

PACIFIC GAS AND ELECTRIC COMPANY
Wildfire Mitigation Plans Discovery 2023-2025
Data Response

PG&E Data Request No.:	CalAdvocates_038-Q002		
PG&E File Name:	WMP-Discovery2023-2025_DR_CalAdvocates_038-Q002		
Request Date:	March 20, 2024	Requester DR No.:	CalAdvocates-PGE-2025WMP-02
Date Sent:	April 19, 2024	Requesting Party:	Public Advocates Office
PG&E Witness:		Requester:	Holly Wehrman

Please note that, for this data request, the geographical regions are mutually exclusive (i.e., “Other HFTD” excludes areas that are in either Tier 2 or Tier 3). Therefore, for any given circuit, the following relationships should hold:

- Tier 2 miles + Tier 3 miles + Other HFTD miles = total HFTD miles.
- Tier 2 miles + Tier 3 miles + Other HFTD miles + non-HFTD miles = total circuit miles.

QUESTION 002

Provide an Excel table of all transmission circuits existing as of January 1, 2024 (as rows) that includes the following information in separate columns:

- a) Circuit name
- b) Circuit ID number
- c) Total circuit miles
- d) Circuit miles in Non-HFTD
- e) Circuit miles in Other HFTD
- f) Circuit miles in HFTD Tier 2
- g) Circuit miles in HFTD Tier 3
- h) Circuit voltage
- i) Total customer-minutes of de-energization on the circuit due to PSPS events in 2023 (sum of customer-minutes across all PSPS events)
- j) Total customer-minutes of de-energization on the circuit due to fast-trip settings in 2023
- k) Number of support structures replaced in Non-HFTD in 2023
- l) Number of support structures replaced in Other HFTD in 2023
- m) Number of support structures replaced in HFTD Tier 2 in 2023
- n) Number of support structures replaced in HFTD Tier 3 in 2023
- o) Miles of LiDAR inspection in Non-HFTD in 2023
- p) Miles of LiDAR inspection in Other HFTD in 2023

- q) Miles of LiDAR inspection in HFTD Tier 2 in 2023
- r) Miles of LiDAR inspection in HFTD Tier 3 in 2023
- s) Number or miles of detailed aerial inspections in Non-HFTD in 2023 (specify units)
- t) Number or miles of detailed aerial inspections in Other HFTD in 2023 (specify units)
- u) Number or miles of detailed aerial inspections in HFTD Tier 2 in 2023 (specify units)
- v) Number or miles of detailed aerial inspections in HFTD Tier 3 in 2023 (specify units)
- w) Number of detailed climbing inspections in Non-HFTD in 2023
- x) Number of detailed climbing inspections in Other HFTD in 2023
- y) Number of detailed climbing inspections in HFTD Tier 2 in 2023
- z) Number of detailed climbing inspections in HFTD Tier 3 in 2023
- aa) Number of detailed ground-based inspections in Non-HFTD in 2023
- bb) Number of detailed ground-based inspections in Other HFTD in 2023
- cc) Number of detailed ground-based inspections in HFTD Tier 2 in 2023
- dd) Number of detailed ground-based inspections in HFTD Tier 3 in 2023
- ee) Number of sectionalization devices installed in Non-HFTD in 2023
- ff) Number of sectionalization devices installed in Other HFTD in 2023
- gg) Number of sectionalization devices installed in HFTD Tier 2 in 2023
- hh) Number of sectionalization devices installed in HFTD Tier 3 in 2023.

ANSWER 002

PG&E is providing the requested transmission information at the circuit level in attachment "WMP-Discovery2023-2025_DR_CalAdvocates_038-Q01Atdh01.xlsx." Included in the table below are notes that document assumptions in the methodology for data collection. Where we have not included any notes, the data provided did not require adaptations or assumptions in answering the request. For purposes of this request, "Other HFTD" refers to Zone 1 areas.

Asset data provided in response to this request was generated from PG&E's Geographic Information Systems (GIS) and presented in a spreadsheet format. PG&E's Electric Transmission GIS and Electric Distribution GIS mapping systems represent assets associated with construction work when that work has been received and mapped by electric GIS mapping technicians. Construction jobs that are partially complete or fully complete may be mapped in the GIS systems once construction "as-built" information has been submitted and accepted by the GIS Mapping Department. Prior to being received by the GIS Mapping Department, completed job packages must undergo several processing steps including clerical review, processing, and paperwork scanning. Sometimes completed job packages require additional information from the field or post-estimating work. The processing steps take time to complete. Until a project is completed and mapped, detailed information remains in the design systems

and paper job packages. Therefore, completed field work is not always reflected in the current GIS systems.

Once data is mapped in PG&E's GIS systems, it can be formatted to meet the requirements of the Office of Energy Infrastructure Safety (Energy Safety) File Geodatabase schema and included in our GIS Data Standard submissions.

Data	Question	Notes
Circuit Information	a-h	Some circuits can have multiple voltages. Where this occurs, the Circuit Voltage in column g reflects the voltage of the majority of the circuit (based on circuit miles).
De-Energization - PSPS	i	<p>As previously stated in our PSPS Post Event De-Energization reports submitted to the CPUC: "The information, times and figures referenced in this report are based on the best available information available at the time of this report's submission. The information, times and figures herein are subject to revision based on further analysis and validation." As such, we note that there are some minor updated revisions in the data included in this submission, as compared to the data that may have been previously reported in previous submissions immediately following the events, due to further data reconciliation and analysis having been performed in the time which has elapsed between this report and any other previous submissions.</p> <p>In some circumstances, PG&E may conclude a PSPS event before all customers are restored. For example, when there is an ongoing fire that prohibits PG&E from restoring customers or extensive weather-related damages that require extended outages while crews safely repair the area. The outage durations for these customers are not included in Questions 1o-p and Questions 2i-j, as we do not have restoration dates and times for those customers. For information on which circuits were not restored prior to concluding the PSPS, please see the "Time, Place, Duration, and Affected Customers" appendix section of the PSPS Post-Event Reports.</p> <p>Please note that the sum of PSPS customer outage durations is rounded up to the whole minute for each circuit to be consistent with data included in past data responses.</p> <p>This data request response will reference all outages associated with a PSPS event, including those which are either indirect effects of the PSPS event and are not direct de-energizations, or brief outages occurring as a result of microgrid</p>

Data	Question	Notes
		switching, or temporary generation used as part of PSPS mitigation solution. Most switching in a PSPS event to re-energize customers takes place, typically, between five minutes and one hour, and that re-energization occurring within four hours of de-energization or outages less than four hours, typically, can likely be attributed to switching.
De-Energization – EPSS	j	Please note that this data only shows distribution customer outage minutes resulting from outages that occurred on transmission circuits while EPSS fast-trip settings were enabled.
Number of Support Structures Replaced	k-n	Data includes poles and towers. Poles were matched to a circuit by GIS radius of 15 feet.
LiDAR inspection	o-r	<p>LiDAR is a supplemental source of data to support various lines of business including vegetation management, mapping, engineering, and inspections. Please note that the provided LiDAR data is associated only with PG&E's work on above-ground electric assets.</p> <p>Please note that some miles flown were performed on circuits that were subsequently removed from our system. Those inspections are not included here.</p>
Number of detailed aerial inspections	s-v	Please note that some inspections were performed on circuits are no longer in our system. Those inspections are not included here.
Number of detailed climbing inspections	w-z	Please note that some inspections were performed on circuits are no longer in our system. Those inspections are not included here.
Number of detailed ground inspections	aa-dd	Please note that some inspections were performed on circuits are no longer in our system. Those inspections are not included here.
Sectionalization Devices	ee-hh	Sectionalization devices include remotely operable SCADA sectionalizing devices and manually operated sectionalizing devices (i.e., reclosers, not fuses).