

DATA REQUEST RESPONSE
Bear Valley Electric Service, Inc.

Response provided by:	Paul Marconi
Title:	President, Treasurer & Secretary
Data Request Number:	CalAdvocates-BVES-2022 WMP-11
Date Received:	July 5, 2022
Date Due:	June 19, 2022
Date Provided:	June 19, 2022

The following questions relate to 2022 WMP Update submission.

Question 1

State how many customer accounts Bear Valley has as of July 1, 2022, and disaggregate the total by HFTD tier (as defined above).

Response:
24,646 Customers.

Question 2

a) Do you use unusually sensitive protective device settings (i.e., “fast curve” or “fast trip” settings) during certain times of the year, during weather conditions that create high risk of wildfire, or on relatively high-risk circuits?

Response:
No.

b) If the answer to part (a) of this question is yes, please describe when and where you implement these more sensitive protective device settings.

Response:
Not applicable.

c) Please explain the reasoning supporting the choices described in part (b) of this question.

Response:
Not applicable.

Fast Curve Settings for 2022

Question 3

Please provide the protective device settings that Bear Valley plans to use during high fire-risk weather in 2022, including the following parameters:

- a) The minimum to trip current,**
- b) Definite time delay,**
- c) Time curve, and**
- d) Coordination parameters.**

Response:

BVES service territory is all in HFTD tier 2 & 3 and operates in a winter and a summer mode. Summer mode (April to Oct.) is non-reclosing. Winter mode (Nov. to March) is 3 tests before lockout. All other settings do not change. Please see attached "BVES Inc Circuit Setting Parameters" and compressed file "TCC Curves".

Question 4

If any of the parameters identified in question 3 depend on the normal operating parameters for its protective devices (i.e., device settings such as the minimum to trip during ordinary weather), please describe how Bear Valley determines those normal operating parameters.

Response:

Same settings as Question 3. See response to Question 3.

Question 5

- a) Please state whether Bear Valley plans to coordinate protective devices with fuses' time overcurrent curves, or plans to operate protective devices in a fuse-saving mode (i.e. the recloser/circuit breaker trips before the fuse operates) while fast curve settings are in effect.**
- b) Please explain the reasoning for Bear Valley's choice(s) in part (a) of this question.**

Response:

BVES operates by fuse trip before recloser/circuit breaker operates.

Question 6

Please provide:

- a) Any studies that show how Bear Valley determined that the protective device settings identified in question 3 are the best settings to use during high fire-risk weather; and**
- b) Any studies of the expected impact to reliability due to the settings identified in question 3.**

Response:

Not Applicable.

Regular Settings for 2022

Question 7

Please provide the protective device settings that Bear Valley normally uses (i.e., outside of HFTD areas or outside of high fire-risk weather) in 2022, including the following parameters:

- a) The minimum to trip current;**
- b) Definite time delay;**
- c) Time curve; and**
- d) Coordination parameters.**

Response:

Same settings as Question 3. See response to Question 3.

Fast Curve Settings for 2021

Question 8

Please provide the protective device settings that Bear Valley used during high fire-risk weather in 2021, including the following parameters:

- a) The minimum to trip current,**
- b) Definite time delay**
- c) Time curve, and**
- d) Coordination parameters.**

Response:

Same settings as Question 3. See response to Question 3.

Question 9

If any of the parameters identified in question 8 depended on the normal operating parameters for its protective devices (i.e., device settings such as the minimum to trip during ordinary weather), please describe how Bear Valley determined those normal operating parameters.

Response:

Same settings as Question 3. See response to Question 3.

Question 10

- a) Please state whether, in 2021, Bear Valley coordinated protective devices with fuses' time overcurrent curves, or operated protective devices in a fuse-saving mode (i.e. the recloser/circuit breaker trips before the fuse operates) while fast curve settings were in effect.**
- b) Please explain the reasoning for Bear Valley's choice(s) in part (a) of this question.**

Response: Same settings as Question 5. See response to Question 5.

Question 11

Please provide any studies that show how Bear Valley determined that the protective device settings identified in question 8 were the best settings to use during high fire-risk weather.

Response:

Not applicable.

Question 12

Please provide a spreadsheet listing (as rows) each outage that occurred in 2021 on a Bear Valley circuit that had fast curve settings at any point during 2021, including the following information as columns:

- a) The circuit ID number of the circuit involved in the outage (associated circuit);**
- b) The cause of the outage;**
- c) The asset ID number of the furthest upstream protective device that operated on the associated circuit;**
- d) The geographic latitude (in decimal degrees, truncated to seven decimal places) of the furthest upstream protective device that operated on the associated circuit;**
- e) The geographic longitude (in decimal degrees, truncated to seven decimal places) of the furthest upstream protective device that operated on the associated circuit;**
- e) Whether the furthest upstream protective device on the associated circuit was a fuse;**
- f) The number of customers interrupted as a result of the outage;**
- g) The total customer minutes of interruption as a result of the outage; and**
- h) The duration of the outage (in minutes).**

Response:

Not applicable.

Question 13

Please provide a spreadsheet listing (as rows) each protective devices that had fast curve settings enabled in 2021, including the following information as columns:

- a) The device number of the protective device;**
- b) The type of device (e.g., recloser);**
- c) The geographic latitude of the device (in decimal degrees, truncated to seven decimal places);**
- d) The geographic longitude of the device (in decimal degrees, truncated to seven decimal places);**
- e) The ID number of the circuit the device was on;**
- f) The number of times that the fast curve setting was enabled on this device in 2021;**
- g) The date and time when the fast curve setting on this device was enabled;**
- h) The date and time when then the fast curve setting on this device was disabled;**

- i) The reason why the fast curve setting on this device was enabled in this instance (e.g., Red Flag Warning, or Fire Weather Threat Declaration); and**
- j) If fast curve settings were enabled more than once on a particular device, please replicate columns G, H and I as needed to provide a start and end date for each instance in which was the fast curve setting was enabled.**

Response:

Not applicable.

Regular Settings for 2021

Question 14

Please provide the protective device settings that Bear Valley normally used (i.e., outside of HFTD areas or outside of high fire-risk weather) in 2021, including the following parameters:

- a) The minimum to trip current;**
- b) Definite time delay;**
- c) Time curve; and**
- d) Coordination parameters.**

Response:

Same settings as Question 3. See response to Question 3.