

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

PG&E Data Request No.:	PubAdv_160-Q01		
PG&E File Name:	GRC-2020-PhI_DR_PubAdv_160-Q01		
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 01

Referring to the conference call on Friday April 5, 2019, Public Advocates Office understands that the wildfire risk model presented in this GRC proceeding (A.18-12-009) is different from the wildfire risk model in the Wildfire Mitigation Plan proceeding (R.18-10-007).

The Public Advocates Office would consider the models as different if the underlying methodologies and/or the software used for analysis or simulation purposes are different. If the same data sources were used, but have been updated, we do not consider this as different for the purposes of this data request.

Please state whether the Public Advocates Office understanding is correct. If not, please explain.

ANSWER 01

Public Advocates Office’s understanding is incorrect.

PG&E used one model, an evolution of the model developed for the 2017 RAMP Report (proceeding I.17-11-003), to assess its wildfire risk and to measure mitigation effectiveness at a portfolio level in support of both the 2020 GRC filing (proceeding A.18-12-009) and the subsequently filed 2019 Wildfire Mitigation Plan proceeding (WMP) (R.18-10-007). This model, known as the Wildfire Risk Model was developed for the 2017 RAMP Report and updated for the 2020 GRC. It has not been updated since the 2020 GRC filing on December 13, 2018. The Wildfire Risk Model is discussed in Exhibit 4, Chapter 2A of PG&E’s GRC testimony, and in Section 3 of the WMP. Details of this portfolio-level Wildfire Risk Model have been provided to Public Advocates in PGE’s responses to GRC-2020-PhI_DR_PubAdv_004-Q4, in particular GRC-2020-PhI_DR_PubAdv_004-Q4Atch02.

In addition to the portfolio-level Wildfire Risk Model discussed above, section 3.5 of the WMP describes a circuit level risk assessment known as the Wildfire Risk Assessment Prioritization Model or “Prioritization Model.” PG&E developed this assessment to prioritize circuits and protection zones for its Overhead System Hardening and Enhanced Vegetation Management mitigation programs, which are discussed in both

the GRC testimony and the WMP, and for its accelerated Wildfire Safety Inspection Program discussed in the WMP. This circuit-level prioritization is a operationalization of PG&E's portfolio-level risk modelling which assesses wildfire risk for individual circuits by considering three components: (1) likelihood of asset failure; (2) risk of wildfire spread and consequence; and (3) egress risk. For a user guide containing a more detailed discussion of the methodology, model components, data inputs, and outputs used to develop the circuit prioritization list, see GRC-2020-Phi_DR_PA_160-Q01Atch01 ("User Guide"). The output from the Prioritization Model itself is attached as GRC-2020-Phi_DR_PA_160-Q01Atch02. This Prioritization Model was also discussed in a data response, WildfireMitigationPlans_DR_CalAdvocates_004-Q01, which PG&E provided to Public Advocates Office as part of discovery related to PG&E's WMP. That data response is attached here as GRC-2020-Phi_DR_PA_160-Q01Atch03.