

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

PG&E Data Request No.:	OEIS_002-Q08		
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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 08

Regarding PG&E's response to Maturity Survey question C.IV.d (*What grid hardening initiatives does the utility include within its evaluation?*):

- a. Define PG&E's understanding of what "Some" and "Most" include when considering grid hardening initiatives.
- b. How does PG&E plan to move from considering some hardening initiatives to most by January 1, 2023?

ANSWER 08

- a. Currently, risk models inform the prioritization of System Hardening (Covered Conductor and Undergrounding) programs. RSEs are currently calculated for multiple grid hardening initiatives (beyond just Covered Conductor and Undergrounding programs) as presented in Table 12 of the 2022 WMP. In regard to the range of System Hardening initiatives, PG&E considered this as 'some' of the available mitigation options. PG&E is developing modeling capabilities to measure the risk reduction for individual asset replacements that would, in PG&E's view, move this capability to 'most.'
- b. The 2022 Wildfire Distribution Risk Model (WDRM) v3 described in PG&E's 2022 WMP will add the capabilities to model 'most' system hardening initiatives. See 2022 WMP, pp. 128-148.