



Liberty Utilities®

Liberty Utilities (CalPeco Electric) LLC
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DATA REQUEST RESPONSE

LIBERTY UTILITIES (CALPECO ELECTRIC) LLC

R.18-10-007

Wildfire Mitigation Plans Rulemaking

Data Request No.: OSA Liberty - 01

Requesting Party: OSA

Originator: Joan E. Weber

For each response, please provide the names, titles, and organization of the staff providing the information. For the topics below, please provide contact information for individual staff that OSA may contact should OSA elect to meet with staff to discuss these specific areas in greater detail.

REQUEST NO. 1:

Regarding your distribution infrastructure and your transmission infrastructure that is located within the boundaries of the Commission's High Fire-Threat District Map, what are the maximum wind speeds that these existing facilities have been designed to withstand? Please provide total circuit miles and maximum wind speed data for facilities in each of the wildfire threat designation areas (Zone 1, Tier 2, and Tier 3). How many circuit miles located within each of the three designated areas are currently designed to withstand wind gusts greater than 100 mph?

RESPONSE TO REQUEST NO. 1:

The maximum wind speeds Liberty CalPeco's facilities were designed to withstand are unknown. Liberty CalPeco took over the distribution system in 2011 and received no records on maximum wind speeds the existing circuits were designed to withstand.

REQUEST NO. 2:

How many circuit miles of distribution facilities and of transmission facilities do you own and/or operate that are located within the Commission's High Fire-Threat District Map (including all areas Zone 1, Tier 2, and Tier 3) that are more than 50 years old? How many circuit miles are more than 80 years old? For the circuits that are more than 80 years old, where are they located physically, what fire threat area are they in, and what is their circuit number and/or name?

RESPONSE TO REQUEST NO. 2:

Liberty CalPeco facility age is based on the year the pole was installed, but this does not take into account the age of any attached facilities such as transformers or conductor. The majority of that information was either never entered into GIS or not transferred by the previous owner of these facilities. When applying that definition for facility age, Liberty CalPeco has one circuit over 50 years old which is the 640 Transmission line (120Kv). The bulk of this circuit runs through Tier 3 of the HFTD map.

REQUEST NO. 3:

Do you have the ability now, or will you have the ability after your proposed mitigations are implemented, to be able to change the settings of your SCADA from one centralized control center? For instance, can you change the settings on your reclosers and de-energize your distribution circuits from one centralized location or is the architecture of your SCADA system decentralized and controls must be activated from multiple locations to be accomplished? What other types of circuit protection/isolation devices do you own that can be controlled by your SCADA system and where are those controls located?

RESPONSE TO REQUEST NO. 3:

We have both field reclosers and substation circuit breakers tied to a centrally located SCADA system.

REQUEST NO. 4:

How many circuit miles do you currently have of small conductor (#6) in your distribution system located within the designated areas of the Commission's High Fire-Threat Map? If you have small conductor located within the three designated areas (Zone 1, Tier 2, Tier 3) of the map, how many circuit miles do you have in each of the three areas and where are these circuits located?

RESPONSE TO REQUEST NO. 4:

Approximately 1-2 miles of #6 conductor is believed to be within the Topaz area. This area is within Fire Threat Zone Tier 2.

REQUEST NO. 5:

How many circuit miles, if any, do you currently have of primary voltage facilities that are configured with a three-wire system, which doesn't include a neutral wire, in your distribution network and are located within the designated areas shown on the Commission's High Fire-Threat Map? Where are these facilities located?

RESPONSE TO REQUEST NO. 5:

The vast majority of the distribution network for Liberty CalPeco is a three wire system without a neutral wire. The most notable exceptions are the California 204, Muller 1296, Silver Lake 257 and Topaz 1261 circuits which lie entirely in either Zone 1 or Tier 2 of the HFTD map. These four circuits are a Y system with a common neutral.

REQUEST NO. 6:

Please provide copies of all transmission line maps and all distribution circuit maps of facilities located within the boundaries of the Commission's High Fire-Threat Map including the three designated areas (Zone 1, Tier 2, Tier 3) or a link that provides access to these maps.

RESPONSE TO REQUEST NO. 6:

Please use the link below to find a portal with all of Liberty CalPeco's distribution and transmission lines layered in with the HFTD map.

<https://libertyutilities.maps.arcgis.com/apps/webappviewer/index.html?id=56828bb4bead4774893f142974810c88>