

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

PG&E Data Request No.:	SPD_024-Q008
PG&E File Name:	WMP-Discovery2023-2025_DR_SPD_024-Q008
Request Date:	January 9, 2025
Requester DR No.:	SPD_WSPS_PG&E_2025_001
Requesting Party:	Safety Policy Division
Requester:	Henry Sweat
Date Sent:	January 23, 2025

QUESTION 008

Provide GIS maps that show the underground lines which include the installation date of the underground lines.

- a. Provide a list of segments of underground lines which have been de-energized during PSPS events since 2017, with the date each segment was de-energized. Include underground circuit segments which were de-energized by an outage on an upstream circuit segment, which lead to an outage of the underground circuit segment.
- b. Provide a list of segments of underground lines since 2021 which were de-energized during an outage when EPSS was enabled with the relevant outage id. Include underground circuit segments which were de-energized by an outage on an upstream circuit segment, which lead to an outage of the underground circuit segment.

ANSWER 008

PG&E interprets the request for “GIS maps” as seeking geospatial data. Please see the following attachments for data on PG&E’s primary underground lines as of January 16, 2024. The lines were selected by querying our Electric Distribution GIS (EDGIS) system of record where the primary line’s Install Code attribute is underground.

- “WMP-Discovery2023-2025_DR_SPD_024-Q008Atch01CONF.gdb.zip” – a geodatabase containing line features representing distribution primary underground lines.
- “WMP-Discovery2023-2025_DR_SPD_024-Q008Atch02CONF.xlsx” – a tabular list of the lines contained in the accompanying geodatabase.

Both files contain the following fields/attributes:

- Circuit ID;
- Circuit Name;
- Status – indicates if the line is ‘In Service’ or ‘Idle’;

- Install Year – where available, the year that the line was installed;
 - Customer Owned – where available, indicates the ownership of the line;
 - Global ID – the record’s unique identifier that correlates to the line feature in the accompanying geodatabase.
- a. Please see attachment “*WMP-Discovery2023-2025_DR_SPD_024-Q008Atch03.xlsx*”, (‘8a-PSPS’ worksheet), for a list of PSPS outages that involved circuit segments that contain undergrounded lines. Circuit segments with undergrounded lines may only limit PSPS impacts if the entire circuit is undergrounded upstream to the substation. Note the following regarding the data:
- Circuit segments are reported in this response because they contain at least a portion of distribution underground infrastructure.
 - The PSPS system of record captures outages at the service point and transformer level, which is then mapped to a circuit segment.
 - The PSPS system of record does not capture the type of line (overhead vs underground) of the circuit segment at the time of the outage. Therefore, the PSPS system of record has been compared to System Hardening and Undergrounding records to determine if a circuit segment contained distribution underground infrastructure at the time of the outage.
 - This approach does not account for undergrounding work under Rule 20A, 20B, or 20C, and does not account for pre-existing underground lines prior to the inception of the System Hardening and Undergrounding programs.
 - PG&E is currently conducting a more comprehensive analysis that will include results for all underground lines. This updated list will be submitted to SPD as a supplemental response to this data request.
 - Some PSPS outages do not have an attributed circuit segment. These records were not included in the comparison described above.
 - The data includes circuit segments that were de-energized because an upstream circuit segment was de-energized.
- b. Please see attachment “*WMP-Discovery2023-2025_DR_SPD_024-Q008Atch03.xlsx*” (‘8b-EPSS’ worksheet) for a list of EPSS outages that involved circuit segments that contain undergrounded lines. Note the following regarding the data:
- Circuit segments are reported in this response because they contain at least a portion of distribution underground infrastructure.
 - The EPSS system of record does not capture the type of line (overhead vs underground) of the circuit segment at the time of the outage. Therefore, the EPSS system of record has been compared to System Hardening and Undergrounding records to determine if a circuit segment contained distribution underground infrastructure at the time of the outage.
 - This approach does not account for undergrounding work under Rule 20A, 20B, or 20C, and does not account for pre-existing underground

lines prior to the inception of the System Hardening and Undergrounding programs.

- PG&E is currently conducting a more comprehensive analysis that will include results for all underground lines. This updated list will be submitted to SPD as a supplemental response to this data request.
- The data does not include circuit segments that were de-energized because an upstream circuit segment was de-energized.