

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

PG&E Data Request No.:	MGRA_010-Q07		
PG&E File Name:	WildfireMitigationPlans_DR_MGRA_010-Q07		
Request Date:	February 25, 2021	Requester DR No.:	WMP-2021 MGRA PGE DataRequest 4
Date Sent:	March 2, 2021	Requesting Party:	Mussey Grade Road Alliance
PG&E Witness:		Requester:	Joseph Mitchell

***The following data requests are being issued to PG&E.***

**QUESTION 07 (22)**

On p. 281 of its WMP, PG&E states that it is developing “weather-station specific wind gust model based on machine-learning or statistical techniques.” What characteristics is this model designed to predict, and based upon what input data? Will this model be used to predict wind gusts only or will it also be used to predict outage rates?

**ANSWER 07 (22)**

The model will be used for forecasting wind gusts specifically for point weather station locations. The specific input data for the machine learning models has not been determined at this time (as they are still in development); however, in general, the machine learning model will be fed with various forecasted weather parameters from the surrounding environment and then trained to predict the wind gusts for the given location. These models will be tested against historical weather observations during the model training phase.