

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

PG&E Data Request No.:	CalAdvocates_031-Q02		
PG&E File Name:	WMP-Discovery2022_DR_CalAdvocates_031-Q02		
Request Date:	August 18, 2022	Requester DR No.:	CalAdvocates-PGE-2022WMP-31
Date Sent:	September 8, 2022	Requesting Party:	Public Advocates Office
PG&E Witness:		Requester:	Holly Wehrman

Page 28 of the E3 report states, “A ‘composite model’ sums the probability of ignition across all relevant subsets pertaining to a particular business unit. The probability of ignition is multiplied by the consequence score to calculate a risk score. Risk scores can then be aggregated across assets and geographies for various work planning purposes (e.g. aggregated over a circuit segment to compare the risk across different segments).”

**QUESTION 02**

- a) Please list all composite (or aggregate) risk scores, as discussed in the E3 report, generated by PG&E’s WDRM v3.
- b) For each risk score in part (a), please provide a category or brief description of the type of risk the score represents
- c) For each risk score in part (a), please provide a brief explanation of how PG&E intends to use that risk score.
- d) For each risk score in part (a), please list all PG&E wildfire mitigation initiatives that are informed by that risk score.
- e) For each risk score in part (a), please state the most granular level available for that risk score. For example, in WDRM v2, the most granular level available would be the risk scores associated with individual 100m x 100m pixels.
- f) For each risk score in part (a), please state the granularity at which the risk score is used to inform wildfire mitigation initiatives (e.g. circuit segment, circuit, individual asset, etc.).

**ANSWER 02**

- a) At this time 5 composite risk scores have been developed. These are the System Hardening, Vegetation, Support Structure, Transformer, and Total Risk composite scores. Other composites may be developed for specific work plans as needed. These risk scores are detailed in the table below along with the associated responses requested in parts b through f.

<b>Risk score</b>	<b>b) Category or brief description</b>	<b>c) Intended use</b>	<b>d) Informed mitigation initiatives</b>	<b>e) Most granular level</b>	<b>f) Granularity used to inform initiative</b>
All Composite	All 17 risk drivers	Inform over total risk	Under development and not fully determined at this time.	Pixel (100mx100m)	Circuit Segment
System Hardening	All risk drivers that System Hardening mitigations address (all 17)	To provide insights in to prioritizing System Hardening	System Hardening Program	Pixel (100mx100m)	Circuit Segment
Vegetation Composite	All three vegetation risk drivers (branch, trunk, other)	Inform mitigation plans aimed at reducing vegetation related ignitions	Under development and not fully determined at this time.	Pixel (100mx100m)	Circuit Segment
Support Structure Composite	Equipment and electrical (pole fires) risk drivers	Inform mitigation plans aimed at reducing pole related ignitions	Under development and not fully determined at this time.	Pixel (100mx100m)	Circuit Segment and asset level
Transformer Composite	Equipment failure and leakage risk drivers	Inform mitigation plans aimed at reducing transformer related ignitions	Under development and not fully determined at this time.	Pixel (100mx100m)	Circuit Segment and asset level