

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

PG&E Data Request No.:	CalAdvocates_043-Q02		
PG&E File Name:	WildfireMitigationPlans_DR_CalAdvocates_043-Q02		
Request Date:	February 25, 2021	Requester DR No.:	CalAdvocates-PGE-2021WMP-09
Date Sent:	March 2, 2021	Requesting Party:	Public Advocates Office
PG&E Witness:		Requester:	Alan Wehrman

SUBJECT: CLIMATE MODELING

The following questions related to PG&E's 2021 Wildfire Mitigation Plan (WMP) Update.

QUESTION 02

P. 70 of PG&E's 2021 WMP discusses the PG&E Operational Mesoscale Modeling System (POMMS). PG&E states, "PG&E utilized the same weather model configuration to produce a 30 - year, hour-by-hour historical weather and fuels climatology also at 2 x 2 km resolution."

- a. What attributes (e.g., dead-fuel moisture level) does PG&E's 30-year fuels climatology include?
- b. List the historical data sources used to develop PG&E's 30-year fuels climatology.
- c. How did PG&E validate the accuracy of its modeled 30-year fuels climatology?
- d. Please provide any workpapers or other documents associated with the development of the 30-year fuels climatology.
- e. Please provide any workpapers or other documents associated with validation of the 30-year fuels climatology.

ANSWER 02

The attachments to this response contain confidential information as described in the Confidentiality Declaration of Meredith Allen, dated March 2, 2021

- a. The attributes included in PG&E's 30-year fuels climatology are the fuel moisture levels, represented as a percentile, for the 1-,10-,100-, and 1000-hr time-lagged dead fuels.
- b. The historical data source is the weather output from PG&E's 30-year weather climatology.
- c. PG&E's external expert, ADS, performed the validation of the Dead Fuel Moisture (DFM) Model. This involved comparing output from the DFM model compared with historical observations from RAWs and Fire Family Plus. However, due to lack of field observations of the larger fuel moisture classes, the only source of validation was the Fire Family Plus model that is utilized by state and federal agencies.

d/e. PG&E objects to these requests on the grounds that the phrase “any workpapers or other documents” is overbroad and unduly burdensome given the three-day response deadline for this request. PG&E also objects to these requests to the extent they ask for documents in violation of the attorney-client privilege or work product doctrine. Subject to and without waiving these objections, PG&E submits the ADS DFM validation reports. See:

WildfireMitigationPlans_DR_CalAdvocates_043-Q02Atch01CONF.pdf &

WildfireMitigationPlans_DR_CalAdvocates_043-Q02Atch02CONF.pdf