DATA REQUEST RESPONSE
Bear Valley Electric Service, Inc.

Response provided by:	Jon Pecchia
Title:	Utility Manager
Data Request Number:	No. CalAdvocates-BVES-2022 WMP-07
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Question 1
During the 2022 Wildfire Mitigation Plan Workshop for Small and Multi-Jurisdictional Utilities and Independent Transmission Operators ("the Workshop") held on May 18, 2022, BVES stated that it had worked with REAX Engineering to develop maps of ignition probability under both 2021 and 2050 conditions.

a) Please describe each specific way that BVES has utilized the ignition probability maps under 2021 conditions to inform its 2022 wildfire mitigation strategy.

Response
The ignition probability maps for 2021 were used to validate risk assessments for determining WMP project priorities.

b) Please describe each specific way that BVES has utilized the ignition probability maps under 2050 conditions to inform its 2022 wildfire mitigation strategy.

Response
The ignition probability maps for 2050 will be used to validate risk assessments for determining WMP project priorities.

c) Please describe each specific way that BVES anticipates utilizing the ignition probability maps under 2021 conditions to inform its 2023 wildfire mitigation strategy.

Response
The ignition probability maps for 2021 were used to validate risk assessments for determining WMP project priorities.

d) Please describe each specific way that BVES anticipates utilizing the ignition probability maps under 2050 conditions to inform its 2023 wildfire mitigation strategy.

Response

The ignition probability maps for 2050 will be used to validate risk assessments for determining WMP project priorities.

Question 2

During the Workshop, BVES stated that it had worked with REAX Engineering to develop maps of potential consequence of ignitions under both 2021 and 2050 conditions.

a) Please describe each specific way that BVES has utilized the consequence maps under 2021 conditions to inform its 2022 wildfire mitigation strategy.

Response

The potential consequence of ignitions maps for 2021 were used to validate risk assessments for determining WMP project priorities.

b) Please describe each specific way that BVES has utilized the consequence maps under 2050 conditions to inform its 2022 wildfire mitigation strategy.

Response

The potential consequence of ignitions maps for 2050 will be used to validate risk assessments for determining WMP project priorities.

c) Please describe each specific way that BVES anticipates utilizing the consequence maps under 2021 conditions to inform its 2023 wildfire mitigation strategy.

Response

The potential consequence of ignitions maps for 2021 were used to validate risk assessments for determining WMP project priorities.

d) Please describe each specific way that BVES anticipates utilizing the consequence maps under 2050 conditions to inform its 2023 wildfire mitigation strategy.

Response

The potential consequence of ignitions maps for 2050 will be used to validate risk assessments for determining WMP project priorities.

Question 3

During the Workshop, BVES stated that it is working with Technosylva to implement wildfire forecasting applications in the BVES domain area.

a) Please describe each specific way that BVES has utilized Technosylva to inform its 2022 wildfire mitigation strategy.

Response
Technosylva was contacted by BVES after the WMP was filed; therefore, Technosylva models had no input regarding the 2022 wildfire mitigation strategy.

b) Please describe each specific way that BVES anticipates utilizing Technosylva to inform its 2023 wildfire mitigation strategy.

Response
For 2023 wildfire mitigation strategy, Technosylva modeling will be utilized for: 1) Refinements in PSPS strategy for high risk areas, and 2) utilizing assessment mapping to determine risk priorities.

Question 4
Page 152 of BVES's 2022 WMP Update states, "BVES plans to replace all overhead subtransmission bare wire with covered wire over a 6-year period of execution from 2020 to 2026 covering approximately 4.3 miles per year."

a) Exactly how many miles of sub-transmission circuits does BVES plan to cover in 2022?

Response
For 2022, BVES plans to cover 4.1 miles of sub-transmission circuits.

b) Please identify each sub-transmission circuit-segment that will treated in 2022 as part of this initiative, including the circuit name and the number of miles of sub-transmission that will be covered as part of the project.

Response

Circuit Matrix List	**Circuit Name**	**Length of covered conductor to be installed in 2022 in miles**
Baldwin	BaldwinBreaker	0.2
Shay	ShayBreaker(SCE Feed)	3.9

c) What methods did BVES use to choose the specific miles of sub-transmission to replace with covered wire in 2022?

Response
Several factors are considered when determining which specific miles of sub-transmission wire is replaced. Some of these factors include risk of the circuit, benefit to the overall system design, ignition and consequence modeling, and current condition of the circuit.

d) Does BVES anticipate any changes to its response to part (c) for 2023?

Response
BVES does not anticipate any changes to its response.

Question 5

Page 153 states, "BVES intends to replace all bare 4 kV distribution wire in identified high-risk areas within the HFTD with covered wire. This action will result in approximately 86 miles of the 4 kV distribution lines in the system in the HFTD being covered at approximately 8.6 miles per year for the next 10 years."

a) Exactly how many miles of 4 kV distribution circuits does BVES plan to cover in 2022?

Response
For 2022, BVES plans to cover 9.4 miles of 4 kV distribution circuits.

b) Please identify each distribution circuit-segment that will treated in 2022 as part of this initiative, including the circuit name and the number of miles of sub-transmission that will be covered as part of the project.

Response

Circuit Matrix List	**Circuit Name**	**Length of covered conductor to be installed in 2022 in miles**
Boulder	BoulderBreaker	0.4
Castle Glen (Division)	CastleGlen(Division)Breaker	1.5
Clubview	ClubviewBreaker	1.5
Country Club	CountryClubBreaker	0.1
Erwin Lake	ErwinLakeBreaker	2.7
Holcomb (Bear City)	Holcomb(BearCity)Breaker	0.1
Interlaken	InterlackenBreaker	0.4
Paradise	ParadiseBreaker	2.7

c) What methods did BVES use to choose the specific miles of 4kV distribution wire to replace with covered wire in 2022?

Response
Several factors are considered when determining which specific miles of 4kV distribution wire is replaced. Some of these factors include risk of the circuit, benefit to the overall system design, ignition and consequence modeling, and current condition of the circuit.

d) Does BVES anticipate any changes to its response to part (c) for 2023?

Response
BVES does not anticipate any changes to its response.

Question 6

Page 69 of BVES's 2022 WMP Update states, "Fires are modeled as unsuppressed for a duration of 48-hours because all operational fire models, including ELMFIRE, cannot reliably model fire suppression."

a) How did BVES choose the simulation duration of 48 hours?

Response
Reax Engineering, BVES risk modeling consultant, recommended that BVES utilize a 48-hour simulation.

b) What data does BVES have on the accuracy of simulations over a 48-hour duration?

Response
Since BVES has not had a fire in its territory for many years, there is no data to compare accuracy to the model.

c) Has BVES consulted with any other utilities on an appropriate simulation duration? Please list those utilities if so.

Response
BVES participates in the OEIS Risk Modeling Workshop. Discussions in the workshop indicated that the 48-hour duration is commonly used by other utilities.

d) Has BVES consulted with any agencies, universities, research groups, or other entities on an appropriate simulation duration? Please list those entities if so.

Response
No

e) Does BVES plan to change the simulation duration in the future? Please describe your plans if so.

Response
BVES has no plans on changing the model at this time.

Question 7
Table 3.2-1 on p. 18 of BVES's 2022 WMP Update lists the electricity cost increase to ratepayers due to wildfire mitigation activities. Are the costs listed for 2019, 2020, 2021, and 2022 cumulative or incremental? For example, to determine the cost increase from 2018 to 2021, would one add the listed cost increases for 2019, 2020, and 2021, or is the listed 2021 cost increase inclusive of the 2019 and 2020 cost increases?

Response
The cost increase to ratepayers due to wildfire mitigation activities is incremental.