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

PG&E Data Request No.:	CalAdvocates_004-Q01		
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PG&E Witness:		Requester:	[redacted]

QUESTION 01

Please provide the PG&E's most advanced version of its model on wildfire risks. This can include, but not be limited to, the risk model filed to the Commission or used internally to make informed decisions on capital investment or expenses for the utility's operations, proposed programs mitigate wildfires, etc.

ANSWER 01

As outlined in Section 3, beginning on page 19, of PG&E's Wildfire Safety Plan, and particularly Section 3.5 (starting on page 32), PG&E leveraged a risk model comprised of three components to develop its risk-based prioritization of Distribution circuits for Enhanced Vegetation Management (EVM) and System Hardening (SH) work in 2019. That model was based upon: 1) likelihood of ignition, 2) likelihood of wildfire spread and consequence score, and 3) egress factor. The likelihood of ignition was calculated using a regression methodology, the likelihood of wildfire spread and consequence was based upon model outputs from a third-party fire mode, and the egress factor was calculated through understanding the at risk population's ability to exit an area via the town's current road infrastructure. While the methodology is the same for both EVM and SH work, the asset-level of outputs for each program differs to coincide with PG&E operations. For EVM, work is planned and conducted at a circuit level. Whereas for SH, work is planned and conducted at a protection zone. Accordingly, slight adjustments and considerations were made in the model to generate prioritization results at the circuit level for EVM and results at the protection zone for SH.

The risk model itself was developed through a logistic regression model with the Alteryx software package. The most recent output of this analysis is attached to this response as WildfireMitigationPlans_DR_CalAdvocates_004-Q01-Atch01.