

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

PG&E Data Request No.:	CalAdvocates_009-Q006		
PG&E File Name:	WMP-Discovery2023_DR_CalAdvocates_009-Q006		
Request Date:	April 4, 2023	Requester DR No.:	CalAdvocates-PGE-2023WMP-09
Date Sent:	April 7, 2023	Requesting Party:	Public Advocates Office
DRU Index #:		Requester:	Holly Wehrman

Risk Methodology and Assessment

QUESTION 006

P. 193 of PG&E's WMP states, "top-risk areas are defined as the areas corresponding to those 100 x 100 m pixels that intersect PG&E overhead electrical infrastructure locations and that are in the upper 20th percentile based on WDRM v3 risk scores."

- a) By "upper 20th percentile," does PG&E mean the 80th through 100th percentiles, as percentiles are conventionally defined (in other words, the highest quintile of risk scores)?
- b) In the above statement, does "upper 20th percentile" refer to all WDRM v3 risk scores (which encompass most of PG&E's service territory), or a subset (for example, the upper 20th percentile of those WDRM v3 risk scores located within HFTD)? Please explain your answer.
- c) How many circuit-miles are included in the "upper 20th percentile" as this term is used in PG&E's WMP?

ANSWER 006

- a) Yes, by "upper 20th percentile" PG&E means the 80th through 100th percentiles; i.e., the highest quintile of risk scores.
- b) The "upper 20th percentile" refers to a subset of WDRM v3 risk scores. The "top-risk" areas were identified using the following process: (1) PG&E service territory was spatially divided into a grid of square, 100 m x 100 m pixels; (2) for each pixel intersecting PG&E overhead electrical distribution infrastructure (1,455,233 pixels), the WDRM v3 was used to produce a risk score (range: 0 [least risk] - 0.2338641435 [greatest risk]); and (3) those 20 percent of risk-scored pixels (289,046 pixels) with the greatest risk scores (range: 0.0006426839 - 0.2338641435) were designated as "top-risk" areas.
- c) The number of overhead distribution circuit miles included in the "upper 20th percentile" is 16,262 miles (from a total of approximately 81,000 overhead distribution circuit miles).