

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

PG&E Data Request No.:	CalAdvocates_026-Q009		
PG&E File Name:	WMP-Discovery2023_DR_CalAdvocates_026-Q009Supp01		
Request Date:	July 27, 2023	Requester DR No.:	No. CalAdvocates-PGE-2023WMP-26
Date Sent:	August 17, 2023 Supp01: August 24, 2023	Requesting Party:	Public Advocates Office
PG&E Witness:		Requester:	Holly Wehrman

QUESTION 009

Provide a list of all circuits in your system. For each circuit, provide:

- a) Circuit ID Number
- b) Peak load in Amperes observed since January 1, 2014.
- c) Circuit Capacity in Amperes

ANSWER 009 SUPPLEMENTAL 01

In this response, PG&E provides the requested data for the PG&E owned active transmission circuits in our system that are calculated from telemetry and included in Energy Management System (EMS). Please note, we did not include information that did not match between PG&E's GIS system and the CAISO Transmission Register because the GIS system information included some distribution, idle, inactive, or removed lines.

Please see "*WMP-Discovery2023_DR_CalAdvocates_026-Q009Supp01Atch01.xlsx*" for a list of transmission circuits (subpart (a)), 2022 peak load (subpart (b)), and their capacity (subpart (c)).

Where available, we selected the highest telemetered peak value for all line segments and all phases of each segment. Where telemetered values were not available, the calculated readings were selected with the highest reading in the same manner. Please note, peak loads prior to 2022 are, in many instances, no longer relevant because circuit reconfigurations have occurred. In other words, the set of customers presently served by the circuit may not be the same set of customers served by the circuit in previous years. Additionally, blanks in the data set indicate the circuit could not be matched to EMS or an associated device to pull an Amp reading.

All rated circuits have at least four rating types that represent Summer Normal (SN), Summer Emergency (SE), Winter Normal (WN), and Winter Emergency (WE) ratings. In cases where peak loading exceeds normal ampacity, it is likely that an emergency condition was present.

Please see below for the definitions of rating type terms:

- Normal Ampacity: The allowable continuous load that can be carried under normal conductor operating temperature.
- Emergency Ampacity: Maximum load permitted for short duration in emergencies resulting from the outage of other facilities. Emergency loading is limited to four hours per day and should not exceed a total time of 100 hours in one year.

PG&E also notes that we do not maintain the data provided in this response in the format presented in “*WMP-Discovery2023_DR_CalAdvocates_026-Q009Supp01Atch01.xlsx*” during the normal course of business. It was cross-referenced manually in response to Energy Safety’s request.

ANSWER 009

The attachment to this response contains confidential material and is provided pursuant to the accompanying confidentiality declaration.

In this response, PG&E provides the requested data for the distribution circuits in our system. As agreed to, we plan to supplement this response with available data for the transmission circuits by Thursday, August 24, 2023.

Please see “*WMP-Discovery2023_DR_CalAdvocates_026-Q009Atch01CONF.xlsx*” for list of distribution circuits (subpart (a)), 2022 peak load (subpart (b)), and their capacity (subpart (c)). The list of circuits includes only those circuit included in the distribution planning process. Single-customer circuits, tie cables, and idle circuits are not included. The 2022 data was obtained from SCADA instrumentation at distribution substation meters as part of the annual load forecast process. This data was cleaned by Distribution Engineers to exclude switching anomalies and interpolated and supplemented with AMI data when SCADA data was not present. Please note, peak loads prior to 2022 are, in many instances, no longer relevant because circuit reconfigurations have occurred. In other words, the set of customers presently served by the circuit may not be the same set of customers served by the circuit in previous years. Please note, confidential load data that could reveal individual customer loading is indicated in grey.

Please note, we do not model the secondary system nor record secondary distribution loading.