



Bear Valley Electric Service, Inc.  
P.O. Box 9028  
San Dimas, CA 91773-9028  
A Subsidiary of American States Water Company

May 1, 2023

Via E-Mail

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

**SUBJECT:** *Q1 2023 BVES Quarterly Notification to the Office Of Energy Infrastructure Safety Regarding BVES's Implementation of its Wildfire Mitigation Plan Pursuant to Public Utilities Code Section 8389(e)(7)*

Pursuant to Public Utilities Code ("PUC") Section 8389(e)(7), and the February 16, 2021 Office of Energy Infrastructure Safety ("Energy Safety") Compliance Operational Protocols, Bear Valley submits to Energy Safety this notification detailing the implementation of its approved Wildfire Mitigation Plan ("WMP"), implementation of BVES's most recent safety culture assessment and the recommendations of the most recent safety culture assessment, and a statement of activities and recommendations of the BVES Safety and Operations Committee meetings that occurred during the quarter.

#### **PURPOSE**

The purpose of this notification is to comply with the requirements of Section 8389(e)(7), which were added to the Public Utilities Code by Assembly Bill (AB) 1054 on July 12, 2019, and subsequently amended by AB 148 on July 22, 2021, to reflect the transition of the Wildfire Safety Division at the California Public Utilities Commission ("CPUC") to the Office of Energy Infrastructure Safety (OEIS). Section 8389(e)(7) requires electrical corporations to file a notice of implementation of its wildfire mitigation plan with OEIS "on a quarterly basis that details the implementation of both its approved wildfire mitigation plan and recommendations of the most recent safety culture assessment, and a statement of recommendations of the board of directors safety committee meetings that occurred during the quarter." Section 8389(e)(7) also requires that the notification "summarize the implementation of safety committee recommendations from the electrical corporation's previous notification and submission." BVES is simultaneously submitting this notice to the CPUC as an information only submittal.

This notification reports BVES's 2023 first quarter ("Q1") WMP activities, recorded Safety Committee meetings, and recommendations of the most recent safety culture assessment.

This Quarterly Notification Letter ("3NL") notification is BVES's first quarterly filing for calendar year 2023 and is simultaneously submitted to the CPUC's Safety Policy Division and its Program and Project Supervisor as an information-only submittal.

## **Q1 2023 Notification Letter**

### **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 Data Report ("QDR") filings for Q1 2023 prepared in accordance with OEIS Data Guidelines (Version 3.0) of December 14, 2022.

In Attachment A, BVES provides an initiative summary of progress for individual mitigation measures during Q1 2023.

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

BVES has implemented its 2023-2025 WMP and made significant progress in achieving its WMP initiative targets for 2023. As of the end of Q1 2023, some of the more significant achievements were:

- Exceeded the 2023 Q1 target to harden 250 poles along secondary evacuation routes in the Big Bear Lake area. The target was exceeded by installing fire resistant wire mesh on 500 wood poles along secondary evacuation routes. This completes BVES's 2023 effort to harden secondary evacuation route poles. BVES front loaded this effort to complete it prior to the fire season. Also, this type of work was compatible with the wintery weather that BVES experiences in Q1.
- Replaced 1.98 circuit miles of 4 KV distribution bare wire with covered conductor exceeding the planned 1.5 circuit miles for Q1.
- Conducted 36 substation inspections, meeting its target for Q1.
- Installed 35 fault indicators (FIs) in Q1, exceeding the target of 5 and meeting the annual goal in Q1. BVES front loaded this effort to reduce risk prior to fire season. Also, this type of work was compatible with the wintery weather that BVES experiences in Q1.
- Removed or remediated 32 trees that had fall-in risk exceeding the target for Q1 of 18, and putting the program ahead of its goal for Q2 as well.
- Conducted community outreach on PSPS and WMP topics by executing 153 engagements events of various types by the end of Q1, which exceeds the Q1 target of 90 engagements.
- Completed 57 circuit miles of detailed inspections (per GO-165) of distribution power lines and equipment along with inspections of vegetation around the distribution power lines exceeding the Q1 target of 55 circuit miles.
- Completed 71 circuit miles of patrol inspections (per GO-165) of distribution power lines and equipment along with inspections of vegetation around the distribution power lines exceeding the Q1 target of 52 circuit miles.

BVES had planned to complete vegetation clearance along 18 circuit miles in Q1, but only achieved vegetation clearance along 13 circuit miles. In Q1 BVES experienced significantly higher than average storm weather and snow accumulation, which

## Q1 2023 Notification Letter

significantly hindered vegetation clearance work. Vegetation clearance could not occur safely during the storms and due to the high accumulation of snow, access to BVES's service area and to the distributions lines was severely limited. Therefore, the target was missed but BVES is confident it will make up for the missed 5 circuit miles and achieve its annual target.

In 2022, Bear Valley did not achieve its target to complete the Radford Line Replacement Project, which replaces aged wood poles with high performance fire resistant poles and installs covered conductors in the High Fire Threat District Tier 3 ("extreme fire risk"). BVES is targeting to start construction in the summer of 2023; however, this effort is contingent on the United States Forest Service ("USFS") approving the pending permit to construct the project. BVES is working closely with the USFS and has made significant progress in satisfying USFS permitting requirements. In a meeting with the District Ranger on March 27, 2023, BVES was informed that the project was #3 in priority at the USFS and #1 in the District. Based on the current status of the permit, the following provides BVES's best estimated timeline of the major permitting milestones:

- Submit revised permit application to USFS for cultural survey- **Step Completed**
- USFS responds with 6 additional questions, Archaeologist will answer and resubmit - **Step Completed**
- Receive approval from USFS to conduct cultural survey-5 weeks - **Step Completed**
- Archaeologist will conduct cultural survey, write up report for NEPA & CEQA then sends to USFS - **Step Completed**
- USFS completes review of cultural report and submits to SHPO - **Anticipated week of 5/8/23**
- SHPO completes review and accepts cultural report - **Anticipated week of 6/5/23**
- USFS finalizes federal CE - **Anticipated week of 6/12/23**
- USFS publishes CE for 30 day public review - **Anticipated week of 6/19/23**
- USFS signs federal CE, NEPA process is complete - **Anticipated week of 7/17/23**
- BVES incorporates cultural report and completes CEQA categorical exemption - **Anticipated week of 6/20/23**
- BVES files notice of detention with San Bernardino Co. clerk recorder - **Anticipated week of 6/26/23**
- Once categorical exemption is filed with county clerk recorder there is a 30 day period for legal challenge-if no challenges-CEQA CE is final - **7/24/23**

Based on this timeline, BVES anticipates commencing the project in July 2023 and completing the project by the end of October 2023.

In the interim, BVES will continue to de-energize the Radford Line when load requirements do not require its operation, generally from the end of March through November of each year. Currently, the line is de-energized. Prior to energizing the

## Q1 2023 Notification Letter

Radford Line, BVES will patrol the line. Additionally, when the line is energized, the automatic recloser for that circuit will be placed in manual (no automatic reclosing).

### IMPLEMENTATION OF BVES'S MOST RECENT SAFETY CULTURE ASSESSMENT

In August 2022, BVES employees and contractors involved in WMP work completed the 2022 Safety Culture Assessment (SCA) surveys and BVES submitted the documents requested by Energy Safety's SCA Team for the 2022 SCA. On March 17, 2023, OEIS issued the draft report 2022 Safety Culture Assessment for BVES. The following summarizes the SCA report's recommendations:

- **Refine Contractor Strategic Improvement Plan:** In collaboration with BVES's contractors, BVES should review and refine its current strategic improvement plan to address gaps in overall safety culture for contractors. This plan should propose ways to improve contractor relationships with BVES supervisors and contractor empowerment to address problems in a timely fashion. This recommendation builds upon a 2021 SCA recommendation.
- **Address Safety Culture Opportunities for the Design and Construction Business Unit:** BVES should develop and implement a strategic improvement plan to address the workforce survey result indicating that Design and Construction employees have a less positive experience of safety culture in the wildfire mitigation work context than other employees. The survey also indicated that this unit may lack effective supervision. This is a new recommendation in response to the 2022 SCA inputs. Although BVES's 2022 workforce survey showed improvement over 2021 in the overall score and across the different statement categories, comparisons of results by business unit revealed inconsistencies in the way employees experience safety culture at BVES, especially in the results from the Design and Construction business unit. BVES should undertake measures to improve the safety culture experience of this business unit.
- **Strengthen Safety-Enabling Systems:** BVES should strengthen its safety-enabling systems by improving protocols for responding to near misses and hazards, including their reporting and management. This is a new recommendation in response to the 2022 SCA inputs. BVES should continue to build its "Continuous Improvement Program" described in its 2022 safety culture objectives to improve employee understanding of the importance of submitting incident reports, including near-miss reports. BVES should strengthen hazard and near-miss response, recognition, and reporting through increased worker involvement, worker training, and formal recognition of workers for reporting near misses and hazards. In particular, BVES should conduct at least one training on near-miss reporting protocols. BVES should identify and address any barriers to reporting within its safety-enabling systems (procedures, software, communication, etc.).

## **Q1 2023 Notification Letter**

BVES agrees with implementing the 2022 SCA recommendations and is developing an action plan to implement them. BVES will provide additional information on its action plan in its next notification letter to OEIS.

BVES has fully implemented the all of the recommendations of its 2021 SCA (OEIS Safety Culture Assessment (“SCA”) report for BVES of October 27, 2021).

### **SAFETY AND OPERATIONS COMMITTEE MEETING**

On February 23, 2023, BVES’s Safety and Operations Committee (“Committee”) convened. At the meeting Chairmen Paul Marconi briefed the Committee on current safety items at BVES including compliance with OEIS requirements and guidelines, safety certification, safety metrics and performance, and implementation of the 2021 Safety Culture Assessment recommendations. He then briefed the Committee on the final results of 2022 WMP initiatives and targets and the risk reduction achieved. Mr. Marconi then briefed the Committee on current ignition and PSPS risk and how management had developed the initiatives and targets to be included in 2023-2025 WMP to reduce these risks. The Committee discussed management’s proposed 2023-2025 WMP initiatives and targets and agreed with management’s proposals. 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.

### **NOTICE**

This filing will be submitted to the Office of Energy Infrastructure Safety, the Executive Director of the California Public Utilities Commission, and posted to the BVES website at <https://www.bvesinc.com/safety/wildfire-mitigation-plan>.

Sincerely,

/s/ Jeff Linam

Jeff Linam  
Manager, Regulatory Affairs  
Bear Valley Electric Service, Inc.  
630 East Foothill Blvd.  
San Dimas, California 91773  
Email: [RegulatoryAffairs@bvesinc.com](mailto:RegulatoryAffairs@bvesinc.com)  
(909) 394-3600 ext. 664

### **Attachment A**

Initiative Summary of Progress for Individual Mitigation Measures during Q1 2023

## Attachment A

### Initiative Summary of Progress for Individual Mitigation Measures during Q1 2023



# **Wildfire Mitigation Plan Quarterly Notification Letter Initiatives Update**

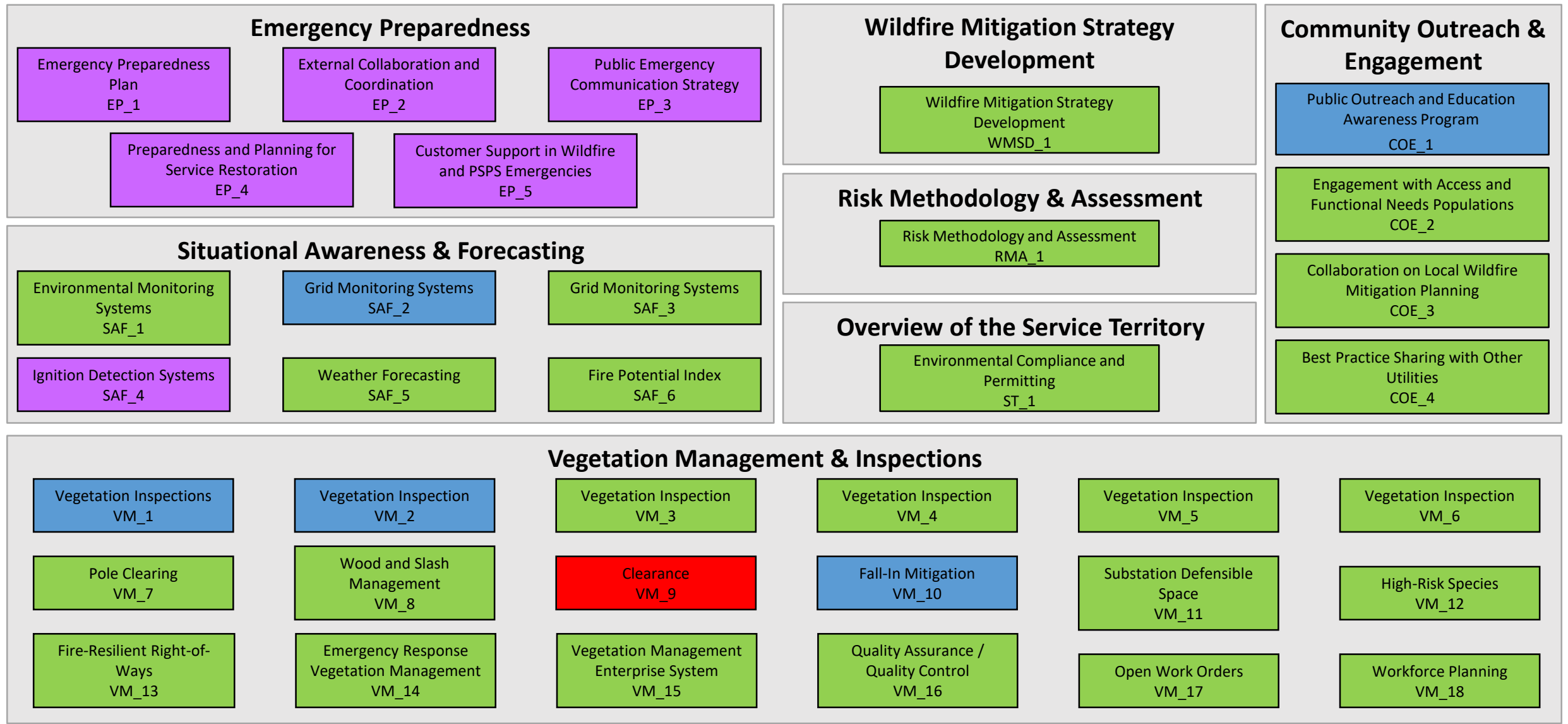
**Bear Valley Electric Service, Inc.**

***Q1 2023***



# WMP Activity Summary

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



(\* 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\*

## Grid Design, Operations & Maintenance

Covered Conductor Installation GD_1	Covered Conductor Installation GD_2	Undergrounding of Electric Lines and/or Equipment GD_3	Distribution Pole Replacement and Reinforcement GD_4	Distribution Pole Replacement and Reinforcement GD_6	Distribution Pole Replacement and Reinforcement GD_5	
Transmission Pole/Tower Replacement and Reinforcement GD_7	Traditional Overhead Hardening GD_8	Emerging Grid Hardening Technology Installations and Pilots GD_9	Microgrids GD_10	Microgrids GD_11	Installation of System Automation Equipment GD_12	
Installation of System Automation Equipment GD_13	Installation of System Automation Equipment GD_14	Installation of System Automation Equipment GD_15	Installation of System Automation Equipment GD_16	Installation of System Automation Equipment GD_17	Line Removals (In HFTD) GD_18	Other Grid Topology Improvements to Minimize Risk of Ignition GD_19
Other Grid Topology Improvements to Mitigate or Reduce PSPS Risk GD_20	Other Technologies and Systems Not Listed Above GD_21	Other Technologies and Systems Not Listed Above GD_22	Other Technologies and Systems Not Listed Above GD_23	Other Technologies and Systems Not Listed Above GD_24	Asset Inspection GD_25	Asset Inspection GD_26
Asset Inspection GD_27	Asset Inspection GD_28	Asset Inspection GD_29	Asset Inspection GD_30	Asset Inspection GD_31	Asset Inspection GD_32	Equipment Maintenance and Repair GD_33
Asset Management and Inspection Enterprise System(s) GD_34	Quality Assurance / Quality Control GD_35	Open Work Orders GD_36	Equipment Settings to Reduce Wildfire Risk GD_37	Grid Response Procedures and Notifications GD_38	Personnel Work Procedures and Training in Conditions of Elevated Fire Risk GD_39	Workforce Planning GD_40

(\*) 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

## Risk Methodology & Assessment

Risk Methodology and Assessment  
RMA\_1  
**Technosylva Contractor Program**  
**On Going**

**Contracting with Risk Mapping Resource:**

**2023 Goal:** For 2023 BVES plans to continue its work with Technosylva to maintain its real time risk mapping capabilities with accurate electrical system inputs.

**Key Actions:** Regular meetings to discuss program status with Technosylva.

## Overview of the Service Territory

Environmental Compliance and  
Permitting  
ST\_1  
**On Going**

**Environmental Compliance and Permitting:**

**2023 Goal:** Environmental Compliance and Permitting is an as needed program for BVES. When new projects are launched BVES relies on its environmental consultant to confirm all permitting requirements for the projects. The consultant also verifies that all current BVES facilities have their appropriate permits.

**Key Actions:** Ongoing review of permitting for BVES facilities.

## Wildfire Mitigation Strategy Development

Wildfire Mitigation Strategy  
Development  
WMSD\_1  
**On Going**

**Wildfire Mitigation Strategy Development:**

**2023 Goal:** For 2023 BVES plans to develop and issue its WMP for approval. Following approval, the WMP will be posted to its website for public viewing.

**Key Actions:** BVES is in the final drafting stages of its WMP to be submitted to EnergySafety for approval on May 8<sup>th</sup> 2023.

# WMP Activities Status vs. WMP Activity Goals

## Emergency Preparedness

Emergency Preparedness Plan  
EP\_1  
**Established / Ongoing**

External Collaboration and Coordination  
EP\_2  
**Established / Ongoing**

Public Emergency Communication Strategy  
EP\_3  
**Established / Ongoing**

Preparedness and Planning for Service Restoration  
EP\_4  
**Established / Ongoing**

Customer Support in Wildfire and PSPS Emergencies  
EP\_5  
**Established / Ongoing**

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

**Volume vs 2023 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. BVES continues to review the effectiveness of its PSPS Plans and its Emergency Response through internal review and desktop exercises.

## Community Outreach & Engagement

Public Outreach and Education Awareness Program  
COE\_1  
**Exceeded Target**

### **Public Outreach and Education Awareness Program:**

**Volume vs Q1 2023 Goal:** BVES had planned to conduct at a minimum of 90 outreach activities. BVES recorded 153 outreach activities 170% 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.

Collaboration on Local Wildfire Mitigation Planning  
COE\_3  
**On Track**

### **Collaboration on Local Wildfire Mitigation Planning:**

**Volume vs 2023 Goal:** BVES plans to engage with Local Support (Fire Department & Forest Service) on a regular basis to discuss project statuses as well as general needs and gaps for the upcoming fire season

**Key Actions:** BVES established plans to engage in coordination efforts based on PSPS activations, which will include suppression agencies.

Engagement with Access and Functional Needs Populations  
COE\_2  
**On Track**

### **Engagement with Access and Function Needs (AFN)**

#### **Populations:**

**Volume vs 2023 Goal:** BVES has an established program in place to identify AFN customers and provide assistance during PSPS.

**Key Actions:** BVES continues to evaluate the functionality of its AFN program as it relates to PSPS and wildfire events. BVES verified the AFN list, and associated needs twice per month for 6 verifications in Q1.

Best Practice Sharing with Other Utilities  
COE\_4  
**On Track**

### **Best Practice Sharing with Other Utilities:**

**Volume vs 2023 Goal:** BVES plans to evaluate the available working groups and conferences and make determinations on which groups/conferences add the most value to their wildfire program.

**Key Actions:** BVES has begun to review available working groups and conferences. BVES was able to attend 13 different subject matter working groups in Q1.

# WMP Activities Status vs. WMP Activity Goals

## Grid Design, Operations & Maintenance

Covered Conductor Installation  
GD\_1  
**Covered Conductor Replacement Program Ahead of Plan**

### **Covered Conductor Replacement Program:**

**Volume vs Q1 2023 Goal:** BVES planned to complete a total of 1.5 circuit miles by the end of Q1. BVES was able to complete 1.98 circuit miles by Q1.

**Key Actions:** BVES was able to complete 1.98 circuit miles of covered conductor installation. BVES is currently ahead of projection for 2023.

Covered Conductor Installation  
GD\_2  
**Radford Line Replacement Project On Track**

### **Radford Line Replacement Project:**

**Volume vs 2023 Goal:** BVES plans to complete the Radford Line covered conductor project in 2023. BVES plans to replace 1 circuit mile in Q3 and 1.7 circuit miles in Q4, for a total of 2.7 circuit miles replaced.

**Key Actions:** No replacements are scheduled until Q3. BVES continues to discuss status with the Forest Service.

Installation of System Automation Equipment  
GD\_14  
**Capacitor Bank Upgrade Project On Track**

### **Capacitor Bank Upgrade Project:**

**Volume vs 2023 Goal:** BVES plans to connect and automate 6 Capacitor Banks to SCADA in Q4 for a total of 6 Capacitor Banks in 2023.

**Key Actions:** No Capacitor Banks automation and connections are scheduled until Q4.

Installation of System Automation Equipment  
GD\_15  
**Fuse TripSaver Automation On Track**

### **Fuse TripSaver Automation:**

**Volume vs 2023 Goal:** BVES plans to connect and automate 10 Fuse TripSavers to SCADA in Q4, for a total of 10 Fuse TripSavers in 2023.

**Key Actions:** No Fuse TripSavers automation and connections are scheduled until Q4.

Microgrids  
GD\_10  
**Bear Valley Solar Energy Project Not Started**

### **Bear Valley Solar Energy Project:**

**Volume vs 2023 Goal:** The Bear Valley Solar Energy Project is not scheduled for construction in 2023.

**Key Actions:** BVES working to establish a Purchase & Sales Agreement with the developer and file an application with the CPUC in 2023.

Microgrids  
GD\_11  
**Energy Storage Project Not Started**

### **Bear Valley Energy Storage Project:**

**Volume vs 2023 Goal:** The Energy Storage Project is not scheduled for construction in 2023.

**Key Actions:** BVES working to establish a Purchase & Sales Agreement with the developer and file an application with the CPUC in 2023.

Installation of System Automation Equipment  
GD\_12  
**Substation Automation On Track**

### **Substation Automation:**

**Volume vs 2023 Goal:** BVES plans to connect and automate 2 substations to SCADA in Q3 and 1 substation in Q4, for a total of 3 substations in 2023.

**Key Actions:** No substation automation and connections are scheduled until Q3.

Installation of System Automation Equipment  
GD\_13  
**Switch and Field Device Automation On Track**

### **Switch and Field Device Automation:**

**Volume vs 2023 Goal:** BVES plans to connect and automate 6 Field Switches to SCADA in Q3 and 7 Field Switches in Q4, for a total of 13 Field Switches in 2023.

**Key Actions:** No Field Switches automation and connections are scheduled until Q3.

# WMP Activities Status vs. WMP Activity Goals

## Grid Design, Operations & Maintenance

Installation of System Automation Equipment  
GD\_16  
**Server Room**  
**On Track**

**Server Room:**  
**Volume vs 2023 Goal:** BVES plans to install a Server Room at its main office in 2023.  
**Key Actions:** The project is on schedule for completion in 2023.

Installation of System Automation Equipment  
GD\_17  
**Distribution Management Center**  
**Not Started**

**Distribution Management Center:**  
**Volume vs 2023 Goal:** The Distribution Management Center Project is not scheduled for 2023.  
**Key Actions:** No construction action will be taken on this program in 2023. BVES will perform project planning in 2023.

Line Removals (In HFTD)  
GD\_18  
**No Planned Projects**

**Line Removals (In HFTD):**  
**Volume vs 2023 Goal:** BVES does not have any planned line removals in HFTD in 2023.  
**Key Actions:** N/A.

Other Grid Topology Improvements to Minimize Risk of Ignition  
GD\_19  
**Tree Attachment Removal Program**  
**Ahead of Plan**

**Covered Conductor Replacement Program:**  
**Volume vs Q1 2023 Goal:** BVES planned to complete zero tree attachment removals in Q1. BVES was able to complete 2 tree attachments removals by the end of Q1. BVES plans to remove 100 tree attachment removals in 2023.  
**Key Actions:** BVES was able to complete 2 tree attachment removals. BVES is currently ahead of projection for 2023.

Other Grid Topology Improvements to Mitigate or Reduce PSPS Risk  
GD\_20  
**Captured Through Other Programs**

**Other Grid Topology Improvements to Mitigate or Reduce PSPS Risk:**  
**Volume vs Goal:** The objectives of this initiative are achieved through BVES's installation of system automation equipment initiatives.  
**Key Actions:** N/A.

Other Technologies and Systems Not Listed Above  
GD\_21  
**BVPP Phase 4 Upgrade Project**  
**Not Started**

**BVPP Phase 4 Upgrade Project:**  
**Volume vs 2023 Goal:** The BVPP Phase 4 Upgrade Project is not scheduled for 2023.  
**Key Actions:** No construction action will be taken on this program in 2023. BVES will perform project planning in 2023.

Other Technologies and Systems Not Listed Above  
GD\_22  
**Safety and Technical Upgrades to Maltby Substation**  
**Not Started**

**Safety and Technical Upgrades to Maltby Substation:**  
**Volume vs 2023 Goal:** The Safety and Technical Upgrades to Maltby Substation is not scheduled for 2023.  
**Key Actions:** No action will be taken on this program in 2023. BVES will perform project planning in 2023.

Other Technologies and Systems Not Listed Above  
GD\_23  
**Safety and Technical Upgrades to Lake Substation**  
**Not Started**

**Safety and Technical Upgrades to Lake Substation:**  
**Volume vs 2023 Goal:** The Safety and Technical Upgrades to Lake Substation is not scheduled for 2023.  
**Key Actions:** No action will be taken on this program in 2023. BVES will perform project planning in 2023.

Other Technologies and Systems Not Listed Above  
GD\_24  
**Safety and Technical Upgrades to Village Substation**  
**Not Started**

**Safety and Technical Upgrades to Village Substation:**  
**Volume vs 2023 Goal:** The Safety and Technical Upgrades to Village Substation is not scheduled for 2023.  
**Key Actions:** No action will be taken on this program in 2023. BVES will perform project planning in 2023.

# WMP Activities Status vs. WMP Activity Goals

## Grid Design, Operations & Maintenance

Asset Inspection  
GD\_25  
**Detailed Inspection  
Ahead of Plan**

### **Detailed Inspection:**

**Volume vs Q1 2023 Goal:** BVES planned to complete a total of 55 circuit miles of inspection by the end of Q1. BVES was able to complete 57 circuit miles by Q1.

**Key Actions:** BVES was able to complete 57 circuit miles of inspection. BVES is currently ahead of projection for 2023.

Asset Inspection  
GD\_26  
**Patrol Inspection  
Ahead of Plan**

### **Patrol Inspection:**

**Volume vs Q1 2023 Goal:** BVES planned to complete a total of 52 circuit miles of inspection by the end of Q1. BVES was able to complete 71 circuit miles by Q1.

**Key Actions:** BVES was able to complete 71 circuit miles of inspection. BVES is currently ahead of projection for 2023.

Asset Inspection  
GD\_27  
**UAV Thermography  
On Track**

### **UAV Thermography:**

**Volume vs 2023 Goal:** BVES plans to conduct 206.7 circuit miles of inspection in Q3. BVES annual target is 206.7 circuit miles in 2023

**Key Actions:** No circuit miles were inspected in Q1.

Asset Inspection  
GD\_28  
**UAV HD Photography /  
Videography  
On Track**

### **UAV HD Photography / Videography:**

**Volume vs 2023 Goal:** BVES plans to conduct 206.7 circuit miles of inspection in Q3. BVES annual target is 206.7 circuit miles in 2023

**Key Actions:** No circuit miles were inspected in Q1.

Asset Inspection  
GD\_29  
**LiDAR Inspection  
On Track**

### **LiDAR Inspection:**

**Volume vs 2023 Goal:** BVES plans to conduct 206.7 circuit miles of inspection in Q3. BVES annual target is 206.7 circuit miles in 2023

**Key Actions:** No circuit miles were inspected in Q1.

Undergrounding of  
Electric Lines and/or  
Equipment  
GD\_3  
**Minor Undergrounding  
Upgrades Projects  
Ahead of Plan**

### **Minor Undergrounding Upgrades Projects:**

**Volume vs 2023 Goal:** BVES conducts undergrounding on an as needed basis. There were no proposed or initiated undergrounding projects in Q1.

**Key Actions:** No undergrounding projects were proposed or initiated in Q1

Asset Inspection  
GD\_30  
**3<sup>rd</sup> Party Ground Patrol  
On Track**

### **3<sup>rd</sup> Party Ground Patrol:**

**Volume vs 2023 Goal:** BVES plans to conduct 206.7 circuit miles of inspection in Q3. BVES annual target is 206.7 circuit miles in 2023

**Key Actions:** No circuit miles were inspected in Q1.

Asset Inspection  
GD\_31  
**Intrusive Pole  
Inspection  
On Track**

### **Intrusive Pole Inspection:**

**Volume vs 2023 Goal:** BVES plans to conduct 850 poles intrusively inspected in Q3. BVES annual target is 850 poles intrusively inspected in 2023

**Key Actions:** No poles were inspected in Q1.

Asset Inspection  
GD\_32  
**Substation Inspections  
On Track**

### **Substation Inspections:**

**Volume vs Q1 2023 Goal:** BVES planned to complete 36 substation inspections in Q1. BVES was able to complete 36 substation inspections in Q1

**Key Actions:** BVES was able to complete 36 substation inspections. BVES is currently on track for its target in 2023

Equipment Maintenance  
and Repair  
GD\_33  
**On Track**

### **Equipment Maintenance and Repair:**

**Volume vs 2023 Goal:** This is an as needed program for BVES and covers all maintenance of equipment in BVES service territory.

**Key Actions:** BVES performed as needed maintenance throughout the first quarter of 2023.



# WMP Activities Status vs. WMP Activity Goals

## Grid Design, Operations & Maintenance

<p>Asset Management and Inspection Enterprise System(s) GD_34 <b>Distribution Management Center</b></p>	<p><b>Asset Management and Inspection Enterprise System(s):</b> <b>Volume vs 2023 Goal:</b> The Asset Management and Inspection Enterprise System is an ongoing activity for BVES. Currently its systems are standalone but due to BVES's size this is not a major concern. <b>Key Actions:</b> BVES continue to evaluate the need for automate and master systems as it relates to asset management and inspection.</p>	<p>Personnel Work Procedures and Training in Conditions of Elevated Fire Risk GD_39 <b>On Track</b></p>	<p><b>Personnel Work Procedures and Training in Conditions of Elevated Fire Risk:</b> <b>Volume vs 2023 Goal:</b> For 2023 BVES plans to review and if necessary, update its procedure. This will be an annual process. BVES will also verify the training of all responsible staff members. <b>Key Actions:</b> BVES began to review its procedure in Q1.</p>
<p>Quality Assurance / Quality Control GD_35 <b>Asset Quality Assurance / Quality Control</b> <b>On Track</b></p>	<p><b>Asset Quality Assurance / Quality Control:</b> <b>Volume vs Q1 2023 Goal:</b> BVES planned to complete a total of 5 asset QC's on WMP work by the end of Q1. BVES was able to complete 5 QC's by Q1. <b>Key Actions:</b> BVES was able to complete 5 asset QC's. BVES is currently on track for 2023.</p>	<p>Distribution Pole Replacement and Reinforcement GD_4 <b>Distribution Pole Replacement and Reinforcement</b> <b>On Track</b></p>	<p><b>Distribution Pole Replacement and Reinforcement:</b> <b>Volume vs 2023 Goal:</b> BVES planned to complete a total of 25 pole replacements in Q1. BVES was able to complete 58 total pole replacements. <b>Key Actions:</b> BVES was able to complete 58 pole replacements in Q1, placing the program 32 poles ahead of schedule.</p>
<p>Open Work Orders GD_36 <b>Asset Open Work Orders</b> <b>On Track</b></p>	<p><b>Asset Open Work Orders:</b> <b>Volume vs 2023 Goal:</b> For 2023 BVES has a goal to have no work orders exceeding the GO 95 timeframe. <b>Key Actions:</b> BVES did not have any work orders that exceeded the GO 95 timeframe in Q1.</p>	<p>Workforce Planning GD_40 <b>Asset Workforce Planning</b> <b>On Track</b></p>	<p><b>Asset Workforce Planning:</b> <b>Volume vs 2023 Goal:</b> For 2023 BVES has a goal to verify that the wildfire related positions are appropriately staffed. This review is conducted quarterly <b>Key Actions:</b> BVES reviewed and verified that the appropriate staffing levels exist for wildfire related positions.</p>
<p>Equipment Settings to Reduce Wildfire Risk GD_37 <b>On Track</b></p>	<p><b>Equipment Settings to Reduce Wildfire Risk:</b> <b>Volume vs 2023 Goal:</b> For 2023 BVES plans to review its equipment settings on a regular basis and evaluate the need for modified settings. <b>Key Actions:</b> BVES reviewed the equipment settings in Q1.</p>	<p>Distribution Pole Replacement and Reinforcement GD_5 <b>Radford Line Replacement Project</b> <b>On Track</b></p>	<p><b>Distribution Pole Replacement and Reinforcement (Radford Line Replacement Project):</b> <b>Volume vs 2023 Goal:</b> BVES planned to replace 0 poles in Q1. The program target for Radford Line Replacement Project pole replacement is 70 by the end of 2023 <b>Key Actions:</b> BVES scheduled zero pole replacements in Q1. The pole replacement schedule for Radford is contingent on the US Forest Service permitting process.</p>
<p>Grid Response Procedures and Notifications GD_38 <b>On Track</b></p>	<p><b>Grid Response Procedures and Notifications:</b> <b>Volume vs 2023 Goal:</b> For 2023 BVES plans to review and if necessary, update its procedure. This will be an annual process <b>Key Actions:</b> BVES began to review its procedure in Q1.</p>		



# WMP Activities Status vs. WMP Activity Goals

## Grid Design, Operations & Maintenance

Distribution Pole Replacement and Reinforcement  
GD\_6  
Evacuation Route Hardening Project  
**Complete**

### **Asset Quality Assurance / Quality Control:**

**Volume vs Q1 2023 Goal:** BVES planned to complete a total of 250 poles hardened with Wire Mesh in Q1. BVES was able to complete 500 poles hardened with Wire Mesh Q1.

**Key Actions:** BVES was able to complete 500 poles hardened with Wire Mesh. BVES has completed its target for 2023.

Traditional Overhead Hardening  
GD\_8  
**On Track**

### **Traditional Overhead Hardening:**

**Volume vs 2023 Goal:** This is an as needed program for BVES. There is a budget allocation for the year based on history but no specifically tracked tasks. Overhead hardening work is performed as needed in response to inspection findings and emergent conditions.

**Key Actions:** BVES conducted as needed maintenance throughout Q1.

Transmission Pole/Tower Replacement and Reinforcement  
GD\_7  
**Not Applicable**

### **Transmission Pole/Tower Replacement and Reinforcement:**

**Volume vs 2023 Goal:** BVES does not own or operate any transmission assets.

**Key Actions:** N/A.

Emerging Grid Hardening Technology Installations and Pilots  
GD\_9  
**Not Started**

### **Emerging Grid Hardening Technology Installations and Pilots:**

**Volume vs 2023 Goal:** Currently no projects in the initiative. BVES will discuss opportunities with partner utilities on the effectiveness of such technologies.

**Key Actions:** No project activity is planned for 2023 in this area.

# WMP Activities Status vs. WMP Activity Goals

## Situational Awareness & Forecasting

Environmental Monitoring Systems  
SAF\_1  
**Advanced Weather Monitoring and Weather Stations**  
**On Track**

**Advanced Weather Monitoring and Weather Stations:**  
**Volume vs 2023 Goal:** BVES completed the installation of all planned Weather Stations in 2022. This program has transitioned to maintaining normal operation of said equipment.  
**Key Actions:** BVES determined all the maintenance needs of the weather equipment were met in Q1.

Grid Monitoring Systems  
SAF\_2  
**Fault Indicator Instillation**  
**Ahead of Plan**

**Fault Indicator Instillation:**  
**Volume vs Q1 2023 Goal:** BVES planned to complete a total of 5 fault indicator installations by the end of Q1. BVES was able to complete 35 installations by Q1.  
**Key Actions:** BVES was able to complete 35 fault indicator installations. BVES is currently ahead of plan for 2023.

Grid Monitoring Systems  
SAF\_3  
**Online Diagnostic System**  
**On Track**

**Online Diagnostic System:**  
**Volume vs 2023 Goal:** BVES plans to install online diagnostic capabilities on 1 circuit in 2023, and that will occur in Q4.  
**Key Actions:** No online diagnostic capability installation are schedule until Q4.

Ignition Detection Systems  
SAF\_4  
**HD ALERTWildfire Cameras**  
**Complete**

**HD ALERTWildfire Cameras:**  
**Volume vs 2023 Goal:** BVES completed the installation of all planned HD ALERTWildfire Cameras in 2022. BVES provides O&M support as requested by USCD (HD ALERTWildfire Camera owner).  
**Key Actions:** All cameras are in operation providing complete and overlapping coverage of the BVES service territory.

Weather Forecasting  
SAF\_5  
**On Track**

**Weather Forecasting:**  
**Volume vs 2023 Goal:** BVES employs a weather consultant and uses Technosylva's WFA-E application as its modeling software for wildfire spread potential based off current weather conditions.  
**Key Actions:** This is an ongoing effort that continued throughout Q1.

Fire Potential Index  
SAF\_6  
**On Track**

**Fire Potential Index:**  
**Volume vs 2023 Goal:** BVES is currently using NFDRS for its FPI but is transitioning to have Technosylva develop a BVES specific FPI.  
**Key Actions:** BVES is worked with Technosylva to develop a scope of work for the FPI development project.

# WMP Activities Status vs. WMP Activity Goals

## Vegetation Management & Inspection

Vegetation Inspections  
VM\_1  
**Detailed Inspection  
Ahead of Plan**

### **Detailed Inspection:**

**Volume vs Q1 2023 Goal:** BVES planned to complete a total of 55 circuit miles of inspection by the end of Q1. BVES was able to complete 57 circuit miles by Q1.

**Key Actions:** BVES was able to complete 57 circuit miles of inspection. BVES is currently ahead of projection for 2023.

Vegetation Inspection  
VM\_2  
**Patrol Inspection  
Ahead of Plan**

### **Patrol Inspection:**

**Volume vs Q1 2023 Goal:** BVES planned to complete a total of 52 circuit miles of inspection by the end of Q1. BVES was able to complete 71 circuit miles by Q1.

**Key Actions:** BVES was able to complete 71 circuit miles of inspection. BVES is currently ahead of projection for 2023.

Vegetation Inspection  
VM\_3  
**UAV HD Photography /  
Videography  
On Track**

### **UAV HD Photography / Videography:**

**Volume vs 2023 Goal:** BVES plans to conduct 206.7 circuit miles of inspection in Q3. BVES annual target is 206.7 circuit miles in 2023.

**Key Actions:** No circuit miles were inspected in Q1.

Vegetation Inspection  
VM\_4  
**LiDAR Inspection  
On Track**

### **LiDAR Inspection:**

**Volume vs 2023 Goal:** BVES plans to conduct 206.7 circuit miles of inspection in Q3. BVES annual target is 206.7 circuit miles in 2023.

**Key Actions:** No circuit miles were inspected in Q1.

Vegetation Inspection  
VM\_5  
**3<sup>rd</sup> Party Ground Patrol  
On Track**

### **3<sup>rd</sup> Party Ground Patrol:**

**Volume vs 2023 Goal:** BVES plans to conduct 206.7 circuit miles of inspection in Q3. BVES annual target is 206.7 circuit miles in 2023.

**Key Actions:** No circuit miles were inspected in Q1.

Vegetation Inspection  
VM\_6  
**Substation Inspections  
On Track**

### **Substation Inspections:**

**Volume vs Q1 2023 Goal:** BVES planned to complete 36 substation inspections in Q1. BVES was able to complete 36 substation inspections in Q1.

**Key Actions:** BVES was able to complete 36 substation inspections. BVES is currently on track for its target in 2023.

Pole Clearing  
VM\_7  
**On Track**

### **Pole Clearing:**

**Volume vs 2023 Goal:** BVES has an established pole clearing program. Throughout the year BVES reviews the procedure and updates it if the need arises.

**Key Actions:** BVES continues to evaluate where pole clearing is necessary and takes action.

Wood and Slash  
Management  
VM\_8  
**On Track**

### **Wood and Slash Management:**

**Volume vs 2023 Goal:** BVES contracts its vegetation clearing to a 3<sup>rd</sup> party contractor. The contractor is responsible for meeting the waste removal requirements.

**Key Actions:** BVES verified that the contractor adhered to the waste removal requirements outlined in the contract.

Clearance  
VM\_9  
**Off Track**

### **Vegetation Clearance:**

**Volume vs Q1 2023 Goal:** BVES planned to complete 18 circuit miles of clearing in Q1. BVES was able to complete 13 circuit miles in Q1

**Key Actions:** BVES was able to complete 13 circuit miles. In Q1 BVES experienced significantly higher than average storm weather and snow accumulation, which significantly hindered vegetation clearance work. BVES is confident it will achieve it will make up the missed 5 circuit miles and achieve its annual target.

Fall-In Mitigation  
VM\_10  
**Ahead of Plan**

### **Fall-In Mitigation:**

**Volume vs Q1 2023 Goal:** BVES planned to complete 18 tree remediation's or removal's to prevent fall-in in Q1. BVES was able to complete 32 tree remediation's or removal's in Q1.

**Key Actions:** BVES was able to complete 32 remediation's or removals. BVES is currently ahead of plan for its target in 2023.

# WMP Activities Status vs. WMP Activity Goals

## Vegetation Management & Inspection

Substation Defensible Space  
VM\_11  
**On Track**

### **Substation Defensible Space:**

**Volume vs Q1 2023 Goal:** BVES's contracted vegetation resource conducts regular clearing to verify compliance with the GO requirements. BVES's Substation Inspection program verifies compliance.

**Key Actions:** BVES was able to complete 36 substation inspections and had zero planned abetments for Q1 of 2023.

High-Risk Species  
VM\_12  
**On Track**

### **High-Risk Species:**

**Volume vs 2023 Goal:** BVES conducts as needed remediation of high-risk species in its service territory. There are no specific program targets for 2023.

**Key Actions:** BVES will take action as inspection findings and VM crews identify high-risk species throughout 2023.

Fire-Resilient Right-of-Ways  
VM\_13  
**On Track**

### **Fire-Resilient Right-of-Ways:**

**Volume vs 2023 Goal:** BVES's contracted vegetation resource (forester) conducts regular inspections to verify compliance with requirements and to seek opportunities to make right of ways more resilient.

**Key Actions:** BVES will take action vegetation resource's recommendations in this area.

Emergency Response Vegetation Management  
VM\_14  
**On Track**

### **Emergency Response Vegetation Management:**

**Volume vs 2023 Goal:** BVES's contracted vegetation contractor's crews are contractually available on an as needed basis for disaster or emergency event vegetation management.

**Key Actions:** BVES mobilize and dispatch VM crews as needed in 2023.

Vegetation Management Enterprise System  
VM\_15  
**On Track**

### **Vegetation Management Enterprise System:**

**Volume vs 2023 Goal:** The Vegetation Management Enterprise System is an ongoing activity for BVES. Currently its systems are standalone but due to BVES's size this is not a major concern.

**Key Actions:** BVES continue to evaluate the need for automated and master systems as it relates to vegetation management.

Quality Assurance / Quality Control  
VM\_16  
**Vegetation Management Quality Assurance / Quality Control**  
**On Track**

### **Vegetation Management Quality Assurance / Quality Control:**

**Volume vs Q1 2023 Goal:** BVES planned to complete 2 vegetation management audits by the end of Q1 (annual audit and quarterly audit). BVES was able to complete the 2 audits by Q1.

**Key Actions:** BVES was able to complete the 2 audits. BVES is currently on track complete its audits per its schedule for 2023.

Open Work Orders  
VM\_17  
**Vegetation Management Open Work Orders**  
**On Track**

### **Vegetation Management Open Work Orders:**

**Volume vs 2023 Goal:** For 2023 BVES has a goal to have no work orders exceeding the GO 95 Rule 18 corrective action timeframe.

**Key Actions:** BVES did not have any work orders that exceeded the GO 95 timeframe in Q1.

Workforce Planning  
VM\_18  
**Vegetation Management Workforce Planning**  
**On Track**

### **Vegetation Management Workforce Planning:**

**Volume vs 2023 Goal:** For 2023 BVES has a goal to verify that the wildfire related positions are appropriately staffed. This review is conducted quarterly

**Key Actions:** BVES reviewed and verified that the appropriate staffing levels exist for wildfire related positions.