

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

PG&E Data Request No.:	OEIS_002-Q07		
PG&E File Name:	WMP-Discovery2022_DR_OEIS_002-Q07		
Request Date:	February 22, 2022	Requester DR No.:	Data Request OEIS-PG&E-22-002
Date Sent:	March 4, 2022	Requesting Party:	Office of Energy Infrastructure Safety
PG&E Witness:		Requester:	Kevin Miller

C. Grid Design and System Hardening

QUESTION 07

Regarding PG&E's response to Maturity Survey question C.III.d (*How does the utility consider egress points in its grid topology?*):

- a. Given PG&E "does not consider" egress as part of its grid topology design, how does PG&E currently factor and account for egress into wildfire and safety risks?
- b. How is PG&E planning to input egress into grid topology design moving forward?

ANSWER 07

- a. For purposes of risk modeling, PG&E has not performed an assessment of transportation corridors or vehicular flow rates in our service territory. However, PG&E has considered ingress/egress as a factor when evaluating circuit segments for wildfire mitigation and system hardening. See e.g., 2022 WMP, pp. 524, 531, 540, 542 (addressing ingress and egress issues). As part of the circuit segment review, as explained in our response to Remedy PGE-21-14, submitted on November 1, 2021, the Mitigation Decision Tree for System Hardening, our Public Safety Specialist (PSS) team review the segments identified for proposed System Hardening specifically for Ingress/Egress consideration as well as other local conditions.
- b. In addition, during 2021, PG&E engaged UCLA Garrick Institute for Risk Sciences to develop an approach and methodology on how to consider Egress. As of the end of 2021, a pilot model that produces a probability of a safe evacuation of a community has been developed. This pilot model has subsequently been calibrated on the evacuation of the town of Paradise as a result of the Camp Fire. We are also reviewing and evaluating the Risk Associated with Value Exposure (RAVE) module from Technosylva that has components for estimating egress considering location and community factors. PG&E discusses this in more detail in Section 4.6, Additional Issue 5.1.C in its 2022 WMP.