

**PACIFIC GAS AND ELECTRIC COMPANY
2020 General Rate Case Phase I
Application 18-12-009
Data Response**

PG&E Data Request No.:	PubAdv_160-Q02		
PG&E File Name:	GRC-2020-PhI_DR_PubAdv_160-Q02		
Request Date:	April 11, 2019	Requester DR No.:	160
Date Sent:	April 25, 2019	Requesting Party:	Public Advocates Office
PG&E Witness:		Requester:	

SUBJECT: ALL EXHIBITS – PG&E’S WILDFIRE RISK MODEL(S)

QUESTION 02

If PG&E has presented two different wildfire risk models in A.18-12-009 and in R.18-10-007, please describe the differences of the two models in terms of the following items:

- a. The reasoning(s) for having two separate models;
- b. The distinctive names of these models;
- c. The version numbers of the two wildfire risk models used in each proceeding;
- d. Purpose and nature;
- e. Underlying methodologies;
- f. Software used for simulation or analysis;
- g. Developmental milestones (in chronological order);
- h. The consulting companies involved in the model development (if any); and
- i. Why PG&E is utilizing two different models in proceedings separated by only two months in filing date.

ANSWER 02

PG&E used the same Wildfire Risk Model to assess its wildfire risk and to measure mitigation effectiveness at a portfolio level in both in its 2020 General Rate Case (A.18-12-009) and its Wildfire Mitigation Plan (R.18-10-007). This model is an evolution of the model developed for the 2017 RAMP Report (I.17-11-003) as discussed in Exhibit 4, Chapter 2A, section E of PG&E’s GRC testimony.

PG&E also developed a circuit level risk assessment model, known as the “Prioritization Model” discussed in Section 3.5 of its Wildfire Mitigation Plan, to prioritize circuits for Enhanced Vegetation Management work, protection zones for Overhead System Hardening mitigations, and Transmission and Distribution circuits for accelerated inspections. The Prioritization Model is discussed in greater detail in PG&E’s response to Public Advocates 160, Question 1. This circuit level prioritization assessment was not presented in PG&E’s GRC application because: 1) it relates to the operational

details of specific locations where forecast work may be performed rather than portfolio-level needs relevant to PG&E's funding request; and 2) the details of the circuit level assessment had not been finalized at time the GRC testimony was prepared. The Prioritization Model was developed by a combination of PG&E staff and KPMG consulting resources using algorithms in a software program called Alteryx. The outputs from Alteryx were exported to Excel for reporting purposes as referenced in PG&E's response to Public Advocates 160, Question 1.