

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

PG&E Data Request No.:	MGRA_012-Q39		
PG&E File Name:	WildfireMitigationPlans_DR_MGRA_012-Q39		
Request Date:	March 17, 2021	Requester DR No.:	WMP-2021 MGRA PGE DataRequest 6
Date Sent:	March 22, 2021	Requesting Party:	Mussey Grade Road Alliance
PG&E Witness:		Requester:	Joseph Mitchell

Regarding the use of the Technosylva fire spread model and its use to calculate wildfire consequences:

QUESTION 39

How is the duration of the simulation determined for risk calculations used to identify circuits for PSPS? Is there a maximum / default duration of simulation for this purpose and if so what is it? Or does the duration of the simulation extend to the projected length of the weather event?

ANSWER 39

Technosylva outputs are not currently utilized in PSPS decision making; however, we are currently evaluating incorporation of Technosylva outputs into the PSPS Black Swan criteria. The millions of fire spread simulations that are run automatically each day from Technosylva presently have a maximum burn duration of 8 hours. This was selected at the guidance of Technosylva to: 1) capture the initial burn period; 2) simulate all fires across an equivalent timeframe to allow for direct comparisons between circuits; and 3) balance costs, as computational costs scale with burn duration times.