

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

PG&E Data Request No.:	MGRA_011-Q35		
PG&E File Name:	WildfireMitigationPlans_DR_MGRA_011-Q35		
Request Date:	March 4, 2021	Requester DR No.:	WMP-2021 MGRA PGE DataRequest 5
Date Sent:	March 9, 2021	Requesting Party:	Mussey Grade Road Alliance
PG&E Witness:		Requester:	Joseph Mitchell

Regarding PG&E's ignition probability model:

QUESTION 35

Please present the “buy down” risk curves showing both equipment ignition probability and vegetation ignition probability showing circuit risk rankings and relative risk, both with the old regression ignition model and the new machine learning ignition model.

ANSWER 35

Wildfire risk by circuit is presented for the 2019-2020 Wildfire Risk Model and the 2021 Wildfire Distribution Risk Model for vegetation and equipment in WildfireMitigationPlans_DR_MGRA_011-Q35-Atch01.xls.

For the 2019-2020 Wildfire Risk Model the vegetation risk was produced at the circuit level and the System Hardening risk was produced as the circuit segment level. For the 2021 Wildfire Distribution Risk Model, both the Vegetation and Equipment Risk models are produced at the circuit segment level.

Risk reduction is represented as the risk that is addressed at each circuit segment. For each buy down curve, the total risk of all circuit segments is the value at the top left of the buy down curve. For each circuit segment along the x-axis the total risk for that circuit segment is removed from the total as a representation of the amount of wildfire risk addressed as mitigations are conducted.