

PACIFIC GAS AND ELECTRIC COMPANY
Wildfire Mitigation Plans
Rulemaking 18-10-007
Data Response

PG&E Data Request No.:	WSD_007-Q01		
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PG&E Witness:		Requester:	Ryan Arba

QUESTION 01

Explain your company's grid infrastructure rebuild standards (e.g., under-grounding, covered conductor, etc.) utilized for post-fire repairs and replacements.

ANSWER 01

PG&E's fire rebuild strategy is described on pages 555-556 of the 2021 Wildfire Mitigation Plan (WMP). We are providing that information below and including where applicable the standards that we use for specific rebuild options.

1. **Removal** – Radial tap lines that are identified as Idle Facilities or circuit back-ties that are not required by our design standards for operational flexibility.
2. **Remote Grid / Customer Buy Out** – Isolated customer or small group of customers in Tier 2/3 High Fire Threat District (HFTD) areas fed by >0.5 miles of express distribution line that, if removed, could be served remotely through temporary generation until remote assets are installed.
3. **Underground** – Distribution (mostly express) primary conductor in an accessible area with adequate space and rights to facilitate underground infrastructure. We will ask critical questions like are Gas, or Telecoms interested in participating in the trench? Temporary generation would be required to support immediate customer restoration while the planning project progresses. The Electric Underground Construction Manual (TD-2502M) is the standard followed for this work.
4. **Overhead Harden in Place** – Primary distribution overhead conductor in Tier 2/3 HFTD areas where >4 spans require full reconstruction or large sections of intermittent damage where reconstruction is recommended. Often mainline or major customer lines that cannot be effectively generated or switched serve large sections of customers/critical facilities. The Electric Overhead Construction Manual (TD-2501M) is the standard followed for this work, and it is enhanced by the Fire Rebuild Design Guidance for System Hardening Bulletin (TD-9001B).
5. **Restore in place (Non-Hardened)** when intermittent damage is found without significant rebuild required. The Electric Overhead Construction Manual (TD-2501M) is the standard followed for this work.

We may pursue some combination of all the above depending on the circumstances for a given circuit.