



July 15, 2020

Mr. Edward Randolph
Director, Energy Division
California Public Utilities Commission
505 Van Ness Ave.
San Francisco, CA 94102

Re: 2019 Annual Electric Distribution Reliability Report, D. 16-01-008

Dear Mr. Randolph:

Pursuant to the California Public Utilities Commission (Commission) Decision (D.) 16-01-008, "Updating the Annual Electric Reliability Reporting Requirements for California Electric Utilities," Bear Valley Electric Service, Inc. (BVES) submits herewith its 2019 Annual Electric Distribution Reliability Report (Report).

BVES provides electric service to approximately 24,400 customers in the mountain resort community of Big Bear Lake, California. BVES owns and operates 86.8 miles of overhead 34.5 kilovolt sub-transmission, 2.7 miles of 34.5 kilovolt underground sub-transmission, 488.6 miles of overhead distribution, 86.4 miles of underground distribution, 13 sub-stations and a natural gas-fueled 8.4 MW peaking generation facility. The BVES service area is rural and mountainous and is served predominantly from overhead facilities.

This Report follows the Reliability Reporting Template provided in Appendix B to D.16-01-008. BVES notes that due to the small size and geography its service territory, BVES does not subdivide its distribution system and/or service territory into Divisions (or Districts); therefore, Division (or District) reliability indices are not reported separately. BVES records reliability indices at the System and Circuit level only. BVES does not operate and maintain any transmission systems; therefore, transmission system indices are not included in this Report. The BVES distribution system consists of three (3) sub-transmission circuits (34.5 kV) and twenty-three (23) distribution circuits (4.160 kV). These circuits are all included in the System reliability indices calculations.

This Report is BVES' fourth annual reliability report to be submitted to the Commission. Prior to the issuance of D.16-01-008, certain reliability requirements had never been implemented, imposed or required for BVES. Specifically, D.95-09-073 did not name BVES as a respondent, which meant that the requirements of D.96-09-045 never applied to BVES. Therefore, while BVES is subject to GO 165 and GO 166, the reliability reporting requirements established in D.96-09-045 have never been implemented or required for BVES until they were required by D.16-01-008. Because certain reporting requirements were not previously required for BVES, BVES has made its best effort to generate outage data for the past ten (10) years from 2010 to 2019 to include in this Report. In addition, BVES made its best effort to generate outage data

from the years 2005 to 2009 so that Major Event Day calculations in accordance with Institute of Electrical and Electronic Engineers (IEEE) Standard 1366 were possible.

Because the requirements of D.96-09-045 did not previously apply, BVES only recently installed some equipment to accurately measure outages at the circuit level. Also, BVES does not operate an Advanced Metering Infrastructure (AMI) system but instead operates an Automatic Meter Reading (AMR) system. Therefore, BVES used a manual process to gather data for SAIDI, SAIFI, MAIFI and CAIDI for this reporting period. Specifically, outage duration times are mostly recorded based on the time a customer calls in to report an outage and when the service crews record the restoration of services. It is very possible that many short and momentary outages in isolated areas are not detected and, therefore, not recorded. This significantly reduces the accuracy of the reliability indices.

On January 31, 2019 the Commission granted BVES' Petition for Modification of D. 16-01-008 authorizing BVES to establish a memorandum account to install equipment to accurately measure outages at the circuit level. This work is in progress and scheduled to be completed by December 31, 2020.

Pursuant to D.16-01-008, information on the number, date, and location of planned outages is provided under seal in a separate report to the Directors of the Energy Division and the Safety and Enforcement Division.

Sincerely,

Nguyen Quan

Nguyen Quan
Manager Regulatory Affairs
Bear Valley Electric Service, Inc.
630 East Foothill Blvd.
San Dimas, CA 91773

- c. Gabriel Petlin, Energy Division
David K Lee, Energy Division