

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

|                        |   |                   |                             |
|------------------------|---|-------------------|-----------------------------|
| PG&E Data Request No.: | CalAdvocates_043-Q05                            |                   |                             |
| PG&E File Name:        | WildfireMitigationPlans_DR_CalAdvocates_043-Q05 |                   |                             |
| Request Date:          | February 25, 2021                               | Requester DR No.: | CalAdvocates-PGE-2021WMP-09 |
| Date Sent:             | March 2, 2021                                   | Requesting Party: | Public Advocates Office     |
| PG&E Witness:          |   | Requester:        | Alan Wehrman                |

**SUBJECT: ASSET INSPECTIONS**

The following questions related to PG&E's 2021 Wildfire Mitigation Plan (WMP) Update.

**QUESTION 05**

The news article ABC10 Investigation: PG&E knew old power line parts had 'severe wear' months before deadly Camp Fire<sup>1</sup> (attached for reference) discusses six hanger plates on transmission towers. The article states that, according to TD-1001M, PG&E's "Electric Transmission Preventive Maintenance Manual," a Priority A tag would be opened if these components were found to have worn to more than 50% material loss.

- a. Do PG&E's procedures for detailed inspections of electric transmission lines and equipment (discussed in section 7.3.4.2 of PG&E's 2021 WMP) specifically direct inspectors to examine hanger plates for wear?
- b. Please describe any changes PG&E has made to its transmission tower inspection program since 2018 to ensure all hanger plates are in serviceable condition per TD-1001M.

**ANSWER 05**

- a. Yes, per TD-1001M revision 5, PG&E's "Electric Transmission Preventive Maintenance Manual", priority tags are assigned to hanger plates based on the following table:

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<sup>1</sup> <https://www.abc10.com/article/news/local/wildfire/run-to-failure-what-pge-knew-and-when/103-e4654585-1036-47bb-9078-137893ac242d>.

| Component <sup>1</sup>  | Priority Code   |   |  |                 |                        |
|---|---|---|--|-----------------|------------------------|
|   | A (Immediate)   | B (3 months)  | E (12 months)                          |                 | F (24 months)          |
| <b>Hardware (HRDS) (HRDT) (HRDD)</b><br><br>Bolts, J-Bolts, U-Bolts, links, clamps, hot-end or cold-end hardware, shoe assembly, shackles, cotter key/pin, turnbuckle<br><br><b>Hanger Plates</b> | Rust >50% material loss<br><br>Worn >50% material loss<br>Cracked >50%<br><br>Contaminated (arcing)<br><br>Cotter key missing AND retainer pin not fully seated<br><br>< ¼" material remaining on plate <sup>10</sup> | Cracked 30 - 50%<br><br>Rust 30 - 50% material loss<br><br>Worn 30 - 50% material loss<br><br>Missing hardware (if necessary, send to engineering for evaluation)<br><br>Missing or loose cotter key<br><br>¼" – ½" material remaining on plate | Loose<br><br>Turnbuckle out of threads | Cracked 5 - 30% | Turnbuckle not punched |

- b. In August 2020, PG&E changed the prioritization of worn hanger plates to indicate that 30%-50% wear should be classified as a priority B rather than an E.

November 20, 2018 TD1001M Revision 4:

| Component  | Priority Code   |   |  |                  |                         |
|--|---|---|--|------------------|-------------------------|
|  | A<br>(Immediate)  | B<br>(3 months)   | E<br>(12 months)   |                  | F<br>(24 months)        |
| <b>Insulator</b><br><b>Insulator-Steel</b><br><b>Insulator-Wood</b><br>(Insulators with these conditions, see Table 7. , Flashed Cracked, Broken, Gunshot, Chipped >1½ inches) | Rust >50% material loss<br>Worn >50% material loss<br>Cracked >50%<br>Contaminated (arcing) | Cracked 33 to 50%<br>Contaminated (heavy)<br>Tracking (heavy) | Rust 30 - 50% material loss<br>Worn 30 - 50% material loss<br>Contaminated (medium)<br>Tracking (medium) | Cracked 5 to 33% | <b>No 24 month tags</b> |