	Diesel	2		40	6	Truck - Water													

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	Earth Moving Count	On Type	CalEEModType	On Distance	Trips Per Day	VMT	Total VMT	Total Trips per day	Automobile?
78	8	L-08	Access Road Construction	Motor Grader	250	Diesel	1		16	8	Motor Grader_250	off	grading	47		4		Graders						
79	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
80	8	L-08	Access Road Construction	Skid steer loader	74	Diesel	1		16	8	Skid steer loader_74	off		48				Skid Steer Loaders						
81	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
82	8	L-08	Access Road Construction	D6 Type Dozer	250	Diesel	1		16	8	D6 Type Dozer_250	off	bulldozing	49		5		Rubber Tired Dozers						
83	8	L-08	Access Road Construction	Excavator	250	Diesel	1		16	8	Excavator_250	off		50				Excavators						
84	8	L-08	Access Road Construction	Vibratory Roller	125	Diesel	0		16	8	Vibratory Roller_125	off		51				Rollers						
85	9	L-09	Foundation Installation	Pressure Digger - Lo-Drill (Tracked)	275	Diesel	1		22	8	Pressure Digger - Lo-Drill (Tracked)_275	off		52				Bore/Drill Rigs						
86	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
87	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
88	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
89	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
90	9	L-09	Foundation Installation	Skid steer loader	74	Diesel	1		22	8	Skid steer loader_74	off		53				Skid Steer Loaders						
91	9	L-09	Foundation Installation	Forklift - 10 K Reach	130	Diesel	2		22	8	Forklift - 10 K Reach_130	off		54				Forklifts						
92	9	L-09	Foundation Installation	Crane - 35 Ton (Manlift)	250	Diesel	1		22	4	Crane - 35 Ton (Manlift)_250	off		55				Cranes						
93	9	L-09	Foundation Installation	844 Loader	417	Diesel	1		22	8	844 Loader_417	off		56				Rubber Tired Loaders						
94	9	L-09	Foundation Installation	Rough Terrain Crane	185	Diesel	1		22	2	Rough Terrain Crane_185	off		57				Cranes						
95	10	L-10	Structure Installation	Crane - 35 Ton (Manlift)	250	Diesel	2		24	8	Crane - 35 Ton (Manlift)_250	off		58				Cranes						
96	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
97	10	L-10	Structure Installation	Forklift - 15,000 lb	130	Diesel	1		24	5	Forklift - 15,000 lb_130	off		59				Forklifts						
98	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
99	10	L-10	Structure Installation	Crane - 200 Ton	275	Diesel	1		24	8	Crane - 200 Ton_275	off		60				Cranes						
100	10	L-10	Structure Installation	844 Loader	417	Diesel	1		24	8	844 Loader_417	off		61				Rubber Tired Loaders						
101	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
102	11	L-11	Conductor Installation	Helicopter	700	Jet	1	6	6	10	Helicopter_700	helicopter												
103	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
104	11	L-11	Conductor Installation	Crane - 35 Ton (Manlift)	250	Diesel	6		26	8	Crane - 35 Ton (Manlift)_250	off		62				Cranes						
105	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
106	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
107	11	L-11	Conductor Installation	D8 Sag Dozer	200	Diesel	3		26	8	D8 Sag Dozer_200	off		63				Rubber Tired Dozers						
108	11	L-11	Conductor Installation	Wire Puller	175	Diesel	1		26	5	Wire Puller_175	off		64				Other Construction Equipment						
109	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
110	11	L-11	Conductor Installation	Wire Trailer/ Tensioner	175	Diesel	1		26	5	Wire Trailer/ Tensioner_175	off		65				Other Construction Equipment						
111	11	L-11	Conductor Installation	Deck Barge	N/A	NA	1		26	2	Deck Barge_N/A	NA												
112	11	L-11	Conductor Installation	Tug Boat	3300	Diesel	2		26	6	Tug Boat_3300	boat		65										
113	11	L-11	Conductor Installation	Support Vessel	200	Diesel	2		26	4	Support Vessel_200	boat		65										
114	11	L-11	Conductor Installation	Deck Generator	170	Diesel	1		26	8	Deck Generator_170	off		66				Generator Sets						
115	11	L-11	Conductor Installation	Anchor Winches	100	Diesel	4		26	4	Anchor Winches_100	off		67				Other Construction Equipment						
116	12	L-12	Transition Structure Foundation	Spud Barge	N/A	Diesel	0		150	4	Spud Barge_N/A	NA												
117	12	L-12	Transition Structure Foundation	Hydraulic Unit	100	Diesel	0		150	2	Hydraulic Unit_100	off		68				Other Construction Equipment						
118	12	L-12	Transition Structure Foundation	Tug Boat	3300	Diesel	0		150	6	Tug Boat_3300	boat		68										
119	12	L-12	Transition Structure Foundation	Deck Winch	225	Diesel	0		150	2	Deck Winch_225	off		69				Other Construction Equipment						
120	12	L-12	Transition Structure Foundation	Truck - Concrete	425	Diesel	0		150	10	Truck - Concrete_425	on			42		hhdt		60	2	0	0	0	Const Vehicle
121	12	L-12	Transition Structure Foundation	Concrete Pump	350	Diesel	0		150	3	Concrete Pump_350	off		70				Pumps						
122	12	L-12	Transition Structure Foundation	Generator - 725 Kw	985	Diesel	0		150	8	Generator - 725 Kw_985	off		71				Generator Sets						
123	12	L-12	Transition Structure Foundation	Deck Generator - 100kW	130	Diesel	0		150	8	Deck Generator - 100kW_130	off		72				Generator Sets						
124	12	L-12	Transition Structure Foundation	Support Vessel	200	Diesel	0		150	6	Support Vessel_200	boat		72										
125	12	L-12	Transition Structure Foundation	Air Compressor	50	Diesel	0		150	8	Air Compressor_50	off		73				Air Compressors						
126	12	L-12	Transition Structure Foundation	Vibratory Hammer/Pile Driver	665	Diesel	0		150	8	Vibratory Hammer/Pile Driver_665	off		74				Other Construction Equipment						
127	12	L-12	Transition Structure Foundation	Crane	180	Diesel	0		150	8	Crane_180	off		75				Cranes						
128	12	L-12	Transition Structure Foundation	Engine Welder	25	Diesel	0		150	4	Engine Welder_25	off		76				Welders						
129	12	L-12	Transition Structure Foundation	Support Vessel	200	Diesel	0		150	4	Support Vessel_200	boat		76										
130	13	L-13	Transition Structure Installation	Spud Barge	N/A	Diesel	0		25	4	Spud Barge_N/A	NA												
131	13	L-13	Transition Structure Installation	Deck Barge	N/A	NA	0		25	2	Deck Barge_N/A	NA												
132	13	L-13	Transition Structure Installation	Tug Boat	3300	Diesel	0		25	6	Tug Boat_3300	boat		76										
133	13	L-13	Transition Structure Installation	Barge Mounted Crane	250	Diesel	0		25	8	Barge Mounted Crane_250	off		77				Cranes						
134	13	L-13	Transition Structure Installation	Support Vessel	200	Diesel	0		25	4	Support Vessel_200	boat		77										
135	13	L-13	Transition Structure Installation	Deck Generator	170	Diesel	0		25	8	Deck Generator_170	off		78				Generator Sets						
136	13	L-13	Transition Structure Installation	Air Compressor	50	Diesel	0		25	8	Air Compressor_50	off		79				Air Compressors						
137	13	L-13	Transition Structure Installation	Generator - 725 Kw	985	Diesel	0		25	8	Generator - 725 Kw_985	off		80				Generator Sets						
138	14	L-14	Submarine Cable Installation	Survey Vessel	150	Diesel	2		125	12	Survey Vessel_150	boat		80										
139	14	L-14	Submarine Cable Installation	Tug Boat	1200	Diesel	2		125	8	Tug Boat_1200	boat		80										
140	14	L-14	Submarine Cable Installation	Crew Boat	1200	Diesel	1		125	12	Crew Boat_1200	boat		80										
141	14	L-14	Submarine Cable Installation	Small Boats	250	Gasoline	2		125	12	Small Boats_250	boat		80										
142	14	L-14	Submarine Cable Installation	Crane	180	Diesel	1		125	6	Crane_180	off		81				Cranes						
143	14	L-14	Submarine Cable Installation	Anchor Winches	100	Diesel	4		125	4	Anchor Winches_100	off		82				Other Construction Equipment						
144	14	L-14	Submarine Cable Installation	Generators	150	Diesel	1		125	12	Generators_150	off		83				Generator Sets						
145	14	L-14	Submarine Cable Installation	Misc Deck Equipment	100	Diesel	1		125	12	Misc Deck Equipment_100	off		84				Other Construction Equipment						
146	14	L-14	Submarine Cable Installation	Water Pumps	325	Diesel	2		125	12	Water Pumps_325	off		85				Pumps						
147	14	L-14	Submarine Cable Installation	Pull In Winch	100	Diesel	1		125	12	Pull In Winch_100	off		86				Other Construction Equipment						
148	14	L-14	Submarine Cable Installation	Dive Compressor	50	Diesel	2		125	12	Dive Compressor_50	off		87				Air Compressors						
149	14	L-14	Submarine Cable Installation	Termination Genset	50	Diesel	1		125	12	Termination Genset_50	off		88				Generator Sets						
150	14	L-14	Submarine Cable Installation	Assist Barge: Crane	200	Diesel	1		125	12	Assist Barge: Crane_200	off		89				Cranes						
151	15	L-15	Southern Transition Approach	Onshore Excavator	600	Diesel	1		138	8	Onshore Excavator_600	off		90				Excavators						
152	15	L-15	Southern Transition Approach	Onshore End Loader	250	Diesel	1		138	8	Onshore End Loader_250	off		91				Tractors/Loaders/Backhoes						
153	15	L-15	Southern Transition Approach	Onshore Crane	180	Diesel	1		138	8	Onshore Crane_180	off		92				Cranes						
154	15	L-15	Southern Transition Approach	Crane - 200 ton</																				

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	Earth Moving Count	On Type	CalEEModType	On Distance	Trips Per Day	VMT	Total VMT	Total Trips per day	Automobile?	
157	15	L-15	Southern Transition Approach C	Truck - Dump 10-12 Yd	415	Diesel	4		138	6	Truck - Dump 10-12 Yd_415	on			43		hhdt		40	2	320	44160	8	Const Vehicle	
158	15	L-15	Southern Transition Approach C	Onshore Dewatering Equip	50	Diesel	2		138	8	Onshore Dewatering Equip_50	off		96				Other Construction Equipment							
159	15	L-15	Southern Transition Approach C	Onshore Trucks	300	Diesel	4		138	8	Onshore Trucks_300	on			44		vendor		60	2	480	66240	8	Const Vehicle	
160	16	L-16	Substation Getaways	Pickup - 1/2 Ton	395	Gasoline	4		70	2	Pickup - 1/2 Ton_395	on			45		passenger		40	2	320	22400	8	Automobile	
161	16	L-16	Substation Getaways	Pickup - 1 Ton	410	Diesel	4		70	2	Pickup - 1 Ton_410	on			46		passenger		40	2	320	22400	8	Automobile	
162	16	L-16	Substation Getaways	Welding Truck	395	Diesel	2		70	2	Welding Truck_395	on			47		vendor		40	2	160	11200	4	Const Vehicle	
163	16	L-16	Substation Getaways	Generator -- 25 Kw	36	Diesel	2		70	8	Generator -- 25 Kw_36	off		97				Generator Sets							
164	16	L-16	Substation Getaways	Crane - 35 Ton (Manlift)	250	Diesel	2		70	5	Crane - 35 Ton (Manlift)_250	off		98				Cranes							
165	16	L-16	Substation Getaways	Forklift - 10 K Reach	130	Diesel	2		70	4	Forklift - 10 K Reach_130	off		99				Forklifts							
166	16	L-16	Substation Getaways	Forklift -15,000 lb	130	Diesel	1		70	4	Forklift -15,000 lb_130	off		100				Forklifts							
167	16	L-16	Substation Getaways	Loader - 4-5 Yd	74	Diesel	2		70	5	Loader - 4-5 Yd_74	off		101				Rubber Tired Loaders							
168	16	L-16	Substation Getaways	Wire Trailer/ Tensioner	175	Diesel	1		70	5	Wire Trailer/ Tensioner_175	off		102				Other Construction Equipment							
169	16	L-16	Substation Getaways	Wire Puller	175	Diesel	1		70	5	Wire Puller_175	off		103				Other Construction Equipment							
170	16	L-16	Substation Getaways	Skid steer loader	74	Diesel	2		70	8	Skid steer loader_74	off		104				Skid Steer Loaders							
171	16	L-16	Substation Getaways	Backhoe - 2X4	68	Diesel	2		70	6	Backhoe - 2X4_68	off		105				Excavators							
172	17	P-17	Distribution Extension to Substa	Pickup - 1/2 ton	395	Gasoline	2		51	2	Pickup - 1/2 ton_395	on			48		passenger		40	2	160	8160	4	Automobile	
173	17	P-17	Distribution Extension to Substa	Wire Trailer/ Tensioner	175	Diesel	1		51	5	Wire Trailer/ Tensioner_175	off		106				Other Construction Equipment							
174	17	P-17	Distribution Extension to Substa	Wire Puller	175	Diesel	1		51	5	Wire Puller_175	off		107				Other Construction Equipment							
175	17	P-17	Distribution Extension to Substa	Crane - 35 Ton (Manlift)	250	Diesel	2		51	8	Crane - 35 Ton (Manlift)_250	off		108				Cranes							
176	17	P-17	Distribution Extension to Substa	Pickup - 1 Ton	410	Diesel	2		51	2	Pickup - 1 Ton_410	on			49		passenger		60	2	240	12240	4	Automobile	
177	17	P-17	Distribution Extension to Substa	Forklift - 15 K Reach	130	Diesel	2		51	6	Forklift - 15 K Reach_130	off		109				Forklifts							
178	17	P-17	Distribution Extension to Substa	Pressure Digger - Lo-Drill (Tracked)	275	Diesel	1		51	8	Pressure Digger - Lo-Drill (Tracked)_275	off		110				Bore/Drill Rigs							
179	17	P-17	Distribution Extension to Substa	Truck - Dump 10-12 Yd	415	Diesel	2		51	8	Truck - Dump 10-12 Yd_415	on			50		hhdt		40	2	160	8160	4	Const Vehicle	
180	17	P-17	Distribution Extension to Substa	Skid steer loader	74	Diesel	2		51	8	Skid steer loader_74	off		111				Skid Steer Loaders							
181	17	P-17	Distribution Extension to Substa	Truck - Concrete	425	Diesel	4		51	5	Truck - Concrete_425	on			51		hhdt		60	2	480	24480	8	Const Vehicle	
182	17	P-17	Distribution Extension to Substa	Backhoe - 2X4	68	Diesel	1		51	8	Backhoe - 2X4_68	off		112				Excavators							
183	18	L-18	Fiber Extension to Substation	Crane - 35 Ton (Manlift)	250	Diesel	2		103	8	Crane - 35 Ton (Manlift)_250	off		113				Cranes							
184	18	L-18	Fiber Extension to Substation	Forklift - 10 K Reach	130	Diesel	1		103	5	Forklift - 10 K Reach_130	off		114				Forklifts							
185	18	L-18	Fiber Extension to Substation	Excavator - Mini	70	Diesel	2		103	5	Excavator - Mini_70	off		115				Excavators							
186	18	L-18	Fiber Extension to Substation	Truck - Dump 10-12 Yd	415	Diesel	3		103	5	Truck - Dump 10-12 Yd_415	on			52		hhdt		40	2	240	24720	6	Const Vehicle	
187	18	L-18	Fiber Extension to Substation	Skid steer loader	74	Diesel	2		103	8	Skid steer loader_74	off		116				Skid Steer Loaders							
188	18	L-18	Fiber Extension to Substation	Trencher	75	Diesel	1		103	8	Trencher_75	off		117				Trenchers							
189	18	L-18	Fiber Extension to Substation	Pickup - 1 Ton	410	Diesel	3		103	2	Pickup - 1 Ton_410	on			53		passenger		40	2	240	24720	6	Automobile	
190	18	L-18	Fiber Extension to Substation	Truck - Concrete	425	Diesel	2		103	5	Truck - Concrete_425	on			54		hhdt		60	2	240	24720	4	Const Vehicle	
191	18	L-18	Fiber Extension to Substation	Wire Trailer/ Tensioner	175	Diesel	1		103	5	Wire Trailer/ Tensioner_175	off		118				Other Construction Equipment							
192	18	L-18	Fiber Extension to Substation	Wire Puller	175	Diesel	1		103	5	Wire Puller_175	off		119				Other Construction Equipment							
193	18	L-18	Fiber Extension to Substation	Truck - Water 4 K	300	Diesel	0		103	6	Truck - Water 4 K_300	on			55		vendor		40	2	0	0	0	Const Vehicle	
194	19	P-19	Vaca Dixon, Tesla, and Pittsburg	Pickup - 1/2 Ton	395	Gasoline	4		250	2	Pickup - 1/2 Ton_395	on			56		passenger		40	2	320	104000	8	Automobile	
195	19	P-19	Vaca Dixon, Tesla, and Pittsburg	Pickup - 1 Ton	410	Diesel	4		250	2	Pickup - 1 Ton_410	on			57		passenger		60	2	480	156000	8	Automobile	
196	19	P-19	Vaca Dixon, Tesla, and Pittsburg	Welding Truck	395	Diesel	2		250	5	Welding Truck_395	on			58		vendor		60	2	240	78000	4	Const Vehicle	
197	19	P-19	Vaca Dixon, Tesla, and Pittsburg	Crane - 35 Ton (Manlift)	250	Diesel	2		250	8	Crane - 35 Ton (Manlift)_250	off		120				Cranes							
198	19	P-19	Vaca Dixon, Tesla, and Pittsburg	Forklift -15,000 lb	130	Diesel	1		250	4	Forklift -15,000 lb_130	off		121				Forklifts							
199	19	P-19	Vaca Dixon, Tesla, and Pittsburg	Manlift - 40'	49	Diesel	3		250	8	Manlift - 40'_49	off		122				Aerial Lifts							
200	19	P-19	Vaca Dixon, Tesla, and Pittsburg	120' Manlift	74	Diesel	2		250	4	120' Manlift_74	off		123				Aerial Lifts							
201	20	L-20	Commissioning and Testing	Pickup - 1/2 Ton	395	Gasoline	4		174	2	Pickup - 1/2 Ton_395	on			59		passenger		40	2	320	55680	8	Automobile	
202	20	L-20	Commissioning and Testing	Pickup - 1 Ton	410	Diesel	4		174	2	Pickup - 1 Ton_410	on			60		passenger		40	2	320	55680	8	Automobile	
203	20	L-20	Commissioning and Testing	Manlift - 40'	49	Diesel	3		174	8	Manlift - 40'_49	off		124				Aerial Lifts							
204	20	L-20	Commissioning and Testing	Truck - Water 4 K	300	Diesel	1		174	8	Truck - Water 4 K_300	on			61		vendor		40	2	80	13920	2	Const Vehicle	
205	20	L-20	Commissioning and Testing	Tool - Van/Conex 20'	0	NA	6		174	8	Tool - Van/Conex 20'_0	NA													
206	20	L-20	Commissioning and Testing	Deck Barge	N/A	NA	1		174	2	Deck Barge_N/A	NA													
207	20	L-20	Commissioning and Testing	Tug Boat	3300	Diesel	2		174	6	Tug Boat_3300	boat		124											
208	20	L-20	Commissioning and Testing	Support Vessel	200	Diesel	2		174	4	Support Vessel_200	boat		124											
209	20	L-20	Commissioning and Testing	Deck Generator	170	Diesel	1		174	8	Deck Generator_170	off		125				Generator Sets							
210	20	L-20	Commissioning and Testing	Crane - 35 Ton (Manlift)	250	Diesel	2		174	8	Crane - 35 Ton (Manlift)_250	off		126				Cranes							
211	21	L-21	Cleanup and Restoration	Pickup - 1 Ton	410	Diesel	4		140	2	Pickup - 1 Ton_410	on			62		passenger		40	2	320	44800	8	Automobile	
212	21	L-21	Cleanup and Restoration	Motor Grader	250	Diesel	2		140	8	Motor Grader_250	off	grading	127			6		Graders						
213	21	L-21	Cleanup and Restoration	Backhoe - 2X4	68	Diesel	2		140	8	Backhoe - 2X4_68	off		128				Excavators							
214	21	L-21	Cleanup and Restoration	Truck - Water 4 K	300	Diesel	2		140	8	Truck - Water 4 K_300	on			63		vendor		40	2	160	22400	4	Const Vehicle	
215	21	L-21	Cleanup and Restoration	Skid steer loader	74	Diesel	1		140	8	Skid steer loader_74	off		129				Skid Steer Loaders							
216	21	L-21	Cleanup and Restoration	Excavator	250	Diesel	1		140	8	Excavator_250	off		130				Excavators							
217	21	L-21	Cleanup and Restoration	D6 Type Dozer	250	Diesel	1		140	8	D6 Type Dozer_250	off	bulldozing	131			7		Rubber Tired Dozers						
218	21	L-21	Cleanup and Restoration	Pickup - 1/2 Ton	395	Gasoline	4		140	2	Pickup - 1/2 Ton_395	on			64		passenger		40	2	320	44800	8	Automobile	
219	21	L-21	Cleanup and Restoration	Truck - Dump 10-12 Yd	415	Diesel	2		140	8	Truck - Dump 10-12 Yd_415	on			65		hhdt		40	2	160	22400	4	Const Vehicle	
220	1	L-01	Survey	Worker Commute	NA	Gasoline	4		26	NA	Worker Commute_NA	on			66		passenger		60	2	480	12480	8	Automobile	
221	2	L-02	Site Development/Staging Yards	Worker Commute	NA	Gasoline	12		76	NA	Worker Commute_NA	on			67		passenger		60	2	1440	109440	24	Automobile	
222	3	L-03	Below-Grade Construction	Worker Commute	NA	Gasoline	40		152	NA	Worker Commute_NA	on			68		passenger		60	2	4800	729600	80	Automobile	
223	4	L-04	Above-Grade Construction	Worker Commute	NA	Gasoline	30		333	NA	Worker Commute_NA	on			69		passenger		60	2	3600	1198800	60	Automobile	
224	5	P-05	Foundation Installation	Worker Commute	NA	Gasoline	15		70	NA	Worker Commute_NA	on			70		passenger		60	2	1800	151200	30	Automobile	
225	6	P-06	Structure Installation	Worker Commute	NA	Gasoline	15		40	NA	Worker Commute_NA	on			71		passenger		60	2	1800	86400	30	Automobile	
226	7	P-07	Conductor Installation	Worker Commute	NA	Gasoline	30		40	NA	Worker Commute_NA	on			72		passenger		60	2	3600	169200	60	Automobile	
227	8	L-08	Access Road Construction	Worker Commute	NA	Gasoline	12		16	NA	Worker Commute_NA	on			73		passenger		60	2	1440	23040	24	Automobile	
228	9	L-09	Foundation Installation	Worker Commute	NA	Gasoline	12																		

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	Earth Moving Count	On Type	CalEEModType	On Distance	Trips Per Day	VMT	Total VMT	Total Trips per day	Automobile?
236	17	P-17	Distribution Extension to Substa	Worker Commute	NA	Gasoline	10		51	NA	Worker Commute_NA	on			82		passenger		60	2	1200	61200	20	Automobile
237	18	L-18	Fiber Extension to Substation	Worker Commute	NA	Gasoline	12		103	NA	Worker Commute_NA	on			83		passenger		60	2	1440	148320	24	Automobile
238	19	P-19	Vaca Dixon, Tesla, and Pittsburg	Worker Commute	NA	Gasoline	15		250	NA	Worker Commute_NA	on			84		passenger		60	2	1800	585000	30	Automobile
239	20	L-20	Commissioning and Testing	Worker Commute	NA	Gasoline	24		174	NA	Worker Commute_NA	on			85		passenger		60	2	2880	501120	48	Automobile
240	21	L-21	Cleanup and Restoration	Worker Commute	NA	Gasoline	12		140	NA	Worker Commute_NA	on			86		passenger		60	2	1440	201600	24	Automobile
241	22	P-22	Foundation Installation	Pressure Digger - Lo-Drill (Tracked)	275	Diesel	1	36	36	8	Pressure Digger - Lo-Drill (Tracked)_2	off		132				Bore/Drill Rigs						
242	22	P-22	Foundation Installation	Truck - Concrete	425	Diesel	2	18	18	4	Truck - Concrete_425	on			87		hhdt		60	2	240	4320	4	Const Vehicle
243	22	P-22	Foundation Installation	Pickup - 1 Ton	410	Diesel	2		48	2	Pickup - 1 Ton_410	on			88		passenger		60	2	240	11520	4	Automobile
244	22	P-22	Foundation Installation	Truck - Water 4 K	300	Diesel	1		48	6	Truck - Water 4 K_300	on			89		vendor		60	2	120	5760	2	Const Vehicle
245	22	P-22	Foundation Installation	Truck - Dump 10-12 Yd	415	Diesel	1	30	30	8	Truck - Dump 10-12 Yd_415	on			90		hhdt		40	2	80	2400	2	Const Vehicle
246	22	P-22	Foundation Installation	Skid steer loader	74	Diesel	1	30	30	4	Skid steer loader_74	off		133				Skid Steer Loaders						
247	22	P-22	Foundation Installation	Crane - 35 Ton (Manlift)	250	Diesel	0	0	0	0	Crane - 35 Ton (Manlift)_250	off		134				Cranes						
248	22	P-22	Foundation Installation	Excavator	250	Diesel	0	0	0	0	Excavator_250	off		135				Excavators						
249	23	P-23	Structure and Conductor Installa	Crane - 35 Ton (Manlift)	250	Diesel	1		36	8	Crane - 35 Ton (Manlift)_250	off		136				Cranes						
250	23	P-23	Structure and Conductor Installa	Pickup - 1/2 ton	395	Gasoline	4		36	2	Pickup - 1/2 ton_395	on			91		passenger		40	2	320	11520	8	Automobile
251	23	P-23	Structure and Conductor Installa	Pickup - 1 ton	410	Diesel	4		36	2	Pickup - 1 ton_410	on			92		passenger		60	2	480	17280	8	Automobile
252	23	P-23	Structure and Conductor Installa	Crane - 200 Ton	275	Diesel	1		36	8	Crane - 200 Ton_275	off		137				Cranes						
253	23	P-23	Structure and Conductor Installa	D8 Sag Dozer	200	Diesel	1	3	3	4	D8 Sag Dozer_200	off		138				Rubber Tired Dozers						
254	23	P-23	Structure and Conductor Installa	Truck - Water 4 K	300	Diesel	1		36	4	Truck - Water 4 K_300	on			93		vendor		60	2	120	4320	2	Const Vehicle
255	23	P-23	Structure and Conductor Installa	Wire Puller	175	Diesel	1		36	4	Wire Puller_175	off		139				Other Construction Equipment						
256	23	P-23	Structure and Conductor Installa	Wire Trailer/ Tensioner	175	Diesel	1		36	4	Wire Trailer/ Tensioner_175	off		140				Other Construction Equipment						
257	22	P-22	Foundation Installation	Worker Commute	NA	Gasoline	15		48	NA	Worker Commute_NA	on			94		passenger		60	2	1800	86400	30	Automobile
258	23	P-23	Structure and Conductor Installa	Worker Commute	NA	Gasoline	30		36	NA	Worker Commute_NA	on			95		passenger		60	2	3600	129600	60	Automobile
259	24	L-24	Northern Transition Approach C	Onshore Excavator	600	Diesel	1		138	8	Onshore Excavator_600	off		141				Excavators						
260	24	L-24	Northern Transition Approach C	Onshore End Loader	250	Diesel	1		138	8	Onshore End Loader_250	off		142				Tractors/Loaders/Backhoes						
261	24	L-24	Northern Transition Approach C	Onshore Crane	180	Diesel	1		138	8	Onshore Crane_180	off		143				Cranes						
262	24	L-24	Northern Transition Approach C	Crane - 200 ton	275	Diesel	0		138	6	Crane - 200 ton_275	off		144				Cranes						
263	24	L-24	Northern Transition Approach C	Onshore Vibratory Hammer	300	Diesel	0		138	8	Onshore Vibratory Hammer_300	off		145				Other Construction Equipment						
264	24	L-24	Northern Transition Approach C	Air Compressor	50	Diesel	1		138	8	Air Compressor_50	off		146				Air Compressors						
265	24	L-24	Northern Transition Approach C	Truck - Dump 10-12 Yd	415	Diesel	1		138	6	Truck - Dump 10-12 Yd_415	on			96		hhdt		40	2	80	11040	2	Const Vehicle
266	24	L-24	Northern Transition Approach C	Onshore Dewatering Equip	50	Diesel	2		138	8	Onshore Dewatering Equip_50	off		147				Other Construction Equipment						
267	24	L-24	Northern Transition Approach C	Onshore Trucks	300	Diesel	0		138	8	Onshore Trucks_300	on			97		vendor		60	2	0	0	0	Const Vehicle
268	24	L-24	Northern Transition Approach C	Worker Commute	NA	Gasoline	20		138	NA	Worker Commute_NA	on			98		passenger		60	2	2400	331200	40	Automobile

Table 16: On-Road Vehicle Distance Assumptions

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

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

Count	Activity Index	Activity Name	Equipment Name	Fuel Type	Quantity	Hours Per Day	CalEEModType	HP	LF	CalEEMod Bin	Tier Bin	Year	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
1	L-02	Site Development/Staging Yards	Loader - 4-S Yd	Diesel	2		8 Rubber Tired Loaders	230	0.36	6	5	2026	0.511336	3.905703	3.404929	0.1214207	0.131143	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	0.25385	2.105085	1.62585	0.010255	0.093611	0.086122	1109.816	0.045019	0.009044
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	0.073463	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		8 Rubber Tired Loaders	417	0.36	7	6	2026	0.37116	2.588289	2.452164	0.00967	0.098505	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-S Yd	Diesel	2		8 Rubber Tired Loaders	230	0.36	6	5	2026	0.511336	3.905703	3.404929	0.1214207	0.131143	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	0.067579	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	0.073463	0.068414	534.0437	0.021663	0.004333
24	L-04	Above-Grade Construction	Crane - 35 Ton (Manlift)	Diesel	2		8 Cranes	250	0.29	6	5	2026	0.399439	4.012829	2.371229	0.007786	0.16693	0.153575	843.2305	0.034705	0.006841
25	L-04	Above-Grade Construction	Forklift - 10 K Reach	Diesel	2		4 Forklifts	130	0.2	5	4	2026	0.088175	0.657906	1.448369	0.002234	0.030315	0.030734	241.8763	0.009812	0.001962
26	L-04	Above-Grade Construction	Forklift - 15,000 lb	Diesel	1		4 Forklifts	130	0.2	5	4	2026	0.044087	0.328953	0.724184	0.00117	0.016508	0.015187	120.9381	0.004906	0.000981
27	L-04	Above-Grade Construction	Loader - 4-S Yd	Diesel	2		5 Rubber Tired Loaders	134	0.36	3	2	2026	1.145721	9.073461	3.714154	0.002819	0.655249	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	0.284227	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-S Yd	Diesel	1		8 Rubber Tired Loaders	230	0.36	6	5	2026	0.255668	1.952852	1.702465	0.007103	0.065571	0.060326	769.0052	0.031194	0.006239
34	P-05	Foundation Installation	Rough Terrain Crane	Diesel	0		0 Cranes	185	0.29	6	5	2026	0	0	0	0	0	0	0	0	0
35	P-05	Foundation Installation	Motor Grader	Diesel	0		0 Graders	250	0.41	6	5	2026	0	0	0	0	0	0	0	0	0
36	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
37	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	0.03598	0.007818
38	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
39	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	0.245721	0.245721	1349.169	0.054728	0.010946
40	P-06	Structure Installation	Forklift - 25,000 lb	Diesel	1		6 Forklifts	175	0.2	6	5	2026	0.07294	0.543283	0.467804	0.001882	0.020738	0.019079	203.8008	0.008367	0.001653
41	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
42	P-06	Structure Installation	844 Loader	Diesel	0		8 Rubber Tired Loaders	417	0.36	7	6	2026	0	0	0	0	0	0	0	0	0
43	P-07	Conductor Installation	Crane - 35 Ton (Manlift)	Diesel	1		8 Cranes	250	0.29	6	5	2026	0.319551	3.210263	1.896893	0.006229	0.133544	0.12286	674.5844	0.027364	0.005473
44	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
45	P-07	Conductor Installation	Wire Puller	Diesel	1		5 Other Construction Equipment	175	0.42	6	5	2026	0.165642	1.659343	1.11341	0.00396	0.066025	0.060743	428.804	0.017394	0.003479
46	P-07	Conductor Installation	Wire Trailer/ Tensioner	Diesel	1		5 Other Construction Equipment	175	0.42	6	5	2026	0.165642	1.659343	1.11341	0.00396	0.066025	0.060743	428.804	0.017394	0.003479
47	L-08	Access Road Construction	Motor Grader	Diesel	1		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
48	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
49	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
50	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	0.03598	0.007818
51	L-08	Access Road Construction	Vibratory Roller	Diesel	0		8 Rollers	125	0.38	5	4	2026	0	0	0	0	0	0	0	0	0
52	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
53	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
54	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
55	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
56	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
57	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
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Count	Activity Index	Activity Name	Equipment Name	Fuel Type	Quantity	Hours Per Day	CalEEModType	HP	LF	CalEEMod Bin	Tier Bin	Year	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O	
88	L-14	Submarine Cable Installation	Termination Genset	Diesel	1	12	Generator Sets	50	0.74		2	2	2026	0.330716	3.310937	3.652319	0.007192	0.077462	0.071265	556.2955	0.022566	0.004513
89	L-14	Submarine Cable Installation	Assist Barge: Crane	Diesel	1	12	Cranes	200	0.29		6	5	2026	0.383462	3.852316	2.27638	0.007475	0.160253	0.147432	809.5013	0.032837	0.006567
90	L-15	Southern Transition Approach Construction	Onshore Excavator	Diesel	1	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
91	L-15	Southern 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
92	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
93	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
94	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
95	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
96	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
97	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
98	L-16	Substation Getaways	Crane - 35 Ton (Manlift)	Diesel	2	5	Cranes	250	0.29		6	5	2026	0.399439	4.012829	2.371229	0.01117	0.165058	0.153575	843.2305	0.034205	0.006841
99	L-16	Substation Getaways	Forklift - 10 K Reach	Diesel	2	4	Forklifts	130	0.2		5	4	2026	0.088175	0.657906	1.448369	0.002234	0.033015	0.030374	241.8763	0.009812	0.001962
100	L-16	Substation Getaways	Forklift - 15,000 lb	Diesel	1	4	Forklifts	130	0.2		5	4	2026	0.044087	0.328953	0.724184	0.001117	0.016508	0.015187	120.9381	0.004906	0.000981
101	L-16	Substation Getaways	Loader - 4-5 Yd	Diesel	2	5	Rubber Tired Loaders	74	0.36		3	2	2026	1.145721	9.073461	3.714154	0.002839	0.665249	0.612029	310.1138	0.01258	0.002516
102	L-16	Substation Getaways	Wire Trailer/ Tensioner	Diesel	1	5	Other Construction Equipment	175	0.42		6	5	2026	0.165642	1.659343	1.11341	0.00396	0.066025	0.060743	428.804	0.017394	0.003479
103	L-16	Substation Getaways	Wire Puller	Diesel	1	5	Other Construction Equipment	175	0.42		6	5	2026	0.165642	1.659343	1.11341	0.00396	0.066025	0.060743	428.804	0.017394	0.003479
104	L-16	Substation Getaways	Skid steer loader	Diesel	2	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
105	L-16	Substation Getaways	Backhoe - ZX4	Diesel	2	6	Excavators	68	0.38		3	2	2026	0.497255	3.656965	2.867659	0.003362	0.378505	0.348224	364.97	0.014805	0.002961
106	P-17	Distribution Extension to Substation	Wire Trailer/ Tensioner	Diesel	1	5	Other Construction Equipment	175	0.42		6	5	2026	0.165642	1.659343	1.11341	0.00396	0.066025	0.060743	428.804	0.017394	0.003479
107	P-17	Distribution Extension to Substation	Wire Puller	Diesel	1	5	Other Construction Equipment	175	0.42		6	5	2026	0.165642	1.659343	1.11341	0.00396	0.066025	0.060743	428.804	0.017394	0.003479
108	P-17	Distribution Extension to Substation	Crane - 35 Ton (Manlift)	Diesel	2	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
109	P-17	Distribution Extension to Substation	Forklift - 15 K Reach	Diesel	2	6	Forklifts	130	0.2		5	4	2026	0.132262	0.986858	2.172553	0.003351	0.049523	0.045561	362.8144	0.014717	0.002943
110	P-17	Distribution Extension to Substation	Pressure Digger - Lo-Drill (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
111	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
112	P-17	Distribution Extension to Substation	Backhoe - ZX4	Diesel	1	6	Excavators	68	0.38		3	2	2026	0.331504	2.437977	1.911772	0.002441	0.252336	0.232149	243.3133	0.00987	0.001974
113	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
114	L-18	Fiber Extension to Substation	Forklift - 10 K Reach	Diesel	1	5	Forklifts	130	0.2		5	4	2026	0.055109	0.411191	0.90523	0.001396	0.020635	0.018984	151.1727	0.006132	0.001226
115	L-18	Fiber Extension to Substation	Excavator - Mini	Diesel	2	5	Excavators	70	0.38		3	2	2026	0.426567	3.137103	2.460001	0.003231	0.153191	0.140935	350.1083	0.014202	0.00284
116	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
117	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
118	L-18	Fiber Extension to Substation	Wire Trailer/ Tensioner	Diesel	1	5	Other Construction Equipment	175	0.42		6	5	2026	0.165642	1.659343	1.11341	0.00396	0.066025	0.060743	428.804	0.017394	0.003479
119	L-18	Fiber Extension to Substation	Wire Puller	Diesel	1	5	Other Construction Equipment	175	0.42		6	5	2026	0.165642	1.659343	1.11341	0.00396	0.066025	0.060743	428.804	0.017394	0.003479
120	P-19	Vaca Dixon, Tesla, and Pittsburg Substation Upgrades	Crane - 35 Ton (Manlift)	Diesel	2	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
121	P-19	Vaca Dixon, Tesla, and Pittsburg Substation Upgrades	Forklift - 15,000 lb	Diesel	1	4	Forklifts	130	0.2		5	4	2026	0.044087	0.328953	0.724184	0.001117	0.016508	0.015187	120.9381	0.004906	0.000981
122	P-19	Vaca Dixon, Tesla, and Pittsburg Substation Upgrades	Manlift - 40'	Diesel	3	4	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
123	P-19	Vaca Dixon, Tesla, and Pittsburg Substation Upgrades	120' Manlift	Diesel	2	4	Aerial Lifts	74	0.31		3	2	2026	0.041555	0.628427	1.27938	0.001974	0.01236	0.011372	213.5724	0.008663	0.001733
124	L-20	Commissioning and Testing	Manlift - 40'	Diesel	3	4	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
125	L-20	Commissioning and Testing	Deck Generator	Diesel	1	8	Generator Sets	170	0.74		2	4	2026	0.749623	7.50479	8.278589	0.016301	0.17558	0.161533	1260.936	0.051149	0.01023
126	L-20	Commissioning and Testing	Crane - 35 Ton (Manlift)	Diesel	2	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
127	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
128	L-21	Cleanup and Restoration	Backhoe - ZX4	Diesel	2	6	Excavators	68	0.38		3	2	2026	0.663007	4.875954	3.823545	0.004483	0.504673	0.464299	486.6267	0.01974	0.003948
129	L-21	Cleanup and Restoration	Skid steer loader	Diesel	1	8	Skid Steer Loaders	74	0.37		3	2	2026	0.064619	0.872717	1.566772	0.002359	0.024837	0.02285	255.2712	0.010355	0.002071
130	L-21	Cleanup and Restoration	Excavator	Diesel	1	8	Excavators	175	0.38		6	5	2026	0.217813	1.537948	1.84158	0.008177	0.052095	0.047928	884.9688	0.025988	0.007818
131	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
132	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
133	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
134	P-22	Foundation Installation	Crane - 35 Ton (Manlift)	Diesel	0	0	Cranes	250	0.29		6	5	2026	0	0	0	0	0	0	0	0	0
135	P-22	Foundation Installation	Excavator	Diesel	0	0	Excavators	250	0.38		6	5	2026	0	0	0	0	0	0	0	0	0
136	P-22	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
137	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
138	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
139	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
140	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
141	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
142	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	0.007					

Table 18: Off-Road Uncontrolled Emissions (tons)

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
1	L-02	76	0.019431	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	0	0	0	0	0	0	0	0	0	0
35	P-05	0	0	0	0	0	0	0	0	0	0
36	P-05	20	0.003978	0.03399	0.032784	4.46746E-05	0.002018	0.001856	4.842705	0.000196	3.92883E-05
37	P-05	20	0.002178	0.015379	0.018416	8.17657E-05	0.000521	0.000479	8.849688	0.000359	7.17964E-05
38	P-05	20	0.00101	0.00838	0.024386	4.08221E-05	0.000373	0.000343	4.418058	0.000179	3.58432E-05
39	P-06	40	0.012782	0.128411	0.075879	0.000249158	0.005342	0.004914	26.98338	0.001095	0.000218913
40	P-06	20	0.000729	0.005433	0.004678	1.88243E-05	0.000207	0.000191	2.038008	8.27E-05	1.65341E-05
41	P-06	40	0.00703	0.070626	0.041734	0.000137037	0.002938	0.002703	14.84086	0.000602	0.000120402
42	P-06	0	0	0	0	0	0	0	0	0	0
43	P-07	40	0.006391	0.064205	0.03794	0.000124579	0.002671	0.002457	13.49169	0.000547	0.000109456
44	P-07	6	0.002018	0.021508	0.015104	2.06324E-05	0.000953	0.000877	2.237026	9.07E-05	1.81487E-05
45	P-07	40	0.003313	0.033187	0.022268	7.9208E-05	0.00132	0.001215	8.57608	0.000348	6.95767E-05
46	P-07	40	0.003313	0.033187	0.022268	7.9208E-05	0.00132	0.001215	8.57608	0.000348	6.95767E-05
47	L-08	16	0.003168	0.030644	0.017306	7.04805E-05	0.001031	0.000948	7.631719	0.00031	6.19152E-05
48	L-08	16	0.000517	0.006982	0.012534	1.88681E-05	0.000199	0.000183	2.04217	8.28E-05	1.65679E-05
49	L-08	16	0.006727	0.071692	0.050348	6.87746E-05	0.003177	0.002923	7.456752	0.000302	6.04957E-05
50	L-08	16	0.001743	0.012304	0.014733	6.54126E-05	0.000417	0.000383	7.07975	0.000287	5.74371E-05
51	L-08	16	0	0	0	0	0	0	0	0	0
52	L-09	22	0.003105	0.028617	0.028304	0.000129506	0.00094	0.000864	14.01581	0.000569	0.000113709
53	L-09	22	0.000711	0.0096	0.017235	2.59436E-05	0.000273	0.000251	2.807984	0.000114	2.27808E-05
54	L-09	22	0.00194	0.014474	0.031864	4.91498E-05	0.000726	0.000668	5.321278	0.000216	4.31709E-05
55	L-09	22	0.001758	0.017656	0.010433	3.42592E-05	0.000734	0.000676	3.710214	0.000151	3.01005E-05
56	L-09	22	0.005444	0.037962	0.035965	0.000141823	0.001415	0.001302	15.35424	0.000623	0.000124567
57	L-09	22	0.00065	0.006533	0.00386	1.26759E-05	0.000272	0.00025	1.372779	5.57E-05	1.11372E-05
58	L-10	24	0.007669	0.077046	0.045528	0.000149495	0.003205	0.002949	16.19003	0.000657	0.000131348
59	L-10	24	0.000661	0.004934	0.010863	1.67556E-05	0.000248	0.000228	1.814072	7.36E-05	1.47173E-05
60	L-10	24	0.004218	0.042375	0.02504	8.22221E-05	0.001763	0.001622	8.904514	0.000361	7.22412E-05
61	L-10	24	0.005939	0.041413	0.039235	0.000154716	0.001544	0.001421	16.75008	0.000679	0.000135891
62	L-11	26	0.024925	0.250401	0.147965	0.000485858	0.010416	0.009583	52.61758	0.002134	0.00042688
63	L-11	26	0.026234	0.279599	0.196358	0.000268221	0.012391	0.0114	29.08133	0.00118	0.000235933
64	L-11	26	0.002153	0.021571	0.014474	5.14852E-05	0.000858	0.00079	5.574452	0.000226	4.52248E-05
65	L-11	26	0.002153	0.021571	0.014474	5.14852E-05	0.000858	0.00079	5.574452	0.000226	4.52248E-05
66	L-11	26	0.009745	0.097562	0.107622	0.00021191	0.002283	0.0021	16.39217	0.000665	0.000132988
67	L-11	26	0.004266	0.037668	0.060569	9.37587E-05	0.001947	0.001791	10.15245	0.000412	8.23656E-05

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
68	L-12	150	0	0	0	0	0	0	0	0	0
69	L-12	150	0	0	0	0	0	0	0	0	0
70	L-12	150	0	0	0	0	0	0	0	0	0
71	L-12	150	0	0	0	0	0	0	0	0	0
72	L-12	150	0	0	0	0	0	0	0	0	0
73	L-12	150	0	0	0	0	0	0	0	0	0
74	L-12	150	0	0	0	0	0	0	0	0	0
75	L-12	150	0	0	0	0	0	0	0	0	0
76	L-12	150	0	0	0	0	0	0	0	0	0
77	L-13	25	0	0	0	0	0	0	0	0	0
78	L-13	25	0	0	0	0	0	0	0	0	0
79	L-13	25	0	0	0	0	0	0	0	0	0
80	L-13	25	0	0	0	0	0	0	0	0	0
81	L-14	125	0.010785	0.108346	0.064023	0.000210227	0.004507	0.004147	22.76722	0.000924	0.000184708
82	L-14	125	0.020508	0.181094	0.291198	0.000450763	0.009359	0.00861	48.80986	0.00198	0.000395988
83	L-14	125	0.062009	0.620801	0.68481	0.001348409	0.014524	0.013362	104.3054	0.004231	0.000846217
84	L-14	125	0.015381	0.13582	0.218399	0.000338072	0.007019	0.006458	36.6074	0.001485	0.000296991
85	L-14	125	0.296392	2.725982	3.112696	0.005843658	0.067045	0.061681	452.033	0.018336	0.003667287
86	L-14	125	0.015381	0.13582	0.218399	0.000338072	0.007019	0.006458	36.6074	0.001485	0.000296991
87	L-14	125	0.040645	0.289341	0.382711	0.000583067	0.007822	0.007196	45.10281	0.00183	0.000365913
88	L-14	125	0.02067	0.206934	0.22827	0.00044947	0.004841	0.004454	34.76847	0.00141	0.000282072
89	L-14	125	0.023966	0.24077	0.142274	0.000467171	0.010016	0.009215	50.59383	0.002052	0.000410461
90	L-15	138	0.045467	0.394202	0.357059	0.001360361	0.013948	0.012832	147.2596	0.005973	0.001194699
91	L-15	138	0.017849	0.143633	0.137289	0.000548642	0.005614	0.005165	59.38936	0.002409	0.000481818
92	L-15	138	0.015875	0.159486	0.094242	0.000309454	0.006634	0.006104	33.51335	0.001359	0.00027189
93	L-15	138	0.01819	0.182744	0.107986	0.000354583	0.007602	0.006994	38.40072	0.001558	0.00031154
94	L-15	138	0.022812	0.195983	0.189926	0.0007487	0.007403	0.006811	81.04119	0.003287	0.000657477
95	L-15	138	0.014957	0.106477	0.140838	0.000214569	0.002879	0.002648	16.59784	0.000673	0.000134656
96	L-15	138	0.0587	0.502043	0.242318	0.00024554	0.038619	0.035529	26.71516	0.001084	0.000216737
97	L-16	70	0.011112	0.111247	0.122718	0.000241635	0.002603	0.002394	18.69153	0.000758	0.000151642
98	L-16	70	0.01398	0.140449	0.082993	0.000272516	0.005843	0.005375	29.51307	0.001197	0.000239436
99	L-16	70	0.003086	0.023027	0.050693	7.81928E-05	0.001156	0.001063	8.46567	0.000343	6.86809E-05
100	L-16	70	0.001543	0.011513	0.025346	3.90964E-05	0.000578	0.000532	4.232835	0.000172	3.43405E-05
101	L-16	70	0.0401	0.317571	0.129995	9.93562E-05	0.023284	0.021421	10.85398	0.00044	8.8057E-05

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
102	L-16	70	0.005797	0.058077	0.038969	0.000138614	0.002311	0.002126	15.00814	0.000609	0.000121759
103	L-16	70	0.005797	0.058077	0.038969	0.000138614	0.002311	0.002126	15.00814	0.000609	0.000121759
104	L-16	70	0.004523	0.06109	0.109674	0.000165095	0.001739	0.001599	17.86899	0.000725	0.000144969
105	L-16	70	0.017404	0.127994	0.100368	0.00011767	0.013248	0.012188	12.77395	0.000518	0.000103633
106	P-17	51	0.004224	0.042313	0.028392	0.00010099	0.001684	0.001549	10.9345	0.000444	8.87102E-05
107	P-17	51	0.004224	0.042313	0.028392	0.00010099	0.001684	0.001549	10.9345	0.000444	8.87102E-05
108	P-17	51	0.016297	0.163723	0.096746	0.000317676	0.006811	0.006266	34.40381	0.001396	0.000279114
109	P-17	51	0.003373	0.025165	0.0554	8.54536E-05	0.001263	0.001162	9.251768	0.000375	7.50584E-05
110	P-17	51	0.007198	0.066339	0.065613	0.000300219	0.002178	0.002004	32.4912	0.001318	0.000263597
111	P-17	51	0.003296	0.044509	0.079905	0.000120284	0.001267	0.001165	13.01883	0.000528	0.00010562
112	P-17	51	0.008453	0.062168	0.04875	5.7154E-05	0.006435	0.00592	6.20449	0.000252	5.03362E-05
113	L-18	103	0.032914	0.330657	0.195389	0.000641581	0.013755	0.012655	69.48219	0.002819	0.0005637
114	L-18	103	0.002838	0.021176	0.046619	7.19095E-05	0.001063	0.000978	7.785393	0.000316	6.31619E-05
115	L-18	103	0.021968	0.161561	0.12669	0.00014853	0.016722	0.015384	16.12398	0.000654	0.000130812
116	L-18	103	0.006656	0.08989	0.161378	0.000242926	0.002558	0.002354	26.29294	0.001067	0.000213311
117	L-18	103	0.012869	0.126971	0.123211	0.000166383	0.007889	0.007258	18.03058	0.000731	0.00014628
118	L-18	103	0.008531	0.085456	0.057341	0.000203961	0.0034	0.003128	22.08341	0.000896	0.00017916
119	L-18	103	0.008531	0.085456	0.057341	0.000203961	0.0034	0.003128	22.08341	0.000896	0.00017916
120	P-19	250	0.079888	0.802566	0.474246	0.001557236	0.033386	0.030715	168.6461	0.006841	0.001368205
121	P-19	250	0.005511	0.041119	0.090523	0.00013963	0.002063	0.001898	15.11727	0.000613	0.000122645
122	P-19	250	0.015318	0.288712	0.308971	0.000544759	0.00208	0.001914	58.96267	0.002392	0.000478357
123	P-19	250	0.005194	0.078553	0.159922	0.000246694	0.001545	0.001421	26.69655	0.001083	0.000216586
124	L-20	174	0.010662	0.200944	0.215044	0.000379152	0.001448	0.001332	41.03802	0.001665	0.000332936
125	L-20	174	0.065217	0.652917	0.720237	0.001418166	0.015275	0.014053	109.7015	0.00445	0.000889994
126	L-20	174	0.055602	0.558586	0.330075	0.001083836	0.023237	0.021378	117.3777	0.004761	0.00095227
127	L-21	140	0.055446	0.536268	0.302859	0.001233408	0.018034	0.016591	133.5551	0.005418	0.001083516
128	L-21	140	0.046411	0.341317	0.267648	0.000313787	0.035327	0.032501	34.06387	0.001382	0.000276356
129	L-21	140	0.004523	0.06109	0.109674	0.000165095	0.001739	0.001599	17.86899	0.000725	0.000144969
130	L-21	140	0.015247	0.107656	0.128911	0.00057236	0.003647	0.003355	61.94781	0.002513	0.000502575
131	L-21	140	0.058859	0.627305	0.440547	0.000601778	0.027801	0.025577	65.24658	0.002647	0.000529337
132	P-22	36	0.005081	0.046827	0.046315	0.000211919	0.001538	0.001415	22.93497	0.00093	0.000186069
133	P-22	30	0.000485	0.006545	0.011751	1.76888E-05	0.000186	0.000171	1.914534	7.77E-05	1.55324E-05
134	P-22	0	0	0	0	0	0	0	0	0	0
135	P-22	0	0	0	0	0	0	0	0	0	0

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
136	P-23	36	0.005752	0.057785	0.034146	0.000112121	0.002404	0.002211	12.14252	0.000493	9.85107E-05
137	P-23	36	0.006327	0.063563	0.03756	0.000123333	0.002644	0.002433	13.35677	0.000542	0.000108362
138	P-23	3	0.000505	0.005377	0.003776	5.15809E-06	0.000238	0.000219	0.559256	2.27E-05	4.53718E-06
139	P-23	36	0.002385	0.023895	0.016033	5.70297E-05	0.000951	0.000875	6.174777	0.00025	5.00952E-05
140	P-23	36	0.002385	0.023895	0.016033	5.70297E-05	0.000951	0.000875	6.174777	0.00025	5.00952E-05
141	L-24	138	0.045467	0.394202	0.357059	0.001360361	0.013948	0.012832	147.2596	0.005973	0.001194699
142	L-24	138	0.017849	0.143633	0.137289	0.000548642	0.005614	0.005165	59.38936	0.002409	0.000481818
143	L-24	138	0.015875	0.159486	0.094242	0.000309454	0.006634	0.006104	33.51335	0.001359	0.00027189
144	L-24	138	0	0	0	0	0	0	0	0	0
145	L-24	138	0	0	0	0	0	0	0	0	0
146	L-24	138	0.014957	0.106477	0.140838	0.000214569	0.002879	0.002648	16.59784	0.000673	0.000134656
147	L-24	138	0.0587	0.502043	0.242318	0.00024554	0.038619	0.035529	26.71516	0.001084	0.000216737

Table 19: 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	Scrapper	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	0.279844	0.059569
4	L-02	Site Development/Staging Yards	Vibratory Roller	Diesel	2	8	Rollers	157	0.38	5	Tier 4 Final, 4	2026	0.535222	0.547155	7.86436	0.010255	0.021044	0.021044	1109.816	0.045019	0.009094
5	L-02	Site Development/Staging Yards	Generator - 25 Kw	Diesel	2	8	Generator Sets	36	0.74	5	Tier 4 Final, 1	2026	0.317487	3.178499	3.506226	0.006894	0.006894	0.006894	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	4	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	3.56274	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	0.312551	3.08183	2.905568	0.004038	0.193488	0.176169	457.6533	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	0.122927	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	0.01565	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	0.006481
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	0.002734	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	0.000881
27	L-04	Above-Grade Construction	Loader - 4-5 Yd	Diesel	2	5	Rubber Tired Loaders	230	0.36	3	Tier 4 Final, 2	2026	0.145721	0.973461	3.714154	0.002839	0.665249	0.612029	310.1138	0.02158	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	8	4	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	Rough Terrain Crane	Diesel	0	0	Cranes	185	0.29	6	Tier 4 Final, 5	2026	0	0	0	0	0	0	0	0	0
35	P-05	Foundation Installation	Motor Grader	Diesel	0	0	Graders	250	0.41	6	Tier 4 Final, 5	2026	0	0	0	0	0	0	0	0	0
36	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
37	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
38	P-05	Foundation Installation	Vibratory Roller	Diesel	1	8	Rollers	125	0.38	6	Tier 4 Final, 4	2026	0.041888	0.217816	3.099696	0.004082	0.008378	0.008378	441.8058	0.017922	0.003584
39	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	0.045728	0.010946
40	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
41	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
42	P-06	Structure Installation	844 Loader	Diesel	0	0	Rubber Tired Loaders	417	0.36	7	Tier 4 Final, 6	2026	0	0	0	0	0	0	0	0	0
43	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	0.006239	0.012787	0.012787	674.5844	0.027364	0.005473
44	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	0.014111	0.014111	745.6752	0.030248	0.00605
45	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
46	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
47	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
48	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
49	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
50	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
51	L-08	Access Road Construction	Vibratory Roller	Diesel	5	8	Rollers	125	0.38	5	Tier 4 Final, 4	2026	0	0	0	0	0	0	0	0	0
52	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
53	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
54	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
55	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
56	L-09																				

Count	Activity Index	Activity Name	Equipment Name	Fuel Type	Quantity	Hours Per Day	CALEModType	HP	LF	CALEMod Bin	Tier Bin Name	Year	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
90	L-15	Southern Transition Approach Construction	Onshore Excavator	Diesel	1	8	Excavators	600	0.38		8 Tier 4 Final_7	2026	0.201061	1.045519	10.45519	0.019175	0.040212	0.040212	2134.197	0.086572	0.017314
91	L-15	Southern 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
92	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
93	L-15	Southern Transition Approach Construction	Crane - 200 ton	Diesel	1	6	Cranes	275	0.29		6 Tier 4 Final_5	2026	0.052746	0.274277	2.742768	0.005139	0.010549	0.010549	556.5321	0.027575	0.004515
94	L-15	Southern Transition Approach Construction	Onshore Vibratory Hammer	Diesel	1	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
95	L-15	Southern Transition Approach Construction	Air Compressor	Diesel	1	8	Air Compressors	50	0.48		7 Tier 4 Final_6	2026	0.216772	1.543152	2.041128	0.00311	0.041718	0.03838	240.5483	0.009758	0.001952
96	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
97	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
98	L-16	Substation Getaways	Crane - 35 Ton (Manlift)	Diesel	2	5	Cranes	250	0.29		6 Tier 4 Final_5	2026	0.079917	0.415571	4.155709	0.007786	0.015983	0.015983	843.2305	0.034205	0.006841
99	L-16	Substation Getaways	Forklift - 10 K Reach	Diesel	2	4	Forklifts	130	0.2		5 Tier 4 Final_4	2026	0.022928	0.119226	1.696676	0.002234	0.004586	0.004586	241.8763	0.009812	0.001962
100	L-16	Substation Getaways	Forklift -15,000 lb	Diesel	1	4	Forklifts	130	0.2		5 Tier 4 Final_4	2026	0.011464	0.059613	0.848338	0.001117	0.002293	0.002293	120.9381	0.004906	0.000981
101	L-16	Substation Getaways	Loader - 4-5 Yd	Diesel	2	5	Rubber Tired Loaders	74	0.36		3 Tier 4 Final_2	2026	1.145721	0.973461	3.714154	0.002839	0.665249	0.612029	130.1138	0.01258	0.002516
102	L-16	Substation Getaways	Wire Trailer/ Tensioner	Diesel	1	5	Other Construction Equipment	175	0.42		6 Tier 4 Final_5	2026	0.04051	0.210651	2.106514	0.00396	0.008102	0.008102	428.804	0.017394	0.003479
103	L-16	Substation Getaways	Wire Puller	Diesel	1	5	Other Construction Equipment	175	0.42		6 Tier 4 Final_5	2026	0.04051	0.210651	2.106514	0.00396	0.008102	0.008102	428.804	0.017394	0.003479
104	L-16	Substation Getaways	Skid steer loader	Diesel	2	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
105	L-16	Substation Getaways	Backhoe - 2X4	Diesel	2	6	Excavators	68	0.38		3 Tier 4 Final_2	2026	0.497255	3.656965	2.867659	0.003362	0.378505	0.348224	364.97	0.014805	0.002961
106	P-17	Distribution Extension to Substation	Wire Trailer/ Tensioner	Diesel	1	5	Other Construction Equipment	175	0.42		6 Tier 4 Final_5	2026	0.04051	0.210651	2.106514	0.00396	0.008102	0.008102	428.804	0.017394	0.003479
107	P-17	Distribution Extension to Substation	Wire Puller	Diesel	1	5	Other Construction Equipment	175	0.42		6 Tier 4 Final_5	2026	0.04051	0.210651	2.106514	0.00396	0.008102	0.008102	428.804	0.017394	0.003479
108	P-17	Distribution Extension to Substation	Crane - 35 Ton (Manlift)	Diesel	2	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
109	P-17	Distribution Extension to Substation	Forklift - 15 K Reach	Diesel	2	6	Forklifts	130	0.2		5 Tier 4 Final_4	2026	0.034392	0.178839	2.545013	0.003351	0.006878	0.006878	362.8144	0.014717	0.002943
110	P-17	Distribution Extension to Substation	Pressure Digger - Lo-Drill (T	Diesel	1	8	Bore/Drill Rigs	275	0.5		6 Tier 4 Final_5	2026	0.121254	0.630521	6.305213	0.011773	0.024251	0.024251	1274.165	0.051686	0.010337
111	P-17	Distribution Extension to Substation	Skid steer loader	Diesel	2	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
112	P-17	Distribution Extension to Substation	Backhoe - 2X4	Diesel	1	8	Excavators	68	0.38		3 Tier 4 Final_2	2026	0.331504	2.437977	1.911772	0.002241	0.252336	0.232149	243.3133	0.00987	0.001974
113	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
114	L-18	Fiber Extension to Substation	Forklift - 10 K Reach	Diesel	1	5	Forklifts	130	0.2		5 Tier 4 Final_4	2026	0.01433	0.074516	1.060422	0.001396	0.002866	0.002866	151.1727	0.006132	0.001226
115	L-18	Fiber Extension to Substation	Excavator - Mini	Diesel	2	5	Excavators	70	0.38		3 Tier 4 Final_2	2026	0.426567	3.137103	2.460001	0.002884	0.324697	0.298722	313.087	0.0127	0.00254
116	L-18	Fiber Extension to Substation	Skid steer loader	Diesel	2	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
117	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
118	L-18	Fiber Extension to Substation	Wire Trailer/ Tensioner	Diesel	1	5	Other Construction Equipment	175	0.42		6 Tier 4 Final_5	2026	0.04051	0.210651	2.106514	0.00396	0.008102	0.008102	428.804	0.017394	0.003479
119	L-18	Fiber Extension to Substation	Wire Puller	Diesel	1	5	Other Construction Equipment	175	0.42		6 Tier 4 Final_5	2026	0.04051	0.210651	2.106514	0.00396	0.008102	0.008102	428.804	0.017394	0.003479
120	P-19	Vaca Dixon, Tesla, and Pittsburg Substation Upgrades	Crane - 35 Ton (Manlift)	Diesel	2	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
121	P-19	Vaca Dixon, Tesla, and Pittsburg Substation Upgrades	Forklift -15,000 lb	Diesel	1	4	Forklifts	130	0.2		5 Tier 4 Final_4	2026	0.011464	0.059613	0.848338	0.001117	0.002293	0.002293	120.9381	0.004906	0.000981
122	P-19	Vaca Dixon, Tesla, and Pittsburg Substation Upgrades	Manlift - 40'	Diesel	3	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
123	P-19	Vaca Dixon, Tesla, and Pittsburg Substation Upgrades	120' Manlift	Diesel	2	4	Aerial Lifts	74	0.31		3 Tier 4 Final_2	2026	0.041555	0.628427	1.27938	0.001974	0.01236	0.011372	213.5724	0.008663	0.001733
124	L-20	Commissioning and Testing	Manlift - 40'	Diesel	3	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
125	L-20	Commissioning and Testing	Deck Generator	Diesel	1	8	Generator Sets	170	0.74		2 Tier 4 Final_4	2026	0.110936	0.57687	8.2093	0.016301	0.022187	0.022187	1260.936	0.051149	0.01023
126	L-20	Commissioning and Testing	Crane - 35 Ton (Manlift)	Diesel	2	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
127	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
128	L-21	Cleanup and Restoration	Backhoe - 2X4	Diesel	2	8	Excavators	68	0.38		3 Tier 4 Final_2	2026	0.663007	4.875954	3.823545	0.004483	0.504673	0.464299	486.6267	0.01974	0.003948
129	L-21	Cleanup and Restoration	Skid steer loader	Diesel	1	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
130	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
131	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
132	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
133	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	0.001379	0.012418	0.011425	127.6356	0.005177	0.001035
134	P-22	Foundation Installation	Crane - 35 Ton (Manlift)	Diesel	0	0	Cranes	250	0.29		6 Tier 4 Final_5	2026	0	0	0	0	0	0	0	0	0
135	P-22	Foundation Installation	Excavator	Diesel	0	0	Excavators	250	0.38		6 Tier 4 Final_5	2026	0	0	0	0	0	0	0	0	0
136	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
137	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
138	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
139	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
140	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
141	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	0.019175	0.040212	0.040212	2134.197	0.086572	0.017314
142	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
143	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
144	L-24	Northern Transition Approach Construction	Crane - 200 ton	Diesel	0	6	Cranes	275	0.29		6 Tier 4 Final_5	2026	0	0	0	0	0				

Table 20: Off-Road Controlled Emissions (tons)

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
1	L-02	76	0.005549	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	0	0	0	0	0	0	0	0	0	0
35	P-05	0	0	0	0	0	0	0	0	0	0
36	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
37	P-05	20	0.000838	0.004356	0.043563	8.17657E-05	0.000168	0.000168	8.849688	0.000359	7.17964E-05
38	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
39	P-06	40	0.002557	0.013298	0.132983	0.000249158	0.000511	0.000511	26.98338	0.001095	0.000218913
40	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
41	P-06	40	0.001407	0.007314	0.07314	0.000137037	0.000281	0.000281	14.84086	0.000602	0.000120402
42	P-06	0	0	0	0	0	0	0	0	0	0
43	P-07	40	0.001279	0.006649	0.066491	0.000124579	0.000256	0.000256	13.49169	0.000547	0.000109456
44	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
45	P-07	40	0.00081	0.004213	0.04213	7.9208E-05	0.000162	0.000162	8.57608	0.000348	6.95767E-05
46	P-07	40	0.00081	0.004213	0.04213	7.9208E-05	0.000162	0.000162	8.57608	0.000348	6.95767E-05
47	L-08	16	0.000723	0.00376	0.037602	7.04805E-05	0.000145	0.000145	7.631719	0.00031	6.19152E-05
48	L-08	16	0.000517	0.006982	0.012534	1.88681E-05	0.000199	0.000183	2.04217	8.28E-05	1.65679E-05
49	L-08	16	0.000705	0.003668	0.036685	6.87746E-05	0.000141	0.000141	7.456752	0.000302	6.04957E-05
50	L-08	16	0.00067	0.003485	0.034851	6.54126E-05	0.000134	0.000134	7.07975	0.000287	5.74371E-05
51	L-08	16	0	0	0	0	0	0	0	0	0
52	L-09	22	0.001334	0.006936	0.069357	0.000129506	0.000267	0.000267	14.01581	0.000569	0.000113709
53	L-09	22	0.000711	0.0096	0.017235	2.59436E-05	0.000273	0.000251	2.807984	0.000114	2.27808E-05
54	L-09	22	0.000504	0.002623	0.037327	4.91498E-05	0.000101	0.000101	5.321278	0.000216	4.31709E-05
55	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
56	L-09	22	0.001456	0.007572	0.075723	0.000141823	0.000291	0.000291	15.35424	0.000623	0.000124567
57	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
58	L-10	24	0.001534	0.007979	0.07979	0.000149495	0.000307	0.000307	16.19003	0.000657	0.000131348
59	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
60	L-10	24	0.000844	0.004388	0.043884	8.22221E-05	0.000169	0.000169	8.904514	0.000361	7.22412E-05
61	L-10	24	0.001589	0.008261	0.082607	0.000154716	0.000318	0.000318	16.75008	0.000679	0.000135891
62	L-11	26	0.004987	0.025932	0.259316	0.000485858	0.000997	0.000997	52.61758	0.002134	0.00042688
63	L-11	26	0.002751	0.014307	0.143071	0.000268221	0.00055	0.00055	29.08133	0.00118	0.000235933
64	L-11	26	0.000527	0.002738	0.027385	5.14852E-05	0.000105	0.000105	5.574452	0.000226	4.52248E-05
65	L-11	26	0.000527	0.002738	0.027385	5.14852E-05	0.000105	0.000105	5.574452	0.000226	4.52248E-05
66	L-11	26	0.001442	0.007499	0.106721	0.00021191	0.000288	0.000288	16.39217	0.000665	0.000132988
67	L-11	26	0.000963	0.005007	0.07126	9.37587E-05	0.000193	0.000193	10.15245	0.000412	8.23656E-05

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
68	L-12	150	0	0	0	0	0	0	0	0	0
69	L-12	150	0	0	0	0	0	0	0	0	0
70	L-12	150	0	0	0	0	0	0	0	0	0
71	L-12	150	0	0	0	0	0	0	0	0	0
72	L-12	150	0	0	0	0	0	0	0	0	0
73	L-12	150	0	0	0	0	0	0	0	0	0
74	L-12	150	0	0	0	0	0	0	0	0	0
75	L-12	150	0	0	0	0	0	0	0	0	0
76	L-12	150	0	0	0	0	0	0	0	0	0
77	L-13	25	0	0	0	0	0	0	0	0	0
78	L-13	25	0	0	0	0	0	0	0	0	0
79	L-13	25	0	0	0	0	0	0	0	0	0
80	L-13	25	0	0	0	0	0	0	0	0	0
81	L-14	125	0.002158	0.01122	0.112204	0.000210227	0.000432	0.000432	22.76722	0.000924	0.000184708
82	L-14	125	0.00463	0.024074	0.342598	0.000450763	0.000926	0.000926	48.80986	0.00198	0.000395988
83	L-14	125	0.009177	0.047719	0.679078	0.001348409	0.001835	0.001835	104.3054	0.004231	0.000846217
84	L-14	125	0.003472	0.018056	0.256948	0.000338072	0.000694	0.000694	36.6074	0.001485	0.000296991
85	L-14	125	0.039766	0.206782	2.067823	0.005843658	0.007953	0.007953	452.033	0.018336	0.003667287
86	L-14	125	0.003472	0.018056	0.256948	0.000338072	0.000694	0.000694	36.6074	0.001485	0.000296991
87	L-14	125	0.040645	0.289341	0.382711	0.000583067	0.007822	0.007196	45.10281	0.00183	0.000365913
88	L-14	125	0.02067	0.206934	0.22827	0.00044947	0.004841	0.004454	34.76847	0.00141	0.000282072
89	L-14	125	0.004795	0.024934	0.249343	0.000467171	0.000959	0.000959	50.59383	0.002052	0.000410461
90	L-15	138	0.013873	0.072141	0.721408	0.001360361	0.002775	0.002775	147.2596	0.005973	0.001194699
91	L-15	138	0.005628	0.029268	0.292677	0.000548642	0.001126	0.001126	59.38936	0.002409	0.000481818
92	L-15	138	0.003176	0.016516	0.165164	0.000309454	0.000635	0.000635	33.51335	0.001359	0.00027189
93	L-15	138	0.003639	0.018925	0.189251	0.000354583	0.000728	0.000728	38.40072	0.001558	0.00031154
94	L-15	138	0.007667	0.039867	0.398673	0.0007487	0.001533	0.001533	81.04119	0.003287	0.000657477
95	L-15	138	0.014957	0.106477	0.140838	0.000214569	0.002879	0.002648	16.59784	0.000673	0.000134656
96	L-15	138	0.0587	0.502043	0.242318	0.00024554	0.038619	0.035529	26.71516	0.001084	0.000216737
97	L-16	70	0.011112	0.111247	0.122718	0.000241635	0.002603	0.002394	18.69153	0.000758	0.000151642
98	L-16	70	0.002797	0.014545	0.14545	0.000272516	0.000559	0.000559	29.51307	0.001197	0.000239436
99	L-16	70	0.000802	0.004173	0.059384	7.81928E-05	0.00016	0.00016	8.46567	0.000343	6.86809E-05
100	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
101	L-16	70	0.0401	0.317571	0.129995	9.93562E-05	0.023284	0.021421	10.85398	0.00044	8.8057E-05

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
102	L-16	70	0.001418	0.007373	0.073728	0.000138614	0.000284	0.000284	15.00814	0.000609	0.000121759
103	L-16	70	0.001418	0.007373	0.073728	0.000138614	0.000284	0.000284	15.00814	0.000609	0.000121759
104	L-16	70	0.004523	0.06109	0.109674	0.000165095	0.001739	0.001599	17.86899	0.000725	0.000144969
105	L-16	70	0.017404	0.127994	0.100368	0.00011767	0.013248	0.012188	12.77395	0.000518	0.000103633
106	P-17	51	0.001033	0.005372	0.053716	0.00010099	0.000207	0.000207	10.9345	0.000444	8.87102E-05
107	P-17	51	0.001033	0.005372	0.053716	0.00010099	0.000207	0.000207	10.9345	0.000444	8.87102E-05
108	P-17	51	0.003261	0.016955	0.169553	0.000317676	0.000652	0.000652	34.40381	0.001396	0.000279114
109	P-17	51	0.000877	0.00456	0.064898	8.54536E-05	0.000175	0.000175	9.251768	0.000375	7.50584E-05
110	P-17	51	0.003092	0.016078	0.160783	0.000300219	0.000618	0.000618	32.4912	0.001318	0.000263597
111	P-17	51	0.003296	0.044509	0.079905	0.000120284	0.001267	0.001165	13.01883	0.000528	0.00010562
112	P-17	51	0.008453	0.062168	0.04875	5.7154E-05	0.006435	0.00592	6.20449	0.000252	5.03362E-05
113	L-18	103	0.006585	0.034243	0.34243	0.000641581	0.001317	0.001317	69.48219	0.002819	0.0005637
114	L-18	103	0.000738	0.003838	0.054612	7.19095E-05	0.000148	0.000148	7.785393	0.000316	6.31619E-05
115	L-18	103	0.021968	0.161561	0.12669	0.00014853	0.016722	0.015384	16.12398	0.000654	0.000130812
116	L-18	103	0.006656	0.08989	0.161378	0.000242926	0.002558	0.002354	26.29294	0.001067	0.000213311
117	L-18	103	0.012869	0.126971	0.123211	0.000166383	0.007889	0.007258	18.03058	0.000731	0.00014628
118	L-18	103	0.002086	0.010849	0.108485	0.000203961	0.000417	0.000417	22.08341	0.000896	0.00017916
119	L-18	103	0.002086	0.010849	0.108485	0.000203961	0.000417	0.000417	22.08341	0.000896	0.00017916
120	P-19	250	0.015983	0.083114	0.831142	0.001557236	0.003197	0.003197	168.6461	0.006841	0.001368205
121	P-19	250	0.001433	0.007452	0.106042	0.00013963	0.000287	0.000287	15.11727	0.000613	0.000122645
122	P-19	250	0.015318	0.288712	0.308971	0.000544759	0.00208	0.001914	58.96267	0.002392	0.000478357
123	P-19	250	0.005194	0.078553	0.159922	0.000246694	0.001545	0.001421	26.69655	0.001083	0.000216586
124	L-20	174	0.010662	0.200944	0.215044	0.000379152	0.001448	0.001332	41.03802	0.001665	0.000332936
125	L-20	174	0.009651	0.050188	0.714209	0.001418166	0.00193	0.00193	109.7015	0.00445	0.000889994
126	L-20	174	0.011125	0.057847	0.578475	0.001083836	0.002225	0.002225	117.3777	0.004761	0.00095227
127	L-21	140	0.012655	0.065803	0.658035	0.001233408	0.002531	0.002531	133.5551	0.005418	0.001083516
128	L-21	140	0.046411	0.341317	0.267648	0.000313787	0.035327	0.032501	34.06387	0.001382	0.000276356
129	L-21	140	0.004523	0.06109	0.109674	0.000165095	0.001739	0.001599	17.86899	0.000725	0.000144969
130	L-21	140	0.005864	0.030494	0.304943	0.00057236	0.001173	0.001173	61.94781	0.002513	0.000502575
131	L-21	140	0.006173	0.032099	0.320993	0.000601778	0.001235	0.001235	65.24658	0.002647	0.000529337
132	P-22	36	0.002183	0.011349	0.113494	0.000211919	0.000437	0.000437	22.93497	0.00093	0.000186069
133	P-22	30	0.000485	0.006545	0.011751	1.76888E-05	0.000186	0.000171	1.914534	7.77E-05	1.55324E-05
134	P-22	0	0	0	0	0	0	0	0	0	0
135	P-22	0	0	0	0	0	0	0	0	0	0

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
136	P-23	36	0.001151	0.005984	0.059842	0.000112121	0.00023	0.00023	12.14252	0.000493	9.85107E-05
137	P-23	36	0.001266	0.006583	0.065826	0.000123333	0.000253	0.000253	13.35677	0.000542	0.000108362
138	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
139	P-23	36	0.000583	0.003033	0.030334	5.70297E-05	0.000117	0.000117	6.174777	0.00025	5.00952E-05
140	P-23	36	0.000583	0.003033	0.030334	5.70297E-05	0.000117	0.000117	6.174777	0.00025	5.00952E-05
141	L-24	138	0.013873	0.072141	0.721408	0.001360361	0.002775	0.002775	147.2596	0.005973	0.001194699
142	L-24	138	0.005628	0.029268	0.292677	0.000548642	0.001126	0.001126	59.38936	0.002409	0.000481818
143	L-24	138	0.003176	0.016516	0.165164	0.000309454	0.000635	0.000635	33.51335	0.001359	0.00027189
144	L-24	138	0	0	0	0	0	0	0	0	0
145	L-24	138	0	0	0	0	0	0	0	0	0
146	L-24	138	0.014957	0.106477	0.140838	0.000214569	0.002879	0.002648	16.59784	0.000673	0.000134656
147	L-24	138	0.0587	0.502043	0.242318	0.00024554	0.038619	0.035529	26.71516	0.001084	0.000216737

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

Count	Activity Index	Activity Name	Equipment Name	Fuel Type	HP	Quantity	Year	Trips/Day	Trip Length	VMT	Paved Percent	Paved VMT	Unpaved VMT	On Type	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
1	L-01	Survey	Pickup - 1/2 Ton	Gasoline	395	2	2026	4	40	160	95	152	8	passenger	0.021031	0.028534	0.360099	0.001077	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	0.002078	818.8371	0.000848	0.129008
3	L-02	Site Development/Staging Yards	Truck - Dump 10-12 Yd	Diesel	415	5	2026	10	40	400	95	380	20	hhd	0.064682	2.247711	0.802305	0.014322	0.124741	0.005056	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	6.75053	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	hhd	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	6.75053	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	40	480	95	456	24	hhd	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	hhd	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	6.75053	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	40	480	95	456	24	hhd	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	40	320	95	304	16	passenger	0.112621	0.604868	6.75053	0.002296	0.102756	0.09033	242.3598	0.005231	0.038184
17	P-05	Foundation Installation	Truck - Water 4 K	Diesel	300	2	2026	4	40	160	95	152	8	hhd	0.025873	0.899084	0.320922	0.005729	0.049896	0.022022	604.9636	0.001202	0.095312
18	P-05	Foundation Installation	Truck - Dump 10-12 Yd	Diesel	415	2	2026	4	40	160	95	152	8	hhd	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	40	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	40	160	95	152	8	hhd	0.025873	0.899084	0.320922	0.005729	0.049896	0.022022	604.9636	0.001202	0.095312
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	40	320	95	304	16	passenger	0.112621	0.604868	6.75053	0.002296	0.102756	0.09033	242.3598	0.005231	0.038184
26	P-07	Conductor Installation	Truck - Water 4 K	Diesel	300	2	2026	4	40	160	95	152	8	hhd	0.025873	0.899084	0.320922	0.005729	0.049896	0.022022	604.9636	0.001202	0.095312
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	0.045105	121.7999	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	hhd	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	hhd	0.025873	0.899084	0.320922	0.005729	0.049896	0.022022	604.9636	0.001202	0.095312
31	L-09	Foundation Installation	Truck - Concrete	Diesel	425	4	2026	8	40	480	95	456	24	hhd	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	6.75053	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	hhd	0.025873	0.899084	0.320922	0.005729	0.049896	0.022022	604.9636	0.001202	0.095312
34	L-09	Foundation Installation	Truck - Dump 10-12 Yd	Diesel	415	2	2026	4	40	160	95	152	8	hhd	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	0.045105	121.7999	0.002616	0.019092
37	L-10	Structure Installation	Truck - Water 4 K	Diesel	300	2	2026	4	40	160	95	152	8	hhd	0.025873	0.899084	0.320922	0.005729	0.049896	0.022022	604.9636	0.001202	0.095312
38	L-11	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
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	6.75053	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	hhd	0.025873	0.899084	0.320922	0.005729	0.049896	0.022022	604.9636	0.001202	0.095312
42	L-12	Transition Structure Foundation Installation	Truck - Concrete	Diesel	425	0	2026	0	0	0	95	0	0	hhd	0	0	0	0	0	0	0	0	0
43	L-15	Southern Transition Approach Construction	Truck - Dump 10-12 Yd	Diesel	415	4	2026	8	40	320	95	304	16	hhd	0.051745	1.984169	0.641844	0.011457	0.099793	0.044045	1209.927	0.002403	0.196025
44	L-15	Southern Transition Approach Construction	Onshore Trucks	Diesel	300	4	2026	8	40	480	95	456	24	vendor	0.026495	1.207701	0.161719	0.011548	0.072447	0.031076	1219.465	0.001231	0.191277
45	L-16	Substation Getaways	Pickup - 1/2 Ton	Gasoline	395	4	2026	8	40	320	95	304	16	passenger	0.042061	0.057068	0.720198	0.002153	0.012686	0.004486	217.8048	0.00394	0.005069
46	L-16	Substation Getaways	Pickup - 1 Ton	Diesel	410	4	2026	8	40	320	95	304	16	passenger	0.112621	0.604868	6.75053	0.002296	0.102756	0.09033	242.3598	0.005231	0.038184
47	L-16	Substation Getaways	Welding Truck	Diesel	395	2	2026	4	40	160	95	152	8	hhd	0.025873	0.899084	0.320922	0.005729	0.049896	0.022022	604.9636	0.001202	0.095312
48	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
49	P-17	Distribution Extension to Substation	Pickup - 1 Ton	Diesel	410	2	2026	4	40	240	95	228	12	passenger	0.084466	0.453651	0.50629	0.001722	0.077067	0.067747	181.7699	0.003923	0.028638
50	P-17	Distribution Extension to Substation	Truck - Dump 10-12 Yd	Diesel	415	2	2026	4	40	160	95	152	8	hhd	0.025873	0.899084	0.320922	0.005729	0.049896	0.022022	604.9636	0.001202	0.095312
51	P-17	Distribution Extension to Substation	Truck - Concrete	Diesel	425	4	2026	8	40	480	95	456	24	hhd	0.057446	2.433526	0.668621	0.016751	0.149569	0.065952	1768.935	0.002668	0.278696
52	L-18	Fiber Extension to Substation	Truck - Dump 10-12 Yd	Diesel	415	3	2026	6	40	240	95	228	12	hhd	0.038809	1.348627	0.481383	0.					

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-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
91	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
92	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
93	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
94	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
95	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
96	-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
97	-24	Northern Transition Approach Construction	Onshore Trucks	Diesel	300	0	2026	0	60	0	95	0	0	vendor	0	0	0	0	0	0	0	0	0
98	-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

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

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
1	L-01	26	0.000273	0.000371	0.004681	1.39959E-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-12	150	0	0	0	0	0	0	0	0	0
43	L-15	138	0.00357	0.124074	0.044287	0.000790553	0.006886	0.003039089	83.48498	0.000165837	0.013153093
44	L-15	138	0.001828	0.083331	0.011159	0.000796784	0.004999	0.002144255	84.14306	8.49123E-05	0.013256773
45	L-16	70	0.001472	0.001997	0.025207	7.53628E-05	0.000444	0.000157003	7.623168	0.000137887	0.000177426
46	L-16	70	0.003942	0.02117	0.023627	8.03769E-05	0.003596	0.003161546	8.482594	0.000183086	0.001336436
47	L-16	70	0.000319	0.014814	0.002233	0.000135693	0.000846	0.000363443	14.32965	1.48324E-05	0.002257642
48	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
49	P-17	51	0.002154	0.011568	0.01291	4.39202E-05	0.001965	0.001727559	4.635132	0.000100044	0.000730267
50	P-17	51	0.00066	0.022927	0.008184	0.00014608	0.001272	0.000561571	15.42657	3.06438E-05	0.002430463
51	P-17	51	0.001465	0.062055	0.01705	0.000427144	0.003814	0.001681783	45.10784	6.80396E-05	0.007106759
52	L-18	103	0.001999	0.069454	0.024791	0.000442538	0.003854	0.001701229	46.73344	9.28326E-05	0.007362873
53	L-18	103	0.00435	0.023363	0.026074	8.87016E-05	0.003969	0.003488992	9.361148	0.000202049	0.001474853
54	L-18	103	0.001479	0.062663	0.017217	0.000431332	0.003851	0.001698271	45.55008	6.87067E-05	0.007176433
55	L-18	103	0	0	0	0	0	0	0	0	0
56	P-19	250	0.005258	0.007133	0.090025	0.000269153	0.001586	0.000560725	27.2256	0.000492454	0.000633666
57	P-19	250	0.021116	0.113413	0.126573	0.00043059	0.019267	0.016936855	45.44247	0.000980821	0.007159479
58	P-19	250	0.001656	0.075481	0.010107	0.000721725	0.004528	0.00194226	76.21654	7.69133E-05	0.012007947
59	L-20	174	0.003659	0.004965	0.062657	0.00018733	0.001104	0.000390265	18.94902	0.000342748	0.000441031
60	L-20	174	0.009798	0.052624	0.05873	0.000199794	0.00894	0.007858701	21.0853	0.000455101	0.003321998
61	L-20	174	0.000397	0.018412	0.002776	0.000168647	0.001052	0.000451708	17.80971	1.84346E-05	0.002805927
62	L-21	140	0.007883	0.042341	0.047254	0.000160754	0.007193	0.006323093	16.96519	0.000366173	0.002672872
63	L-21	140	0.000639	0.029628	0.004467	0.000271386	0.001692	0.000726887	28.6593	2.96648E-05	0.004515284
64	L-21	140	0.002944	0.003995	0.050414	0.000150726	0.000888	0.000314006	15.24634	0.000275774	0.000354853
65	L-21	140	0.001811	0.062936	0.022465	0.000401005	0.003493	0.001541567	42.34745	8.41202E-05	0.006671859
66	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
67	L-02	76	0.005384	0.009445	0.11916	0.000367414	0.002167	0.000764895	37.165	0.000590274	0.000831361
68	L-03	152	0.035892	0.062966	0.794398	0.002449426	0.014446	0.005099299	247.7667	0.00393516	0.005542409
69	L-04	333	0.058975	0.10346	1.30527	0.004024632	0.023737	0.008378619	407.1035	0.00646583	0.009106689
70	P-05	70	0.006199	0.010874	0.137191	0.000423009	0.002495	0.000880636	42.78865	0.000679592	0.00095716
71	P-06	40	0.003542	0.006214	0.078395	0.00024172	0.001426	0.00050322	24.45066	0.000388338	0.000546948

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
72	P-07	40	0.007084	0.012428	0.156789	0.000483439	0.002851	0.001006441	48.90132	0.000776676	0.001093897
73	L-08	16	0.001133	0.001988	0.025086	7.73503E-05	0.000456	0.000161031	7.824211	0.000124268	0.000175023
74	L-09	22	0.001558	0.002734	0.034494	0.000106357	0.000627	0.000221417	10.75829	0.000170869	0.000240657
75	L-10	24	0.0017	0.002983	0.037629	0.000116025	0.000684	0.000241546	11.73632	0.000186402	0.000262535
76	L-11	26	0.004605	0.008078	0.101913	0.000314236	0.001853	0.000654186	31.78586	0.00050484	0.000711033
77	L-12	150	0	0	0	0	0	0	0	0	0
78	L-13	25	0	0	0	0	0	0	0	0	0
79	L-14	125	0.018448	0.032363	0.408305	0.001258957	0.007425	0.002620939	127.3472	0.002022594	0.002848689
80	L-15	138	0.020367	0.035729	0.450769	0.001389888	0.008197	0.002893517	140.5913	0.002232944	0.003144953
81	L-16	70	0.008265	0.014499	0.182921	0.000564013	0.003326	0.001174181	57.05154	0.000906122	0.001276213
82	P-17	51	0.003011	0.005282	0.066635	0.000205462	0.001212	0.000427737	20.78306	0.000330087	0.000464906
83	L-18	103	0.007297	0.0128	0.161493	0.000497942	0.002937	0.001036634	50.36836	0.000799977	0.001126713
84	P-19	250	0.022138	0.038836	0.489966	0.001510748	0.00891	0.003145127	152.8166	0.002427113	0.003418427
85	L-20	174	0.024652	0.043248	0.545626	0.001682369	0.009922	0.003502414	170.1766	0.002702833	0.00380676
86	L-21	140	0.009918	0.017399	0.219505	0.000676815	0.003992	0.001409017	68.46184	0.001087347	0.001531455
87	P-22	18	0.000259	0.010951	0.003009	7.53784E-05	0.000673	0.000296785	7.960208	1.2007E-05	0.001254134
88	P-22	48	0.002027	0.010888	0.012151	4.13367E-05	0.00185	0.001625938	4.362477	9.41588E-05	0.00068731
89	P-22	48	0.000159	0.007246	0.00097	6.92856E-05	0.000435	0.000186457	7.316788	7.38367E-06	0.001152763
90	P-22	30	0.000194	0.006743	0.002407	4.29648E-05	0.000374	0.000165168	4.537227	9.01288E-06	0.000714842
91	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
92	P-23	36	0.003041	0.016331	0.018226	6.2005E-05	0.002774	0.002438907	6.543715	0.000141238	0.001030965
93	P-23	36	0.000119	0.005435	0.000728	5.19642E-05	0.000326	0.000139843	5.487591	5.53776E-06	0.000864572
94	P-22	48	0.00425	0.007457	0.094073	0.000290064	0.001711	0.000603864	29.34079	0.000466006	0.000656338
95	P-23	36	0.006376	0.011185	0.14111	0.000435095	0.002566	0.000905797	44.01119	0.000699009	0.000984507
96	L-24	138	0.000893	0.031018	0.011072	0.000197638	0.001721	0.000759772	20.87125	4.14592E-05	0.003288273
97	L-24	138	0	0	0	0	0	0	0	0	0
98	L-24	138	0.016293	0.028583	0.360615	0.00111191	0.006558	0.002314814	112.473	0.001786355	0.002515962

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

Count	Activity Index	Activity Name	Equipment Name	Fuel Type	HP	Quantity	Year	Trips/Day	Trip Length	VMT	Paved Percent	Paved VMT	Unpaved VMT	On Type	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
1	L-01	Survey	Pickup - 1/2 Ton	Gasoline	395	2	2026	4	40	160	95	152	8	passenger	0.021031	0.028534	0.360099	0.001077	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	0.046513	0.127619	0.007754	0.048351	0.020768	818.8371	0.000848	0.129008
4	L-02	Site Development/Staging Yards	Truck - Dump 10-12 Yd	Diesel	415	5	2026	10	40	400	95	380	20	hhd	0.064682	2.247711	0.802305	0.014322	0.124741	0.055056	2517.409	0.003004	0.238281
5	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
6	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	hhd	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	hhd	0.057446	2.433526	0.668621	0.016751	0.149569	0.065952	1768.935	0.002668	0.278896
11	L-03	Below-Grade Construction	Truck - Dump 10-12 Yd	Diesel	415	3	2026	6	40	240	95	228	12	hhd	0.038809	1.348627	0.481383	0.008593	0.074845	0.033034	907.4454	0.001803	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	hhd	0.057446	2.433526	0.668621	0.016751	0.149569	0.065952	1768.935	0.002668	0.278896
16	P-05	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
17	P-05	Foundation Installation	Truck - Water 4 K	Diesel	300	2	2026	4	40	160	95	152	8	hhd	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	hhd	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	40	160	95	152	8	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	40	160	95	152	8	hhd	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	40	320	95	304	16	passenger	0.112621	0.604868	0.675053	0.002296	0.102756	0.09033	242.3598	0.005231	0.038184
26	P-07	Conductor Installation	Truck - Water 4 K	Diesel	300	2	2026	4	40	160	95	152	8	hhd	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	hhd	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	hhd	0.009124	0.423257	0.06381	0.003877	0.024176	0.010384	409.4185	0.000424	0.064504
31	-09	Foundation Installation	Truck - Concrete	Diesel	425	4	2026	8	60	480	95	456	24	hhd	0.057446	2.433526	0.668621	0.016751	0.149569	0.065952	1768.935	0.002668	0.278896
32	-09	Foundation Installation	Pickup - 1 Ton	Diesel	410	4	2026	8	40	320	95	304	16	passenger	0.112621	0.604868	0.675053	0.002296	0.102756	0.09033	242.3598	0.005231	0.038184
33	-09	Foundation Installation	Truck - Water 4 K	Diesel	300	2	2026	4	40	160	95	152	8	hhd	0.009124	0.423257	0.06381	0.003877	0.024176	0.010384	409.4185	0.000424	0.064504
34	-09	Foundation Installation	Truck - Dump 10-12 Yd	Diesel	415	2	2026	4	40	160	95	152	8	hhd	0.025873	0.899084	0.320922	0.005729	0.049896	0.022022	604.9636	0.001202	0.095312
35	-10	Structure Installation	Pickup - 1/2 Ton	Gasoline	395	2	2026	4	40	160	95	152	8	passenger	0.021031	0.028534	0.360099	0.001077	0.006343	0.002243	108.9024	0.00197	0.002535
36	-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	-10	Structure Installation	Truck - Water 4 K	Diesel	300	2	2026	4	40	160	95	152	8	hhd	0.009124	0.423257	0.06381	0.003877	0.024176	0.010384	409.4185	0.000424	0.064504
38	-11	Conductor Installation	Jet Fuel Truck	Diesel	300	1	2026	2	40	80	95	76	4	vendor	0.006624	0.301925	0.04043	0.002887	0.018112	0.007769	304.8662	0.000308	0.048032
39	-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	-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	-11	Conductor Installation	Truck - Water 4 K	Diesel	300	2	2026	4	40	160	95	152	8	hhd	0.009124	0.423257	0.06381	0.003877	0.024176	0.010384	409.4185	0.000424	0.064504
42	-12	Transition Structure Foundation Installation	Truck - Concrete	Diesel	425	0	2026	0	0	0	95	0	0	hhd	0	0	0	0	0	0	0	0	0
43	-15	Southern Transition Approach Construction	Truck - Dump 10-12 Yd	Diesel	415	4	2026	8	40	320	95	304	16	hhd	0.051745	1.798169	0.641844	0.011457	0.099779	0.040445	1209.9177	0.002402	0.190625
44	-15	Southern Transition Approach Construction	Onshore Trucks	Diesel	300	4	2026	8	60	480	95	456	24	vendor	0.026495	1.207701	0.161719	0.011548	0.072447	0.031076	1219.465	0.001231	0.191217
45	-16	Substation Getaways	Pickup - 1/2 Ton	Gasoline	395	4	2026	8	40	320	95	304	16	passenger	0.042061	0.057068	0.720198	0.002153	0.012686	0.004486	217.8048	0.00394	0.005069
46	-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
47	-16	Substation Getaways	Welding Truck	Diesel	395	2	2026	4	40	160	95	152	8	hhd	0.009124	0.423257	0.06381	0.003877	0.024176	0.010384	409.4185	0.000424	0.064504
48	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
49	P-17	Distribution Extension to Substation	Pickup - 1 Ton	Diesel	410	2	2026	4	40	160	95	152	8	hhd	0.084466	0.453651	0.50629	0.001722	0.077067	0.067747	181.7699	0.003923	0.028638
50	P-17	Distribution Extension to Substation	Truck - Dump 10-12 Yd	Diesel	415	2	2026	4	40	160	95	152	8	hhd	0.025873	0.899084	0.320922	0.005729	0.049896	0.022022	604.9636	0.001202	0.095312
51	P-17	Distribution Extension to Substation	Truck - Concrete	Diesel	425	4	2026	8	60	480	95	456	24	hhd	0.057446	2.433526	0.668621	0.016751	0.149569	0.065952	1768.935	0.002668	0.278896
52	-18	Fiber Extension to Substation	Truck - Dump 10-12 Yd	Diesel	415	3	2026	6	40	240	95	228	12	hhd	0.038809	1.348627	0.481383	0.008593	0.074845	0.033034	907.4454	0.001803	0.14296

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-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
91	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
92	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
93	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
94	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
95	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
96	-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
97	-24	Northern Transition Approach Construction	Onshore Trucks	Diesel	300	0	2026	0	60	0	95	0	0	vendor	0	0	0	0	0	0	0	0	0
98	-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

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

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
1	L-01	26	0.000273	0.000371	0.004681	1.39959E-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-12	150	0	0	0	0	0	0	0	0	0
43	L-15	138	0.00357	0.124074	0.044287	0.000790553	0.006886	0.003039089	83.48498	0.000165837	0.013153093
44	L-15	138	0.001828	0.083331	0.011159	0.000796784	0.004999	0.002144255	84.14306	8.49123E-05	0.013256773
45	L-16	70	0.001472	0.001997	0.025207	7.53628E-05	0.000444	0.000157003	7.623168	0.000137887	0.000177426
46	L-16	70	0.003942	0.02117	0.023627	8.03769E-05	0.003596	0.003161546	8.482594	0.000183086	0.001336436
47	L-16	70	0.000319	0.014814	0.002233	0.000135693	0.000846	0.000363443	14.32965	1.48324E-05	0.002257642
48	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
49	P-17	51	0.002154	0.011568	0.01291	4.39202E-05	0.001965	0.001727559	4.635132	0.000100044	0.000730267
50	P-17	51	0.00066	0.022927	0.008184	0.00014608	0.001272	0.000561571	15.42657	3.06438E-05	0.002430463
51	P-17	51	0.001465	0.062055	0.01705	0.000427144	0.003814	0.001681783	45.10784	6.80396E-05	0.007106759
52	L-18	103	0.001999	0.069454	0.024791	0.000442538	0.003854	0.001701229	46.73344	9.28326E-05	0.007362873
53	L-18	103	0.00435	0.023363	0.026074	8.87016E-05	0.003969	0.003488992	9.361148	0.000202049	0.001474853
54	L-18	103	0.001479	0.062663	0.017217	0.000431332	0.003851	0.001698271	45.55008	6.87067E-05	0.007176433
55	L-18	103	0	0	0	0	0	0	0	0	0
56	P-19	250	0.005258	0.007133	0.090025	0.000269153	0.001586	0.000560725	27.2256	0.000492454	0.000633666
57	P-19	250	0.021116	0.113413	0.126573	0.00043059	0.019267	0.016936855	45.44247	0.000980821	0.007159479
58	P-19	250	0.001656	0.075481	0.010107	0.000721725	0.004528	0.00194226	76.21654	7.69133E-05	0.012007947
59	L-20	174	0.003659	0.004965	0.062657	0.00018733	0.001104	0.000390265	18.94902	0.000342748	0.000441031
60	L-20	174	0.009798	0.052624	0.05873	0.000199794	0.00894	0.007858701	21.0853	0.000455101	0.003321998
61	L-20	174	0.000397	0.018412	0.002776	0.000168647	0.001052	0.000451708	17.80971	1.84346E-05	0.002805927
62	L-21	140	0.007883	0.042341	0.047254	0.000160754	0.007193	0.006323093	16.96519	0.000366173	0.002672872
63	L-21	140	0.000639	0.029628	0.004467	0.000271386	0.001692	0.000726887	28.6593	2.96648E-05	0.004515284
64	L-21	140	0.002944	0.003995	0.050414	0.000150726	0.000888	0.000314006	15.24634	0.000275774	0.000354853
65	L-21	140	0.001811	0.062936	0.022465	0.000401005	0.003493	0.001541567	42.34745	8.41202E-05	0.006671859
66	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
67	L-02	76	0.005384	0.009445	0.11916	0.000367414	0.002167	0.000764895	37.165	0.000590274	0.000831361
68	L-03	152	0.035892	0.062966	0.794398	0.002449426	0.014446	0.005099299	247.7667	0.00393516	0.005542409
69	L-04	333	0.058975	0.10346	1.30527	0.004024632	0.023737	0.008378619	407.1035	0.00646583	0.009106689
70	P-05	70	0.006199	0.010874	0.137191	0.000423009	0.002495	0.000880636	42.78865	0.000679592	0.00095716
71	P-06	40	0.003542	0.006214	0.078395	0.00024172	0.001426	0.00050322	24.45066	0.000388338	0.000546948

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
72	P-07	40	0.007084	0.012428	0.156789	0.000483439	0.002851	0.001006441	48.90132	0.000776676	0.001093897
73	L-08	16	0.001133	0.001988	0.025086	7.73503E-05	0.000456	0.000161031	7.824211	0.000124268	0.000175023
74	L-09	22	0.001558	0.002734	0.034494	0.000106357	0.000627	0.000221417	10.75829	0.000170869	0.000240657
75	L-10	24	0.0017	0.002983	0.037629	0.000116025	0.000684	0.000241546	11.73632	0.000186402	0.000262535
76	L-11	26	0.004605	0.008078	0.101913	0.000314236	0.001853	0.000654186	31.78586	0.00050484	0.000711033
77	L-12	150	0	0	0	0	0	0	0	0	0
78	L-13	25	0	0	0	0	0	0	0	0	0
79	L-14	125	0.018448	0.032363	0.408305	0.001258957	0.007425	0.002620939	127.3472	0.002022594	0.002848689
80	L-15	138	0.020367	0.035729	0.450769	0.001389888	0.008197	0.002893517	140.5913	0.002232944	0.003144953
81	L-16	70	0.008265	0.014499	0.182921	0.000564013	0.003326	0.001174181	57.05154	0.000906122	0.001276213
82	P-17	51	0.003011	0.005282	0.066635	0.000205462	0.001212	0.000427737	20.78306	0.000330087	0.000464906
83	L-18	103	0.007297	0.0128	0.161493	0.000497942	0.002937	0.001036634	50.36836	0.000799977	0.001126713
84	P-19	250	0.022138	0.038836	0.489966	0.001510748	0.00891	0.003145127	152.8166	0.002427113	0.003418427
85	L-20	174	0.024652	0.043248	0.545626	0.001682369	0.009922	0.003502414	170.1766	0.002702833	0.00380676
86	L-21	140	0.009918	0.017399	0.219505	0.000676815	0.003992	0.001409017	68.46184	0.001087347	0.001531455
87	P-22	18	0.000259	0.010951	0.003009	7.53784E-05	0.000673	0.000296785	7.960208	1.2007E-05	0.001254134
88	P-22	48	0.002027	0.010888	0.012151	4.13367E-05	0.00185	0.001625938	4.362477	9.41588E-05	0.00068731
89	P-22	48	0.000159	0.007246	0.00097	6.92856E-05	0.000435	0.000186457	7.316788	7.38367E-06	0.001152763
90	P-22	30	0.000194	0.006743	0.002407	4.29648E-05	0.000374	0.000165168	4.537227	9.01288E-06	0.000714842
91	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
92	P-23	36	0.003041	0.016331	0.018226	6.2005E-05	0.002774	0.002438907	6.543715	0.000141238	0.001030965
93	P-23	36	0.000119	0.005435	0.000728	5.19642E-05	0.000326	0.000139843	5.487591	5.53776E-06	0.000864572
94	P-22	48	0.00425	0.007457	0.094073	0.000290064	0.001711	0.000603864	29.34079	0.000466006	0.000656338
95	P-23	36	0.006376	0.011185	0.14111	0.000435095	0.002566	0.000905797	44.01119	0.000699009	0.000984507
96	L-24	138	0.000893	0.031018	0.011072	0.000197638	0.001721	0.000759772	20.87125	4.14592E-05	0.003288273
97	L-24	138	0	0	0	0	0	0	0	0	0
98	L-24	138	0.016293	0.028583	0.360615	0.00111191	0.006558	0.002314814	112.473	0.001786355	0.002515962

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

Count	Activity Index	Activity Name	Equipment Name	Fuel Type	HP	Quantity	Year	Trips/Day	Trip Length	VMT	Paved Percent	Paved VMT	Unpaved VMT	On Type	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
1	L-01	Survey	Pickup - 1/2 Ton	Gasoline	395	2	2026	4	40	160	95	152	8	passenger	0	0	0	0	11.81022	1.193615	0	0	0
2	L-02	Site Development/Staging Yards	Truck - Water 4 K	Diesel	300	4	2026	8	40	320	95	304	16	vendor	0	0	0	0	23.62045	2.38723	0	0	0
3	L-02	Site Development/Staging Yards	Truck - Dump 10-12 Yd	Diesel	415	5	2026	10	40	400	95	380	20	hhdt	0	0	0	0	29.52556	2.984038	0	0	0
4	L-02	Site Development/Staging Yards	Pickup - 1/2 Ton	Gasoline	395	4	2026	8	40	320	95	304	16	passenger	0	0	0	0	23.62045	2.38723	0	0	0
5	L-02	Site Development/Staging Yards	Pickup - 1 Ton	Diesel	410	4	2026	8	40	320	95	304	16	passenger	0	0	0	0	23.62045	2.38723	0	0	0
6	L-02	Site Development/Staging Yards	Semi Truck	Diesel	500	2	2026	4	40	160	95	152	8	hhdt	0	0	0	0	11.81022	1.193615	0	0	0
7	L-03	Below-Grade Construction	Truck - Water 4 K	Diesel	300	2	2026	4	40	160	95	152	8	vendor	0	0	0	0	11.81022	1.193615	0	0	0
8	L-03	Below-Grade Construction	Pickup - 1/2 Ton	Gasoline	395	4	2026	8	40	320	95	304	16	passenger	0	0	0	0	23.62045	2.38723	0	0	0
9	L-03	Below-Grade Construction	Pickup - 1 Ton	Diesel	410	4	2026	8	40	320	95	304	16	passenger	0	0	0	0	23.62045	2.38723	0	0	0
10	L-03	Below-Grade Construction	Truck - Concrete	Diesel	425	4	2026	8	60	480	95	456	24	hhdt	0	0	0	0	35.43067	3.580845	0	0	0
11	L-03	Below-Grade Construction	Truck - Dump 10-12 Yd	Diesel	415	3	2026	6	40	240	95	228	12	hhdt	0	0	0	0	17.71533	1.790423	0	0	0
12	L-04	Above-Grade Construction	Pickup - 1/2 Ton	Gasoline	395	4	2026	8	40	320	95	304	16	passenger	0	0	0	0	23.62045	2.38723	0	0	0
13	L-04	Above-Grade Construction	Pickup - 1 Ton	Diesel	410	4	2026	8	40	320	95	304	16	passenger	0	0	0	0	23.62045	2.38723	0	0	0
14	L-04	Above-Grade Construction	Welding Truck	Diesel	395	2	2026	4	40	160	95	152	8	vendor	0	0	0	0	11.81022	1.193615	0	0	0
15	P-05	Foundation Installation	Truck - Concrete	Diesel	425	4	2026	8	60	480	95	456	24	hhdt	0	0	0	0	35.43067	3.580845	0	0	0
16	P-05	Foundation Installation	Pickup - 1 Ton	Diesel	410	4	2026	8	60	480	95	456	24	passenger	0	0	0	0	35.43067	3.580845	0	0	0
17	P-05	Foundation Installation	Truck - Water 4 K	Diesel	300	2	2026	4	60	240	95	228	12	vendor	0	0	0	0	17.71533	1.790423	0	0	0
18	P-05	Foundation Installation	Truck - Dump 10-12 Yd	Diesel	415	2	2026	4	40	160	95	152	8	hhdt	0	0	0	0	11.81022	1.193615	0	0	0
19	P-06	Structure Installation	Pickup - 1/2 Ton	Gasoline	395	2	2026	4	40	160	95	152	8	passenger	0	0	0	0	11.81022	1.193615	0	0	0
20	P-06	Structure Installation	Pickup - 1 Ton	Diesel	410	2	2026	4	60	240	95	228	12	passenger	0	0	0	0	17.71533	1.790423	0	0	0
21	P-06	Structure Installation	Truck - Water 4 K	Diesel	300	2	2026	4	60	240	95	228	12	vendor	0	0	0	0	17.71533	1.790423	0	0	0
22	P-06	Structure Installation	Jet Fuel Truck	Diesel	300	1	2026	2	40	80	95	76	4	vendor	0	0	0	0	5.905111	0.596808	0	0	0
23	P-07	Conductor Installation	Jet Fuel Truck	Diesel	300	1	2026	2	40	80	95	76	4	vendor	0	0	0	0	5.905111	0.596808	0	0	0
24	P-07	Conductor Installation	Pickup - 1/2 ton	Gasoline	395	4	2026	8	40	320	95	304	16	passenger	0	0	0	0	23.62045	2.38723	0	0	0
25	P-07	Conductor Installation	Pickup - 1 Ton	Diesel	410	4	2026	8	60	480	95	456	24	passenger	0	0	0	0	35.43067	3.580845	0	0	0
26	P-07	Conductor Installation	Truck - Water 4 K	Diesel	300	2	2026	4	60	240	95	228	12	vendor	0	0	0	0	17.71533	1.790423	0	0	0
27	L-08	Access Road Construction	Pickup - 1/2 ton	Gasoline	395	2	2026	4	40	160	95	152	8	passenger	0	0	0	0	11.81022	1.193615	0	0	0
28	L-08	Access Road Construction	Pickup - 1 ton	Diesel	410	2	2026	4	40	160	95	152	8	passenger	0	0	0	0	11.81022	1.193615	0	0	0
29	L-08	Access Road Construction	Truck - Dump 10-12 Yd	Diesel	415	2	2026	4	40	160	95	152	8	hhdt	0	0	0	0	11.81022	1.193615	0	0	0
30	L-08	Access Road Construction	Truck - Water 4 K	Diesel	300	2	2026	4	40	160	95	152	8	vendor	0	0	0	0	11.81022	1.193615	0	0	0
31	-09	Foundation Installation	Truck - Concrete	Diesel	425	4	2026	8	60	480	95	456	24	hhdt	0	0	0	0	35.43067	3.580845	0	0	0
32	-09	Foundation Installation	Pickup - 1 Ton	Diesel	410	4	2026	8	40	320	95	304	16	passenger	0	0	0	0	23.62045	2.38723	0	0	0
33	-09	Foundation Installation	Truck - Water 4 K	Diesel	300	2	2026	4	40	160	95	152	8	vendor	0	0	0	0	11.81022	1.193615	0	0	0
34	-09	Foundation Installation	Truck - Dump 10-12 Yd	Diesel	415	2	2026	4	40	160	95	152	8	hhdt	0	0	0	0	11.81022	1.193615	0	0	0
35	L-10	Structure Installation	Pickup - 1/2 ton	Gasoline	395	2	2026	4	40	160	95	152	8	passenger	0	0	0	0	11.81022	1.193615	0	0	0
36	L-10	Structure Installation	Pickup - 1 ton	Diesel	410	2	2026	4	40	160	95	152	8	passenger	0	0	0	0	11.81022	1.193615	0	0	0
37	L-10	Structure Installation	Truck - Water 4 K	Diesel	300	2	2026	4	40	160	95	152	8	vendor	0	0	0	0	11.81022	1.193615	0	0	0
38	L-11	Conductor Installation	Jet Fuel Truck	Diesel	300	1	2026	2	60	120	95	114	6	vendor	0	0	0	0	8.857667	0.895211	0	0	0
39	L-11	Conductor Installation	Pickup - 1/2 ton	Gasoline	395	4	2026	8	40	320	95	304	16	passenger	0	0	0	0	23.62045	2.38723	0	0	0
40	L-11	Conductor Installation	Pickup - 1 Ton	Diesel	410	4	2026	8	40	320	95	304	16	passenger	0	0	0	0	23.62045	2.38723	0	0	0
41	L-11	Conductor Installation	Truck - Water 4 K	Diesel	300	2	2026	4	40	160	95	152	8	vendor	0	0	0	0	11.81022	1.193615	0	0	0
42	L-12	Transition Structure Foundation Installation	Truck - Concrete	Diesel	425	0	2026	0	60	0	95	0	0	hhdt	0	0	0	0	0	0	0	0	0
43	L-15	Southern Transition Approach Construction	Truck - Dump 10-12 Yd	Diesel	415	4	2026	8	40	320	95	304	16	hhdt	0	0	0	0	23.62045	2.38723	0	0	0
44	L-15	Southern Transition Approach Construction	Onshore Trucks	Diesel	300	4	2026	8	60	480	95	456	24	vendor	0	0	0	0	35.43067	3.580845	0	0	0
45	L-16	Substation Getaways	Pickup - 1/2 Ton	Gasoline	395	4	2026	8	40	320	95	304	16	passenger	0	0	0	0	23.62045	2.38723	0	0	0
46	L-16	Substation Getaways	Pickup - 1 Ton	Diesel	410	4	2026	8	40	320	95	304	16	passenger	0	0	0	0	23.62045	2.38723	0	0	0
47	L-16	Substation Getaways	Welding Truck	Diesel	395	2	2026	4	40	160	95	152	8	vendor	0	0	0	0	11.81022	1.193615	0	0	0
48	P-17	Distribution Extension to Substation	Pickup - 1/2 ton	Gasoline	395	2	2026	4	40	160	95	152	8	passenger	0	0	0	0	11.81022	1.193615	0	0	0
49	P-17	Distribution Extension to Substation	Pickup - 1 Ton	Diesel	410	2	2026	4	60	240	95	228	12	passenger	0	0	0	0	17.71533	1.790423	0	0	0
50	P-17	Distribution Extension to Substation	Truck - Dump 10-12 Yd	Diesel	415	2	2026	4	40	160	95	152	8	hhdt	0	0	0	0	11.81022	1.193615	0	0	0
51	P-17	Distribution Extension to Substation	Truck - Concrete	Diesel	425	4	2026	8	60	480	95	456	24	hhdt	0	0	0	0	35.43067	3.580845	0	0	0
52	L-18	Fiber Extension to Substation	Truck - Dump 10-12 Yd	Diesel	415	3	2026	6	40	240	95	228	12	hhdt	0	0	0	0	17.71533	1.790423	0	0	0
53	L-18	Fiber Extension to Substation	Pickup - 1 Ton	Diesel	410	3	2026	6	40	240	95	228	12	passenger	0	0	0	0	17.71533	1.790423	0	0	0
54	L-18	Fiber Extension to Substation	Truck - Concrete	Diesel	425	2	2026	4	60	240	95	228	12	hhdt	0	0	0	0	17.71533	1.790423	0	0	0
55	L-18	Fiber Extension to Substation	Truck - Water 4 K	Diesel	300	0	2026	0	40	0	95	0	0	vendor	0	0	0	0	0	0	0	0	0
56	P-19	Vaca Dixon, Tesla, and Pittsburg Substation Upgrades	Pickup - 1/2 Ton	Gasoline	395	4	2026	8	40	320	95	304	16	passenger	0	0	0	0	23.62045	2.38723	0	0	0
57	P-19	Vaca Dixon, Tesla, and Pittsburg Substation Upgrades	Pickup - 1 Ton	Diesel	410	4	2026	8	60	480	95	456	24	passenger	0	0	0	0	35.43067	3.580845	0	0	0
58	P-19	Vaca Dixon, Tesla, and Pittsburg Substation Upgrades	Welding Truck	Diesel	395	2	2026	4	60	240	95	228	12	vendor	0	0	0	0	17.71533	1.790423	0	0	0
59	L-20	Commissioning and Testing	Pickup - 1/2 Ton	Gasoline	395	4	2026	8	40	320	95	304	16	passenger	0	0	0	0	23.62045	2.38723	0	0	0
60	L-20	Commissioning and Testing	Pickup - 1 Ton	Diesel	410	4	2026	8	40	320	95	304	16	passenger	0	0	0	0	23.62045	2.38723	0	0	0
61	L-20	Commissioning and Testing	Truck - Water 4 K	Diesel	300	1	2026	2	40	80	95	76	4	vendor	0	0	0	0	5.905111	0.596808	0	0	0
62	L-21	Cleanup and Restoration	Pickup - 1 Ton	Diesel	410	4	2026	8	40	320	95	304	16	passenger	0	0	0	0	23.62045	2.38723	0	0	0
63	L-21	Cleanup and Restoration	Truck - Water 4 K	Diesel	300	2	2026	4	40	160	95	152	8	vendor	0	0	0	0	11.81022	1.193615	0	0	0
64	L-21	Cleanup and Restoration	Pickup - 1/2 Ton	Gasoline	395	4	2026	8	40	320	95	304	16	passenger	0	0	0	0	23.62045	2.38723	0	0	0
65	L-21	Cleanup and Restoration	Truck - Dump 10-12 Yd	Diesel	415	2	2026	4	40	160	95	152	8	hhdt	0	0	0	0	11.81022	1.193615	0	0	0
66	L-01	Survey	Worker Commute																				

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-22	Foundation Installation	Truck - Dump 10-12 Yd	Diesel	415	1	2026	2	40	80	95	76	4	hhdt	0	0	0	0	5.905111	0.596808	0	0	0
91	P-23	Structure and Conductor Installation	Pickup - 1/2 ton	Gasoline	395	4	2026	8	40	320	95	304	16	passenger	0	0	0	0	23.62045	2.38723	0	0	0
92	P-23	Structure and Conductor Installation	Pickup - 1 ton	Diesel	410	4	2026	8	60	480	95	456	24	passenger	0	0	0	0	35.43067	3.580845	0	0	0
93	P-23	Structure and Conductor Installation	Truck - Water 4 K	Diesel	300	1	2026	2	60	120	95	114	6	vendor	0	0	0	0	8.857667	0.895211	0	0	0
94	P-22	Foundation Installation	Worker Commute	Gasoline	NA	15	2026	30	60	1800	100	1800	0	passenger	0	0	0	0	1.130766	0.297691	0	0	0
95	P-23	Structure and Conductor Installation	Worker Commute	Gasoline	NA	30	2026	60	60	3600	100	3600	0	passenger	0	0	0	0	2.381532	0.595383	0	0	0
96	-24	Northern Transition Approach Construction	Truck - Dump 10-12 Yd	Diesel	415	1	2026	2	40	80	95	76	4	hhdt	0	0	0	0	5.905111	0.596808	0	0	0
97	-24	Northern Transition Approach Construction	Onshore Trucks	Diesel	300	0	2026	0	60	0	95	0	0	vendor	0	0	0	0	0	0	0	0	0
98	-24	Northern Transition Approach Construction	Worker Commute	Gasoline	NA	20	2026	40	60	2400	100	2400	0	passenger	0	0	0	0	1.587688	0.396922	0	0	0

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

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
1	L-01	26	0	0	0	0	0.153533	0.015517	0	0	0
2	L-02	76	0	0	0	0	0.897577	0.090715	0	0	0
3	L-02	76	0	0	0	0	1.121971	0.113393	0	0	0
4	L-02	76	0	0	0	0	0.897577	0.090715	0	0	0
5	L-02	76	0	0	0	0	0.897577	0.090715	0	0	0
6	L-02	76	0	0	0	0	0.448788	0.045357	0	0	0
7	L-03	152	0	0	0	0	0.897577	0.090715	0	0	0
8	L-03	152	0	0	0	0	1.795154	0.181429	0	0	0
9	L-03	152	0	0	0	0	1.795154	0.181429	0	0	0
10	L-03	152	0	0	0	0	2.692731	0.272144	0	0	0
11	L-03	152	0	0	0	0	1.346365	0.136072	0	0	0
12	L-04	333	0	0	0	0	3.932804	0.397474	0	0	0
13	L-04	333	0	0	0	0	3.932804	0.397474	0	0	0
14	L-04	333	0	0	0	0	1.966402	0.198737	0	0	0
15	P-05	54	0	0	0	0	0.956628	0.096683	0	0	0
16	P-05	70	0	0	0	0	1.240073	0.12533	0	0	0
17	P-05	70	0	0	0	0	0.620037	0.062665	0	0	0
18	P-05	20	0	0	0	0	0.118102	0.011936	0	0	0
19	P-06	40	0	0	0	0	0.236204	0.023872	0	0	0
20	P-06	40	0	0	0	0	0.354307	0.035808	0	0	0
21	P-06	40	0	0	0	0	0.354307	0.035808	0	0	0
22	P-06	13	0	0	0	0	0.038383	0.003879	0	0	0
23	P-07	12	0	0	0	0	0.035431	0.003581	0	0	0
24	P-07	40	0	0	0	0	0.472409	0.047745	0	0	0
25	P-07	40	0	0	0	0	0.708613	0.071617	0	0	0
26	P-07	40	0	0	0	0	0.354307	0.035808	0	0	0
27	L-08	16	0	0	0	0	0.094482	0.009549	0	0	0
28	L-08	16	0	0	0	0	0.094482	0.009549	0	0	0
29	L-08	16	0	0	0	0	0.094482	0.009549	0	0	0
30	L-08	16	0	0	0	0	0.094482	0.009549	0	0	0
31	L-09	22	0	0	0	0	0.389737	0.039389	0	0	0
32	L-09	22	0	0	0	0	0.259825	0.02626	0	0	0
33	L-09	22	0	0	0	0	0.129912	0.01313	0	0	0

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
34	L-09	22	0	0	0	0	0.129912	0.01313	0	0	0
35	L-10	24	0	0	0	0	0.141723	0.014323	0	0	0
36	L-10	24	0	0	0	0	0.141723	0.014323	0	0	0
37	L-10	24	0	0	0	0	0.141723	0.014323	0	0	0
38	L-11	26	0	0	0	0	0.11515	0.011638	0	0	0
39	L-11	26	0	0	0	0	0.307066	0.031034	0	0	0
40	L-11	26	0	0	0	0	0.307066	0.031034	0	0	0
41	L-11	26	0	0	0	0	0.153533	0.015517	0	0	0
42	L-12	150	0	0	0	0	0	0	0	0	0
43	L-15	138	0	0	0	0	1.629811	0.164719	0	0	0
44	L-15	138	0	0	0	0	2.444716	0.247078	0	0	0
45	L-16	70	0	0	0	0	0.826716	0.083553	0	0	0
46	L-16	70	0	0	0	0	0.826716	0.083553	0	0	0
47	L-16	70	0	0	0	0	0.413358	0.041777	0	0	0
48	P-17	51	0	0	0	0	0.301161	0.030437	0	0	0
49	P-17	51	0	0	0	0	0.451741	0.045656	0	0	0
50	P-17	51	0	0	0	0	0.301161	0.030437	0	0	0
51	P-17	51	0	0	0	0	0.903482	0.091312	0	0	0
52	L-18	103	0	0	0	0	0.91234	0.092207	0	0	0
53	L-18	103	0	0	0	0	0.91234	0.092207	0	0	0
54	L-18	103	0	0	0	0	0.91234	0.092207	0	0	0
55	L-18	103	0	0	0	0	0	0	0	0	0
56	P-19	250	0	0	0	0	2.952556	0.298404	0	0	0
57	P-19	250	0	0	0	0	4.428834	0.447606	0	0	0
58	P-19	250	0	0	0	0	2.214417	0.223803	0	0	0
59	L-20	174	0	0	0	0	2.054979	0.207689	0	0	0
60	L-20	174	0	0	0	0	2.054979	0.207689	0	0	0
61	L-20	174	0	0	0	0	0.513745	0.051922	0	0	0
62	L-21	140	0	0	0	0	1.653431	0.167106	0	0	0
63	L-21	140	0	0	0	0	0.826716	0.083553	0	0	0
64	L-21	140	0	0	0	0	1.653431	0.167106	0	0	0
65	L-21	140	0	0	0	0	0.826716	0.083553	0	0	0
66	L-01	26	0	0	0	0	0.004128	0.001032	0	0	0
67	L-02	76	0	0	0	0	0.036199	0.00905	0	0	0

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
68	L-03	152	0	0	0	0	0.241329	0.060332	0	0	0
69	L-04	333	0	0	0	0	0.396525	0.099131	0	0	0
70	P-05	70	0	0	0	0	0.041677	0.010419	0	0	0
71	P-06	40	0	0	0	0	0.023815	0.005954	0	0	0
72	P-07	40	0	0	0	0	0.047631	0.011908	0	0	0
73	L-08	16	0	0	0	0	0.007621	0.001905	0	0	0
74	L-09	22	0	0	0	0	0.010479	0.00262	0	0	0
75	L-10	24	0	0	0	0	0.011431	0.002858	0	0	0
76	L-11	26	0	0	0	0	0.03096	0.00774	0	0	0
77	L-12	150	0	0	0	0	0	0	0	0	0
78	L-13	25	0	0	0	0	0	0	0	0	0
79	L-14	125	0	0	0	0	0.124038	0.03101	0	0	0
80	L-15	138	0	0	0	0	0.136938	0.034235	0	0	0
81	L-16	70	0	0	0	0	0.055569	0.013892	0	0	0
82	P-17	51	0	0	0	0	0.020243	0.005061	0	0	0
83	L-18	103	0	0	0	0	0.04906	0.012265	0	0	0
84	P-19	250	0	0	0	0	0.148846	0.037211	0	0	0
85	L-20	174	0	0	0	0	0.165755	0.041439	0	0	0
86	L-21	140	0	0	0	0	0.066683	0.016671	0	0	0
87	P-22	18	0	0	0	0	0.159438	0.016114	0	0	0
88	P-22	48	0	0	0	0	0.425168	0.04297	0	0	0
89	P-22	48	0	0	0	0	0.212584	0.021485	0	0	0
90	P-22	30	0	0	0	0	0.088577	0.008952	0	0	0
91	P-23	36	0	0	0	0	0.425168	0.04297	0	0	0
92	P-23	36	0	0	0	0	0.637752	0.064455	0	0	0
93	P-23	36	0	0	0	0	0.159438	0.016114	0	0	0
94	P-22	48	0	0	0	0	0.028578	0.007145	0	0	0
95	P-23	36	0	0	0	0	0.042868	0.010717	0	0	0
96	L-24	138	0	0	0	0	0.407453	0.04118	0	0	0
97	L-24	138	0	0	0	0	0	0	0	0	0
98	L-24	138	0	0	0	0	0.10955	0.027388	0	0	0

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

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

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-22	Foundation Installation	Truck - Dump 10-12 Yd	Diesel	415	1	2026	2	40	80	95	76	4	hhdt	0	0	0	0	1.525695	0.159797	0	0	0
91	P-23	Structure and Conductor Installation	Pickup - 1/2 ton	Gasoline	395	4	2026	8	40	320	95	304	16	passenger	0	0	0	0	6.102781	0.639189	0	0	0
92	P-23	Structure and Conductor Installation	Pickup - 1 ton	Diesel	410	4	2026	8	60	480	95	456	24	passenger	0	0	0	0	9.154171	0.958784	0	0	0
93	P-23	Structure and Conductor Installation	Truck - Water 4 K	Diesel	300	1	2026	2	60	120	95	114	6	vendor	0	0	0	0	2.288543	0.239696	0	0	0
94	P-22	Foundation Installation	Worker Commute	Gasoline	NA	15	2026	30	60	1800	100	1800	0	passenger	0	0	0	0	1.190766	0.297691	0	0	0
95	P-23	Structure and Conductor Installation	Worker Commute	Gasoline	NA	30	2026	60	60	3600	100	3600	0	passenger	0	0	0	0	2.381532	0.595383	0	0	0
96	-24	Northern Transition Approach Construction	Truck - Dump 10-12 Yd	Diesel	415	1	2026	2	40	80	95	76	4	hhdt	0	0	0	0	1.525695	0.159797	0	0	0
97	-24	Northern Transition Approach Construction	Onshore Trucks	Diesel	300	0	2026	0	60	0	95	0	0	vendor	0	0	0	0	0	0	0	0	0
98	-24	Northern Transition Approach Construction	Worker Commute	Gasoline	NA	20	2026	40	60	2400	100	2400	0	passenger	0	0	0	0	1.587688	0.396922	0	0	0

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

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
1	L-01	26	0	0	0	0	0.039668	0.004155	0	0	0
2	L-02	76	0	0	0	0	0.231906	0.024289	0	0	0
3	L-02	76	0	0	0	0	0.289882	0.030361	0	0	0
4	L-02	76	0	0	0	0	0.231906	0.024289	0	0	0
5	L-02	76	0	0	0	0	0.231906	0.024289	0	0	0
6	L-02	76	0	0	0	0	0.115953	0.012145	0	0	0
7	L-03	152	0	0	0	0	0.231906	0.024289	0	0	0
8	L-03	152	0	0	0	0	0.463811	0.048578	0	0	0
9	L-03	152	0	0	0	0	0.463811	0.048578	0	0	0
10	L-03	152	0	0	0	0	0.695717	0.072868	0	0	0
11	L-03	152	0	0	0	0	0.347858	0.036434	0	0	0
12	L-04	333	0	0	0	0	1.016113	0.106425	0	0	0
13	L-04	333	0	0	0	0	1.016113	0.106425	0	0	0
14	L-04	333	0	0	0	0	0.508056	0.053212	0	0	0
15	P-05	54	0	0	0	0	0.247163	0.025887	0	0	0
16	P-05	70	0	0	0	0	0.320396	0.033557	0	0	0
17	P-05	70	0	0	0	0	0.160198	0.016779	0	0	0
18	P-05	20	0	0	0	0	0.030514	0.003196	0	0	0
19	P-06	40	0	0	0	0	0.061028	0.006392	0	0	0
20	P-06	40	0	0	0	0	0.091542	0.009588	0	0	0
21	P-06	40	0	0	0	0	0.091542	0.009588	0	0	0
22	P-06	13	0	0	0	0	0.009917	0.001039	0	0	0
23	P-07	12	0	0	0	0	0.009154	0.000959	0	0	0
24	P-07	40	0	0	0	0	0.122056	0.012784	0	0	0
25	P-07	40	0	0	0	0	0.183083	0.019176	0	0	0
26	P-07	40	0	0	0	0	0.091542	0.009588	0	0	0
27	L-08	16	0	0	0	0	0.024411	0.002557	0	0	0
28	L-08	16	0	0	0	0	0.024411	0.002557	0	0	0
29	L-08	16	0	0	0	0	0.024411	0.002557	0	0	0
30	L-08	16	0	0	0	0	0.024411	0.002557	0	0	0
31	L-09	22	0	0	0	0	0.100696	0.010547	0	0	0
32	L-09	22	0	0	0	0	0.067131	0.007031	0	0	0
33	L-09	22	0	0	0	0	0.033565	0.003516	0	0	0

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
34	L-09	22	0	0	0	0	0.033565	0.003516	0	0	0
35	L-10	24	0	0	0	0	0.036617	0.003835	0	0	0
36	L-10	24	0	0	0	0	0.036617	0.003835	0	0	0
37	L-10	24	0	0	0	0	0.036617	0.003835	0	0	0
38	L-11	26	0	0	0	0	0.029751	0.003116	0	0	0
39	L-11	26	0	0	0	0	0.079336	0.008309	0	0	0
40	L-11	26	0	0	0	0	0.079336	0.008309	0	0	0
41	L-11	26	0	0	0	0	0.039668	0.004155	0	0	0
42	L-12	150	0	0	0	0	0	0	0	0	0
43	L-15	138	0	0	0	0	0.421092	0.044104	0	0	0
44	L-15	138	0	0	0	0	0.631638	0.066156	0	0	0
45	L-16	70	0	0	0	0	0.213597	0.022372	0	0	0
46	L-16	70	0	0	0	0	0.213597	0.022372	0	0	0
47	L-16	70	0	0	0	0	0.106799	0.011186	0	0	0
48	P-17	51	0	0	0	0	0.07781	0.00815	0	0	0
49	P-17	51	0	0	0	0	0.116716	0.012224	0	0	0
50	P-17	51	0	0	0	0	0.07781	0.00815	0	0	0
51	P-17	51	0	0	0	0	0.233431	0.024449	0	0	0
52	L-18	103	0	0	0	0	0.23572	0.024689	0	0	0
53	L-18	103	0	0	0	0	0.23572	0.024689	0	0	0
54	L-18	103	0	0	0	0	0.23572	0.024689	0	0	0
55	L-18	103	0	0	0	0	0	0	0	0	0
56	P-19	250	0	0	0	0	0.762848	0.079899	0	0	0
57	P-19	250	0	0	0	0	1.144271	0.119848	0	0	0
58	P-19	250	0	0	0	0	0.572136	0.059924	0	0	0
59	L-20	174	0	0	0	0	0.530942	0.055609	0	0	0
60	L-20	174	0	0	0	0	0.530942	0.055609	0	0	0
61	L-20	174	0	0	0	0	0.132735	0.013902	0	0	0
62	L-21	140	0	0	0	0	0.427195	0.044743	0	0	0
63	L-21	140	0	0	0	0	0.213597	0.022372	0	0	0
64	L-21	140	0	0	0	0	0.427195	0.044743	0	0	0
65	L-21	140	0	0	0	0	0.213597	0.022372	0	0	0
66	L-01	26	0	0	0	0	0.004128	0.001032	0	0	0
67	L-02	76	0	0	0	0	0.036199	0.00905	0	0	0

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
68	L-03	152	0	0	0	0	0.241329	0.060332	0	0	0
69	L-04	333	0	0	0	0	0.396525	0.099131	0	0	0
70	P-05	70	0	0	0	0	0.041677	0.010419	0	0	0
71	P-06	40	0	0	0	0	0.023815	0.005954	0	0	0
72	P-07	40	0	0	0	0	0.047631	0.011908	0	0	0
73	L-08	16	0	0	0	0	0.007621	0.001905	0	0	0
74	L-09	22	0	0	0	0	0.010479	0.00262	0	0	0
75	L-10	24	0	0	0	0	0.011431	0.002858	0	0	0
76	L-11	26	0	0	0	0	0.03096	0.00774	0	0	0
77	L-12	150	0	0	0	0	0	0	0	0	0
78	L-13	25	0	0	0	0	0	0	0	0	0
79	L-14	125	0	0	0	0	0.124038	0.03101	0	0	0
80	L-15	138	0	0	0	0	0.136938	0.034235	0	0	0
81	L-16	70	0	0	0	0	0.055569	0.013892	0	0	0
82	P-17	51	0	0	0	0	0.020243	0.005061	0	0	0
83	L-18	103	0	0	0	0	0.04906	0.012265	0	0	0
84	P-19	250	0	0	0	0	0.148846	0.037211	0	0	0
85	L-20	174	0	0	0	0	0.165755	0.041439	0	0	0
86	L-21	140	0	0	0	0	0.066683	0.016671	0	0	0
87	P-22	18	0	0	0	0	0.041194	0.004315	0	0	0
88	P-22	48	0	0	0	0	0.10985	0.011505	0	0	0
89	P-22	48	0	0	0	0	0.054925	0.005753	0	0	0
90	P-22	30	0	0	0	0	0.022885	0.002397	0	0	0
91	P-23	36	0	0	0	0	0.10985	0.011505	0	0	0
92	P-23	36	0	0	0	0	0.164775	0.017258	0	0	0
93	P-23	36	0	0	0	0	0.041194	0.004315	0	0	0
94	P-22	48	0	0	0	0	0.028578	0.007145	0	0	0
95	P-23	36	0	0	0	0	0.042868	0.010717	0	0	0
96	L-24	138	0	0	0	0	0.105273	0.011026	0	0	0
97	L-24	138	0	0	0	0	0	0	0	0	0
98	L-24	138	0	0	0	0	0.10955	0.027388	0	0	0

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

Count	Activity Index	Activity Name	Equipment Name	Fuel Type	Quantity	Hours Per Day	CalEEModType	EM Type	Acres Graded	Hours Bulldozed	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
1	L-02	Site Development/Staging Yards	Motor Grader	Diesel	2	8	Graders	grading	0.5	0	0	0	0	0	0.53025	0.057255	0	0	0
2	L-02	Site Development/Staging Yards	Scraper	Diesel	4	8	Scrapers	grading	1	0	0	0	0	0	1.0605	0.114509	0	0	0
3	P-05	Foundation Installation	Motor Grader	Diesel	0	0	Graders	grading	0	0	0	0	0	0	0	0	0	0	0
4	L-08	Access Road Construction	Motor Grader	Diesel	1	8	Graders	grading	0.5	0	0	0	0	0	0.53025	0.057255	0	0	0
5	L-08	Access Road Construction	D6 Type Dozer	Diesel	1	8	Rubber Tired Dozers	bulldozing	0	8	0	0	0	0	6.022086	3.310227	0	0	0
6	L-21	Cleanup and Restoration	Motor Grader	Diesel	2	8	Graders	grading	0.5	0	0	0	0	0	0.53025	0.057255	0	0	0
7	L-21	Cleanup and Restoration	D6 Type Dozer	Diesel	1	8	Rubber Tired Dozers	bulldozing	0	8	0	0	0	0	6.022086	3.310227	0	0	0

Table 30: Earth Moving Uncontrolled Emissions (tons)

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
1	L-02	76	0	0	0	0	0.02015	0.002176	0	0	0
2	L-02	76	0	0	0	0	0.040299	0.004351	0	0	0
3	P-05	0	0	0	0	0	0	0	0	0	0
4	L-08	16	0	0	0	0	0.004242	0.000458	0	0	0
5	L-08	16	0	0	0	0	0.048177	0.026482	0	0	0
6	L-21	140	0	0	0	0	0.037118	0.004008	0	0	0
7	L-21	140	0	0	0	0	0.421546	0.231716	0	0	0

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

Count	Activity Index	Activity Name	Equipment Name	Fuel Type	Quantity	Hours Per Day	CalEEModType	EM Type	Acres Graded	Hours Bulldozed	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
1	L-02	Site Development/Staging Yards	Motor Grader	Diesel	2	8	Graders	grading	0.5	0	0	0	0	0	0.206798	0.022329	0	0	0
2	L-02	Site Development/Staging Yards	Scraper	Diesel	4	8	Scrapers	grading	1	0	0	0	0	0	0.413595	0.044659	0	0	0
3	P-05	Foundation Installation	Motor Grader	Diesel	0	0	Graders	grading	0	0	0	0	0	0	0	0	0	0	0
4	L-08	Access Road Construction	Motor Grader	Diesel	1	8	Graders	grading	0.5	0	0	0	0	0	0.206798	0.022329	0	0	0
5	L-08	Access Road Construction	D6 Type Dozer	Diesel	1	8	Rubber Tired Dozers	bulldozing	0	8	0	0	0	0	2.348614	1.290989	0	0	0
6	L-21	Cleanup and Restoration	Motor Grader	Diesel	2	8	Graders	grading	0.5	0	0	0	0	0	0.206798	0.022329	0	0	0
7	L-21	Cleanup and Restoration	D6 Type Dozer	Diesel	1	8	Rubber Tired Dozers	bulldozing	0	8	0	0	0	0	2.348614	1.290989	0	0	0

Table 32: Earth Moving Controlled Emissions (tons)

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
1	L-02	76	0	0	0	0	0.007858	0.000849	0	0	0
2	L-02	76	0	0	0	0	0.015717	0.001697	0	0	0
3	P-05	0	0	0	0	0	0	0	0	0	0
4	L-08	16	0	0	0	0	0.001654	0.000179	0	0	0
5	L-08	16	0	0	0	0	0.018789	0.010328	0	0	0
6	L-21	140	0	0	0	0	0.014476	0.001563	0	0	0
7	L-21	140	0	0	0	0	0.164403	0.090369	0	0	0

Table 33: Heavy-Duty Helicopter Emissions

Helicopter Model	Sikorsky Black Hawk		
Engine Type	T700-GE-700		
Fuel S Content by Weight	0.3 %		
Fuel Burn Rate	164 gal/hr		
Jet Fuel density	7 lbs/gal		
Fuel Type	Jet Fuel A		
High Heat Value	0.135 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	

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

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

Construction Phase	Working Days	Emissions tons					MT	
		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 34: Light-Duty Helicopter Emissions

Helicopter Model	Hughes 500
Engine Type	DDA250-C18
Fuel S Content by Weight	0.3 %
Fuel Burn Rate	32 gal/hr
Jet Fuel density	7 lbs/gal
Fuel Type	Jet Fuel A
High Heat Value	0.135 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	

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

Activity	Working Hrs	Emissions lbs/day						
		HC	CO	NOx	SOx	PM10	PM2.5	CO2
Flight	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	Working Days	Emissions tons					MT	
		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 35: Electrical Consumption Emission Factors

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

Units in lbs/MWh

Table 36: Annual Electrical Consumption GHG Emissions

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

Units in metric tons

Table 37: SF6 Emissions (metric tons/year)

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

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

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

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

Equipment Name	Fuel Type	Trips	Year	Trip Length	VTM	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 40: 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	9.015787	57.99102	54.93527	0.152218	3.323563	70.29031	73.61388	2.374116	7.458669	9.832785	13764.81	0.421281	0.284993
L-12	Transition Structure Foundation Installation	0	0	0	0	0	0	0	0	0	0	0	0	0
L-13	Transition Structure Installation	0	0	0	0	0	0	0	0	0	0	0	0	0
L-14	Submarine Cable Installation	8.386943	74.83635	92.01735	0.180606	2.233249	1.98461	4.217858	1.987226	0.496152	2.483379	15343.08	0.572092	0.153525
L-15	Southern Transition Approach Construction	3.182844	27.93772	25.73729	0.097958	1.489574	61.03572	62.5253	1.219705	6.464228	7.683933	10306.33	0.272866	0.475705
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	Vaca Dixon, Tesla, and Pittsburg Substation Upgrades	1.248634	11.56652	14.00266	0.043364	0.586919	77.95722	78.54413	0.468267	8.056189	8.524456	4568.99	0.11925	0.203242
L-20	Commissioning and Testing	1.953879	17.60568	22.24304	0.058842	0.700886	55.05123	55.75211	0.562828	5.847574	6.410402	5702.733	0.165461	0.144263
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

Table 41: 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	4.532689	7.979509	62.14109	0.152218	1.283992	19.92703	21.21102	0.51149	2.433051	2.944542	13764.81	0.421281	0.284993
L-12	Transition Structure Foundation Installation	0	0	0	0	0	0	0	0	0	0	0	0	0
L-13	Transition Structure Installation	0	0	0	0	0	0	0	0	0	0	0	0	0
L-14	Submarine Cable Installation	2.355714	14.07168	79.74767	0.180606	0.53732	1.98461	2.52193	0.444244	0.496152	0.940396	15343.08	0.572092	0.153525
L-15	Southern Transition Approach Construction	1.933424	14.90395	38.50063	0.097958	0.990953	17.24156	18.23251	0.768855	2.094125	2.86298	10306.33	0.272866	0.475705
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	Vaca Dixon, Tesla, and Pittsburg Substation Upgrades	0.704775	5.541563	16.98198	0.043364	0.33119	21.0248	21.35599	0.235226	2.375056	2.610282	4568.99	0.11925	0.203242
L-20	Commissioning and Testing	0.803957	4.92215	25.02892	0.058842	0.305979	15.63648	15.94246	0.203335	1.914482	2.117816	5702.733	0.165461	0.144263
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

Table 42: 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	0	0	0	0.00033	0.157661	0.15799	0.000116	0.016549	0.016665	0	0	0
L-02	Site Development/Staging Yards	0.198834	1.731986	1.730127	0.005061	0.079427	4.360138	4.439565	0.067334	0.446472	0.513806	539.7832	0.021896	0.004379
L-03	Below-Grade Construction	0.239619	2.02125	2.35576	0.005599	0.148101	8.76831	8.91641	0.118126	0.922122	1.040249	598.1033	0.024262	0.004852
L-04	Above-Grade Construction	0.423493	3.823573	2.716232	0.005694	0.242441	10.22854	10.47098	0.205716	1.092816	1.298532	581.4853	0.023588	0.004718
P-05	Foundation Installation	0.026274	0.228555	0.269562	0.000783	0.022818	2.976517	2.999336	0.016562	0.307033	0.323594	84.80602	0.00344	0.000688
P-06	Structure Installation	0.076326	0.445643	0.189285	0.00251	0.111296	1.007016	1.118312	0.062144	0.105322	0.167466	114.0474	0.001779	0.000356
P-07	Conductor Installation	0.096851	0.190888	0.20016	0.001016	0.034347	1.61839	1.652738	0.014486	0.170658	0.185145	57.87364	0.001334	0.000267
L-08	Access Road Construction	0.012155	0.121621	0.094921	0.000224	0.006334	0.437967	0.444301	0.005237	0.067041	0.072278	24.21039	0.000982	0.000196
L-09	Foundation Installation	0.013607	0.114841	0.127661	0.000393	0.008578	0.919866	0.928444	0.006309	0.094528	0.100837	42.58231	0.001727	0.000345
L-10	Structure Installation	0.018487	0.165769	0.120665	0.000403	0.008427	0.436599	0.445026	0.007154	0.045828	0.052982	43.6587	0.001771	0.000354
L-11	Conductor Installation	0.110385	0.727773	0.592752	0.001519	0.043206	0.913774	0.95698	0.030864	0.096963	0.127826	131.8888	0.004843	0.000969
L-12	Transition Structure Foundation Installation	0	0	0	0	0	0	0	0	0	0	0	0	0
L-13	Transition Structure Installation	0	0	0	0	0	0	0	0	0	0	0	0	0
L-14	Submarine Cable Installation	0.505736	4.644908	5.342779	0.010029	0.139578	0.124038	0.263616	0.124202	0.03101	0.155211	831.5954	0.033733	0.006747
L-15	Southern Transition Approach Construction	0.193851	1.684568	1.269658	0.003782	0.102781	4.211465	4.314246	0.08416	0.446032	0.530191	402.9172	0.016344	0.003269
L-16	Substation Getaways	0.103344	0.909046	0.699727	0.001291	0.061283	2.122358	2.183641	0.053681	0.222775	0.276456	132.4163	0.005371	0.001074
P-17	Distribution Extension to Substation	0.047064	0.446531	0.403199	0.001083	0.029745	1.977787	2.007533	0.024071	0.202902	0.226973	117.2391	0.004756	0.000951
L-18	Fiber Extension to Substation	0.094306	0.901168	0.767969	0.001679	0.063399	2.786079	2.849478	0.05281	0.288885	0.341695	181.8819	0.007378	0.001476
P-19	Vaca Dixon, Tesla, and Pittsburg Substation Upgrades	0.105912	1.210951	1.033662	0.002488	0.073365	9.744652	9.818017	0.058533	1.007024	1.065557	269.4226	0.010929	0.002186
L-20	Commissioning and Testing	0.131481	1.412446	1.265356	0.002881	0.060977	4.789457	4.850434	0.048966	0.508739	0.557705	268.1172	0.010876	0.002175
L-21	Cleanup and Restoration	0.180487	1.673636	1.249638	0.002886	0.103805	5.48564	5.589446	0.089939	0.753713	0.843651	312.6823	0.012684	0.002537
P-22	Foundation Installation	0.005565	0.053373	0.058066	0.00023	0.006766	0.914345	0.921111	0.004464	0.096666	0.10113	24.8495	0.001008	0.000202
P-23	Structure and Conductor Installation	0.017354	0.174514	0.107548	0.000355	0.013083	1.265226	1.278308	0.010178	0.134256	0.144434	38.4081	0.001558	0.000312
L-24	Northern Transition Approach Construction	0.152848	1.305842	0.971746	0.002679	0.075973	0.517003	0.592976	0.065352	0.068567	0.13392	283.4753	0.011499	0.0023

Table 43: 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	0	0	0	0.00033	0.043796	0.044126	0.000116	0.005187	0.005303	0	0	0
L-02	Site Development/Staging Yards	0.061248	0.376536	2.836237	0.005061	0.02769	1.161326	1.189016	0.020522	0.126969	0.147491	539.7832	0.021896	0.004379
L-03	Below-Grade Construction	0.14383	1.114653	3.444712	0.005599	0.113212	2.444432	2.557645	0.086736	0.291079	0.377816	598.1033	0.024262	0.004852
L-04	Above-Grade Construction	0.28892	2.344145	3.536797	0.005694	0.179862	2.936807	3.116669	0.148757	0.365194	0.513951	581.4853	0.023588	0.004718
P-05	Foundation Installation	0.00876	0.054942	0.461072	0.000783	0.015655	0.799947	0.815602	0.010093	0.089838	0.099932	84.80602	0.00344	0.000688
P-06	Structure Installation	0.059941	0.262789	0.283148	0.00251	0.10364	0.277844	0.381483	0.055167	0.03256	0.087727	114.0474	0.001779	0.000356
P-07	Conductor Installation	0.084927	0.054977	0.264337	0.001016	0.028704	0.453466	0.48217	0.009345	0.054414	0.063758	57.87364	0.001334	0.000267
L-08	Access Road Construction	0.002616	0.017895	0.121672	0.000224	0.002129	0.125709	0.127838	0.001402	0.022639	0.024041	24.21039	0.000982	0.000196
L-09	Foundation Installation	0.004487	0.029236	0.224692	0.000393	0.005246	0.245436	0.250682	0.003304	0.027228	0.030532	42.58231	0.001727	0.000345
L-10	Structure Installation	0.004139	0.021522	0.219006	0.000403	0.002495	0.121281	0.123776	0.001763	0.014363	0.016126	43.6587	0.001771	0.000354
L-11	Conductor Installation	0.052105	0.077623	0.686428	0.001519	0.016692	0.259051	0.275743	0.006649	0.03163	0.038279	131.8888	0.004843	0.000969
L-12	Transition Structure Foundation Installation	0	0	0	0	0	0	0	0	0	0	0	0	0
L-13	Transition Structure Installation	0	0	0	0	0	0	0	0	0	0	0	0	0
L-14	Submarine Cable Installation	0.128784	0.847117	4.575924	0.010029	0.033582	0.124038	0.157621	0.027765	0.03101	0.058775	831.5954	0.033733	0.006747
L-15	Southern Transition Approach Construction	0.107641	0.785238	2.150329	0.003782	0.068376	1.189668	1.258043	0.053051	0.144495	0.197546	402.9172	0.016344	0.003269
L-16	Substation Getaways	0.079976	0.653453	0.844737	0.001291	0.050453	0.589562	0.640015	0.043826	0.069821	0.113648	132.4163	0.005371	0.001074
P-17	Distribution Extension to Substation	0.021045	0.155014	0.631322	0.001083	0.017985	0.526011	0.543996	0.0134	0.058034	0.071434	117.2391	0.004756	0.000951
L-18	Fiber Extension to Substation	0.052988	0.4382	1.025292	0.001679	0.04408	0.756219	0.800299	0.03522	0.086331	0.121551	181.8819	0.007378	0.001476
P-19	Vaca Dixon, Tesla, and Pittsburg Substation Upgrades	0.037929	0.457832	1.406077	0.002488	0.041399	2.6281	2.669499	0.029403	0.296882	0.326285	269.4226	0.010929	0.002186
L-20	Commissioning and Testing	0.031438	0.308979	1.507727	0.002881	0.02662	1.360374	1.386994	0.01769	0.16656	0.18425	268.1172	0.010876	0.002175
L-21	Cleanup and Restoration	0.075626	0.530804	1.661293	0.002886	0.059262	1.527146	1.586407	0.049353	0.242833	0.292186	312.6823	0.012684	0.002537
P-22	Foundation Installation	0.002667	0.017895	0.125245	0.00023	0.005665	0.257433	0.263098	0.003486	0.031114	0.0346	24.8495	0.001008	0.000202
P-23	Structure and Conductor Installation	0.003636	0.018909	0.189088	0.000355	0.006622	0.358686	0.365309	0.004293	0.043795	0.048087	38.4081	0.001558	0.000312
L-24	Northern Transition Approach Construction	0.096335	0.726446	1.562405	0.002679	0.054312	0.214823	0.269135	0.045787	0.038414	0.084201	283.4753	0.011499	0.0023

Table 44: Activity Distribution by Year and District

Type	Count	Index	Name	Start Date	End Date	Schedule Days	Pct 2026	Pct 2027	Pct 2028	PCT BAAQMD	PCT SMAQMD
LSPGC	1	L-01	Survey	5/1/2026	6/1/2026	26	1.00	0.00	0.00	1.00	0.00
LSPGC	2	L-02	Site Development/Staging Yards	5/1/2026	8/1/2026	76	1.00	0.00	0.00	1.00	0.00
LSPGC	3	L-03	Below-Grade Construction	7/14/2026	1/14/2027	152	0.93	0.07	0.00	1.00	0.00
LSPGC	4	L-04	Above-Grade Construction	1/2/2027	2/11/2028	333	0.00	0.90	0.10	1.00	0.00
PG&E	5	P-05	Foundation Installation	5/17/2027	8/25/2027	84	0.00	1.00	0.00	1.00	0.00
PG&E	6	P-06	Structure Installation	7/29/2027	9/23/2027	48	0.00	1.00	0.00	1.00	0.00
PG&E	7	P-07	Conductor Installation	9/24/2027	11/19/2027	47	0.00	1.00	0.00	1.00	0.00
LSPGC	8	L-08	Access Road Construction	5/1/2027	5/19/2027	16	0.00	1.00	0.00	1.00	0.00
LSPGC	9	L-09	Foundation Installation	5/20/2027	6/15/2027	22	0.00	1.00	0.00	1.00	0.00
LSPGC	10	L-10	Structure Installation	6/16/2027	7/15/2027	24	0.00	1.00	0.00	1.00	0.00
LSPGC	11	L-11	Conductor Installation	7/16/2027	8/15/2027	26	0.00	1.00	0.00	1.00	0.00
LSPGC	12	L-12	Transition Structure Foundation Installation	6/15/2026	12/15/2026	150	1.00	0.00	0.00	1.00	0.00
LSPGC	13	L-13	Transition Structure Installation	6/15/2027	7/15/2027	25	0.00	1.00	0.00	1.00	0.00
LSPGC	14	L-14	Submarine Cable Installation	7/1/2027	11/30/2027	125	0.00	1.00	0.00	0.70	0.30
LSPGC	15	L-15	Southern Transition Approach Construction	6/15/2027	11/30/2027	138	0.00	1.00	0.00	1.00	0.00
LSPGC	16	L-16	Substation Getaways	6/1/2027	8/23/2027	70	0.00	1.00	0.00	1.00	0.00
PG&E	17	P-17	Distribution Extension to Substation	6/1/2026	8/1/2026	51	1.00	0.00	0.00	1.00	0.00
LSPGC	18	L-18	Fiber Extension to Substation	6/1/2027	10/1/2027	103	0.00	1.00	0.00	1.00	0.00
PG&E	19	P-19	Vaca Dixon, Tesla, and Pittsburg Substation Upgrades	5/1/2027	5/31/2028	325	0.00	0.61	0.39	1.00	0.00
LSPGC	20	L-20	Commissioning and Testing	11/1/2027	6/1/2028	174	0.00	0.27	0.73	1.00	0.00
LSPGC	21	L-21	Cleanup and Restoration	2/1/2028	7/17/2028	140	0.00	0.00	1.00	1.00	0.00
PG&E	22	P-22	Foundation Installation	6/1/2027	7/28/2027	48	0.00	1.00	0.00	1.00	0.00
PG&E	23	P-23	Structure and Conductor Installation	1/18/2028	2/29/2028	36	0.00	0.00	1.00	1.00	0.00
LSPGC	24	L-24	Northern Transition Approach Construction	6/15/2027	11/30/2027	138	0.00	1.00	0.00	1.00	0.00

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	4.1	4.3	0.0	0.2	14.6	14.9	0.2	1.5	1.7	1211.842	0.049	0.010	1216.001	1103.137
BAAQMD	Unctrl	2027	1.8	14.8	12.7	0.0	0.9	36.0	37.0	0.7	3.8	4.6	2909.515	0.114	0.023	2919.130	2648.191
BAAQMD	Unctrl	2028	0.4	3.7	3.0	0.0	0.2	15.1	15.3	0.2	1.8	1.9	710.609	0.029	0.006	713.048	646.866
BAAQMD	Ctrl	2026	0.2	1.6	6.7	0.0	0.2	4.0	4.1	0.1	0.5	0.6	1211.842	0.049	0.010	1216.001	1103.137
BAAQMD	Ctrl	2027	0.9	6.3	15.9	0.0	0.6	10.2	10.8	0.5	1.2	1.7	2909.515	0.114	0.023	2919.130	2648.191
BAAQMD	Ctrl	2028	0.1	1.2	3.9	0.0	0.1	4.2	4.3	0.1	0.6	0.7	710.609	0.029	0.006	713.048	646.866

[illegible]

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

Phase	CO2	CH4	N2O	SF6	CO2e
Construction	4383.49	0.17	0.03	0.00	4398.19
O&M	2.47	0.00	0.00	0.00	2.59
Electricity	35.66	0.01	0.00	0.00	36.01
SF6 Loss	0.00	0.00	0.00	0.01	214.00
O&M Total	38.13	0.01	0.00	0.01	252.60

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

Phase	CO2	CH4	N2O	SF6	CO2e
Construction	226.32	0.01	0.00	0.00	227.10
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	7.54	0.00	0.00	0.00	7.57

Table 49: 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
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
8	L-02	Site Development/Staging Yards	Pickup - 1/2 Ton	395	Gasoline	4	76	4	on	passenger	40	2	320	24320	8	Automobile
11	L-02	Site Development/Staging Yards	Pickup - 1 Ton	410	Diesel	4	76	4	on	passenger	40	2	320	24320	8	Automobile
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
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
22	L-03	Below-Grade Construction	Truck - Concrete	425	Diesel	4	152	5	on	hhdt	60	2	480	72960	8	Const Vehicle
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
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
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
60	P-06	Structure Installation	Pickup - 1/2 ton	395	Gasoline	2	40	2	on	passenger	40	2	160	7680	4	Automobile
62	P-06	Structure Installation	Pickup - 1 ton	410	Diesel	2	40	2	on	passenger	60	2	240	11520	4	Automobile
65	P-06	Structure Installation	Truck - Water 4 K	300	Diesel	2	40	6	on	vendor	60	2	240	11520	4	Const Vehicle
66	P-06	Structure Installation	Jet Fuel Truck	300	Diesel	1	13	8	on	vendor	40	2	80	1040	2	Const Vehicle
68	P-07	Conductor Installation	Jet Fuel Truck	300	Diesel	1	12	8	on	vendor	40	2	80	960	2	Const Vehicle
70	P-07	Conductor Installation	Pickup - 1/2 ton	395	Gasoline	4	40	2	on	passenger	40	2	320	15040	8	Automobile
71	P-07	Conductor Installation	Pickup - 1 Ton	410	Diesel	4	40	2	on	passenger	60	2	480	22560	8	Automobile
74	P-07	Conductor Installation	Truck - Water 4 K	300	Diesel	2	40	6	on	vendor	60	2	240	11280	4	Const Vehicle
76	L-08	Access Road Construction	Pickup - 1/2 ton	395	Gasoline	2	16	4	on	passenger	40	2	160	2560	4	Automobile
77	L-08	Access Road Construction	Pickup - 1 ton	410	Diesel	2	16	4	on	passenger	40	2	160	2560	4	Automobile
79	L-08	Access Road Construction	Truck - Dump 10-12 Yd	415	Diesel	2	16	8	on	hhdt	40	2	160	2560	4	Const Vehicle
81	L-08	Access Road Construction	Truck - Water 4 K	300	Diesel	2	16	6	on	vendor	40	2	160	2560	4	Const Vehicle
86	L-09	Foundation Installation	Truck - Concrete	425	Diesel	4	22	5	on	hhdt	60	2	480	10560	8	Const Vehicle
87	L-09	Foundation Installation	Pickup - 1 Ton	410	Diesel	4	22	2	on	passenger	40	2	320	7040	8	Automobile
88	L-09	Foundation Installation	Truck - Water 4 K	300	Diesel	2	22	6	on	vendor	40	2	160	3520	4	Const Vehicle
89	L-09	Foundation Installation	Truck - Dump 10-12 Yd	415	Diesel	2	22	8	on	hhdt	40	2	160	3520	4	Const Vehicle
96	L-10	Structure Installation	Pickup - 1/2 ton	395	Gasoline	2	24	2	on	passenger	40	2	160	3840	4	Automobile
98	L-10	Structure Installation	Pickup - 1 ton	410	Diesel	2	24	2	on	passenger	40	2	160	3840	4	Automobile
101	L-10	Structure Installation	Truck - Water 4 K	300	Diesel	2	24	6	on	vendor	40	2	160	3840	4	Const Vehicle
103	L-11	Conductor Installation	Jet Fuel Truck	300	Diesel	1	26	8	on	vendor	60	2	120	3120	2	Const Vehicle
105	L-11	Conductor Installation	Pickup - 1/2 ton	395	Gasoline	4	26	2	on	passenger	40	2	320	8320	8	Automobile
106	L-11	Conductor Installation	Pickup - 1 Ton	410	Diesel	4	26	2	on	passenger	40	2	320	8320	8	Automobile
109	L-11	Conductor Installation	Truck - Water 4 K	300	Diesel	2	26	6	on	vendor	40	2	160	4160	4	Const Vehicle
120	L-12	Transition Structure Foundation Installation	Truck - Concrete	425	Diesel	0	150	10	on	hhdt	60	2	0	0	0	Const Vehicle
157	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
159	L-15	Southern Transition Approach Construction	Onshore Trucks	300	Diesel	4	138	8	on	vendor	60	2	480	66240	8	Const Vehicle
160	L-16	Substation Getaways	Pickup - 1/2 Ton	395	Gasoline	4	70	2	on	passenger	40	2	320	22400	8	Automobile
161	L-16	Substation Getaways	Pickup - 1 Ton	410	Diesel	4	70	2	on	passenger	40	2	320	22400	8	Automobile
162	L-16	Substation Getaways	Welding Truck	395	Diesel	2	70	2	on	vendor	40	2	160	11200	4	Const Vehicle
172	P-17	Distribution Extension to Substation	Pickup - 1/2 ton	395	Gasoline	2	51	2	on	passenger	40	2	160	8160	4	Automobile
176	P-17	Distribution Extension to Substation	Pickup - 1 Ton	410	Diesel	2	51	2	on	passenger	60	2	240	12240	4	Automobile
179	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
181	P-17	Distribution Extension to Substation	Truck - Concrete	425	Diesel	4	51	5	on	hhdt	60	2	480	24480	8	Const Vehicle
186	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
189	L-18	Fiber Extension to Substation	Pickup - 1 Ton	410	Diesel	3	103	2	on	passenger	40	2	240	24720	6	Automobile
190	L-18	Fiber Extension to Substation	Truck - Concrete	425	Diesel	2	103	5	on	hhdt	60	2	240	24720	4	Const Vehicle
193	L-18	Fiber Extension to Substation	Truck - Water 4 K	300	Diesel	0	103	6	on	vendor	40	2	0	0	0	Const Vehicle
194	P-19	Vaca Dixon, Tesla, and Pittsburg Substation Upgrades	Pickup - 1/2 Ton	395	Gasoline	4	250	2	on	passenger	40	2	320	104000	8	Automobile

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
195	P-19	Vaca Dixon, Tesla, and Pittsburg Substation Upgrades	Pickup - 1 Ton	410	Diesel	4	250	2	on	passenger	60	2	480	156000	8	Automobile
196	P-19	Vaca Dixon, Tesla, and Pittsburg Substation Upgrades	Welding Truck	395	Diesel	2	250	5	on	vendor	60	2	240	78000	4	Const Vehicle
201	L-20	Commissioning and Testing	Pickup - 1/2 Ton	395	Gasoline	4	174	2	on	passenger	40	2	320	55680	8	Automobile
202	L-20	Commissioning and Testing	Pickup - 1 Ton	410	Diesel	4	174	2	on	passenger	40	2	320	55680	8	Automobile
204	L-20	Commissioning and Testing	Truck - Water 4 K	300	Diesel	1	174	8	on	vendor	40	2	80	13920	2	Const Vehicle
211	L-21	Cleanup and Restoration	Pickup - 1 Ton	410	Diesel	4	140	2	on	passenger	40	2	320	44800	8	Automobile
214	L-21	Cleanup and Restoration	Truck - Water 4 K	300	Diesel	2	140	8	on	vendor	40	2	160	22400	4	Const Vehicle
218	L-21	Cleanup and Restoration	Pickup - 1/2 Ton	395	Gasoline	4	140	2	on	passenger	40	2	320	44800	8	Automobile
219	L-21	Cleanup and Restoration	Truck - Dump 10-12 Yd	415	Diesel	2	140	8	on	hhdt	40	2	160	22400	4	Const Vehicle
220	L-01	Survey	Worker Commute	NA	Gasoline	4	26	NA	on	passenger	60	2	480	12480	8	Automobile
221	L-02	Site Development/Staging Yards	Worker Commute	NA	Gasoline	12	76	NA	on	passenger	60	2	1440	109440	24	Automobile
222	L-03	Below-Grade Construction	Worker Commute	NA	Gasoline	40	152	NA	on	passenger	60	2	4800	729600	80	Automobile
223	L-04	Above-Grade Construction	Worker Commute	NA	Gasoline	30	333	NA	on	passenger	60	2	3600	1198800	60	Automobile
224	P-05	Foundation Installation	Worker Commute	NA	Gasoline	15	70	NA	on	passenger	60	2	1800	151200	30	Automobile
225	P-06	Structure Installation	Worker Commute	NA	Gasoline	15	40	NA	on	passenger	60	2	1800	86400	30	Automobile
226	P-07	Conductor Installation	Worker Commute	NA	Gasoline	30	40	NA	on	passenger	60	2	3600	169200	60	Automobile
227	L-08	Access Road Construction	Worker Commute	NA	Gasoline	12	16	NA	on	passenger	60	2	1440	23040	24	Automobile
228	L-09	Foundation Installation	Worker Commute	NA	Gasoline	12	22	NA	on	passenger	60	2	1440	31680	24	Automobile
229	L-10	Structure Installation	Worker Commute	NA	Gasoline	12	24	NA	on	passenger	60	2	1440	34560	24	Automobile
230	L-11	Conductor Installation	Worker Commute	NA	Gasoline	30	26	NA	on	passenger	60	2	3600	93600	60	Automobile
231	L-12	Transition Structure Foundation Installation	Worker Commute	NA	Gasoline	0	150	NA	on	passenger	60	2	0	0	0	Automobile
232	L-13	Transition Structure Installation	Worker Commute	NA	Gasoline	0	25	NA	on	passenger	60	2	0	0	0	Automobile
233	L-14	Submarine Cable Installation	Worker Commute	NA	Gasoline	25	125	NA	on	passenger	60	2	3000	375000	50	Automobile
234	L-15	Southern Transition Approach Construction	Worker Commute	NA	Gasoline	25	138	NA	on	passenger	60	2	3000	414000	50	Automobile
235	L-16	Substation Getaways	Worker Commute	NA	Gasoline	20	70	NA	on	passenger	60	2	2400	168000	40	Automobile
236	P-17	Distribution Extension to Substation	Worker Commute	NA	Gasoline	10	51	NA	on	passenger	60	2	1200	61200	20	Automobile
237	L-18	Fiber Extension to Substation	Worker Commute	NA	Gasoline	12	103	NA	on	passenger	60	2	1440	148320	24	Automobile
238	P-19	Vaca Dixon, Tesla, and Pittsburg Substation Upgrades	Worker Commute	NA	Gasoline	15	250	NA	on	passenger	60	2	1800	585000	30	Automobile
239	L-20	Commissioning and Testing	Worker Commute	NA	Gasoline	24	174	NA	on	passenger	60	2	2880	501120	48	Automobile
240	L-21	Cleanup and Restoration	Worker Commute	NA	Gasoline	12	140	NA	on	passenger	60	2	1440	201600	24	Automobile
242	P-22	Foundation Installation	Truck - Concrete	425	Diesel	2	18	4	on	hhdt	60	2	240	4320	4	Const Vehicle
243	P-22	Foundation Installation	Pickup - 1 Ton	410	Diesel	2	48	2	on	passenger	60	2	240	11520	4	Automobile
244	P-22	Foundation Installation	Truck - Water 4 K	300	Diesel	1	48	6	on	vendor	60	2	120	5760	2	Const Vehicle
245	P-22	Foundation Installation	Truck - Dump 10-12 Yd	415	Diesel	1	30	8	on	hhdt	40	2	80	2400	2	Const Vehicle
250	P-23	Structure and Conductor Installation	Pickup - 1/2 ton	395	Gasoline	4	36	2	on	passenger	40	2	320	11520	8	Automobile
251	P-23	Structure and Conductor Installation	Pickup - 1 ton	410	Diesel	4	36	2	on	passenger	60	2	480	17280	8	Automobile
254	P-23	Structure and Conductor Installation	Truck - Water 4 K	300	Diesel	1	36	4	on	vendor	60	2	120	4320	2	Const Vehicle
257	P-22	Foundation Installation	Worker Commute	NA	Gasoline	15	48	NA	on	passenger	60	2	1800	86400	30	Automobile
258	P-23	Structure and Conductor Installation	Worker Commute	NA	Gasoline	30	36	NA	on	passenger	60	2	3600	129600	60	Automobile
265	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
267	L-24	Northern Transition Approach Construction	Onshore Trucks	300	Diesel	0	138	8	on	vendor	60	2	0	0	0	Const Vehicle
268	L-24	Northern Transition Approach Construction	Worker Commute	NA	Gasoline	20	138	NA	on	passenger	60	2	2400	331200	40	Automobile

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

Working Day	Type	Year	ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Total
200	Unctrl	2026	4.7	40.5	43.2	0.1	2.5	146.3	148.8	2.0	15.2	17.2
299	Unctrl	2027	11.7	99.0	84.9	0.2	6.2	241.0	247.2	4.9	25.6	30.5
164	Unctrl	2028	4.6	45.6	36.1	0.1	2.6	183.8	186.4	2.2	21.5	23.7
200	Ctrl	2026	2.2	15.7	66.6	0.1	1.5	40.0	41.5	1.1	4.6	5.7
299	Ctrl	2027	6.3	42.0	106.1	0.2	4.2	68.0	72.2	3.0	8.3	11.3
164	Ctrl	2028	1.8	14.5	47.0	0.1	1.5	51.2	52.6	1.1	6.8	8.0
N/A	Threshold	N/A	54	54	None	None	82	None	None	54	None	None

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Table 51: Daily Workforce and Traffic

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Table 51: Daily Workforce and Traffic

Total	Average	Max	Type	12/26/2026	12/27/2026	12/28/2026	12/29/2026	12/30/2026	12/31/2026	1/1/2027	1/2/2027	1/3/2027	1/4/2027	1/5/2027	1/6/2027	1/7/2027	1/8/2027	1/9/2027	1/10/2027	1/11/2027	1/12/2027	1/13/2027	1/14/2027	1/15/2027	1/16/2027	1/17/2027
N/A	74	203	Workforce	40	40	40	40	40	40	40	70	70	70	70	70	70	70	70	70	70	70	70	70	30	30	30
N/A	87	240	Round Trips - Worker	48	48	48	48	48	48	48	86	86	86	86	86	86	86	86	86	86	86	86	86	38	38	38
N/A	13	38	Round Trips - Trucks	12	12	12	12	12	12	12	14	14	14	14	14	14	14	14	14	14	14	14	14	2	2	2
N/A	46	90	Substation Round Trips - Worker	48	48	48	48	48	48	48	86	86	86	86	86	86	86	86	86	86	86	86	86	38	38	38
N/A	7	28	Substation Round Trips - Trucks	12	12	12	12	12	12	12	14	14	14	14	14	14	14	14	14	14	14	14	14	2	2	2
N/A	42	169	Transmission Round Trips - Worker	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N/A	6	30	Transmission Round Trips - Trucks	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N/A	99	273	Round Trips - All	60	60	60	60	60	60	60	100	100	100	100	100	100	100	100	100	100	100	100	100	40	40	40
N/A	52	100	Substation - All	60	60	60	60	60	60	60	100	100	100	100	100	100	100	100	100	100	100	100	100	40	40	40
N/A	47	194	Transmission - All	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6,454,120	9,735	27,540	Worker VMT	5,440	5,440	5,440	5,440	5,440	5,440	5,440	9,680	9,680	9,680	9,680	9,680	9,680	9,680	9,680	9,680	9,680	9,680	9,680	9,680	4,240	4,240	4,240
800,720	1,208	3,838	Trucks VMT	1,120	1,120	1,120	1,120	1,120	1,120	1,120	1,280	1,280	1,280	1,280	1,280	1,280	1,280	1,280	1,280	1,280	1,280	1,280	1,280	160	160	160
7,254,840	10,943	30,858	All VMT	6,560	6,560	6,560	6,560	6,560	6,560	6,560	10,960	10,960	10,960	10,960	10,960	10,960	10,960	10,960	10,960	10,960	10,960	10,960	10,960	4,400	4,400	4,400

Table 51: Daily Workforce and Traffic

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Table 51: Daily Workforce and Traffic

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Table 51: Daily Workforce and Traffic

Total	Average	Max	Type	5/13/2027	5/14/2027	5/15/2027	5/16/2027	5/17/2027	5/18/2027	5/19/2027	5/20/2027	5/21/2027	5/22/2027	5/23/2027	5/24/2027	5/25/2027	5/26/2027	5/27/2027	5/28/2027	5/29/2027	5/30/2027	5/31/2027	6/1/2027	6/2/2027	6/3/2027	6/4/2027
N/A	74	203	Workforce	54	54	54	54	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	113	113	113	113
N/A	87	240	Round Trips - Worker	72	72	72	72	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	148	148	148	148
N/A	13	38	Round Trips - Trucks	8	8	8	8	14	14	14	14	18	18	18	18	18	18	18	18	18	18	18	29	29	29	29
N/A	46	90	Substation Round Trips - Worker	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
N/A	7	28	Substation Round Trips - Trucks	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N/A	42	169	Transmission Round Trips - Worker	16	16	16	16	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	77	77	77
N/A	6	30	Transmission Round Trips - Trucks	4	4	4	4	11	11	11	11	15	15	15	15	15	15	15	15	15	15	15	21	21	21	21
N/A	99	273	Round Trips - All	79	79	79	79	102	102	102	106	106	106	106	106	106	106	106	106	106	106	106	177	177	177	177
N/A	52	100	Substation - All	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
N/A	47	194	Transmission - All	20	20	20	20	43	43	43	47	47	47	47	47	47	47	47	47	47	47	47	98	98	98	98
6,454,120	9,735	27,540	Worker VMT	8,000	8,000	8,000	8,000	9,900	9,900	9,900	9,900	9,900	9,900	9,900	9,900	9,900	9,900	9,900	9,900	9,900	9,900	9,900	16,660	16,660	16,660	16,660
800,720	1,208	3,838	Trucks VMT	665	665	665	665	1,398	1,398	1,398	1,878	1,878	1,878	1,878	1,878	1,878	1,878	1,878	1,878	1,878	1,878	1,878	2,958	2,958	2,958	2,958
7,254,840	10,943	30,858	All VMT	8,665	8,665	8,665	8,665	11,298	11,298	11,298	11,778	11,778	11,778	11,778	11,778	11,778	11,778	11,778	11,778	11,778	11,778	11,778	19,618	19,618	19,618	19,618

Table 51: Daily Workforce and Traffic

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Table 51: Daily Workforce and Traffic

Total	Average	Max	Type	6/28/2027	6/29/2027	6/30/2027	7/1/2027	7/2/2027	7/3/2027	7/4/2027	7/5/2027	7/6/2027	7/7/2027	7/8/2027	7/9/2027	7/10/2027	7/11/2027	7/12/2027	7/13/2027	7/14/2027	7/15/2027	7/16/2027	7/17/2027	7/18/2027	7/19/2027	7/20/2027
N/A	74	203	Workforce	178	178	178	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203
N/A	87	240	Round Trips - Worker	193	193	193	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	240	240	240	240	240
N/A	13	38	Round Trips - Trucks	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	33	33	33	33	33
N/A	46	90	Substation Round Trips - Worker	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
N/A	7	28	Substation Round Trips - Trucks	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N/A	42	169	Transmission Round Trips - Worker	122	122	122	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	169	169	169	169	169
N/A	6	30	Transmission Round Trips - Trucks	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	25	25	25	25	25
N/A	99	273	Round Trips - All	225	225	225	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	273	273	273	273	273
N/A	52	100	Substation - All	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
N/A	47	194	Transmission - All	146	146	146	171	171	171	171	171	171	171	171	171	171	171	171	171	171	171	194	194	194	194	194
6,454,120	9,735	27,540	Worker VMT	22,060	22,060	22,060	25,060	25,060	25,060	25,060	25,060	25,060	25,060	25,060	25,060	25,060	25,060	25,060	25,060	25,060	25,060	27,540	27,540	27,540	27,540	27,540
800,720	1,208	3,838	Trucks VMT	3,198	3,198	3,198	3,198	3,198	3,198	3,198	3,198	3,198	3,198	3,198	3,198	3,198	3,198	3,198	3,198	3,198	3,198	3,318	3,318	3,318	3,318	3,318
7,254,840	10,943	30,858	All VMT	25,258	25,258	25,258	28,258	28,258	28,258	28,258	28,258	28,258	28,258	28,258	28,258	28,258	28,258	28,258	28,258	28,258	28,258	30,858	30,858	30,858	30,858	30,858

Table 51: Daily Workforce and Traffic

Total	Average	Max	Type	9/5/2027	9/6/2027	9/7/2027	9/8/2027	9/9/2027	9/10/2027	9/11/2027	9/12/2027	9/13/2027	9/14/2027	9/15/2027	9/16/2027	9/17/2027	9/18/2027	9/19/2027	9/20/2027	9/21/2027	9/22/2027	9/23/2027	9/24/2027	9/25/2027	9/26/2027	9/27/2027
N/A	74	203	Workforce	136	136	136	136	136	136	136	136	136	136	136	136	136	136	136	136	136	136	136	149	149	149	149
N/A	87	240	Round Trips - Worker	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157	173	173	173	173
N/A	13	38	Round Trips - Trucks	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
N/A	46	90	Substation Round Trips - Worker	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
N/A	7	28	Substation Round Trips - Trucks	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N/A	42	169	Transmission Round Trips - Worker	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	102	102	102	102
N/A	6	30	Transmission Round Trips - Trucks	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
N/A	99	273	Round Trips - All	177	177	177	177	177	177	177	177	177	177	177	177	177	177	177	177	177	177	177	193	193	193	193
N/A	52	100	Substation - All	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
N/A	47	194	Transmission - All	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	114	114	114	114
6,454,120	9,735	27,540	Worker VMT	18,153	18,153	18,153	18,153	18,153	18,153	18,153	18,153	18,153	18,153	18,153	18,153	18,153	18,153	18,153	18,153	18,153	18,153	18,153	20,065	20,065	20,065	20,065
800,720	1,208	3,838	Trucks VMT	1,971	1,971	1,971	1,971	1,971	1,971	1,971	1,971	1,971	1,971	1,971	1,971	1,971	1,971	1,971	1,971	1,971	1,971	1,971	1,977	1,977	1,977	1,977
7,254,840	10,943	30,858	All VMT	20,125	20,125	20,125	20,125	20,125	20,125	20,125	20,125	20,125	20,125	20,125	20,125	20,125	20,125	20,125	20,125	20,125	20,125	20,125	22,042	22,042	22,042	22,042

Table 51: Daily Workforce and Traffic

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Table 51: Daily Workforce and Traffic

Total	Average	Max	Type	11/13/2027	11/14/2027	11/15/2027	11/16/2027	11/17/2027	11/18/2027	11/19/2027	11/20/2027	11/21/2027	11/22/2027	11/23/2027	11/24/2027	11/25/2027	11/26/2027	11/27/2027	11/28/2027	11/29/2027	11/30/2027	12/1/2027	12/2/2027	12/3/2027	12/4/2027	12/5/2027
N/A	74	203	Workforce	161	161	161	161	161	161	161	136	136	136	136	136	136	136	136	136	136	136	66	66	66	66	66
N/A	87	240	Round Trips - Worker	190	190	190	190	190	190	190	158	158	158	158	158	158	158	158	158	158	158	88	88	88	88	88
N/A	13	38	Round Trips - Trucks	16	16	16	16	16	16	16	14	14	14	14	14	14	14	14	14	14	14	5	5	5	5	5
N/A	46	90	Substation Round Trips - Worker	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
N/A	7	28	Substation Round Trips - Trucks	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
N/A	42	169	Transmission Round Trips - Worker	134	134	134	134	134	134	134	102	102	102	102	102	102	102	102	102	102	102	32	32	32	32	32
N/A	6	30	Transmission Round Trips - Trucks	13	13	13	13	13	13	13	10	10	10	10	10	10	10	10	10	10	10	1	1	1	1	1
N/A	99	273	Round Trips - All	206	206	206	206	206	206	206	171	171	171	171	171	171	171	171	171	171	171	92	92	92	92	92
N/A	52	100	Substation - All	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73
N/A	47	194	Transmission - All	147	147	147	147	147	147	147	112	112	112	112	112	112	112	112	112	112	112	33	33	33	33	33
6,454,120	9,735	27,540	Worker VMT	21,905	21,905	21,905	21,905	21,905	21,905	21,905	18,160	18,160	18,160	18,160	18,160	18,160	18,160	18,160	18,160	18,160	18,160	9,760	9,760	9,760	9,760	9,760
800,720	1,208	3,838	Trucks VMT	1,577	1,577	1,577	1,577	1,577	1,577	1,577	1,305	1,305	1,305	1,305	1,305	1,305	1,305	1,305	1,305	1,305	1,305	425	425	425	425	425
7,254,840	10,943	30,858	All VMT	23,482	23,482	23,482	23,482	23,482	23,482	23,482	19,465	19,465	19,465	19,465	19,465	19,465	19,465	19,465	19,465	19,465	19,465	10,185	10,185	10,185	10,185	10,185

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Table 51: Daily Workforce and Traffic

Total	Average	Max	Type	12/29/2027	12/30/2027	12/31/2027	1/1/2028	1/2/2028	1/3/2028	1/4/2028	1/5/2028	1/6/2028	1/7/2028	1/8/2028	1/9/2028	1/10/2028	1/11/2028	1/12/2028	1/13/2028	1/14/2028	1/15/2028	1/16/2028	1/17/2028	1/18/2028	1/19/2028	1/20/2028
N/A	74	203	Workforce	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	96
N/A	87	240	Round Trips - Worker	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	126	126
N/A	13	38	Round Trips - Trucks	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6
N/A	46	90	Substation Round Trips - Worker	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
N/A	7	28	Substation Round Trips - Trucks	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
N/A	42	169	Transmission Round Trips - Worker	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	70	70
N/A	6	30	Transmission Round Trips - Trucks	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2
N/A	99	273	Round Trips - All	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	131	131	131
N/A	52	100	Substation - All	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73
N/A	47	194	Transmission - All	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	72	72	72
6,454,120	9,735	27,540	Worker VMT	9,760	9,760	9,760	9,760	9,760	9,760	9,760	9,760	9,760	9,760	9,760	9,760	9,760	9,760	9,760	9,760	9,760	9,760	9,760	9,760	14,160	14,160	14,160
800,720	1,208	3,838	Trucks VMT	425	425	425	425	425	425	425	425	425	425	425	425	425	425	425	425	425	425	425	425	545	545	545
7,254,840	10,943	30,858	All VMT	10,185	10,185	10,185	10,185	10,185	10,185	10,185	10,185	10,185	10,185	10,185	10,185	10,185	10,185	10,185	10,185	10,185	10,185	10,185	10,185	14,705	14,705	14,705

Table 51: Daily Workforce and Traffic

Total	Average	Max	Type	2/13/2028	2/14/2028	2/15/2028	2/16/2028	2/17/2028	2/18/2028	2/19/2028	2/20/2028	2/21/2028	2/22/2028	2/23/2028	2/24/2028	2/25/2028	2/26/2028	2/27/2028	2/28/2028	2/29/2028	3/1/2028	3/2/2028	3/3/2028	3/4/2028	3/5/2028	3/6/2028
N/A	74	203	Workforce	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	48	48	48	48	48	
N/A	87	240	Round Trips - Worker	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	70	70	70	70	70	
N/A	13	38	Round Trips - Trucks	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	7	7	7	7	7	
N/A	46	90	Substation Round Trips - Worker	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	
N/A	7	28	Substation Round Trips - Trucks	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
N/A	42	169	Transmission Round Trips - Worker	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	52	52	52	52	52	
N/A	6	30	Transmission Round Trips - Trucks	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	5	5	5	5	5	
N/A	99	273	Round Trips - All	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	76	76	76	76	76	
N/A	52	100	Substation - All	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	
N/A	47	194	Transmission - All	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	57	57	57	57	57	
6,454,120	9,735	27,540	Worker VMT	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	7,600	7,600	7,600	7,600	7,600	
800,720	1,208	3,838	Trucks VMT	705	705	705	705	705	705	705	705	705	705	705	705	705	705	705	705	705	585	585	585	585	585	
7,254,840	10,943	30,858	All VMT	12,705	12,705	12,705	12,705	12,705	12,705	12,705	12,705	12,705	12,705	12,705	12,705	12,705	12,705	12,705	12,705	12,705	8,185	8,185	8,185	8,185	8,185	

Table 51: Daily Workforce and Traffic

Total	Average	Max	Type	5/15/2028	5/16/2028	5/17/2028	5/18/2028	5/19/2028	5/20/2028	5/21/2028	5/22/2028	5/23/2028	5/24/2028	5/25/2028	5/26/2028	5/27/2028	5/28/2028	5/29/2028	5/30/2028	5/31/2028	6/1/2028	6/2/2028	6/3/2028	6/4/2028	6/5/2028	6/6/2028
N/A	74	203	Workforce	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	36	12	12	12	12	12
N/A	87	240	Round Trips - Worker	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	52	20	20	20	20	20
N/A	13	38	Round Trips - Trucks	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	5	4	4	4	4	4
N/A	46	90	Substation Round Trips - Worker	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	20	20	20	20	20
N/A	7	28	Substation Round Trips - Trucks	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	4	4	4	4	4
N/A	42	169	Transmission Round Trips - Worker	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	20	20	20	20	20
N/A	6	30	Transmission Round Trips - Trucks	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	4	4	4	4	4
N/A	99	273	Round Trips - All	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	57	24	24	24	24	24
N/A	52	100	Substation - All	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	24	24	24	24	24
N/A	47	194	Transmission - All	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	24	24	24	24	24
6,454,120	9,735	27,540	Worker VMT	7,600	7,600	7,600	7,600	7,600	7,600	7,600	7,600	7,600	7,600	7,600	7,600	7,600	7,600	7,600	7,600	7,600	5,600	2,080	2,080	2,080	2,080	2,080
800,720	1,208	3,838	Trucks VMT	585	585	585	585	585	585	585	585	585	585	585	585	585	585	585	585	585	400	320	320	320	320	320
7,254,840	10,943	30,858	All VMT	8,185	8,185	8,185	8,185	8,185	8,185	8,185	8,185	8,185	8,185	8,185	8,185	8,185	8,185	8,185	8,185	8,185	6,000	2,400	2,400	2,400	2,400	2,400

Table 51: Daily Workforce and Traffic

[illegible]

