

PACIFIC GAS AND ELECTRIC COMPANY
Wildfire Mitigation Plans Discovery 2023
Data Response

PG&E Data Request No.:	MGRA_004-Q001		
PG&E File Name:	WMP-Discovery2023_DR_MGRA_004-Q001		
Request Date:	April 28, 2023	Requester DR No.:	MGRA-PGE-WMP23_No.4
Date Sent:	May 3, 2023	Requesting Party:	Mussey Grade Road Alliance
DRU Index #:		Requester:	Joseph Mitchell

SUBJECT: WDRM DATA:

Attachment 2023-03-27_PGE_2023_WMP_R1_Appendix C_Atch01\Section_6.gdb contains potentially useful risk information in an aggregated format. I believe that this is "6.4.1.1 Geospatial Maps of Top-Risk Areas within HFRA" However there are certain features that prevent its effective use:

- The risk data is not provided in numeric format, but in a percentile bin. This binning seems not to be accurate, since virtually all circuits fall under the "Lowest Risk" categories, making it impossible to differentiate circuit risk.
- There is considerably more visible distribution line in the "PrimaryDistributionLine" GIS data than is evident in the Section 6 file.
- "Hot pixels" appear in the data of higher risk, isolated from the rest of the distribution system.

Please the provide additional information and data to support the use of this file:

QUESTION 001

Please provide a description of how the data was created, and from which version of WDRM. Please provide a description of how risk data was assigned to the 100 meter square polygons that make up the layer, specifically if it is an average over the risk scores of the components within the area.

ANSWER 001

Section 6.4.1.1 is provided in response to Energy Safety's 2023-2025 WMP guidelines which requested a geospatial risk map with risk levels presented in three layers as the top 5%, 5% to 20%, and bottom 80% within the HFRA. PG&E provided a more detailed presentation of risk layers than requested. For this reason, the numeric risk value is not provided as it was not requested.

The data provided in Attachment 2023-03-27_PGE_2023_WMP_R1_Appendix C_Atch01\Section_6.gdb is from the Wildfire Distribution Risk Model v3. The risk values for each 100m x 100m pixel are the System Hardening composite value. As described in section 6.2.2.3, pages 171 and 172 in PG&E's 2023-2025 WMP, the pixel level risk value is the product of the cumulative probability of all risk drivers in that pixel and the wildfire consequence.