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

PG&E Data Request No.:	CalAdvocates_003-Q002		
PG&E File Name:	WMP-Discovery2023_DR_CalAdvocates_003-Q002		
Request Date:	February 7, 2023	Requester DR No.:	CalAdvocates-PGE-2023WMP-03
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DRU Index #:	DRU11413	Requester:	Holly Wehrman

QUESTION 002

Provide an Excel table of all transmission circuits existing as of January 1, 2023 (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 Areas
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 2021 (sum of customer-minutes across all PSPS events).
j. Total customer-minutes of de-energization on the circuit due to PSPS events in 2022 (sum of customer-minutes across all PSPS events).
k. Total customer-minutes of de-energization on the circuit due to fast-trip settings in 2021.
l. Total customer-minutes of de-energization on the circuit due to fast-trip settings in 2022.
m. Number of support structures replaced in Non-HFTD in 2021
n. Number of support structures replaced in Non-HFTD in 2022
o. Number of support structures replaced in Other HFTD in 2021
p. Number of support structures replaced in Other HFTD in 2022
q. Number of support structures replaced in HFTD Tier 2 in 2021
r. Number of support structures replaced in HFTD Tier 2 in 2022
s. Number of support structures replaced in HFTD Tier 3 in 2021
t. Number of support structures replaced in HFTD Tier 3 in 2022

u. Miles of LiDAR inspection in Non-HFTD in 2021
v. Miles of LiDAR inspection in Non-HFTD in 2022
w. Miles of LiDAR inspection in Other HFTD in 2021
x. Miles of LiDAR inspection in Other HFTD in 2022
y. Miles of LiDAR inspection in HFTD Tier 2 in 2021
z. Miles of LiDAR inspection in HFTD Tier 2 in 2022
aa. Miles of LiDAR inspection in HFTD Tier 3 in 2021
bb. Miles of LiDAR inspection in HFTD Tier 3 in 2022
cc. Number of detailed aerial inspections in Non-HFTD in 2021
dd. Number of detailed aerial inspections in Non-HFTD in 2022
ee. Number of detailed aerial inspections in Other HFTD in 2021
ff. Number of detailed aerial inspections in Other HFTD in 2022
gg. Number of detailed aerial inspections in HFTD Tier 2 in 2021
hh. Number of detailed aerial inspections in HFTD Tier 2 in 2022
ii. Number of detailed aerial inspections in HFTD Tier 3 in 2021
jj. Number of detailed aerial inspections in HFTD Tier 3 in 2022
kk. Number of detailed climbing inspections in Non-HFTD in 2021
ll. Number of detailed climbing inspections in Non-HFTD in 2022
mm. Number of detailed climbing inspections in Other HFTD in 2021
nn. Number of detailed climbing inspections in Other HFTD in 2022
oo. Number of detailed climbing inspections in HFTD Tier 2 in 2021
pp. Number of detailed climbing inspections in HFTD Tier 2 in 2022
qq. Number of detailed climbing inspections in HFTD Tier 3 in 2021
rr. Number of detailed climbing inspections in HFTD Tier 3 in 2022
ss. Number of detailed ground inspections in Non-HFTD in 2021
tt. Number of detailed ground inspections in Non-HFTD in 2022
uu. Number of detailed ground inspections in Other HFTD in 2021
vv. Number of detailed ground inspections in Other HFTD in 2022
ww. Number of detailed ground inspections in HFTD Tier 2 in 2021
xx. Number of detailed ground inspections in HFTD Tier 2 in 2022
yy. Number of detailed ground inspections in HFTD Tier 3 in 2021
zz. Number of detailed ground inspections in HFTD Tier 3 in 2022
aaa. Number of sectionalization devices installed in Non-HFTD in 2021
bbb. Number of sectionalization devices installed in Non-HFTD in 2022

ccc. Number of sectionalization devices installed in Other HFTD in 2021

ddd. Number of sectionalization devices installed in Other HFTD in 2022

eee. Number of sectionalization devices installed in HFTD Tier 2 in 2021

fff. Number of sectionalization devices installed in HFTD Tier 2 in 2022

ggg. Number of sectionalization devices installed in HFTD Tier 3 in 2021

hhh. Number of sectionalization devices installed in HFTD Tier 3 in 2022

iii. Miles of transmission ROW expansion performed in Non-HFTD in 2021

jjj. Miles of transmission ROW expansion performed in Non-HFTD in 2022

kkk. Miles of transmission ROW expansion performed in Other HFTD in 2021

lll. Miles of transmission ROW expansion performed in Other HFTD in 2022

mmm. Miles of transmission ROW expansion performed in HFTD Tier 2 in 2021

nnn. Miles of transmission ROW expansion performed in HFTD Tier 2 in 2022

ooo. Miles of transmission ROW expansion performed in HFTD Tier 3 in 2021

ppp. Miles of transmission ROW expansion performed in HFTD Tier 3 in 2022

ANSWER 002

PG&E is providing the requested transmission information at the circuit level in the attachment named "WMP-Discovery2023_DR_CalAdvocates_003-Q001Atch01.xlxs." 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	i-l	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. In some circumstances, PG&E may conclude a PSPS 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 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. Note 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. This data request 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 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.
Number of Support Structures Replaced	m-t	Data includes poles and towers. Poles were matched to a circuit by GIS radius of 15 feet.
LiDAR inspection	u-bb	

Data	Question	Notes
Number of detailed aerial inspections	cc-jj	
Number of detailed climbing inspections	kk-rr	
Number of detailed ground inspections	tt-zz	
Sectionalization Devices	aaa-zzz	Sectionalization devices include remotely operable SCADA sectionalizing devices and manually operated sectionalizing devices; ie reclosers not fuses.
Transmission ROW Expansion	iii-ppp	PG&E does have an ongoing Transmission ROW Expansion program that is focused on reliability that was initiated in 2017. That program continued in 2022, but is not directly related to wildfire mitigation. However, to the extent ROWs are being expanded, there will be incremental wildfire mitigation benefits resulting from decreased vegetation around our transmission lines.