

**PACIFIC GAS AND ELECTRIC COMPANY**  
**Wildfire Mitigations Plans Discovery 2026-2028**  
**Data Response**

<b>PG&amp;E Data Request No.:</b>	SPD_004-Q026Supp01
<b>PG&amp;E File Name:</b>	WMP-Discovery2026-2028_DR_SPD_004-Q026Supp01
<b>Request Date:</b>	May 1, 2025
<b>Requester DR No.:</b>	CONF-SPD-PGE-WMP2026-004
<b>Requesting Party:</b>	Safety Policy Division
<b>Requester:</b>	Edwin Schmitt
<b>Date Sent:</b>	May 6, 2025

**SUBJECT: MITIGATION COST EFFICIENCY ASSESSMENT (SPD-PGE-WMP2026-004)**

**QUESTION 026**

What steps has PG&E taken to archive any data or models related to WDRM v3?

- a. Have any aspects of WDRM v3 not been archived? If so, explain why they were not archived.
  - i. If any aspects of WDRM v3 were not archived, would this prevent a party from asking for data analysis using WDRM v3 in the future?
- b. How long will PG&E maintain its archive of the data or models related to WDRM v3?
- c. What data is PG&E maintaining of its previous asset data? What data would be missing if PG&E wanted to backcast the risk in pre-2023 years using WDRM v4? How is PG&E working to ensure that future models have the data necessary to backcast the risk to current system configurations?

**ANSWER 026 SUPPLEMENTAL 001**

- c. What data is PG&E maintaining of its previous asset data?

Asset history is not currently tracked in PG&E's GIS database. Historical asset data can be accessed through annually archived GIS database backups. Note that historical backups don't include future data quality improvements.

As detailed for WDRM v3 for subparts (a) and (b), WDRM v4 source data, model code, and output data has been archived indefinitely. In addition, GIS configuration data going forward from January 1, 2023 only, has been snapshotted and archived monthly.

What data would be missing if PG&E wanted to backcast the risk in pre-2023 years using WDRM v4?

PG&E is assuming 'backcast the risk' means taking a version of the WDRM aligned around a specific configuration of the system (e.g. Jan 1, 2023 for WDRM v4) and re-aggregating the risk to a configuration of the system representing a prior date.

Primarily, the assignment of asset model risk to circuit segments would be missing prior to Jan 1, 2023. Additionally, there would be other missing data when backcasting to a previous circuit segment configuration. The distribution system is continuously changing; circuit segments are reconfigured, added, and deleted, GIS location data errors are corrected, equipment assets are replaced, etc. All these accumulated changes will result in a mismatch with grid configuration data from the January 1, 2023 snapshot used to generate WDRM v4. The further a backcast date is from the original snapshot, the more severe the mismatches will become. For each mismatch, the likelihood that the WDRM v4 would be unable to produce a risk value for a given asset or location increase. In turn, the aggregated risk value for any given circuit segment would likely be underreported, as any missing asset/pixel risk values would be assumed to be zero.

How is PG&E working to ensure that future models have the data necessary to backcast the risk to current system configurations?

PG&E is archiving monthly snapshots of data related to WDRM v4 to enable re-creating historical configurations of the system. However, many of the issues mentioned previously around the risk data becoming stale over time will still be true, even when a historical configuration can be created. Additionally, it's challenging to foresee what data would be required in a future model release to initiate historical archival of the data.