



# California Public Utilities Commission

# ADVICE LETTER UMMARY



ENEROT OTIETT	
MUST BE COMPLETED BY UTI	LITY (Attach additional pages as needed)
Company name/CPUC Utility No.: Bear Valley Electric Service, Inc (913-E)	
Utility type:    ELC	Contact Person: Nguyen Quan Phone #: (909) 394-3600 x664 E-mail: RegulatoryAffairs@bvesinc.com E-mail Disposition Notice to: RegulatoryAffairs@bvesinc.com
EXPLANATION OF UTILITY TYPE  ELC = Electric GAS = Gas WATER = Water  PLC = Pipeline HEAT = Heat	(Date Submitted / Received Stamp by CPUC)
Advice Letter (AL) #: 442-E	Tier Designation: 1 INFORMATION ONLY
Subject of AL: Q1 2022 BVES Quarterly WMP Safety Report Pursuant to Public Utilities Code Section 8389(e)(7)	
Keywords (choose from CPUC listing): Compliance  AL Type: ☐ Monthly ✓ Quarterly ☐ Annual ☐ One-Time ☐ Other:	
AL Type: Monthly Quarterly Annual One-Time Other:  If AL submitted in compliance with a Commission order, indicate relevant Decision/Resolution #:  PUC 8389(e)(7)	
Does AL replace a withdrawn or rejected AL? If so, identify the prior AL: $_{ m No}$	
Summarize differences between the AL and the prior withdrawn or rejected AL:	
Confidential treatment requested? Yes Vo	
If yes, specification of confidential information:  Confidential information will be made available to appropriate parties who execute a nondisclosure agreement. Name and contact information to request nondisclosure agreement/ access to confidential information:	
Resolution required? Yes No	
Requested effective date: 4/30/22	No. of tariff sheets: $_{ m 0}$
Estimated system annual revenue effect (%):	
Estimated system average rate effect (%):	
When rates are affected by AL, include attachment in AL showing average rate effects on customer classes (residential, small commercial, large C/I, agricultural, lighting).	
Tariff schedules affected:	
Service affected and changes proposed <sup>1:</sup> Pending advice letters that revise the same tariff sheets:	
Toriding davice letters that tevise the same fallit sheets.	

# Protests and all other correspondence regarding this AL are due no later than 20 days after the date of this submittal, unless otherwise authorized by the Commission, and shall be sent to:

CPUC, Energy Division Attention: Tariff Unit 505 Van Ness Avenue San Francisco, CA 94102

Email: EDTariffUnit@cpuc.ca.gov

Name: Nguyen Quan

Title: Regulatory Affairs Manager

Utility Name: Bear Valley Electric Service, Inc

Address: 630 E. Foothill Blvd

City: San Dimas State: California

Telephone (xxx) xxx-xxxx: (909) 394-3600 x664

Facsimile (xxx) xxx-xxxx: (909) 394-7427

Email: RegulatoryAffairs@bvesinc.com; nquan@gswater.com

Name: Zeng Zhu Title: Rate Analyst

Utility Name: Bear Valley Electric Service, Inc

Address: 630 E. Foothill Blvd

City: San Dimas State: California

Telephone (xxx) xxx-xxxx: (909) 394-3600 x495

Facsimile (xxx) xxx-xxxx: (909) 394-7427

 $\label{eq:com:regulatory} \mbox{Email: $\underset{\mbox{Regulatory}\mbox{Affairs@bvesinc.com}$; zeng.zhu@bvesinc.com}$}$ 



April 29, 2022

Advice Letter No. 442-E

(U 913 E)

### California Public Utilities Commission

Bear Valley Electric Service, Inc. ("BVES") hereby transmits for filing the following:

**SUBJECT:** Q1 2022 BVES Quarterly WMP Safety Report Pursuant to Public Utilities Code Section 8389(e)(7)

#### **PURPOSE**

Pursuant to Public Utilities Code ("PUC") Section 8389(e)(7), and the February 16, 2021 Office of Energy Infrastructure Safety ("OEIS") Compliance Operational Protocols, Bear Valley Electric Service ("BVES") submits to OEIS this notification.

Statutory provision requires that BVES file a notification "a quarterly basis that details the implementation of both its approved wildfire mitigation plan and recommendations of the most recent safety culture assessments by the commission and office, and a statement of the recommendations of the board of directors safety committee meetings that occurred during the quarter." Section 8389(e)(7) also requires that the notification "shall also summarize the implementation of the safety committee recommendations from the electrical corporation's previous notification and submission."

This notification reports BVES's 2022 first quarter ("Q1") Wildfire Mitigation Plan ("WMP") activities, recorded Safety Committee meetings, and recommendations of the most recent safety culture assessment.

#### BACKGROUND

Governor Newsom signed Assembly Bill ("AB") 1054 into law on July 12, 2019. AB 1054 contains numerous statutory provisions and amendments designed to enhance the mitigation and prevention of catastrophic wildfires – including wildfires linked to utility equipment – in California. AB 1054 is added to the PUC Section 8389(e), which establishes the requirements for annual safety certifications and, inter alia, requires electrical corporations to establish a safety committee of its board of directors composed of members with relevant safety experience, establish board-of-director-level reporting to the California Public Utilities Commission ("Commission") on safety issues, and file quarterly notifications as described above.

#### IMPLEMENTATION OF BVES'S WILDFIRE MITIGATION PLAN

To support sustained implementation and improvement of the WMP, BVES continues to track progress through metrics on applicable initiatives in 10 categories for mitigating wildfire in addition to the quarterly data, which conform to OEIS standards. BVES's quarterly initiative summary presentation includes information submitted to the OEIS under the Quarterly Initiative Update ("QIU") and the Quarterly Data Report ("QDR") filings for Q1 2022.

In Attachment A, BVES provides an initiative summary of progress for individual mitigation measures during the first quarter of 2022.

### **Overview of Significant Achievements and Issues**

BVES made significant progress in achieving its WMP initiative targets for 2022.

In Q1 2022, some of the more significant achievements were:

- Completed the 2022 target to harden 412 poles along the main evacuation routes to the Big Bear Lake area in February 2022. The target was achieved by installing fire resistant wire mesh on the 412 poles. This completes BVES's effort to have all of its evacuation routes hardened by 2022. BVES front loaded this effort to ensure it was completed prior to the fire season.
- Replaced 2.3 circuit miles of 34.5 kV sub-transmission and 4 KV distribution bare wire with covered conductor, which was well head of target.
- Cleared vegetation to enhance clearance specifications along 36.6 circuit miles, which not only exceeded the target for Q1 but also the Q2 target.
- Issued the BVES's "Plan to Address Access and Functional Needs During De-Energization Events" on January 31, 2022.

As previously indicated, the Radford Line Replacement Project, which replaces bare wire with covered conductor and wood poles with fire resistant poles in the High Fire Threat District Tier 3, was delayed by one year due to not receiving approval on the permit to construct by the United States Forest Service ("USFS") in time to start and complete construction before the winter weather season in 2021. BVES has been working closely with the USFS and has made significant progress in satisfying USFS permitting requirements. BVES anticipates possible approval to execute the project starting June 2022. In the interim, BVES will continue to de-energize the Radford Line when load requirements do not require its operation, which is generally from the end of March through November of each year.

### Implementation of BVES's Most Recent Safety Culture Assessment

BVES completed its safety culture assessment in accordance with Resolution WSD-011. BVES staff conducted safety culture assessment surveys during the period of May 12, 2021 to May 26, 2021.

2

On October 27, 2021, OEIS issued the Safety Culture Assessment ("SCA") report to BVES. BVES accepted the report on October 28, 2021 by letter to OEIS. BVES has initiated action to implement the recommendations of the report, which are:

- 1. Embed leadership skills development into the "Engaged Management" 12-month objective to improve the Bear Valley safety culture. Specific training for managers, supervisors and foreman has been scheduled for February 2022 to improve leadership skills in monitoring for job hazards and leading with safety as the primary focus in everything BVES does.
- 2. In collaboration with its vegetation management contractor, BVES develops and implements an action plan to address safety culture issues, in particular regarding the flow of information about wildfire hazard mitigation. In addition, BVES has been working closely with its vegetation management contractor to ensure that the action plan to address safety culture issues are successfully implemented.

### **Safety and Operations Committee**

On February 17, 2022, BVES's Safety and Operations Committee ("Committee") convened. Chairman Paul Marconi briefed the Committee on the following topics:

- Current COVID-19 situation, its impact on employees, and the plan to re-open offices;
- Safety items and performance; the progress in completing the recommendations from of the recent SCA;
- Fire season preparations;
- Performance in achieving targets for the 2021 WMP initiatives; and
- Proposed 2022 WMP initiatives and targets.

Committee discussions focused on the WMP initiative targets achieved in 2021 and the proposed targets for 2022. The Committee discussed the briefed items, asked questions, which Chairman Marconi addressed, and, based on the information briefed, the Committee did not see the need to alter the initiatives or provide additional direction to management.

Chairman Marconi then presented the Committee the 2022 WMP capital improvement associated budget and proposed the Committee support a resolution recommending that the Board approve additional capital expenditures to achieve the 2022 WMP CAPEX budget. The Committee discussed the resolution, and upon motion duly made, seconded and unanimously carried, the Committee approved the resolution.

Chairman Marconi then discussed in detail a proposed Environment, Health and Safety ("EHS") Policy for the Corporation. He then referred the Committee to draft resolutions recommending that the Committee approve the EHS Policy statement. The Committee discussed the resolutions, and upon motion duly made, seconded and

3

unanimously carried, the Committee approved the resolutions. This action formally approved BVES's EHS Policy Statement.

#### **COMPLIANCE**

This advice letter requests approval in compliance with Public Utilities Code Section 8389(e)(7).

#### **ATTACHMENT**

Attachment A: WMP QAL Initiative Report Q1 2022.

#### TIER DESIGNATION

This advice letter is submitted with a Tier 1 INFORMATION ONLY designation.

#### **EFFECTIVE DATE**

BVES respectfully requests this advice letter becomes effective on April 30, 2022.

#### **NOTICE AND PROTESTS**

A protest is a document objecting to the granting in whole or in part of the authority sought in this advice letter. A response is a document that does not object to the authority sought, but nevertheless presents information that the party tendering the response believes would be useful to the CPUC in acting on the request.

A protest must be mailed within 20 days of the date the CPUC accepts the advice letter for filing. The Calendar is available on the CPUC's website at <a href="www.cpuc.ca.gov">www.cpuc.ca.gov</a>.

A protest must state the facts constituting the grounds for the protest, the effect that approval of the advice letter might have on the protestant, and the reasons the protestant believes the advice letter, or a part of it, is not justified. If the protest requests an evidentiary hearing, the protest must state the facts the protestant would present at an evidentiary hearing to support its request for whole or partial denial of the advice letter.

The utility must respond to a protest within five days.

### All protests and responses should be sent to:

California Public Utilities Commission, Energy Division

ATTN: Tariff Unit 505 Van Ness Avenue San Francisco, CA 94102

E-mail: EDTariffUnit@cpuc.ca.gov

Copies should also be mailed to the attention of the Director, Energy Division, Room 4004 (same address above).

Copies of any such protests should be sent to this utility at:

Bear Valley Electric Service, Inc.

ATTN: Nguyen Quan 630 East Foothill Blvd. San Dimas, CA 91773 Fax: 909-394-7427

E-mail: Regulatory Affairs@bvesinc.com

If you have not received a reply to your protest within 10 business days, contact Nguyen Quan at (909) 394-3600 ext. 664.

### **Correspondence:**

Any correspondence regarding this compliance filing should be sent by regular mail or e-mail to the attention of:

Nguyen Quan Manager, Regulatory Affairs Bear Valley Electric Service, Inc. 630 East Foothill Blvd. San Dimas, California 91773 Email: RegulatoryAffairs@bvesinc.com

The protest shall set forth the grounds upon which it is based and shall be submitted expeditiously. There is no restriction on who may file a protest.

Sincerely,

/s/Zeng Zhu Zeng Zhu Rate Analyst, Regulatory Affairs

Franz Cheng, Energy Division R. Mark Pocta, California Public Advocates Office **BVES General Order 96-B Service List** 

#### BEAR VALLEY ELECTRIC SERVICE, INC.

### G.O. 96-B SERVICE LIST

AGNES ROBERTS, FINANCIAL ANALYST AGNES.ROBERTS@BBCCSD.ORG EMAIL ONLY

CITY CLERK CITY OF BIG BEAR LAKE 39707 BIG BEAR BLVD. P.O. BOX 10000 BIG BEAR LAKE, CA 92315

CITY ATTORNEY CITY OF BIG BEAR LAKE 39707 BIG BEAR BLVD. P.O. BOX 10000 BIG BEAR LAKE, CA 92315 COUNTY CLERK COUNTY OF SAN BERNARDINO 385 N. ARROWHEAD AVENUE – 2<sup>ND</sup> FLOOR SAN BERNARDINO, CA 92415-0140

COUNTY COUNSEL COUNTY OF SAN BERNARDINO 385 N. ARROWHEAD AVENUE – 4<sup>TH</sup> FLOOR SAN BERNARDINO, CA 92415-0140 HERSCHEL T. ELKINS
ASST ATTORNEY GENERAL
OFFICE OF THE ATTORNEY GENERAL
STATE OF CALIFORNIA
300 SOUTH SPRING STREET
LOS ANGELES, CA 90013

ERIC JANSSEN
ELLISON, SCHNEIDER & HARRIS LLP
2600 CAPITOL AVE., STE. 400
SACRAMENTO, CA 95816-5905
ERICI@ESLAWFIRM.COM

WADE REESER, VP, OPERATIONS BIG BEAR MOUNTAIN RESORTS P.O. BOX 77, 880 SUMMIT BLVD. BIG BEAR LAKE CA 92315 WREESER@MAMMOTHRESORTS.COM

PETER EICHLER
LIBERTY UTILITIES
2865 BRISTOL CIRCLE
OAKVILLE, ONTARIO L6H 7H7
PETER.EICHLER@LIBERTYUTILITIES.COM

MIKE LONG
CALIFORNIA PACIFIC ELECTRIC CO., LLC
933 ELOISE AVENUE
SOUTH LAKE TAHOE, CA 96150
MIKE.LONG@LIBERTY-ENERGY.COM

RANDLE COMMUNICATIONS
500 CAPITOL MALL, SUITE 1950
SACRAMENTO, CA 95814
MCARDONA@RANDLECOMMUNICATIONS.COM
MGAZDA@RANDLECOMMUNICATIONS.COM

MEGAN SOMOGYI GOODIN, MACBRIDE, SQUERI & DAY, LLP 505 SANSOME STREET, SUITE 900 SAN FRANCISCO, CA 94111 MSOMOGY@GOODINMACBRIDE.COM FRED YANNEY, YANNEY LAW OFFICE 17409 MARQUARDT AVENUE, UNIT C-4 CERRITOS, CA 90703 FREDYANNEY@GMAIL.COM

SOUTHERN CALIFORNIA EDISON CO. P. O. BOX 800 ROSEMEAD, CA 91770

ARLENE HERRERA
OPR COMMUNICATIONS
19318 JESSE LANE, SUITE 200
RIVERSIDE, CA 92508
AHERRERA@OPRUSA.COM

LIBERTY UTILITIES
9750 WASHBURN ROAD
DOWNEY, CA 90241
AdviceLetterService@libertyutilities.com

BRENT TREGASKIS BEAR MOUNTAIN RESORT P O BOX 77 BIG BEAR LAKE, CA 92315

PATRICK O'REILLY OPR COMMUNICATIONS 19318 JESSE LANE, SUITE 200 RIVERSIDE, CA 92508 POREILLY@OPRUSA.COM

NAVAL FACILITIES ENGINEERING COMMAND REA. D. ESTRELLA SOUTHWEST DIVISIONM 1220 PACIFIC HIGHWAY SAN DIEGO, CA 92132 REA.ESTRELLA@NAVY.MIL

# **ATTACHMENT A**

Wildfire Mitigation Plan Quarterly Advice Letter Initiative Report for Q1 2022



# Wildfire Mitigation Plan Quarterly Advice Letter

(now an Information Only Report)
Initiatives Update

Bear Valley Electric Service, Inc.

Q1 2022

# WMP Activity Summary

Not Started Completed/Ongoing Ahead of Plan On Track Off Track Not Currently Scheduled\*

### 7.3.4 - Asset Management & Inspections

Detailed inspections of distribution electric lines and equipment 7.3.4.1

Detailed inspections of transmission electric lines and equipment 7.3.4.2

Improvement of Inspections 7.3.4.3

Infrared inspections of distribution electric lines and equipment 7.3.4.4

Infrared inspections of transmission electric lines and equipment 7.3.4.5

Intrusive Pole Inspections 7.3.4.6 LiDAR inspections of distribution electric lines and equipment 7.3.4.7

LiDAR inspections of transmission electric lines and equipment 7.3.4.8

Other discretionary inspection of distribution electric lines and equipment, beyond inspections mandated by rules and regulations 7.3.4.9

Other discretionary inspection of transmission electric lines and 7.3.4.10

Patrol inspections of distribution electric lines and equipment 7.3.4.11

Patrol inspections of transmission electric lines and equipment 7.3.4.12 Pole loading assessment program to determine safety factor 7.3.4.13

Quality assurance / quality control of inspections 7.3.4.14

Substation inspections 7.3.4.15

### 7.3.6 - Grid Operations & Protocols

Automatic Recloser Operations 7.3.6.1

Protocols for PSPS Re-Energization 7.3.6.5

Protective Crew-Accompanying Ignition
Equipment and Device Settings
7.3.6.2 Resources and Services
7.3.6.3

Personnel Work
Procedures and
Training in Conditions
of Elevated Fire Risk
7.3.6.4

Stationed and On-Call Ignition Prevention and Suppression Resources and Services 7.3.6.7

A Summarized Risk
Map That Shows the
Overall Ignition
Probability and
Estimated Wildfire
Consequence Along
the Electric Lines and
Equipment

7.3.1.1

Climate-Driven Risk Map and Modeling Based on Various

7.3.1 - Risk Assessment & Mapping

Relevant Weather Scenarios 7.3.1.2

Initiative Mapping and Estimation of Wildfire and PSPS Risk-Reduction Impact 7.3.1.4

Ignition Probability Mapping Showing the Probability of Ignition Along the Electric Lines and Equipment 7.3.1.3

Match Drop Simulations Showing the Potential Wildfire Consequence of Ignitions that Occurs Along the Electric Lines and Equipment 7.3.1.5

### 7.3.7 - Data Governance

Centralized Repository for Data 7.3.7.1 Collaborative Research on Utility Ignition and/or Wildfire 7.3.7.2

**PSPS Events** 

and Mitigation

of PSPS Impacts

7.3.6.6

Documentation and
Disclosure of WildfireRelated Data and Algorithms
7.3.7.3

Tracking and Analysis of Near Miss Data 7.3.7.4

# 7.3.10 - Stakeholder Cooperation & Community Outreach

Community Engagement 7.3.10.1 Cooperation and best practice sharing with agencies outside CA 7.3.10.2

Cooperation with suppression agencies 7.3.10.3

Forest service and fuel reduction cooperation and joint roadmap 7.3.10.4

# WMP Activity Summary

7.3.3.8

Pole Loading Infrastructure Hardening and

Replacement Program Based on Pole

**Loading Assessment Program** 

7.3.3.13

7.3.3.7

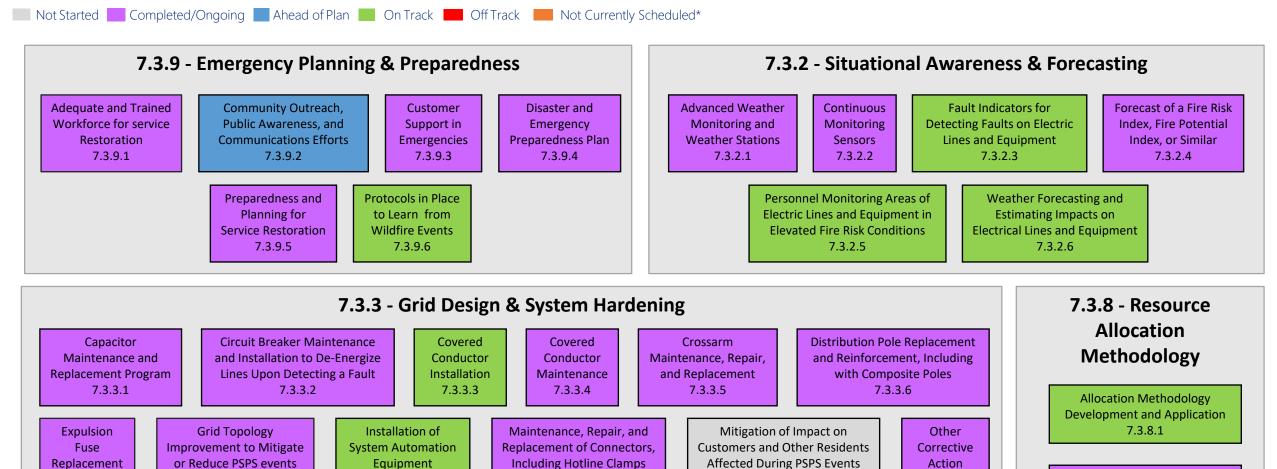
7.3.3.9

Transformers

Maintenance and

Replacement

7.3.3.14



7.3.3.11

Undergrounding of

Electric Lines and/or

Equipment

7.3.3.16

7.3.3.12

**Updates to Grid Topology** 

to Minimize Risk of

Ignition in HFTDs

7.3.3.17

**Risk Reduction Scenario** 

Development and Analysis 7.3.8.2

**Risk Spend Efficiency Analysis** 

7.3.8.3

### (\*) Not Currently Scheduled – BVES included this Status Icon to indicate where an initiative is not currently identified for this WMP cycle, or, that it is not applicable (BVES does not own or operate assets equal to or greater than 65kV).

7.3.3.10

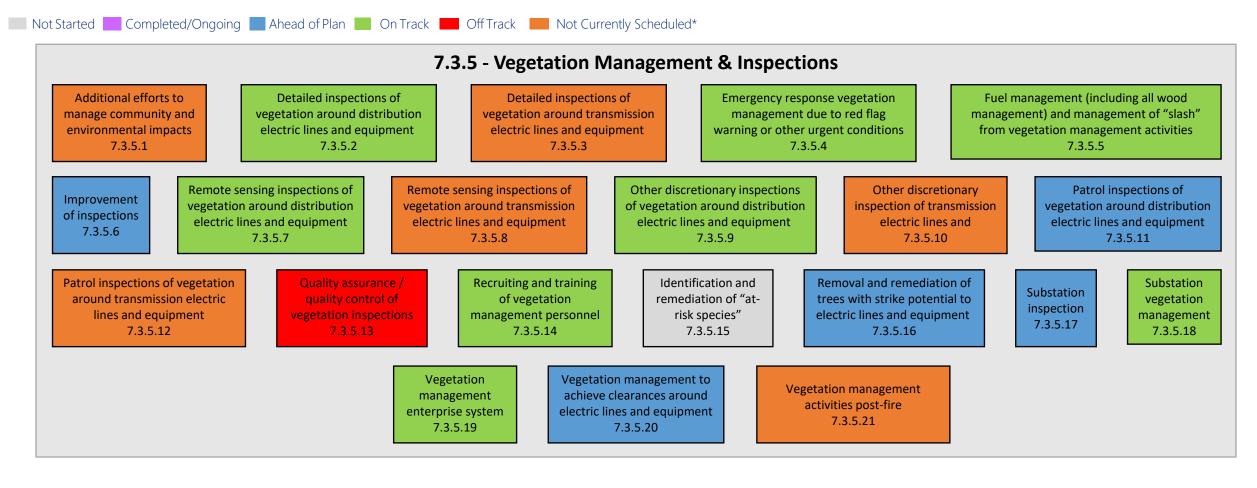
**Transmission Tower** 

Maintenance and

Replacement

7.3.3.15

# WMP Activity Summary



### 7.3.1 - Risk Assessment & Mapping

A Summarized Risk Map That
Shows the Overall Ignition Probability
and Estimated Wildfire Consequence
Along the Electric Lines and
Equipment
7.3.1.1

Ignition Probability & Wildfire Consequence Mapping Project

### **Completed**

Ignition Probability Mapping Showing the Probability of Ignition Along the Electric Lines and Equipment 7.3.1.3

Ignition Probability & Wildfire Consequence Mapping Project

Completed

Climate-Driven Risk Map and
Modeling Based on
Various Relevant
Weather Scenarios
7.3.1.2
Ignition Probability & Wildfire
Consequence Mapping Project
Completed

Match Drop Simulations Showing the Potential Wildfire Consequence of Ignitions that Occurs Along the Electric Lines and Equipment 7.3.1.5

Ignition Probability & Wildfire

**Consequence Mapping Project** 

Completed

Initiative Mapping and Estimation of Wildfire and PSPS Risk-Reduction Impact 7.3.1.4

Ignition Probability & Wildfire Consequence Mapping Project

On Track

### **Contracting with Risk Mapping Resource:**

**2022 Goal:** During 2021 in conjunction with the contracted resource BVES completed its initial Risk Mapping. Due to a lack of historical data the PSPS risk reduction aspect was deferred. For 2022 BVES plans to evaluate the best course of action to add this tool to its Risk Assessment & Mapping program.

**Key Actions:** BVES continues to evaluate the best course of action to add PSPS Risk Reduction mapping to its Risk Assessment & Mapping program.

### 7.3.7 - Data Governance

Centralized Repository for
Data
7.3.7.1
GIS Data Collection &
Sharing

On Track

### **GIS Data Collection & Sharing Improvements:**

BVES continues to work towards a class leading Data Repository. **Key Actions:** BVES continue to work with its contracted experts to update its GIS database as well as develop a more streamlines method for reporting and sharing of information

Tracking and Analysis of
Near Miss Data
7.3.7.4
WMP Metrics Tracking
Ongoing

### **WMP Metrics Tracking:**

BVES has an established program in place and continues to monitor all aspects of the program for compliance. During the period Q1 of 2021 there were no compliance issues identified.

**Key Actions:** BVES recorded necessary metrics for inclusion in quarterly reporting

Not Started Completed/Ongoing Ahead of Plan On Track Off Track Not Currently Scheduled

### 7.3.2 - Situational Awareness & Forecasting

Advanced Weather Monitoring and **Weather Stations** 7.3.2.1 **Situational Awareness Hardware Program** 

Completed

**Continuous Monitoring Sensors** 

7.3.2.2

#### Revised Schedule for 2021 Planned Deployment & **Additional Installation:**

Volume vs 2022 Goal: BVES does not have any planned weather stations for 2022.

**Key Actions:** BVES continues to evaluate the needed for future weathers stations in its operating territory.

**Situational Awareness Hardware Program:** Volume vs 2022 Goal: BVES does not have any planned HD

Cameras for 2022.

Situational Awareness Hardware Program Completed

**Key Actions:** BVES continues to evaluate the needed for future HD Cameras in its operating territory.

**Fault Indicators for Detecting Faults** on Electric Lines and Equipment 7.3.2.3

**Situational Awareness Hardware** Program On Track

#### **Situational Awareness Hardware Program:**

Volume vs Q1 2022 Goal: BVES is scheduled to begin this program in Q3 with a target of 50 fault indicator instillations in

**Key Actions:** Currently on track to begin work.

Forecast of a Fire Risk Index. Fire Potential Index. or Similar 7.3.2.4

Weather Consultant / Risk Mapping

Electric Lines and Equipment in

**Elevated Fire Risk Conditions** 

7.3.2.5

**Grid Operations & Protocols** 

No High-Risk Events

Occurred

Completed

#### **Contracting with Risk Mapping Resource:**

**Volume vs 2022 Goal:** During 2021 in conjunction with the contracted resource BVES completed its initial Risk Mapping.

**Key Actions:** BVES continues to evaluate the need for future improvements to the designed system.

#### **Grid Operations & Protocol:** Personnel Monitoring Areas of

**Volume vs 2022 Goal:** BVES has established a resource allocation level for the instance where a high fire risk condition occurs.

**Key Actions:** BVES currently has the resource pool available to combat high fire risk conditions in its operating area.

Weather Forecasting and **Estimating Impacts on Electrical** Lines and Equipment 7.3.2.6

**Weather Consultant** 

**Support Requirement** Met

### **Weather Consultant for Weekly Reporting:**

2022 Goal: BVES currently has a weather consultant on payroll who supports the weather forecasting and analysis necessary.

**Key Actions:** Additional task for quarterly aggregation of High Wind Warning and Red Flag Warning accounts to support Quarterly Data Reports.

## 7.3.3 - Grid Design & System Hardening

Covered Conductor Installation 7.3.3.3.1 Covered Conductor

Replacement Program

Ahead of Plan

Covered Conductor Installation 7.3.3.3.2

Covered Conductor Replacement Program -Radford

On Track

and Reinforcement, Including
with Composite Poles
7.3.3.6.1
Distribution Pole
Replacement and
Reinforcement – GO 95
Projects

**Distribution Pole Replacement** 

**Covered Conductor Replacement Program:** 

**Volume vs Q1 2022 Goal:** BVES planned to complete 0 circuit miles in Q1. BVES was able to complete 2.3 circuit miles. The target for 2022 is 12.9 circuit miles.

**Key Actions:** BVES was able to complete 2.3 circuit miles of covered conductor instillation. This puts this initiative ahead of schedule.

**Covered Conductor Replacement Program - Radford:** 

**Volume vs Q1 2022 Goal:** BVES planned to complete 0 circuit miles of covered conductor in Q1. The target for 2022 is 2.7 circuit miles.

**Key Actions:** The project is still on track to hit its target of 2.7 circuit miles in 2022

<u>Distribution Pole Replacement and Reinforcement – GO</u> 95 Projects:

**Volume vs 2022 Goal:** There are no current targets for this initiative in 2022

**Key Actions:** Initiative targets will be evaluated for future calendar years

Distribution Pole Replacement and Reinforcement, Including with Composite Poles 7.3.3.6.2

Covered Conductor Project – Radford Line **Covered Conductor Project – Radford Line:** 

**Volume vs 2022 Goal:** There are no current targets for this initiative in 2022

**Key Actions:** Initiative targets will be evaluated for future calendar years

Other Corrective Action 7.3.3.12.1 Tree Attachment

**Removal Program** 

**Completion Toward 80 Attachment Removals for the Year:** 

**Volume vs Q1 2022 Goal:** BVES planned to remove 0 tree attachments in Q1 of 2022. No tree attachments were removed in Q1 of 2022.

**Key Actions:** BVES plans to remove all 80 tree attachments planned for 2022 in Q4 due to a variety of constraints.

Other Corrective Action 7.3.3.12.2 Evacuation Route

Hardening
Ahead of Plan

**Evacuation Route Hardening:** 

**Volume vs Q1 2022 Goal:** BVES planned to harden 350 poles in Q1 as part of its Evacuation Route Hardening Program. 412 wood poles were hardening with a wire mesh protective coating.

**Key Actions:** BVES was able to meet its 2022 Goal of 412 poles hardened in O1 of 2022.

Distribution Pole Replacement and Reinforcement, Including with Composite Poles 7.3.3.6.3

Evacuation Route Hardening-Pilot **2020 Completed Route Hardening Pilot:** 

**Volume vs 2022 Goal:** The BVES does not have an established goal for this pilot as it was completed in 2020.

Distribution Pole Replacement and Reinforcement, Including with Composite Poles 7.3.3.6.4 Evacuation Route Hardening

Ahead of Plan

**Evacuation Route Hardening:** 

**Volume vs Q1 2022 Goal:** BVES planned to harden 350 poles in Q1 as part of its Evacuation Route Hardening Program. 412 wood poles were hardening with a wire mesh protective coating.

**Key Actions:** BVES was able to meet its 2022 Goal of 412 poles

hardened in Q1 of 2022.



# 7.3.3 - Grid Design & System Hardening

Expulsive Fuse Replacement 7.3.3.7

Fuse Replacement Program

O Remaining

Mitigation of Impact on Customers and Other Residents Affected During PSPS Events 7.3.3.11.1

Energy Storage Project
Planned

Installation of System Automation Equipment 7.3.3.9.1

**Grid Automation Program** 

Installation of System Automation Equipment 7.3.3.9.2

Grid Automation Program // FLISR

Installation of System Automation Equipment 7.3.3.9.3

Grid Automation Program //
Fuse Trip Saver

#### **0 Conventional Fuses Remaining:**

**Volume vs 2022 Goal:** There are no current targets for this initiative in 2022

**Key Actions:** This initiative was completed in 2021.

# 8 MW/ 4 MWh Energy Storage Facility Planned in 2023:

**2022 Goal:** Seek siting location and work on associated agreements

**Key Actions:** BVES is still in the process of siting the

storage device

#### **Grid Automation:**

**Volume vs Q1 2022 Goal:** BVES planned to connect 0 substations to SCADA in Q1 of 2022. BVES plans to have 2 substations connected to SCADA by the end of 2022. **Key Actions:** The initiative is on track to meet its target in 2022

#### **Grid Automation FLISR Project:**

**Volume vs 2022 Goal:** There are no activities planned for this initiative in 2022

**Key Actions:** This project/program will begin in 2023

#### **Grid Automation Fuse Trip Saver Project:**

**Volume vs 2022 Goal:** There are no activities planned for

this initiative in 2022

**Key Actions:** This project/program will begin in 2023

Grid Topology Improvement to Mitigate or Reduce PSPS events 7.3.3.8

Grid Topology Improvements

Completed

Mitigation of Impact on Customers and Other Residents Affected During PSPS Events 7.3.3.11.2

BVPP Phase 4 Upgrade Project
Planned

### **Grid Topology Improvements - Completed:**

**Volume vs Goal:** BVES will install sectionalizing devices as the need is determined. Currently, zero are planned in 2022. **Key Actions:** No actions were taken for this initiative in Q1 of

2022.

#### 8 MW/ 4 MWh Energy Storage Facility Planned in 2023:

**2022 Goal:** Seek siting location and work on associated agreements

**Key Actions:** BVES is still in the process of siting the storage device

Updates to Grid Topology to Minimize Risk of Ignition in HFTDs 7.3.3.17

Grid Topology Improvements

Completed

### **Grid Topology Improvements - Completed:**

**Volume vs Goal:** BVES will install sectionalizing devices as the need is determined. Currently, zero are planned in 2022. **Key Actions:** No actions were taken for this initiative in Q1 of 2022.

Pole Loading Infrastructure
Hardening and Replacement
Program Based on Pole Loading
Assessment Program
7.3.3.13

Pole Loading & Replacement
Program
30 Poles Assessed

### **Pole Assessment Program:**

**Volume vs Q1 2022 Goal:** The goal for Q1 was to assess an additional 30 poles as part of the assessment process. BVES has currently assessed 30 of its targeted 165 poles for 2022.

**Key Actions:** 30 poles were assessed in Q1. BVES met its goal of 10 poles assessed by assessing 30 poles in Q1 2022.

### 7.3.3 - Grid Design & System Hardening Initiatives

Capacitor Maintenance and Replacement Program 7.3.3.1

**Complete / Ongoing** 

Crossarm Maintenance, Repair, and Replacement 7.3.3.5

**Complete / Ongoing** 

Circuit Breaker Maintenance and Installation to De-Energize Lines Upon Detecting a Fault 7.3.3.2

**Complete / Ongoing** 

Maintenance, Repair, and Replacement of Connectors, Including Hotline Clamps 7.3.3.10

**Complete / Ongoing** 

Covered Conductor Maintenance 7.3.3.4

**Complete / Ongoing** 

Transformers Maintenance and Replacement 7.3.3.14

**Complete / Ongoing** 

#### **BVES Maintenance Best Practice:**

The following Grid Design and System Hardening initiatives are covered under ongoing maintenance of sub-transmission and distribution facilities and are not separated as unique WMP initiatives.

## 7.3.10 - Stakeholder Cooperation & Community Outreach

Community engagement

7.3.10.1

Community Outreach Program

**Exceeded Targets** 

**Community Outreach Program:** 

**Volume vs Q1 2022 Goal:** BVES had planned to conducted at minimum 90 outreach activities. BVES recorded 141 outreach activities 157% of target for Q1.

**Key Actions:** Grizzly Newspaper advertisements are posted during the week (M-F) for either WMP or PSPS and BVES will have 1 advertisement broadcasted each month.

Cooperation with suppression agencies 7.3.10.3

**Coordination On Track** 

**Cooperation with suppression agencies:** 

**Volume vs 2022 Goal:** BVES does not currently participate in cooperation with suppression agencies. BVES plans to have discussion with suppression agencies and determine if there are additional actions that can be taken to improve their program. **Key Actions:** BVES established plans to engage in coordination efforts based on PSPS activations, which will include suppression agencies.

Cooperation and best practice sharing with agencies outside CA 7.3.10.2

**Planned** 

**Cooperation and sharing with agencies outside CA:** 

**Volume vs 2022 Goal:** Currently BVES does not participate in cooperation and best practice sharing with agencies outside of CA. BVES plans to have discussion with other agencies within CA to determine how they are approaching this initiative. **Key Actions:** No actions have currently been taken

Forest service and fuel reduction cooperation and joint roadmap 7.3.10.4

Planned

**Cooperation with forest service and fuel reduction:** 

**Volume vs 2022 Goal:** Currently BVES does not participate in forest service and fuel reduction cooperation and joint roadmap programs. BVES plans to have discussions with their forest service contacts to determine the applicability of these programs to improve their overall program.

**Key Actions:** No actions have currently been taken

Not Started Completed/Ongoing Ahead of Plan On Track Off Track

### 7.3.4 - Asset Management & Inspection

Detailed inspections of distribution electric lines and equipment 7.3.4.1

Detailed Inspection Program
On Track

Infrared inspections of distribution electric lines and equipment 7.3.4.4

UAV Thermography Program
On Track

Intrusive Pole Inspections
7.3.4.6
Intrusive Pole Inspection Program
On Track

LiDAR inspections of distribution electric lines and equipment 7.3.4.7

**LiDAR Inspection Program** 

On Track

**Detailed Inspection Activities** 

**Volume vs Q1 2022 Goal:** BVES set a target of 0 circuit miles by end of Q1. BVES plans to conduct 29 circuit miles of inspection in 2022.

**Key Actions:** No actions for this initiative were taken in Q1 of 2022.

**UAV Inspection Activities** 

**Volume vs Q1 2022 Goal:** Zero circuit miles were scheduled for Q1 of 2022.

**Key Actions:** BVES plans to complete 211 circuit miles, which would fulfil the goal of conducting infrared inspections of the entire system annually

**Intrusive Pole Inspections** 

**Volume vs Q1 2022 Goal:** Zero intrusive pole inspections were scheduled for Q1 of 2022. BVES plans to assess 850 poles in 2022. **Key Actions:** No actions for this initiative were taken in Q1 of 2022.

**LiDAR Inspection Activities** 

**Volume vs Q1 2022 Goal:** Zero circuit miles were scheduled for Q1 of 2022.

**Key Actions:** BVES plans to complete 211 circuit miles, which would fulfil the goal of conducting infrared inspections of the entire system annually

Other discretionary inspection of distribution electric lines and equipment, beyond inspections mandated by rules and regulations 7.3.4.9.1

**Third Party Ground Patrol** 

On Track

**Contracted Third Party Inspection** 

**Volume vs Q1 2022 Goal:** Zero circuit miles were scheduled for Q1 of 2022.

**Key Actions:** BVES plans to complete 211 circuit miles, which would fulfil the goal of conducting infrared inspections of the entire system annually

Other discretionary inspection of distribution electric lines and equipment, beyond inspections mandated by rules and regulations
7.3.4.9.2

UAV HD Photography/Video Program

On Track

**UAV HD Photography/Video Program** 

**Volume vs Q1 2022 Goal:** Zero circuit miles were scheduled for Q1 of 2022.

**Key Actions:** BVES plans to complete 211 circuit miles, which would fulfil the goal of conducting infrared inspections of the entire system annually

Improvement of Inspections 7.3.4.3

**Ongoing Effort** 

**Improvement of Inspections:** 

**Key Actions:** BVES is always trying to optimize its inspections and is open to changes/adaptations leading to a better process.

### 7.3.4 - Asset Management & Inspection

Patrol inspections of distribution electric lines and equipment 7.3.4.11

**Patrol Inspection Program Ahead of Plan** 

Pole loading assessment program to determine safety factor 7.3.4.13

**Pole Loading & Replacement** Program

**Ahead of Plan** 

Quality assurance / quality control of inspections 7.3.4.14

**Quality Control of Inspections Planned** 

**Patrol Inspection within the Service Area** 

Volume vs Q1 2022 Goal: BVES targeted 25 circuit miles inspected in Q1 2022. BVES was able to conduct 83.2 circuit miles of inspection in Q1 2022.

**Key Actions:** BVES plans to inspect 211 circuit miles in 2022.

**Pole Loading & Replacement** 

Volume vs Q1 2022 Goal: BVES targeted 0 pole assessments in Q1 2022. BVES was able to conduct 27 pole assessments in Q1 2022.

**Key Actions:** BVES plans to conduct 225 pole assessments in 2022.

**Quality Control for Electrical Inspections Program** 

Volume vs Goal: BVES has not yet established quantitative or qualitative targets for the planned quality control program and therefore, have no quarterly units to report in the Quarterly Advice Letter.

**Key Actions:** Currently on track to discuss framework for formal controls development for internal and third-party inspection patrols.

Volume vs Q1 2022 Goal: BVES targeted 36 substation inspections in Q1 2022. BVES was able to complete 39 substation inspections in Q1 2022.

Key Actions: BVES plans to conduct 36 substation inspections per quarter with an annual target of 144 substation inspections.

**Substations Inspected** 

**Ahead of Plan** 

**Substation inspections** 

7.3.4.15

**GO-174 Substation Inspection Program** 

Not Started Completed/Ongoing Ahead of Plan On Track Off Track







### 7.3.5 - Vegetation Management & Inspection

**Detailed inspections and** management practices for vegetation clearances around distribution electrical lines and equipment 7.3.5.2 **Detailed Inspection Program** 

On Track

Emergency response

vegetation management

due to red flag warning or

other urgent conditions 7.3.5.4

**Emergency Preparedness** 

& Response Program

#### **Detailed Inspection Activities:**

Volume vs Q1 2022 Goal: BVES set a target of 0 circuit miles by end

**Emergency Preparedness and Response Program:** Volume vs Goal: BVES did not record an emergency in Q1 of 2022. This

means that the use of the Emergency Preparedness & Response Program was not required.

Improvement of inspections 7.3.5.6

**Quality Control of Inspections** 

Identification and

remediation of "at-risk

species"

7.3.5.15

**Planned** 

**Key Actions:** BVES and its contractors account for at risk species when doing field work and evaluation. Cycle Breaker vegetation is are an example of what may be recorded. Remediation as a separate initiative is considered for the future with no set program/project at this time.

Volume vs Q1 2022 Goal: One vegetation management audit was planned

for Q1 2022. BVES was able to complete 2 vegetation management audits

Key Actions: BVES plans to conduct one audit per quarter with an annual

of Q1. BVES plans to conduct 29 circuit miles of inspection in 2022. Key Actions: No actions for this initiative were taken in Q1 of 2022. Remote sensing inspections of vegetation around distribution electric lines and equipment 7.3.5.7

**LiDAR Inspection Program** 

**LiDAR Inspection Activities** 

Volume vs Q1 2022 Goal: Zero circuit miles were scheduled for O1 of 2022.

Key Actions: BVES plans to complete 211 circuit miles, which would fulfil the goal of conducting infrared inspections of the entire system annually

Other discretionary inspections of vegetation around distribution electric lines and equipment 7.3.5.9.1

**Third Party Ground Patrol** 

**Contracted Third Party Inspection** 

Volume vs Q1 2022 Goal: Zero circuit miles were scheduled for O1 of 2022.

Key Actions: BVES plans to complete 211 circuit miles, which would fulfil the goal of conducting infrared inspections of the entire system annually

Other discretionary inspections of vegetation around distribution electric lines and equipment 7.3.5.9.2

**UAV HD** Photography/Video **Program** 

Patrol inspections of

vegetation around

distribution electric lines

and equipment

7.3.5.11

**Patrol Inspection Program** 

**UAV HD Photography/Video Program** 

Volume vs Q1 2022 Goal: Zero circuit miles were scheduled for O1 of 2022.

**Key Actions:** BVES plans to complete 211 circuit miles, which would fulfil the goal of conducting infrared inspections of the entire system annually

target of 4 vegetation management audits in 2022.

Improvement of Inspections:

in Q1 2022.

**Remediation of At-Risk Species:** 

**Patrol Inspection within the Service Area** 

Volume vs Q1 2022 Goal: BVES targeted 25 circuit miles inspected in Q1 2022. BVES was able to conduct 83.2 circuit miles of inspection in Q1 2022.

**Key Actions:** BVES plans to inspect 211 circuit miles in 2022.

Not Started Completed/Ongoing Ahead of Plan On Track Off Track

### 7.3.5 - Vegetation Management & Inspection

Quality assurance / quality control of vegetation inspections 7.3.5.13

Quality Control of Inspections

16 OC Reviews

Recruiting and training of vegetation management personnel 7.3.5.14

Vegetation Management Program
Staffing
Met Targets

Removal and remediation of trees with strike potential to electric lines and equipment 7.3.5.16

**Enhanced Vegetation Management Program** 

Fuel management (including all wood management) and management of "slash" from vegetation management activities
7.3.5.5

Enhanced Vegetation Management
Program
Contractor Moots

Contractor Meets Requirements

#### **Quality Control for Electrical Inspections Program**

**Volume vs Q1 2022 Goal:** BVES planned to conduct 18 quality controls reviews in Q1 2022. BVES was able to conduct 16 quality control reviews in Q1 2022.

**Key Actions:** BVES plans to conduct 18 quality control reviews per quarter with an annual target of 72 quality control reviews in 2022.

#### **Resource Allocation & Training:**

BVES has an established program in place and continues to monitor all aspects of the program for compliance. During the period Q4 of 2021, there were no compliance issues identified. **Key Actions:** BVES reviewed staffing program and methodology

#### **Mid-Year Detailed Inspection Activities**

**Volume vs Q1 2022 Goal:** BVES planned to remove/remediate 18 hazardous trees in Q1 2022. BVES was able to remove/remediate 20 hazardous trees in Q1 2022.

**Key Actions:** BVES plans to clear 18 circuit miles per quarter with an annual target of 72 circuit miles cleared in 2022.

#### **Enhanced VM Program Inspection**

**Key Actions:** This is a contractor lead initiative. Following the monthly substation inspections identified vegetation concerns and their associated waste are removed by the contractor per the contract. At which point BVES is notified, and the inspection and removal is logged.

Substation inspection 7.3.5.17

**GO-174 Substation Inspection Program** 

Inspected & Cleared Vegetation

Substation vegetation management 7.3.5.18

Substation Vegetation
Management Inspections &
Corrections

#### **Substations Inspected**

**Volume vs Q1 2022 Goal:** BVES planned to inspect 36 substations in Q1 2022. BVES was able to clear 39 substations in Q1 2022.

**Key Actions:** BVES plans to inspect 36 substations per quarter with an annual target of 144 circuit miles cleared in 2022.

#### **Substation Inspection**

**Key Actions:** This is a contractor lead initiative. Following the monthly substation inspections identified vegetation concerns and their associated waste are removed by the contractor per the contract. At which point BVES is notified, and the inspection and removal is logged.

Vegetation management enterprise system 7.3.5.19

GIS Data Collection & Sharing
Trimmed Trees Logged

#### **GIS Data Collection & Sharing:**

**Volume vs 2022 Goals:** BVES continues to work towards a class leading Data Repository.

**Key Actions:** BVES continue to work with its contracted experts to update its GIS database as well as develop a more streamlines method for reporting and sharing of information.

Vegetation management to achieve clearances around electric lines and equipment 7.3.5.20

**Enhanced Vegetation Management Program** 

#### **Circuit Miles Cleared:**

**Volume vs Q1 2022 Goals:** BVES planned to clear 18 circuit miles in Q1 2022. BVES was able to clear 36.6 circuit miles in Q1 2022.

**Key Actions:** BVES plans to clear 18 circuit miles per quarter with an annual target of 72 circuit miles cleared in 2022.

# 7.3.6 - Grid Operations & Operating Protocols

Automatic Recloser Operations 7.3.6.1 **Grid Automation Program** 

Completed

#### Fault Interrupters – IntelliRupters Pulsing Auto Reclosers – Completed Cycle Work:

**Volume vs Goal:** BVES plans to install S&C's Pulse Closer Fault Interrupters across its major 34 kV system auto-reclosers that was completed in 2020. BVES has installed Fault Indicators (Fls) at key locations to reduce the time it takes to locate faults, thereby reducing the time to isolate faults from the system or correcting the damage. Prior to the start of the program, BVES had 110 Fls installed in its system at key locations. As part of the WMP, BVES will install an additional 117 Fls at 39 key locations to provide optimal Fl coverage in the system in 2022.

Key Actions: BVES has completed the effort as identified within this WMP cycle.

Protective equipment and device settings 7.3.6.2

Protective Equipment and
Device Settings

### **Protective Equipment and Device Settings:**

**Key Actions:** All protective device settings are logged and controlled by Engineering. The settings are set based on coordination studies.

Crew-Accompanying Ignition
Prevention and Suppression
Resources and Services
7.3.6.3
Emergency Preparedness &

Response Program

**No Emergency Events** 

Stationed and On-Call Ignition
Prevention and Suppression
Resources and Services
7.3.6.7

Emergency Preparedness & Response Program

**Ongoing** 

### **Emergency Preparedness & Response Program:**

BVES has an established program in place. BVES continues to monitor all aspects of the program for compliance. During the period Q1 of 2022, there were no emergency events that would require the use of said program.

**Key Actions:** There were no key actions related to this program in Q1 of 2022.

Personnel Work Procedures and Training in Conditions of Elevated Fire Risk 7.3.6.4

PSPS Program & Procedures
Ongoing

Protocols for PSPS Re-Energization 7.3.6.5 PSPS Program & Procedures

**Established** 

PSPS Events and Mitigation of
PSPS Impacts
7.3.6.6

PSPS Program & Procedures

O PSPS Events

#### **PSPS Program & Procedure:**

BVES has an established program and procedures in place. BVES continues to monitor all aspects of the program for compliance. During the period Q1 of 2022 there were no PSPS events that would require the use of said program.

**Key Actions:** There were no key actions related to the Program as there were no PSPS events.

Not Started Completed/Ongoing Ahead of Plan On Track Off Track

### 7.3.9 - Emergency Planning & Preparedness

Adequate and Trained Workforce for Service Restoration 7.3.9.1 **Resource Allocation** Methodology

#### **Resource Allocation Methodology:**

BVES has an established program in place and continues to monitor all aspects of the program for compliance. During the period Q1 of 2022, there were no compliance issues identified.

**Key Actions:** Staffing for service restoration was reviewed and declared adequate. In the instance of a service restoration event BVES will review the results and re-evaluate staffing if necessary.

Community Outreach, Public Awareness, and **Communications Efforts** 7.3.9.2

Completed

**Community Outreach Program** 

**Targets Exceeded** 

### **Community Outreach Program:**

Volume vs Q1 2022 Goal: BVES had planned to conduct 90 outreach activities at minimum. BVES recorded 141 outreach activities 157% of target for

**Key Actions:** BVES exceeded its outreach targets in Q1 at 157% of the established target. BVES continues to establish coordination and communication events as pre-season PSPS planning takes place.

**Disaster and Emergency** Preparedness Plan 7.3.9.4 **Emergency Preparedness** & Response Program

**Established** 

**Customer Support in Emergencies** 7.3.9.3 **Emergency Preparedness** 

& Response Program

**Established** 

Protocols in Place to Learn from Wildfire Events 7.3.9.6 **Emergency Preparedness** & Response Program **In Progress** 

Preparedness and Planning

for Service Restoration

7.3.9.5

**Emergency Preparedness** 

& Response Program

**Ongoing** 

### **Emergency Preparedness and Response** Program:

Volume vs Q1 2022 Goal: BVES did not record an emergency in Q1 of 2022. This means that the use of the Emergency Preparedness & Response Program was not required.

### 7.3.8 - Resource Allocation Methodology

Allocation Methodology Development and **Application** 7.3.8.1 **Resource Allocation** 

Methodology

**Program In Process** 

**Resource Allocation Methodology [Primary]:** BVES has an established program in place and continues to monitor all aspects of the program for additional staff. During the period Q1 of 2022, there were no gap issues identified.

**Key Actions:** BVES routinely reviewed staffing program needs.

Risk Reduction Scenario **Development and Analysis** 7.3.8.2

**Ignition Probability & Wildfire Consequence Mapping** 

Completed

#### **Contracting with Risk Mapping Resource**

2022 Goal: During 2021 in conjunction with the contracted resource BVES completed its initial Risk Mapping. Due to a lack of historical data, the PSPS risk reduction aspect was deferred. For 2022, BVES plans to contract with Technosylva to develop real-time fire modeling capabilities.

**Key Actions:** BVES continues to evaluate the best course of action to add PSPS Risk Reduction mapping and has engaged a contractor for additional modeling support.

**Risk Spend Efficiency Analysis** 7.3.8.3 **Ignition Probability & Wildfire Consequence** Mapping In Progress

**Contracting with Risk Mapping Resource** 

2022 Goal: During 2021 in conjunction with the contracted resource BVES completed its initial Risk Mapping. Due to a lack of historical data the PSPS risk reduction aspect was deferred. For 2022 BVES plans to evaluate the best course of action to add this tool to its Risk Assessment & Mapping program.

**Key Actions:** BVES continues to evaluate the best course of action to add PSPS Risk Reduction mapping to its Risk Assessment & Mapping program.