

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

PG&E Data Request No.:	OEIS_004-Q002		
PG&E File Name:	WMP-Discovery2023_DR_OEIS_004-Q002		
Request Date:	May 4, 2023	Requester DR No.:	P-WMP_2023-PG&E-004
Date Sent:	May 9, 2023	Requesting Party:	Office of Energy Infrastructure Safety
DRU Index #:		Requester:	Colin Russell Lang

SUBJECT: REGARDING EPSS IN IPW MODEL

QUESTION 002

PG&E discusses its Ignition Probably Weather (IPW) Model on p. 769 of its WMP.

- a. How does the IPW Model analyze and consider outages from EPSS (i.e., differentiating analysis completed)?
- b. How does the IPW Model account for EPSS-enabled circuits?

ANSWER 002

- a. The OPW-IPW model does not differentiate between circuits that had or have EPSS enabled currently. The EPSS program is not expected to create additional outages; outage activity over the past 5 years on these circuits during the May to November time frame has been essentially flat, including in 2022 when EPSS was fully rolled out. The outages that do occur tend to impact more customers since the protection scheme over-reaches fuses by design; faults that cause an EPSS enabled device to operate typically would have caused either a sustained or momentary outage without EPSS enabled. The OPW-IPW model is trained on all sustained and momentary outage activity historically, thus we do not differentiate between when EPSS is enabled or not.
- b. Please see response to A.