

PACIFIC GAS AND ELECTRIC COMPANY
Wildfire Mitigation Plans Discovery 2022
Data Response

PG&E Data Request No.:	CalAdvocates_014-Q07		
PG&E File Name:	WMP-Discovery2022_DR_CalAdvocates_014-Q07		
Request Date:	March 10, 2022	Requester DR No.:	CalAdvocates-PGE-2022WMP-14
Date Sent:	March 15, 2022	Requesting Party:	Public Advocates Office
PG&E Witness:		Requester:	Dillon Copa

The following questions relate to your 2022 WMP Update submission.

QUESTION 07

On Pg. 472 of PG&E's 2022 WMP, PG&E states, "Due to the weather conditions in 2021, none of the substations where generation was staged were utilized in the 2021 PSPS season."

- a) What lessons did PG&E learn about staging temporary generation from its experience in 2021?
- b) How will PG&E improve its staging of generation in 2022 to ensure that it is useful during the PSPS season?

ANSWER 07

- a) Despite not operationalizing any staged temporary generation at substations in 2021, PG&E learned how dynamic and quickly changing the substation program is. There is a continuing downward trend of need for temporary generation at substations year over year. Weather conditions are unpredictable making it difficult to determine when temporary generation at substations will be needed. Additionally, as PG&E's PSPS modeling capabilities and analysis of physical assets continue to improve, the trend has been toward a reduced need for substation temporary generation to mitigate the impacts of PSPS events, although future changes in weather events, asset and environmental conditions, or PSPS scoping criteria could cause PSPS events to increase. PG&E learned that this is a dynamic program and the updated 10-year historical lookback data significantly changes the substations that are impacted each year.
- b) PG&E is not staging any substation temporary generation in 2022. Refinements in PG&E's modeling capability and improvements in grid infrastructure have led to a general trend toward a reduction in need for substation-level microgrid solutions for PSPS mitigation.