



# ADVICE LETTER SUMMARY

## ENERGY UTILITY



MUST BE COMPLETED BY UTILITY (Attach additional pages as needed)

Company name/CPUC Utility No.: Bear Valley Electric Service, Inc (913-E)

Utility type:

- ELC       GAS       WATER  
 PLC       HEAT

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) #: 429-E

Tier Designation: 1 INFORMATION ONLY

Subject of AL: Q3 2021 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:

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Does AL replace a withdrawn or rejected AL?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: No

Summarize differences between the AL and the prior withdrawn or rejected AL:

Confidential treatment requested?  Yes  No

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: 11/1/21

No. of tariff sheets: 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:

<sup>1</sup>Discuss in AL if more space is needed.

**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](mailto: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](mailto:RegulatoryAffairs@bvesinc.com); [nquan@gswater.com](mailto:nquan@gswater.com)

Name: Zeng Zhu  
Title: Rate Analyst  
Utility Name: Bear Valley Electric Service, Inc  
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Bear Valley Electric Service, Inc.  
P.O. Box 9028  
San Dimas, CA 91773-9028  
A Subsidiary of American States Water Company

November 1, 2021

Advice Letter No. 429-E

(U 913 E)

## California Public Utilities Commission

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

**SUBJECT:** *Q3 2021 BVES Quarterly WMP Safety Report Pursuant to Public Utilities Code Section 8389(e)(7)*

### **PURPOSE**

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

Statutory provision require 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 2021 Q3 WMP activities, recorded Safety Committee meetings, and recommendations of the most recent safety culture assessment.

This notification is BVES's third quarterly filing for calendar year 2021.

### **BACKGROUND**

Governor Newsom signed 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 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 Commission on safety issues, and file quarterly notifications as described above.

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

To support continued 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 templated and standardized by the OEIS. Through quantitative and qualitative unit measurements, BVES details progress updates in a summary presentation included at the end of this AL. The quarterly initiative summary presentation includes information submitted to the OEIS under the Quarterly Initiative Update (“QIU”) and the Quarterly Data Report (“QDR”) filings for Q3 2021.

In Attachment A, BVES provides an initiative summary of progress for individual mitigation measures within the third quarter of 2021.

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

BVES completed the fuse replacement project in May 2021, which eliminated all expulsion (conventional) fuses from the BVES system. In total, 3,114 expulsion fuses were replaced by 2,578 current limiting fuses and 536 electronic fuses. By completing the project in May, BVES was ready for the monsoon season, which generally includes numerous lightning strikes that may actuate fuses.

BVES achieved its 2021 target of hardening 400 poles along evacuation routes to the Big Bear Lake area in June 2021. The target was achieved by installing fire resistant wire mesh on the 400 poles. This puts BVES on schedule to have all of its evacuation routes hardened by 2022.

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, has been delayed by one year due to the failure to approve the permit to construct by the United States Forest Service (“USFS”) in time to start and complete construction before the winter weather season this year. BVES has worked closely with the USFS and anticipates approval in time to execute the project starting April 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 each year.

BVES continued to make steady progress in its covered conductor program. As of Q3 2021 BVES had installed 9.0 circuit miles of covered conductor. The overall target for 2021 is 12.9 circuit miles.

### **Implementation of BVES’s Most Recent Safety Culture Assessment**

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

On October 19, 2021 OEIS forwarded the draft Safety Culture Assessment report to BVES. BVES accepted draft report and will be initiating 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.
2. In collaboration with Bear Valley’s vegetation management contractor, develop and implement an action plan to address safety culture issues, in particular regarding the flow of information about wildfire hazard mitigation.

### **Safety & Operations Committee Meeting**

The BVES Safety and Operations Committee met on August 12, 2021. At that time, Chairman Paul Marconi (BVES President, Treasurer, Secretary, and Safety & Operations Committee Chairman) briefed the Committee on current safety items at BVES including an update on COVID-19 mitigation measures and the plan to re-open offices, safety performance, Public Safety Power Shut-offs (PSPS), Independent Evaluator Report on compliance with the 2020 Wildfire Mitigation Plan (WMP), and the status of 2021 WMP initiatives. Chairman Marconi discussed WMP initiative accomplishments relative to targets adopted in the 2021 WMP. He also noted that based on an internal wildfire risk model, the risk of utility-caused wildfires had been reduced by approximately 14 percent since January 1, 2020. Chairman Marconi then provided the preliminary results of a new wildfire ignition risk model being developed by an expert consultant specific to the Corporation’s service territory and electric facilities. The results depicted the consequence of ignitions along the Corporation’s electric facilities with respect to wildfire size and structure damage. The Committee discussed the briefed items, asked questions, which Mr. 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.

The Committee then considered a resolution to recommend that the Board of Directors increase the capital budget for the WMP Fuse Upgrade Project. After discussion and consideration of alternatives, the Committee approved the resolution.

Mr. Brian K. Switzer (Vice President - Regulatory Affairs of GSWC) provided the Committee an update on the status of BVES’s Safety Certification and the renewal process. He described the conditions required by statute that the Company must meet in order to renew its Safety Certification. He also described the requirements that the Corporation’s Executive Compensation Incentive Plan must meet in order to obtain approval by the Office of Energy Infrastructure Safety (“OEIS”, formerly Wildfire Safety Division). OEIS’s approval of the Executive Compensation Incentive Plan is one of six elements required for obtaining renewal of BVES’s Safety Certification. The Committee discussed the Safety Certification renewal process, asked questions, which Mr. Switzer addressed, and, based on the information briefed, the Committee did not see the need to alter the actions being taken to renew BVES’s Safety Certification.

**COMPLIANCE**

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

**ATTACHMENT**

Attachment A: WMP QAL Initiative Report Q3 2021.

**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 November 11, 2021.

**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 [www.cpuc.ca.gov](http://www.cpuc.ca.gov).

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](mailto: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: [RegulatoryAffairs@bvesinc.com](mailto:RegulatoryAffairs@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](mailto: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

cc: Edward Randolph, Deputy Executive Director, Energy Division  
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**

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# **ATTACHMENT A**

**Wildfire Mitigation Plan  
Quarterly Advice Letter Initiative Report for  
Q3 2021**



# **Wildfire Mitigation Plan Quarterly Advice Letter**

**(now an Information Only Report)**

## **Initiatives Update**

**Bear Valley Electric Service, Inc.**

***Q3 2021***

# WMP Activity Summary

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

## 5.3.4 - Asset Management & Inspections

Detailed inspections of distribution electric lines and equipment 5.3.4.1	Detailed inspections of transmission electric lines and equipment 5.3.4.2	Improvement of Inspections 5.3.4.3	Infrared inspections of distribution electric lines and equipment 5.3.4.4	Infrared inspections of transmission electric lines and equipment 5.3.4.5	Intrusive Pole Inspections 5.3.4.6	LiDAR inspections of distribution electric lines and equipment 5.3.4.7	LiDAR inspections of transmission electric lines and equipment 5.3.4.8
Other discretionary inspection of distribution electric lines and equipment, beyond inspections mandated by rules and regulations 5.3.4.9	Other discretionary inspection of transmission electric lines and 5.3.4.10	Patrol inspections of distribution electric lines and equipment 5.3.4.11	Patrol inspections of transmission electric lines and equipment 5.3.4.12	Pole loading assessment program to determine safety factor 5.3.4.13	Quality assurance / quality control of inspections 5.3.4.14	Substation inspections 5.3.4.15	

## 5.3.6 - Grid Operations & Protocols

Automatic Recloser Operations 5.3.6.1	Crew-Accompanying Ignition Prevention and Suppression Resources and Services 5.3.6.2	Personnel Work Procedures and Training in Conditions of Elevated Fire Risk 5.3.6.3
Protocols for PSPS Re-Energization 5.3.6.4	PSPS Events and Mitigation of PSPS Impacts 5.3.6.5	Stationed and On-Call Ignition Prevention and Suppression Resources and Services 5.3.6.6

## 5.3.1 - Risk Assessment & Mapping

A Summarized Risk Map That Shows the Overall Ignition Probability and Estimated Wildfire Consequence Along the Electric Lines and Equipment 5.3.1.1	Climate-Driven Risk Map and Modeling Based on Various Relevant Weather Scenarios 5.3.1.2	Initiative Mapping and Estimation of Wildfire and PSPS Risk-Reduction Impact 5.3.1.4
Ignition Probability Mapping Showing the Probability of Ignition Along the Electric Lines and Equipment 5.3.1.3	Match Drop Simulations Showing the Potential Wildfire Consequence of Ignitions that Occurs Along the Electric Lines and Equipment 5.3.1.5	

## 5.3.7 - Data Governance

Centralized Repository for Data 5.3.7.1	Collaborative Research on Utility Ignition and/or Wildfire 5.3.7.2	Documentation and Disclosure of Wildfire-Related Data and Algorithms 5.3.7.3	Tracking and Analysis of Near Miss Data 5.3.7.4
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## 5.3.10 - Stakeholder Cooperation & Community Outreach

Community Engagement 5.3.10.1	Cooperation and best practice sharing with agencies outside CA 5.3.10.2	Cooperation with suppression agencies 5.3.10.3	Forest service and fuel reduction cooperation and joint roadmap 5.3.10.4
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(\*) 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).

# WMP Activity Summary

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

## 5.3.9 - Emergency Planning & Preparedness

Adequate and Trained Workforce for service Restoration 5.3.9.1	Community Outreach, Public Awareness, and Communications Efforts 5.3.9.2	Customer Support in Emergencies 5.3.9.3	Disaster and Emergency Preparedness Plan 5.3.9.4
Preparedness and Planning for Service Restoration 5.3.9.5		Protocols in Place to Learn from Wildfire Events 5.3.9.6	

## 5.3.2 - Situational Awareness & Forecasting

Advanced Weather Monitoring and Weather Stations 5.3.2.1	Continuous Monitoring Sensors 5.3.2.2	Fault Indicators for Detecting Faults on Electric Lines and Equipment 5.3.2.3	Forecast of a Fire Risk Index, Fire Potential Index, or Similar 5.3.2.4
Personnel Monitoring Areas of Electric Lines and Equipment in Elevated Fire Risk Conditions 5.3.2.5		Weather Forecasting and Estimating Impacts on Electrical Lines and Equipment 5.3.2.6	

## 5.3.3 - Grid Design & System Hardening

Capacitor Maintenance and Replacement Program 5.3.3.1	Circuit Breaker Maintenance and Installation to De-Energize Lines Upon Detecting a Fault 5.3.3.2	Covered Conductor Installation 5.3.3.3	Covered Conductor Maintenance 5.3.3.4	Crossarm Maintenance, Repair, and Replacement 5.3.3.5	Distribution Pole Replacement and Reinforcement, Including with Composite Poles 5.3.3.6
Expulsion Fuse Replacement 5.3.3.7	Grid Topology Improvement to Mitigate or Reduce PSPS events 5.3.3.8	Installation of System Automation Equipment 5.3.3.9	Maintenance, Repair, and Replacement of Connectors, Including Hotline Clamps 5.3.3.10	Mitigation of Impact on Customers and Other Residents Affected During PSPS Events 5.3.3.11	Other Corrective Action 5.3.3.12
Pole Loading Infrastructure Hardening and Replacement Program Based on Pole Loading Assessment Program 5.3.3.13		Transformers Maintenance and Replacement 5.3.3.14	Transmission Tower Maintenance and Replacement 5.3.3.15	Undergrounding of Electric Lines and/or Equipment 5.3.3.16	Updates to Grid Topology to Minimize Risk of Ignition in HFTDs 5.3.3.17

## 5.3.8 - Resource Allocation Methodology

Allocation Methodology Development and Application 5.3.8.1
Risk Reduction Scenario Development and Analysis 5.3.8.2
Risk Spend Efficiency Analysis 5.3.8.3

(\* 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).

# WMP Activity Summary

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

## 5.3.5 - Vegetation Management & Inspections

Additional efforts to manage community and environmental impacts 5.3.5.1	Detailed inspections of vegetation around distribution electric lines and equipment 5.3.5.2	Detailed inspections of vegetation around transmission electric lines and equipment 5.3.5.3	Emergency response vegetation management due to red flag warning or other urgent conditions 5.3.5.4	Fuel management and reduction of "slash" from vegetation management activities 5.3.5.5	Improvement of inspections 5.3.5.6		
LiDAR inspections of vegetation around distribution electric lines and equipment 5.3.5.7	LiDAR inspections of vegetation around transmission electric lines and equipment 5.3.5.8	Other discretionary inspections of vegetation around distribution electric lines and equipment 5.3.5.9	Other discretionary inspection of transmission electric lines and 5.3.5.10	Patrol inspections of vegetation around distribution electric lines and equipment 5.3.5.11	Patrol inspections of vegetation around transmission electric lines and equipment 5.3.5.12		
Quality assurance / quality control of vegetation inspections 5.3.5.13	Recruiting and training of vegetation management personnel 5.3.5.14	Remediation of at-risk species 5.3.5.15	Removal and remediation of trees with strike potential to electric lines and equipment 5.3.5.16	Substation inspection 5.3.5.17	Substation vegetation management 5.3.5.18	Vegetation inventory system 5.3.5.19	Vegetation management to achieve clearances around electric lines and equipment 5.3.5.20

(\*) 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).

# WMP Activities Status vs. WMP Activity Goals

## 5.3.1 - Risk Assessment & Mapping

A Summarized Risk Map That Shows the Overall Ignition Probability and Estimated Wildfire Consequence Along the Electric Lines and Equipment  
5.3.1.1  
**Ignition Probability & Wildfire Consequence Mapping Project [Primary]**  
**Contracted Resources**

Ignition Probability Mapping Showing the Probability of Ignition Along the Electric Lines and Equipment  
5.3.1.3  
**Ignition Probability & Wildfire Consequence Mapping Project**  
**Contracted Resources**

Climate-Driven Risk Map and Modeling Based on Various Relevant Weather Scenarios  
5.3.1.2  
**Ignition Probability & Wildfire Consequence Mapping Project**  
**Contracted Resources**

Match Drop Simulations Showing the Potential Wildfire Consequence of Ignitions that Occurs Along the Electric Lines and Equipment  
5.3.1.5  
**Ignition Probability & Wildfire Consequence Mapping Project**  
**Contracted Resources**

Initiative Mapping and Estimation of Wildfire and PSPS Risk-Reduction Impact  
5.3.1.4  
**Ignition Probability & Wildfire Consequence Mapping Project**  
**Contracted Resources**

### Contracting with Risk Mapping Resource

**Q3 2021 Goal:** Continue work with the contracted resource to develop a risk model toolkit.

**Key Actions:** In conjunction with the contractor developed a summarized risk map; climate-driven map; ignition probability mapping model; PSPS estimation reduction impact map; and a match drop simulation.

### **Primary & Secondary Initiative Relationships**

- Associated WMP initiatives that are mapped to a major initiative for cost recovery classification. Some Secondary initiatives may also have separated costs.
- WMP Category Initiative Relationship:

- **5.3.1.1 (Primary)**

- 5.3.1.2
- 5.3.1.3
- 5.3.1.4
- 5.3.1.5
- 5.3.2.4
- 5.3.8.2
- 5.3.8.3

} **Secondary Initiatives**

## 5.3.7 - Data Governance

Centralized Repository for Data  
5.3.7.1  
**GIS Data Collection & Sharing [Primary]**  
**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  
5.3.7.4  
**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 Q3 of 2021 there were no compliance issues identified.

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

# WMP Activities Status vs. WMP Activity Goals

## 5.3.2 - Situational Awareness & Forecasting

<p>Advanced Weather Monitoring and Weather Stations 5.3.2.1 <b>Situational Awareness Hardware Program [Primary]</b> <b>Complete</b></p>	<p><b>Revised Schedule for 2021 Planned Deployment &amp; Additional Installation:</b> <b>Volume vs Q3 2021 Goal:</b> BVES adjusted its plan to complete the second weather station installation in Q3 where it had originally planned to complete both weather stations in Q2. <b>Key Actions:</b> One weather station was installed in Q3. The two weather station installations planned for 2021 have been completed.</p>
<p>Continuous Monitoring Sensors 5.3.2.2 Situational Awareness Hardware Program <b>Complete</b></p>	<p><b>Situational Awareness Hardware Program:</b> <b>Volume vs Q3 2021 Goal:</b> BVES was not able to meet its plan for Q2 and was forced to adjust the installation of its two HD cameras to Q3. The volume targets for Q3 was two HD cameras. WMP Initiative 5.3.2.1 is the primary for the subtasks included in this category. <b>Key Actions:</b> Two HD cameras were installed in Q3. The two HD camera installations planned for 2021 have been completed.</p>
<p>Fault Indicators for Detecting Faults on Electric Lines and Equipment 5.3.2.3 Situational Awareness Hardware Program <b>Planned</b></p>	<p><b>Situational Awareness Hardware Program:</b> <b>Volume vs Q3 2021 Goal:</b> This is currently a planned program for BVES in 2022. WMP Initiative 5.3.2.1 is the primary for the subtasks included in this category. <b>Key Actions:</b> Currently on track to begin work.</p>
<p>Personnel Monitoring Areas of Electric Lines and Equipment in Elevated Fire Risk Conditions 5.3.2.5 <b>Grid Operations &amp; Protocols</b> <b>No High-Risk Events Occurred</b></p>	<p><b>Grid Operations &amp; Protocol:</b> <b>Volume vs Q3 2021 Goal:</b> BVES has established a resource allocation level for the instance where a high fire risk condition occurs. <b>Key Actions:</b> BVES currently has the resource pool available to combat high fire risk conditions in its operating area.</p>

<p><b>Situational Awareness Hardware Program</b> <b>Primary &amp; Secondary Initiative Relationships</b></p> <ul style="list-style-type: none"> <li>Associated WMP initiatives that are mapped to a major initiative for cost recovery classification. Some Secondary initiatives may also have separated costs.</li> <li>WMP Category Initiative Relationship:             <ul style="list-style-type: none"> <li><b>5.3.2.1 (Primary)</b> <ul style="list-style-type: none"> <li>5.3.2.2</li> <li>5.3.2.3</li> </ul> </li> </ul> </li> </ul>	
<p>Forecast of a Fire Risk Index, Fire Potential Index, or Similar 5.3.2.4 <b>Weather Consultant / Risk Mapping</b> <b>On Track</b></p>	<p><b>Contracting with Risk Mapping Resource</b> <b>Volume vs Q3 2021 Goal:</b> Work with the contracted resource to develop a risk model toolkit. <b>Key Actions:</b> In conjunction with the contractor developed a summarized risk map; climate-driven map; ignition probability mapping model; PSPS estimation reduction impact map; and a match drop simulation. These models will be refined in the next quarter.</p>
<p>Weather Forecasting and Estimating Impacts on Electrical Lines and Equipment 5.3.2.6 <b>Weather Consultant [Primary]</b> <b>Support Requirement Met</b></p>	<p><b>Weather Consultant for Weekly Reporting:</b> <b>Q3 2021 Goal:</b> BVES currently has a weather consultant on payroll who supports the weather forecasting and analysis necessary. <b>Key Actions:</b> Additional task for quarterly aggregation of High Wind Warning and Red Flag Warning accounts to support Quarterly Data Reports.</p>
	<p><b>Primary &amp; Secondary Initiative Relationships</b></p> <ul style="list-style-type: none"> <li>Associated WMP initiatives that are mapped to a major initiative for cost recovery classification. Some Secondary initiatives may also have separated costs.</li> <li>WMP Category Initiative Relationship:             <ul style="list-style-type: none"> <li><b>5.3.2.6 (Primary)</b> <ul style="list-style-type: none"> <li>5.3.2.4</li> </ul> </li> </ul> </li> </ul>



# WMP Activities Status vs. WMP Activity Goals

## 5.3.3 - Grid Design & System Hardening

<p>Covered Conductor Installation 5.3.3.3</p>	<p><b>2019-2020 Completed Pilot:</b> <b>Volume vs Q3 2021 Goal:</b> BVES has no outstanding goals for the pilot.</p>	<p>Other Corrective Action 5.3.3.12</p>	<p><b>Completion Toward 70 Attachment Removals for the Year:</b> <b>Volume vs Q3 2021 Goal:</b> Due to constraints BVES adjusted its target for the year to 70 and moved all 70 tree attachment removals to Q4 <b>Key Actions:</b> BVES plans to conduct the removals in Q4.</p>
<p>1 Covered Conductor Program - Pilot</p>	<p><b>2.82 Circuit Miles Planned for 2022 Hardening:</b> <b>Volume vs Q3 2021 Goal:</b> BVES will begin construction in 2022 contingent with permitting approvals for completion by the end of the year <b>Key Actions:</b> Currently no activities to report.</p>	<p>1 Tree Attachment Removal Program</p>	<p><b>400 Poles Hardened on Route to Date:</b> <b>Volume vs Q3 2021 Goal:</b> BVES initiated a pilot program to test fire-resistant solutions to protect wood poles. 400 of 400 wood poles were hardening with a wire mesh protective coating. <b>Key Actions:</b> The target for 2021 was hit at the close of Q2. No additional actions were taken on this initiative in Q3.</p>
<p>2 Radford Covered Conductor Replacement</p>	<p><b>12.9 Circuit Miles Planned for 2021 Hardening:</b></p>	<p>2 Evacuation Route Hardening On Track</p>	<p><b>Key Actions:</b> The target for 2021 was hit at the close of Q2. No additional actions were taken on this initiative in Q3.</p>
<p>3 Covered Conductor Replacement Program On Track</p>	<p><b>Volume vs Q3 2021 Goal:</b> BVES projected that they would complete 8.6 miles by the close of Q3 of 2021. BVES was able to complete 8.89 lines miles by the close of Q3. <b>Key Actions:</b> BVES is currently on track to complete the projected total of 12.9 by close of 2021</p>		
<p>Distribution Pole Replacement and Reinforcement, Including with Composite Poles 5.3.3.6</p>	<p><b>33% Patrolled within the Service Area to Date:</b> <b>Volume vs Q3 2021 Goal:</b> The goal for Q3 was to have 150 poles replaced as part of the assessment process. BVES has currently replaced 158 poles in 2021. This initiative is secondary to 5.3.3.13. <b>Key Actions:</b> Due to the work that was completed in Q1, Q2 &amp; Q3 BVES is on track to meet its target of 200 poles for 2021.</p>		
<p>1 Pole Loading &amp; Replacement Program 158 Poles Replaced</p>	<p><b>2.82 Circuit Miles Planned for 2022 Hardening:</b> <b>Volume vs Q3 2021 Goal:</b> BVES will begin construction in 2022 contingent with permitting approvals for completion by the end of the year <b>Key Actions:</b> Currently no activities to report.</p>		
<p>2 Radford Covered Conductor Replacement</p>	<p><b>2020 Completed Route Hardening Pilot:</b> <b>Volume vs Q3 2021 Goal:</b> The BVES does not have an established goal for this pilot as it was completed the year prior.</p>		
<p>3 Evacuation Route Hardening- Pilot</p>	<p><b>400 Poles Hardened on Route to Date:</b> <b>Volume vs Q3 2021 Goal:</b> BVES initiated a pilot program to test fire-resistant solutions to protect wood poles. 400 of 400 wood poles were hardening with a wire mesh protective coating. <b>Key Actions:</b> The target for 2021 was hit at the close of Q2. No additional actions were taken on this initiative in Q3.</p>		
<p>4 Evacuation Route Hardening Program 400 Poles Hardened in 2021</p>			

# WMP Activities Status vs. WMP Activity Goals

## 5.3.3 - Grid Design & System Hardening

Expulsive Fuse Replacement  
5.3.3.7  
**Fuse Replacement Program**  
**0 Remaining**

**0 Conventional Fuses Remaining:**  
**Volume vs Q3 2021 Goal:** BVES replaced 3,114 conventional expulsion fuses with 2,578 current limiting fuses (non-expulsion fuses) and 536 electronic fuses.  
**Key Actions:** BVES completed this initiative.

Mitigation of Impact on Customers and Other Residents Affected During PSPS Events  
5.3.3.11  
**Energy Storage Project**  
**Planned**

**8 MW/ 4 MWh Energy Storage Facility Planned in 2023:**  
**Q3 2021 Goal:** BVES has begun working to select the appropriate site and contracting needs to plan for construction/operation by mid-2023.  
**Key Actions:** BVES is on track with this initiative.

Installation of System Automation Equipment  
5.3.3.9  
**Grid Automation Program**  
[Primary]  
**7.5% Reached**

**10% Annual Target for Grid Automation:**  
**Volume vs Q3 2021 Goal:** BVES has reached 7.5% of the milestone for this initiative in Q3, which is on track with goals.  
**Key Actions:** Currently on track to complete annual targets.

Pole Loading Infrastructure Hardening and Replacement Program Based on Pole Loading Assessment Program  
5.3.3.13  
**Pole Loading & Replacement Program**  
[Primary]  
**400 Poles Assessed**

**Pole Assessment Program:**  
**Volume vs Q3 2021 Goal:** The goal for Q3 was to assess an additional 150 poles as part of the assessment process. BVES has currently assessed 400 of its targeted 400 poles by Q3 of 2021.  
**Key Actions:** The targeted 150 poles were assessed in Q3. BVES is on track to assess 600 poles in 2021.

Grid Topology Improvement to Mitigate or Reduce PSPS events  
5.3.3.8  
**Grid Topology Improvements**  
[Primary]  
**Completed**

**Grid Topology Improvements - Completed:**  
**Volume vs Goal:** BVES will install sectionalizing devices as the need is determined. Currently, zero are planned in 2021. WMP Initiative 5.3.3.8 is the primary for the subtasks included in this category.  
**Key Actions:** BVES has completed the effort as identified within this WMP cycle.

Updates to Grid Topology to Minimize Risk of Ignition in HFTDs 5.3.3.17  
**Grid Topology Improvements**  
**Completed**

**Primary & Secondary Initiative Relationships**

- Associated WMP initiatives that are mapped to a major initiative for cost recovery classification. Some Secondary initiatives may also have separated costs.
- WMP Category Initiative Relationship:
  - **5.3.3.8 (Primary)**
  - 5.3.3.17

# WMP Activities Status vs. WMP Activity Goals

## 5.3.3 - Grid Design & System Hardening Initiatives

<p>Capacitor Maintenance and Replacement Program 5.3.3.1 <b>Complete / Ongoing</b></p>	<p>Circuit Breaker Maintenance and Installation to De-Energize Lines Upon Detecting a Fault 5.3.3.2 <b>Complete / Ongoing</b></p>	<p>Covered Conductor Maintenance 5.3.3.4 <b>Complete / Ongoing</b></p>	<p><b>BVES Maintenance Best Practice:</b> The following Grid Design and System Hardening initiatives are covered under ongoing maintenance of subtransmission and distribution facilities and are not separated as unique WMP initiatives.</p>
<p>Crossarm Maintenance, Repair, and Replacement 5.3.3.5 <b>Complete / Ongoing</b></p>	<p>Maintenance, Repair, and Replacement of Connectors, Including Hotline Clamps 5.3.3.10 <b>Complete / Ongoing</b></p>	<p>Transformers Maintenance and Replacement 5.3.3.14 <b>Complete / Ongoing</b></p>	

## 5.3.10 - Stakeholder Cooperation & Community Outreach

<p>Community engagement 5.3.10.1 <b>Community Outreach Program</b> <b>Ongoing</b></p>	<p><b>Community Outreach Program:</b> <b>Volume vs Q3 2021 Goal:</b> BVES had planned to conducted at minimum 90 outreach activities. BVES recorded 161 outreach activities 180% of target for Q3. See 5.3.9.2 as the primary WMP initiative. <b>Key Actions:</b> Grizzly Newspaper advertisements are posted during the week (M-F) for either WMP or PSPS and BVES will have 1 advertisement broadcasted each month.</p>	<p>Cooperation with suppression agencies 5.3.10.3 <b>Complete/Ongoing</b></p>	<p><b>Cooperation with suppression agencies:</b> <b>Volume vs Q3 2021 Goal:</b> Currently BVES does not participate in cooperation with suppression agencies currently. BVES plans to have discussion with suppression agencies and determine if there are additional actions that can be taken to improve their program. <b>Key Actions:</b> No actions have currently been taken</p>
<p>Cooperation and best practice sharing with agencies outside CA 5.3.10.2 <b>Planned</b></p>	<p><b>Cooperation and sharing with agencies outside CA:</b> <b>Volume vs Q3 2021 Goal:</b> 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. <b>Key Actions:</b> No actions have currently been taken</p>	<p>Forest service and fuel reduction cooperation and joint roadmap 5.3.10.4 <b>Planned</b></p>	<p><b>Cooperation with forest service and fuel reduction:</b> <b>Volume vs Q3 2021 Goal:</b> Currently BVES does not participate in forest service and fuel reduction cooperation and joint roadmap programs. BVES plans to have discussion with their forest service contacts to determine the applicability of these programs to improve their overall program. <b>Key Actions:</b> No actions have currently been taken</p>

# WMP Activities Status vs. WMP Activity Goals

## 5.3.4 - Asset Management & Inspection

Detailed inspections of distribution electric lines and equipment  
5.3.4.1

**Detailed Inspection Program**  
[Primary]  
**Yearly Target Met**

### Mid-Year Detailed Inspection Activities

**Volume vs Q3 2021 Goal:** BVES set a target of 20 circuit miles for Q3. BVES was able to complete 52.06 circuit miles in Q3.  
**Key Actions:** While BVES only intended to complete 20 circuit miles of inspection in Q3 it was able to complete its annual target of 50.

Infrared inspections of distribution electric lines and equipment  
5.3.4.4

**UAV Thermography Program**  
**Yearly Target Met**

### Mid-Year UAV Inspection Activities

**Volume vs Q3 2021 Goal:** BVES had targeted completing 211 circuit miles (entire system) of inspection in Q3. This would fulfil the goal of conducting infrared inspections of the entire system annually  
**Key Actions:** BVES completed 211 circuit miles of inspection in Q3

Other discretionary inspection of distribution electric lines and equipment, beyond inspections mandated by rules and regulations  
5.3.4.9

1 **Third Party Ground Patrol**  
**Off Track**

2 **Third Party UAV Program**  
**On Track**

### Contracted Third Party Inspection

**Volume vs Q3 2021 Goal:** BVES had targeted 211 circuit miles of 3<sup>rd</sup> Party Ground Patrol in Q3 of 2021  
**Key Actions:** Results will be revealed in the Q4 quarterly update as activities are poised to be completed in October 2021.

### UAV Thermography Program

**Volume vs Q3 2021 Goal:** BVES had targeted completing 211 circuit miles (entire system) of inspection in Q3. This would fulfil the goal of conducting infrared inspections of the entire system annually  
**Key Actions:** BVES completed 211 circuit miles of inspection in Q3.

Improvement of Inspections  
5.3.4.3

**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.

Intrusive Pole Inspections  
5.3.4.6

**Intrusive Pole Inspection Program**  
**Ongoing**

### Mid-Year Intrusive Pole Inspections

**Volume vs Q3 2021 Goal:** 900 Poles are planned for assessment in Q3 of 2021. 850 poles assessed is the new target for 2021.  
**Key Actions:** BVES was able to assess 876 poles in Q3.

LiDAR inspections of distribution electric lines and equipment  
5.3.4.7

**LiDAR Inspection Program**  
[Primary]  
**Yearly Target Met**

### Performed Annually Across the Entire Service Area

**Volume vs Q3 2021 Goal:** BVES had targeted surveying 211 circuit miles in Q3 as part of its annual LiDAR Inspection.  
**Key Actions:** BVES was able to survey 289.56 circuit miles, meeting the goal it had set out for Q3 as was as annually.

### **LiDAR Inspection Program**

#### **Primary & Secondary Initiative Relationships**

- Associated WMP initiatives that are mapped to a major initiative for cost recovery classification. Some Secondary initiatives may also have separated costs.
- WMP Category Initiative Relationship:
  - **5.3.4.7 (Primary)**
  - 5.3.5.7

# WMP Activities Status vs. WMP Activity Goals

## 5.3.4 - Asset Management & Inspection

Patrol inspections of distribution electric lines and equipment  
5.3.4.11

**Patrol Inspection Program [Primary]**  
**160 Circuit Miles Inspected**

### **Patrol Inspection within the Service Area**

**Volume vs Q3 2021 Goal:** BVES targeted an additional 75 circuit miles in Q3 bringing the annual total to 160 circuit miles. BVES was able to conduct 276.62 circuit miles of inspection. Bringing the annual total to 362.28 (255 was the annual set at the beginning of 2021).

**Key Actions:** Currently completed annual targets.

### **Patrol Inspection Program**

#### **Primary & Secondary Initiative Relationships**

- Associated WMP initiatives that are mapped to a major initiative for cost recovery classification. Some Secondary initiatives may also have separated costs.
- WMP Category Initiative Relationship:
  - **5.3.4.11 (Primary)**
  - 5.3.5.11

Pole loading assessment program to determine safety factor  
5.3.4.13

**Pole Loading & Replacement Program**  
**YTD Assessed 400 Poles**

### **Pole Loading & Replacement**

**Volume vs Q3 2021 Goal:** The goal for Q3 was to assess an additional 150 poles as part of the assessment process. BVES has currently assessed 400 of its targeted 400 poles by Q3 of 2021.

**Key Actions:** The targeted 150 poles were assessed in Q3. BVES is on track to assess 600 poles in 2021.

### **Pole Loading & Replacement Program**

#### **Primary & Secondary Initiative Relationships**

- Associated WMP initiatives that are mapped to a major initiative for cost recovery classification. Some Secondary initiatives may also have separated costs.
- WMP Category Initiative Relationship:
  - **5.3.3.13 (Primary)**
  - 5.3.3.6
  - 5.3.4.13

Quality assurance / quality control of inspections  
5.3.4.14

**Quality Control of Inspections [Primary]**  
**Planned**

### **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.

### **GO-174 Substation Inspection Program**

#### **Primary & Secondary Initiative Relationships**

- Associated WMP initiatives that are mapped to a major initiative for cost recovery classification. Some Secondary initiatives may also have separated costs.
- WMP Category Initiative Relationship:
  - **5.3.4.15 (Primary)**
  - 5.3.5.17

Substation inspections  
5.3.4.15

**GO-174 Substation Inspection Program [Primary]**  
**36 Substations Inspected**

### **Substations Inspected**

**Volume vs Q3 2021 Goal:** BVES has executed physical inspections of 36 additional substations within the service area bringing the annual total to 108 substations inspected.

**Key Actions:** Currently on track to meet annual targets.

# WMP Activities Status vs. WMP Activity Goals

## 5.3.5 - Vegetation Management & Inspection

Detailed inspections of vegetation around distribution electric lines and equipment  
5.3.5.2  
**Detailed Inspection Program**  
**Yearly Target Met**

### Mid-Year Detailed Inspection Activities

**Volume vs Q3 2021 Goal:** BVES targeted 20 circuit miles inspected for Q3. 52.06 circuit miles were inspected in Q3 exceeding the Q3 target as well as completing the annual goal of 50 circuit miles.

**Key Actions:** Completed annual targets.

### Primary & Secondary Initiative Relationships

- Associated WMP initiatives that are mapped to a major initiative for cost recovery classification. Some Secondary initiatives may also have separated costs.
- WMP Category Initiative Relationship:
  - **5.3.4.1 (Primary)**
  - 5.3.5.2

LiDAR inspections of vegetation around distribution electric lines and equipment  
5.3.5.7  
**LiDAR Inspection Program**  
**Yearly Target Met**

### Performed Annually Across the Entire Service Area

**Volume vs Q3 2021 Goal:** BVES had targeted surveying 211 circuit miles in Q3 as part of its annual LiDAR Inspection.

**Key Actions:** BVES was able to survey 289.56 circuit miles, meeting the goal it had set out for Q3 as was as annually.

Other discretionary inspections of vegetation around distribution electric lines and equipment  
5.3.5.9  
**UAV & Ground Patrol**  
**Planned / On Track**

### Mid-Year UAV Inspection Activities

**Volume vs Q3 2021 Goal:** BVES had targeted completing 211 circuit miles (entire system) of inspection in Q3. This would fulfil the goal of conducting UAV & Ground Patrol inspections of the entire system annually

**Key Actions:** BVES completed 211 circuit miles of inspection in Q3

Emergency response vegetation management due to red flag warning or other urgent conditions  
5.3.5.4  
**Emergency Preparedness & Response Program**  
**Completed**

### Emergency Preparedness and Response Program:

**Volume vs Goal:** BVES did not record an emergency in Q3 of 2021. This means that the use of the Emergency Preparedness & Response Program was not required. See initiative 5.3.9.4 as the primary.

Improvement of inspections  
5.3.5.6  
**Ongoing**

### Improvement of Inspections:

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

Patrol inspections of vegetation around distribution electric lines and equipment  
5.3.5.11  
**Patrol Inspection Program**  
**Yearly Target Met**

### Patrol Inspection within the Service Area

**Volume vs Q3 2021 Goal:** BVES targeted an additional 75 circuit miles in Q3 bringing the annual total to 160 circuit miles. BVES was able to conduct 276.62 circuit miles of inspection. Bringing the annual total to 362.28 (255 was the annual set at the beginning of 2021).

**Key Actions:** Currently completed annual targets.

Remediation of at-risk species  
5.3.5.15  
**Planned**

### Remediation of At-Risk Species:

**Key Actions:** BVES and its contractors account for at risk species when doing field work and evaluation. Cycle Breaker vegetation is an example of what may be recorded.

# WMP Activities Status vs. WMP Activity Goals

## 5.3.5 - Vegetation Management & Inspection

Quality assurance / quality control of vegetation inspections  
5.3.5.13  
**Quality Control of Inspections**  
**74 YTD**

**Quality Control for Electrical Inspections Program**  
**Volume vs Q3 2021 Goal:** BVES plans to execute 18 audit reviews of vegetation management work per quarter. An additional 30 reviews were carried over after missing the Q2 target.  
**Key Actions:** BVES conducted 50 reviews in Q3 bringing the annual total to 74. BVES has met its annual goal of 72 quality control reviews.

Recruiting and training of vegetation management personnel  
5.3.5.14  
**Vegetation Management Program Staffing**  
**Met Targets**

**Resource Allocation & Training:**  
BVES has an established program in place and continues to monitor all aspects of the program for compliance. During the period Q3 of 2021 there were no compliance issues identified.  
**Key Actions:** BVES reviewed staffing program and methodology

Removal and remediation of trees with strike potential to electric lines and equipment  
5.3.5.16  
**Enhanced Vegetation Management Program [Primary]**  
**Removals Occurred within 30-Day Window**

Fuel management and reduction of "slash" from vegetation management activities  
5.3.5.5  
**Enhanced Vegetation Management Program**  
**Contractor Meets Requirements**

Vegetation management to achieve clearances around electric lines and equipment  
5.3.5.20  
**Enhanced Vegetation Management Program**  
**Targets Met**

**Mid-Year Detailed Inspection Activities**  
**Volume vs Q3 2021 Goal:** BVES did not have a quarterly target established for circuit miles inspected over the second quarter in 2021.  
**Key Actions:** Currently on track to complete annual targets.

### Primary & Secondary Initiative Relationships

- Associated WMP initiatives that are mapped to a major initiative for cost recovery classification. Some Secondary initiatives may also have separated costs.
- WMP Category Initiative Relationship:
  - **5.3.4.1 (Primary)**
  - 5.3.5.2
  - 5.3.5.20

Substation inspection  
5.3.5.17  
**GO-174 Substation Inspection Program**  
**Inspected & Cleared Vegetation**

**75% of Substations Inspected**  
**Volume vs Q3 2021 Goal:** BVES has executed physical inspections of 36 additional substations within the service area bringing the annual total to 108 substations inspected.  
**Key Actions:** Currently on track to meet annual targets

Substation vegetation management  
5.3.5.18  
**Substation Vegetation Management Inspections & Corrections**  
**Inspected & Cleared Vegetation**

**75% of Substations Inspected**  
**Volume vs Q3 2021 Goal:** BVES has executed physical inspections of 108 substations within the service area at the close of Q3. BVES has met its target of 36 inspections per quarter.  
**Key Actions:** Currently on track to meet annual targets.

Vegetation inventory system  
5.3.5.19  
**GIS Data Collection & Sharing**  
**Trimmed Trees Logged**

**GIS Data Collection & Sharing:**  
**Volume vs Q3 2021 Goals:** BVES continues to work towards a class leading Data Repository. WMP Initiative 5.3.7.1 is the primary associated with this ongoing inventory scope.  
**Key Actions:** BVES continue to work with its contracted experts to update its GIS database as well as develop a more streamlined method for reporting and sharing of information.

# WMP Activities Status vs. WMP Activity Goals

## 5.3.6 - Grid Operations & Operating Protocols

Automatic Recloser Operations  
5.3.6.1  
**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 (FIs) 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 FIs installed in its system at key locations. As part of the WMP, BVES will install an additional 117 FIs at 39 key locations to provide optimal FI coverage in the system in 2022. This initiative is secondary to 5.3.3.9.

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

Crew-Accompanying Ignition Prevention and Suppression Resources and Services  
5.3.6.2

**Emergency Preparedness & Response Program  
No Emergency Events**

Stationed and On-Call Ignition Prevention and Suppression Resources and Services  
5.3.6.5

**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 Q3 of 2021 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 Q3 of 2021

### **Primary & Secondary Initiative Relationships**

- Associated WMP initiatives that are mapped to a major initiative for cost recovery classification. Some Secondary initiatives may also have separated costs.
- WMP Category Initiative Relationship:
  - **5.3.9.4 (Primary)**
    - 5.3.5.4
    - 5.3.6.2
    - 5.3.6.6
    - 5.3.9.3
    - 5.3.9.5
    - 5.3.9.6

Personnel Work Procedures and Training in Conditions of Elevated Fire Risk  
5.3.6.3

**PSPS Program & Procedures  
Ongoing**

Protocols for PSPS Re-Energization  
5.3.6.4

**PSPS Program & Procedures  
Established**

PSPS Events and Mitigation of PSPS Impacts  
5.3.6.5

**PSPS Program & Procedures [Primary]  
0 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 Q3 of 2021 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

### **Primary & Secondary Initiative Relationships**

- Associated WMP initiatives that are mapped to a major initiative for cost recovery classification. Some Secondary initiatives may also have separated costs.
- WMP Category Initiative Relationship:
  - **5.3.6.5 (Primary)**
    - 5.3.6.3
    - 5.3.6.4



# WMP Activities Status vs. WMP Activity Goals

## 5.3.9 - Emergency Planning & Preparedness

Adequate and Trained Workforce for Service Restoration  
5.3.9.1  
**Resource Allocation Methodology Completed**

**Resource Allocation Methodology:**

BVES has an established program in place and continues to monitor all aspects of the program for compliance. During the period Q3 of 2021 there were no compliance issues identified. See WMP initiative 5.3.8.1 as the primary.

**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  
5.3.9.2  
**Community Outreach Program [Primary] Ongoing**

**Community Outreach Program:**

**Volume vs Q3 2021 Goal:** BVES had planned to conducted at minimum 90 outreach activities. BVES recorded 161 outreach activities 180% of target for Q3.

**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.

Disaster and Emergency Preparedness Plan  
5.3.9.4  
**Emergency Preparedness & Response Program [Primary] Established**

Preparedness and Planning for Service Restoration  
5.3.9.5  
**Emergency Preparedness & Response Program Ongoing**

**Emergency Preparedness and Response Program:**

**Volume vs Q3 2021 Goal:** BVES did not record an emergency in Q3 of 2021. This means that the use of the Emergency Preparedness & Response Program was not required. Initiative 5.3.9.4 is the primary initiative for this grouping.

Customer Support in Emergencies  
5.3.9.3  
**Emergency Preparedness & Response Program Established**

Protocols in Place to Learn from Wildfire Events  
5.3.9.6  
**Emergency Preparedness & Response Program In Progress**

## 5.3.8 - Resource Allocation Methodology

Allocation Methodology Development and Application  
5.3.8.1  
**Resource Allocation Methodology [Primary] 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 Q3 of 2021 there were no gap issues identified.

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

Risk Reduction Scenario Development and Analysis  
5.3.8.2  
**Ignition Probability & Wildfire Consequence Mapping Planned**

**Contracting with Risk Mapping Resource**

**Volume vs Q3 2021 Goal:** Developed request for support in producing a package of risk mapping products and match drop simulations to accurately identify BVES's ignition risk potential under climate change forecasts. WMP Initiative 5.3.1.1 is the primary for the subtasks included in this category.

**Key Actions:** Developed plan to engage external resources to support BVES in developing these risk maps.

Risk Spend Efficiency Analysis  
5.3.8.3  
**Ignition Probability & Wildfire Consequence Mapping In Process**

**Contracting with Risk Mapping Resource**

**Volume vs Q3 2021 Goal:** Developed request for support in producing a package of risk mapping products and match drop simulations to accurately identify BVES's ignition risk potential under climate change forecasts. WMP Initiative 5.3.1.1 is the primary for the subtasks included in this category.

**Key Actions:** Developed plan to engage external resources to support BVES in developing these risk maps.