

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

PG&E Data Request No.:	SPD_007-Q001		
PG&E File Name:	WMP-Discovery2023_DR_SPD_007-Q001		
Request Date:	May 18, 2023	Requester DR No.:	SPD_PG&E_2023_007
Date Sent:	May 18, 2023	Requesting Party:	Safety Policy Division
DRU Index #:		Requester:	Henry Sweat

QUESTION 001

What types of covered conductor (size of conductor, material of conductor, voltage rating of conductor – if PG&E can point to product data from a manufacturer, this would be preferred) does PG&E use and does PG&E choose different types of covered conductor types near coastal areas?

ANSWER 001

The CONFIDENTIAL attachments are being provided pursuant to the accompanying confidentiality declaration.

Please refer to Table 18 – Primary Aluminum ACSR and Copper XLPE Tree Wire (page 10 of 12) in PG&E standard 059626, “Conductors for Overhead Lines” (*WMP-Discovery2023_DR_SPD_007-Q001Atch01CONF.pdf*) for the types of covered conductor we use in the primary voltage system. We use #2 HD CU in moderate and severe corrosion areas in place of 1/0 ACSR. The larger conductor sizes (397.5 and 715.5) are all aluminum and approved for use in both corrosive and non-corrosive environments.

The PG&E primary covered tree wires are designed for nominal 21kV line-to-line and 12 kV line-to-ground operating voltage. Please refer to PG&E EMS 83, “Specification for Cross-Linked Polyethylene (XLPE) Covered Tree Wire” (*WMP-Discovery2023_DR_SPD_007-Q001Atch02CONF.pdf*). The ampacity ratings will be used to determine the conductor’s maximum allowable continuous load. Please refer to PG&E standard 076251, “Ampacity of Overhead Distribution Line Conductors” (*WMP-Discovery2023_DR_SPD_007-Q001Atch03CONF.pdf*).