

**PACIFIC GAS AND ELECTRIC COMPANY
10-Year Electrical Undergrounding Plan (EUP)
Data Response**

PG&E Data Request No.:	MGRA_002-Q009
PG&E File Name:	EUP-Phi_DR_MGRA_002-Q009
Request Date:	October 12, 2026
Requester DR No.:	002
Requesting Party:	Mussey Grade Road Alliance
Requester:	Joseph Mitchell
Date Sent:	October 15, 2026
PG&E Responsible Person(s):	Andrea Brown

EUPS and PSPS

QUESTION 009

In Workpaper 016B, EPSS Toy Problem Calculations, p. 710, the largest contribution by far to the outage count is classified as “other_equipment_type” (33,470 versus the next largest vegetation_branch at 5,693).

- a. What subcategories of event constitute other_equipment_type, and what are their respective contributions to outages?
- b. Are all outages listed arising while EPSS triggering conditions are set?
- c. What fraction of outages listed in the categories listed in Workpaper 016B result in ignition?

ANSWER 009

- a. The other_equipment_type category are outages that are used to train the Other Equipment WDRM v4 event probability model. Other equipment is a catch-all for outages with a cause that does not belong with any other causal model or has no recorded cause. Please see Section 3.5.1.10, Other Equipment Model, in EUP attachment B-WP015, Distribution Event Probability Models Version 4, for more information on the Other Equipment Model.
- b. Transformer and switch-related failure modes are considered independent of EPSS operation. This is why Workpaper 016B, EPSS Toy Problem Calculations, shows zero outages for those subsets. The other failure types can result in an EPSS outage if they occur on a circuit downstream of an EPSS enabled protective device.

- c. The outage counts for the toy problem in Workpaper 016B were created for illustrative purposes. Please see Table 30 – Outage and Ignition Event Counts Summary in Section 3.6.1.3, Model Data, of EUP attachment B-WP015, Distribution Event Probability Models Version 4, for outage and ignition counts associated with each event type in WDRM v4.