



Bear Valley Electric Service, Inc.
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A Subsidiary of American States Water Company

February 3, 2025

Via E-Mail

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Docket #2024-SCs

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

Subject: Bear Valley Electric Service, Inc.'s Quarterly Notification Pursuant to Public Utilities Code section 8389(e)(7)

Background: Public Utilities Code (“PUC”) section 8389(e) establishes the requirements for annual safety certifications, including quarterly notification of the Office of Energy Infrastructure Safety and an information-only submittal of the same notification to the California Public Utilities Commission regarding an electrical corporation's progress in implementing its approved wildfire mitigation plan and the recommendations from its most recent safety culture assessments (pursuant to both PUC section 8386.2 and section 8389[d][4]), a statement of the recommendations of the board of directors safety committee from meetings that occurred during the quarter, and a summary regarding the progress in implementing the safety committee recommendations from the electrical corporation’s previous quarterly notification and information-only submittal.

Discussion

1. Quarterly Information-Only Submittal to the CPUC.

Bear Valley is simultaneously submitting this quarterly notification to the California Public Utilities Commission as an information-only submittal via email to Executive Director Rachel Peterson at Rachel.peterson@cpuc.ca.gov, Safety Policy Division at safetypolicycentralfiles@cpuc.ca.gov, and serving the following service lists: Order Instituting Rulemaking (R.) 21-10-001 (Order Instituting Rulemaking to Develop Safety Culture Assessments for Electric and Natural Gas Utilities), R.18-10-007 (Order Instituting Rulemaking to Implement Electric Utility Wildfire Mitigation Plans Pursuant to Senate Bill 901), or their successors, and the service lists for Bear Valley’s most recent general rate case (GRC) application proceeding A.22-08-010. Additionally, this filing will be posted to the BVES website at <https://www.bvesinc.com/safety/wildfire-mitigation-plan>.

Q4 2024 Notification Letter

2. Quarterly Progress Report on WMP Implementation.

Bear Valley tracks 77 initiatives proposed in its 2023-2025 Wildfire Mitigation Plan (“WMP”). Bear Valley’s WMP initiatives are designed to mitigate the risk of wildfire due to a fault on the electric system and reduce the risk of Public Safety Power Shut-offs (PSPS) to customers. These mitigations are categorized across six categories within the WMP, which are: Grid Design, Operations and Maintenance, Vegetation Management and Inspections, Situational Awareness and Forecasting, Emergency Preparedness, Community Outreach and Engagement, Overview of the Service Territory, and Risk Methodology and Assessment.

In Attachment A, Bear Valley provides an initiative summary of progress for individual mitigation measures during Q4 2024. Bear Valley’s quarterly initiative summary presentation includes information submitted to the OEIS under the Quarterly Data Report (“QDR”) filings for Q4 2024 prepared in accordance with Energy Safety Data Guidelines (Version 3.2) as of January 30, 2024.

2.1. Overview of Significant Achievements.

BVES made significant progress in achieving its WMP initiative targets for 2024. As of the end of Q4 2024, some of the more significant achievements were:

- Completed the Radford Line Replacement Project (“Radford Project”) by replacing 2.7 circuit miles of bare wire sub-transmission with 3.1 circuit miles of cover conductor and wood poles with high-performance covered conductor and fire resistant (ductile iron) poles located in High Fire Threat District Tier 3 (“extreme fire risk”).
- Replaced 13.32 circuit miles of bare wire with covered conductor, which exceeds the 2024 target of 12.9 circuit miles.
- Replaced 262 poles, which exceeds the 2024 target of 200 poles.
- Installed fire-resistant wire mesh on 1,095 wood poles exceeding the 2024 target to harden 500 poles along the evacuation routes.
- Removed 104 tree attachments, which exceeds the annual 2024 target of 100 tree attachments removals.
- Automated and connected to SCADA three substations, which was the target for 2024.
- Automated and connected to SCADA 10 field switches, which was the target for 2024.
- Connected to SCADA 30 fault indicators (FIs), which was the target for 2024.
- Conducted 156 substation inspections, which exceeds the 2024 target of 144 substation inspections.
- Cleared vegetation encroachment around 99.5 circuit miles, which exceeds the 2024 target of 72 circuit miles.
- Remediated or removed 182 hazard trees with fall-in risk, which exceeds the 2024 target of remediating or removing 88 trees.
- Conducted 1,013 public and outreach and education actions on PSPS and WMP, which exceeds the 2024 target of 360 public engagement actions.
- Completed the following asset inspections:
 - Detailed Inspection per GO-165 (2024 target: 51 circuit miles/actual: 51 circuit miles)
 - Patrol Inspection per GO-165 (2024 target: 205 circuit miles/actual: 205 circuit miles)

Q4 2024 Notification Letter

- UAV Thermography (2024 target: 205 circuit miles/actual: 205 circuit miles)
- UAV HD Photography/Videography (2024 target: 205 circuit miles/actual: 205 circuit miles)
- LiDAR Inspection (2024 target: 205 circuit miles/actual: 205 circuit miles)
- 3rd Party Ground Patrol (2024 target: 205 circuit miles/actual: 205 circuit miles)
- Intrusive Pole Inspection (2024 target: 850 wood poles/actual: 850 wood poles)

- Completed the following vegetation inspections:
 - Detailed Inspection per GO-165 (2024 target: 51 circuit miles/actual: 51 circuit miles)
 - Patrol Inspection per GO-165 (2024 target: 205 circuit miles/actual: 205 circuit miles)
 - UAV HD Photography/Videography (2024 target: 205 circuit miles/actual: 205 circuit miles)
 - LiDAR Inspection (2024 target: 205 circuit miles/actual: 205 circuit miles)
 - 3rd Party Ground Patrol (2024 target: 205 circuit miles/actual: 205 circuit miles)

2.2. Overview of Delays or Problems That Arose.

Two initiatives, Fuse TripSaver Automation Project and Capacitor Bank Upgrade Project are behind their 2024 targets as follows:

<u>Initiative</u>	<u>2024 Target</u>	<u>2024 Actual</u>
Fuse TripSaver Automation (GD 15)	50	27
Capacitor Bank Upgrade (GD-14)	6	4

These initiatives fell behind in Q2 2024 due to an unplanned loss of key staff involved in connecting these systems to the SCADA network. While the staffing issues were resolved and Bear Valley had implemented a detailed plan to get these initiatives back on track, additional challenges developed in Q3 2024. The challenges included key staff being impacted by COVID, key staff and contractors being impacted by the Line Fire (mandatory evacuations and closure of roads to Big Bear Lake during September 2024), a break in underground fiber optic conduit at one of the data communications nodes, and problems with radio data transfer routes (line of sight issues). Despite these challenges, BVES did make progress on these initiatives. The following is the status of these two initiatives:

- Fuse TripSaver Automation (GD_15): All 50 Fuse TripSavers are installed in the system and operating with local control. 27 of the Fuse TripSavers are connected to SCADA. Due to radio data transfer routes (line of sight issues), the remaining devices will need to be connected to the network using cellular data transfer. Once the communications challenges are resolved, BVES expects to have the remaining 23 Fuse TripSavers connected to SCADA by the end of Q2 2025.
- Capacitor Bank Upgrade (GD-14): All 6 capacitor banks were installed in the system and are operating. All of the hardware to automate them has been installed. 4 of 6 are connected to SCADA and the remaining 2 are expected to be connected to SCADA by the end of Q1 2025.

3. Quarterly Progress Report on Implementing Safety Culture Assessment Recommendations.

Q4 2024 Notification Letter

On March 22, 2024, Energy Safety issued the 2023 Safety Culture Assessment (SCA) report for BVES. On March 25, 2024, Bear Valley issued a letter to Energy Safety formally accepting the SCA report's recommendations. The 2023 SCA report has three recommendations as follows:

Refine Contractor Strategic Improvement Plan: Energy Safety finds that BVES should continue to act on the 2022 SCA recommendation on reviewing and refining its current strategic improvement plan to address gaps in overall safety culture for contractors in collaboration with its contractors. BVES should continue its progress towards this goal and should propose ways to improve contractor relationships with BVES supervisors and contractor empowerment to address problems in a timely fashion. BVES should continue making improvements to its efforts to onboard, train, and otherwise engage contractors in its strategic plan. BVES should consider the role of BVES supervisors in listening to, supporting, and empowering contractors. The BVES improvement plan should include measures like listening sessions to better understand and respond to contractor perceptions, increased presence of leadership at job sites to witness challenges encountered by contractors, and increased training to improve the ability of frontline supervisors to communicate effectively with contractors and ultimately improve the safety culture among contractors. Energy Safety notes that the goals of this recommendation are to continue progress on improving supervisory support and guidance for BVES contractors and increase contractor empowerment to respond to problems in a timely fashion.

In response to this recommendation, BVES has implemented a strategy to further improve contractor safety culture as follows:

- Bear Valley reviewed the SCA reports for 2021, 2022, and 2023 regarding contractor performance at BVES and at California electric investor owned utilities (IOUs) and found the results at BVES (1) unchanged over the last three years and (2) were consistently lower than the other IOUs that performed similar SCAs over the last three years.
- BVES is building upon the measures it has already put in place to improve contractor safety culture and will add in the following additional actions:
 - Meet with contractor leadership and go over the 2023 SCA as well as past SCAs. (Completed in June 2024)
 - Conduct listening sessions to better understand and respond to contractor perceptions. (Completed in November 2024.)
 - Increase presence of leadership at job sites to witness challenges encountered by contractors. (Implemented in July 2024 and ongoing.)
 - Increase training to improve the ability of frontline supervisors to communicate effectively with contractors and ultimately improve the safety culture among contractors. (Completed in July 2024.)
 - Conduct training to make sure contractors understand how their work is an integral part of the BVES Wildfire Mitigation Plan and impacts public safety. (Completed in November 2024.)
 - Reach out to other investor owned utilities (IOUs) to develop best practices for improving contractor safety culture. (Completed in January 2025.)
 - Add "Contractor Engagement Strategy" as a BVES Safety Culture Objective in Bear Valley's 3-year Safety Culture Plan (fully achieve objective by 2026). (Completed in September 2024.)

Q4 2024 Notification Letter

Address Safety Culture Opportunities for the Design and Construction Business Unit:

Energy Safety states BVES should develop and implement a strategic improvement plan to address the workforce survey result indicating that Engineering and Planning 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 need support in focusing and avoiding distractions. In 2022 a similar recommendation addressed the Design and Construction business unit's relatively low scores on the workforce survey, indicating a less positive experience of safety culture than other employees: BVES should also continue looking at how safety culture perceptions might differ in that business unit and how that unit might require additional support. Energy Safety notes that the goals of this recommendation are to improve the safety culture in the Engineering & Planning business unit, bringing it into alignment with the safety culture in other BVES business units.

In response to this recommendation, BVES implemented a strategy to address the 2023 SCA workforce survey result indicating that Engineering & Planning employees have a less positive experience of safety culture in the wildfire mitigation work context than other employees. The strategy builds upon actions taken to improve the Design and Construction business unit's relatively low scores on the 2022 SCA workforce survey and includes the following actions:

- Conduct listening sessions to better understand and respond to Engineering & Planning perceptions. (Completed in July 2024. Scheduling another session in February 2025.)
- Conduct one-on-one meetings between the BVES President and Engineering & Planning employees to further gauge their safety culture views and refine plan to improve their safety culture. These sessions are designed to be open two-way conversations and to solicit employee inputs and perceptions on safety culture at BVES. (Completed in September 2024. One-on-one employee meetings is now an ongoing process year round.)
- Increase training to reinforce the elements that promote improved safety culture and safety related communications. For example, BVES President will continue to make it clear to all employees, including the Engineering & Planning group, that:
 - No job should start until everyone on the team understands the task at hand and safety precautions and is satisfied that the safety precautions being taken are appropriate and more than sufficient;
 - No job should be performed in a manner below the Company's high standards that might in any way compromise worker or public safety;
 - Any employee is fully empowered to stop work and has the duty to do so, if they believe public or worker safety is at risk or being compromised;
 - While the Company has set challenging WMP initiative targets, the drive to achieve these targets should never serve as a cause to compromise the Company's high standards and put worker or public safety at risk;
 - Discuss the importance of focusing on one task at a time and avoiding distractions. Explain while multi-tasking is present in our daily work, employees should still only focus on one task at a time and avoid distractions. If conflicts arise, employees should stop work and alert their Supervisor for further guidance; and
 - Conduct training to make sure Engineering & Planning employees understand how their work is an integral part of the BVES Wildfire Mitigation Plan and impacts public safety. (Completed in November 2024.)

Q4 2024 Notification Letter

Strengthen Safety-Enabling Systems: Energy Safety indicates BVES should continue to act on the 2022 SCA recommendation to strengthen its safety-enabling systems by improving protocols for responding to safety events (near misses and hazards), including their reporting and management. In connection with this, BVES should further develop its “Empowered Employees” 3-year objective, described in its 2023 safety culture objectives, to improve employee understanding of the importance of reporting unsafe conditions and monitoring the number and quality of near miss and hazard reporting. In addition, BVES should conduct at least one training session on near-miss reporting protocols. BVES should identify and address any barriers to reporting within its safety-enabling systems (procedures, software, communication, etc.). Energy Safety notes that the goals of this recommendation are to improve employee understanding of the importance of and process for submitting safety event (near-miss and hazard) reports and to promote continuous learning.

In response to this recommendation, BVES has implemented the following plan of action to Strengthen Safety-Enabling Systems:

- Develop and implement improved protocols for responding to safety events (near misses and hazards), including their reporting and management. (Completed June 2024. “Near Misses” are now referred to as “Improvement Opportunities” at BVES to encourage employees to self-report.)
- Further develop BVES’s “Empowered Employees” 3-year objective, described in BVES’s 2023 safety culture objectives, to improve employee understanding of the importance of reporting unsafe conditions and monitoring the number and quality of near miss and hazard reporting. (Completed in November 2024.)
- Conduct at least one training session on near-miss reporting protocols. BVES should identify and address any barriers to reporting within its safety-enabling systems (procedures, software, communication, etc.). (Completed August 2024.)
- Incorporate “improvement opportunities” (near-miss and hazard) reporting into Bear Valley’s behavior based safety program implementation. (completed in January 2025.)
- Set up training class to introduce Behavioral Based Training for the operations crews. (Scheduled for February 2025.)

4. Board of Directors Safety and Operations Committee Recommendations.

4.1. Recommendations from the Most Recent Quarter.

During Q4 2024, the Safety and Operations Committee (“Safety Committee”) met once on November 20, 2024. The Safety Committee reviewed resourcing of WMP initiatives for 2025 and 2026 and decided the 2025 initiatives were adequately resourced and that the 2026 WMP initiatives would be resourced at the next regular Safety Committee meeting in February 2025 or sooner in unanimous written consent procedures or special Committee meeting following the expected CPUC approval of BVES’s General Rate Case for rates in 2023 to 2026.

4.2. Progress on Previous Recommendations.

At the Safety Committee meeting on August 22, 2024, the Safety Committee recommended approval of an increase to the 2025 Capital Investment budget so that BVES management could

Q4 2024 Notification Letter

order long-lead equipment and material to support the WMP grid hardening projects to further reduce the risk of wildfire and PSPS events. This recommendation was approved by the BVES Board of Directors so that BVES management could continue to execute its grid hardening projects to further reduce the risk of wildfire and PSPS events. This recommendation was fully implemented by BVES management.

There are no outstanding or unresolved prior Safety Committee recommendations.

4.3. Summary of Significant Topics Covered at Safety And Operations Committee Meetings.

On November 20, 2024, the Safety Committee heard presentations and conducted discussions on the following topics of significance on current safety items at BVES including:

- Wildfire Mitigation Plan compliance;
- WMP initiative targets, progress on achieving the targets, resourcing WMP initiatives, and challenges in executing WMP initiative targets;
- Status of implementing 2023 SCA recommendations;
- Safety certification and progress in achieving the requirements to obtain a safety certification;
- Safety metrics and performance; and
- Funding and resourcing of WMP initiatives.

Sincerely,

/s/ Paul Marconi
President, Treasurer and Secretary
Bear Valley Electric Service, Inc.
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Attachment A

Initiative Summary of Progress for Individual Mitigation Measures during Q4 2024



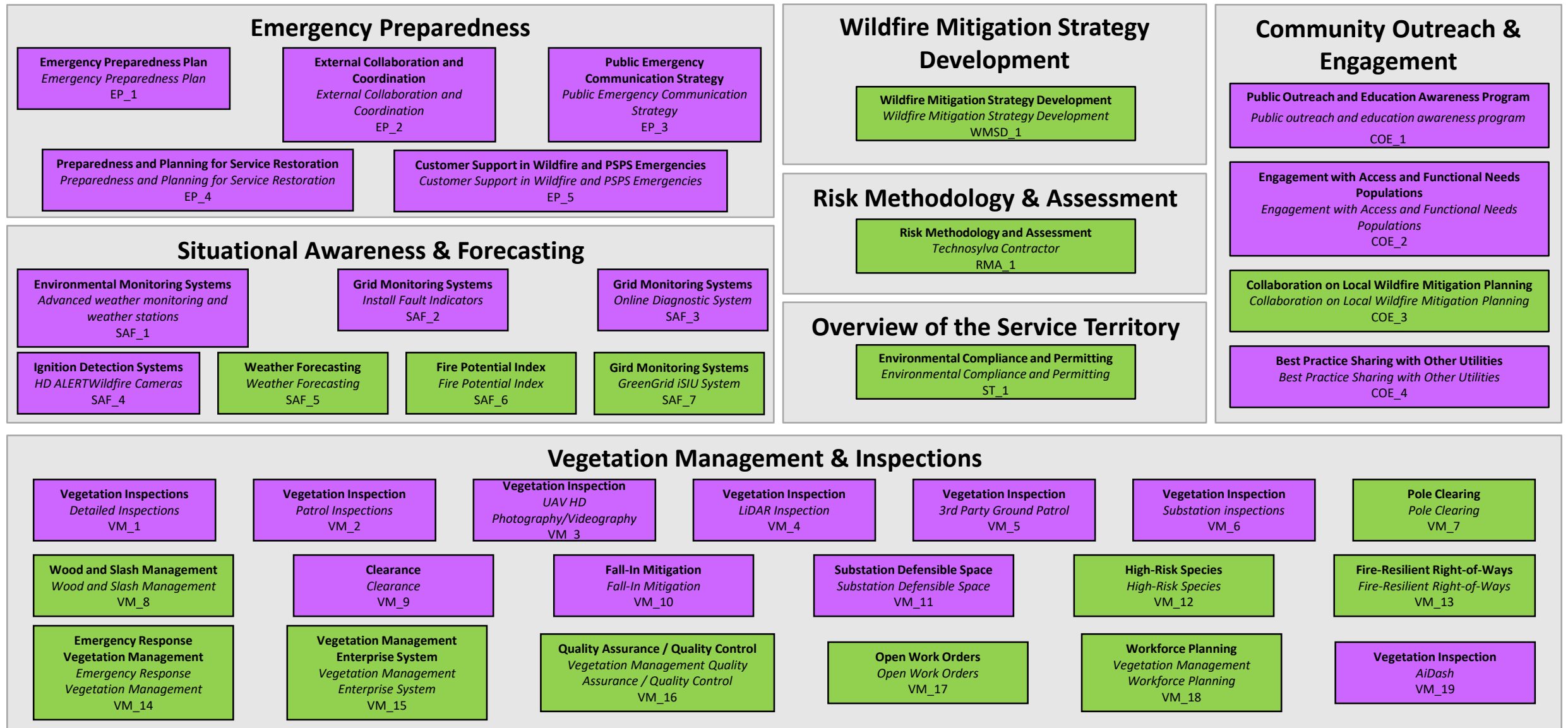
Wildfire Mitigation Plan Quarterly Notification Letter Initiatives Update

Bear Valley Electric Service, Inc.

Q4 2024

WMP Activity Summary

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

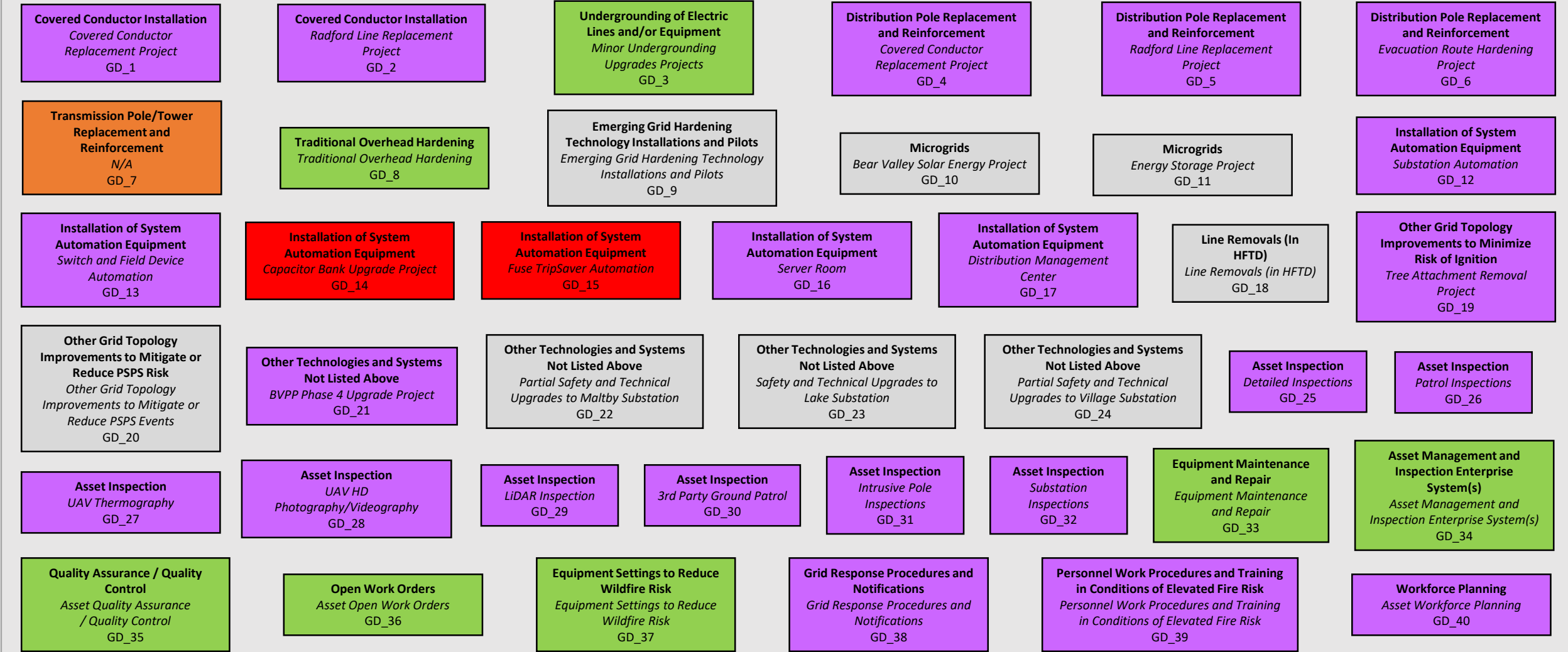


(* Not Currently Scheduled – BVES included this Status Icon to indicate where an initiative is not currently identified for this WMP cycle, or, that it is not applicable (BVES does not own or operate assets equal to or greater than 65kV).

WMP Activity Summary

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

Grid Design, Operations & Maintenance



(* 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

Emergency Preparedness

<p>Emergency Preparedness Plan EP_1</p> <p>Established / Ongoing</p>	<p>External Collaboration and Coordination EP_2</p> <p>Established / Ongoing</p>	<p>Public Emergency Communication Strategy EP_3</p> <p>Established / Ongoing</p>	<p>Preparedness and Planning for Service Restoration EP_4</p> <p>Established / Ongoing</p>	<p>Customer Support in Wildfire and PSPS Emergencies EP_5</p> <p>Established / Ongoing</p>	<p>Emergency Preparedness and Response Program and PSPS Plan: Volume vs 2024 Goal: BVES did not record an emergencies in Q4 of 2024. 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.</p>
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Community Outreach & Engagement

<p>Public Outreach and Education Awareness Program COE_1</p> <p>Completed</p>	<p>Public Outreach and Education Awareness Program: Volume vs 2024 Goal: BVES planned to conduct a minimum of 360 outreach activities in 2024. Key Actions: BVES conducted 1,013 outreach activities as of the end of Q4 exceeding its annual target. This initiative is considered completed for 2024.</p>	<p>Collaboration on Local Wildfire Mitigation Planning COE_3</p> <p>On Track</p>	<p>Collaboration on Local Wildfire Mitigation Planning: Volume vs 2024 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. These are ongoing activities.</p>
<p>Engagement with Access and Functional Needs Populations COE_2</p> <p>Completed</p>	<p>Engagement with Access and Function Needs (AFN) Populations: Volume vs 2024 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. As of Q4 BVES verified the AFN list, and associated needs 26 times exceeding its annual target 12. This initiative is considered completed for 2024.</p>	<p>Best Practice Sharing with Other Utilities COE_4</p> <p>Completed</p>	<p>Best Practice Sharing with Other Utilities: Volume vs 2024 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 attended 135 conferences, working groups and meetings as of the end of Q4 exceeding its annual target. This initiative is considered completed for 2024.</p>

WMP Activities Status vs. WMP Activity Goals

Situational Awareness & Forecasting

Environmental Monitoring Systems
SAF_1
Advanced Weather Monitoring and Weather Stations Completed

Advanced Weather Monitoring and Weather Stations:
Volume vs 2024 Goal: BVES completed the installation of all planned Weather Stations in 2022. This program has transitioned to maintaining normal operation of said equipment. As of late 2023 BVES has established a maintenance program for the weather stations.
Key Actions: BVES determined all the 2024 maintenance needs of the weather equipment were met in Q3.

Grid Monitoring Systems
SAF_2
Fault Indicator Instillation Completed

Fault Indicator Instillation:
Volume vs 2024 Goal: BVES plans to connect 30 fault indicators to SCADA in 2024.
Key Actions: BVES connected 30 fault indicators planned for 2024. BVES has completed this initiative for 2024.

Grid Monitoring Systems
SAF_3
Online Diagnostic System Completed

Online Diagnostic System:
Volume vs 2024 Goal: BVES plans to install online diagnostic capabilities on 1 circuit in 2024, and that will occur in Q3.
Key Actions: BVES installed 1 online diagnostic capability on a circuit in 2024. BVES has completed this initiative for 2024.

Ignition Detection Systems
SAF_4
HD ALERTWildfire Cameras Completed

HD ALERTWildfire Cameras:
Volume vs 2024 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 2024 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 Q4.

Fire Potential Index
SAF_6
On Track

Fire Potential Index:
Volume vs 2024 Goal: As of late 2023 BVES has transitioned to using the FPI developed by Technosylva as part of its daily operations.
Key Actions: Daily BVES operations monitors the FPI data to make critical operations decisions as it relates to wildfire risk

Grid Monitoring Systems
SAF_7
GreenGrid iSIU System On Track

GreenGrid iSIU System:
Volume vs 2024 Goal: BVES has installed GreenGrid iSIU System nodes on two circuits in BVES service territory. In 2024 BVES will evaluate the need for additional circuits to receive GreenGrid iSIU nodes.
Key Actions: BVES continued to evaluate the need for installation of additional nodes on circuits within BVES service territory.

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:

2024 Goal: For 2024 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 have been conducted on a monthly basis.

Overview of the Service Territory

Environmental Compliance and
Permitting
ST_1
On Going

Environmental Compliance and Permitting:

2024 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 and projects are being conducted as needed.

Wildfire Mitigation Strategy Development

Wildfire Mitigation Strategy
Development
WMSD_1
On Going

Wildfire Mitigation Strategy Development:

2024 Goal: For 2024 BVES plans to update and issue its 2023-2025 Base WMP for approval. Following approval, the WMP will be posted to its website for public viewing.

Key Actions: BVES received an approval for the 2025 WMP Update from Energy Safety on October 21, 2024.

WMP Activities Status vs. WMP Activity Goals

Vegetation Management & Inspection

Vegetation Inspections
VM_1
**Detailed Inspection
Completed**

Detailed Inspection:

Volume vs 2024 Goal: BVES plans to complete 51.0 circuit miles of detailed inspection in 2024.

Key Actions: BVES completed 51.0 circuit miles of detailed inspection in 2024 meeting its annual target of 51.0 circuit miles for 2024.

Vegetation Inspection
VM_2
**Patrol Inspection
Completed**

Patrol Inspection:

Volume vs 2024 Goal: BVES plans to complete 205.0 circuit miles of patrol inspection in 2024.

Key Actions: BVES completed 205.0 circuit miles of patrol inspection in 2024 meeting the annual target of 205.0 circuit for 2024.

Vegetation Inspection
VM_3
**UAV HD Photography /
Videography
Completed**

UAV HD Photography / Videography:

Volume vs 2024 Goal: BVES plans to conduct 205.0 circuit miles of UAV HD Photography/Videography inspection in 2024.

Key Actions: BVES completed 205.0 circuit miles of UAV HD Photography/Videography inspection in Q3 and has completed this initiative for 2024.

Vegetation Inspection
VM_4
**LiDAR Inspection
Completed**

LiDAR Inspection:

Volume vs 2024 Goal: BVES plans to conduct 205.0 circuit miles of LiDAR inspection in 2024.

Key Actions: BVES completed 205.0 circuit miles of LiDAR inspection in Q3 and has completed this initiative for 2024.

Vegetation Inspection
VM_5
**3rd Party Ground Patrol
Completed**

3rd Party Ground Patrol:

Volume vs 2024 Goal: BVES plans to conduct 205.0 circuit miles of 3rd party ground patrol inspection in 2024.

Key Actions: BVES completed 205.0 circuit miles of 3rd party ground patrol inspection in Q3 and has completed this initiative for 2024.

Vegetation Inspection
VM_6
**Substation Inspections
Completed**

Substation Inspections:

Volume vs 2024 Goal: BVES plans to conduct 144 substation inspections in 2024.

Key Actions: BVES conducted 156 substation inspections exceeding its annual target of 144 has completed the this goal for 2024.

Pole Clearing
VM_7
On Track

Pole Clearing:

Volume vs 2024 Goal: BVES has an established pole clearing program. Throughout the year BVES reviews the procedure and updates it as needed.

Key Actions: BVES continues to evaluate where pole clearing is necessary and conducts pole clearing as required.

Wood and Slash
Management
VM_8
On Track

Wood and Slash Management:

Volume vs 2024 Goal: BVES's vegetation contractor is responsible for waste removal requirements by contract.

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

Clearance
VM_9
Completed

Vegetation Clearance:

Volume vs 2024 Goal: BVES plans to complete 72 circuit miles of clearing in 2024.

Key Actions: BVES completed 99.5 circuit miles of clearing as of Q4. This initiative is considered complete for 2024

Fall-In Mitigation
VM_10
Completed

Fall-In Mitigation:

Volume vs 2024 Goal: BVES plans to remove 88 trees in 2024.

Key Actions: BVES completed 182 tree removals in 2024 exceeding its annual target of 88.

WMP Activities Status vs. WMP Activity Goals

Vegetation Management & Inspection

Substation Defensible Space
VM_11
Completed

Substation Defensible Space:
Volume vs 2024 Goal: BVES's plans to conduct 13 substation vegetation abatements in 2024.
Key Actions: BVES completed 13 substation abatements in Q3 and this initiative is completed for 2024.

High-Risk Species
VM_12
On Track

High-Risk Species:
Volume vs 2024 Goal: BVES conducts as-needed remediation of high-risk species in its service territory. There are no specific program targets for 2024.
Key Actions: BVES will act as inspection findings and VM crews identify high-risk species throughout 2024.

Fire-Resilient Right-of-Ways
VM_13
On Track

Fire-Resilient Right-of-Ways:
Volume vs 2024 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 act on vegetation resource's recommendations in this area.

Emergency Response Vegetation Management
VM_14
On Track

Emergency Response Vegetation Management:
Volume vs 2024 Goal: BVES's vegetation contractor's crews are contractually available on a short notice as needed basis for disaster or emergency event vegetation management.
Key Actions: BVES will mobilize and dispatch VM crews as needed in 2024.

Vegetation Management Enterprise System
VM_15
On Track

Vegetation Management Enterprise System:
Volume vs 2024 Goal: The Vegetation Management Enterprise System is an ongoing activity for BVES.
Key Actions: BVES continues to update its Vegetation Management Enterprise System.

Quality Assurance / Quality Control
VM_16
Vegetation Management Quality Assurance / Quality Control Completed

Vegetation Management Quality Assurance / Quality Control:
Volume vs 2024 Goal: BVES plans to complete 5 vegetation management audits in 2024.
Key Actions: BVES completed 5 audits in 2024 and has met its target for 2024.

Open Work Orders
VM_17
Vegetation Management Open Work Orders On Track

Vegetation Management Open Work Orders:
Volume vs 2024 Goal: For 2024 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 2024.

Workforce Planning
VM_18
Vegetation Management Workforce Planning On Track

Vegetation Management Workforce Planning:
Volume vs 2024 Goal: For 2024 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.

Vegetation Inspections
VM_19
AiDash Completed

AiDash:
Volume vs 2024 Goal: BVES implemented AiDash satellite inspection program and plans to have one survey of its service area in 2024.
Key Actions: AiDash satellite survey was conducted in Q3 and this initiative is completed for 2024.

WMP Activities Status vs. WMP Activity Goals

Grid Design, Operations & Maintenance

Covered Conductor Installation
GD_1
Covered Conductor Replacement Program Completed

Covered Conductor Replacement Program:
Volume vs 2024 Goal: BVES plans replace 12.9 circuit miles of bare conductors with covered conductors in 2024.
Key Actions: BVES replaced 13.32 circuit miles of bare conductors with covered conductors in 2024 exceeding the target.

Covered Conductor Installation
GD_2
Radford Line Replacement Project Completed

Radford Line Replacement Project:
Volume vs 2024 Goal: BVES plans to complete the Radford Line Replacement Project in 2024, which includes installing 2.7 circuit miles of covered conductor.
Key Actions: BVES completed 3.1 miles of covered conductor and completed the Radford Line Replacement Project in 2024. This initiative was completed.

Undergrounding of Electric Lines and/or Equipment
GD_3
Minor Undergrounding Upgrades Projects On Track

Minor Undergrounding Upgrades Projects:
Volume vs 2024 Goal: BVES conducts minor undergrounding projects on an as needed basis. There were no proposed or initiated undergrounding projects in Q4.
Key Actions: No undergrounding projects were proposed or initiated in Q4.

Distribution Pole Replacement and Reinforcement
GD_4
Distribution Pole Replacement and Reinforcement Completed

Distribution Pole Replacement and Reinforcement:
Volume vs 2024 Goal: BVES plans to complete 200 pole replacements in 2024.
Key Actions: BVES has completed 262 poles replacements in 2024 exceeding its annual target. This initiative is completed for 2024.

Distribution Pole Replacement and Reinforcement
GD_5
Radford Line Replacement Project Ahead of Plan

Distribution Pole Replacement and Reinforcement (Radford Line Replacement Project):
Volume vs 2024 Goal: BVES plans to complete the Radford Line Pole Replacement project in 2024, which includes replacing 70 poles.
Key Actions: BVES received clearance from the USFS for the project. BVES began construction in May 2024 and replaced 83 poles in 2024. This initiative is completed for 2024.

Distribution Pole Replacement and Reinforcement
GD_6
Evacuation Route Hardening Project Completed

Distribution Pole Replacement and Reinforcement:
Volume vs 2024 Goal: BVES plans to complete install wire mesh on 500 poles in 2024.
Key Actions: BVES installed wire mess wrap on 1,095 poles as of the end of Q3 exceeding its 2024 target. This initiative is completed for 2024.

Transmission Pole/Tower Replacement and Reinforcement
GD_7
Not Applicable

Transmission Pole/Tower Replacement and Reinforcement:
Volume vs 2024 Goal: BVES does not own or operate any transmission assets.
Key Actions: N/A.

Traditional Overhead Hardening
GD_8
On Track

Traditional Overhead Hardening:
Volume vs 2024 Goal: This is an as-needed program for BVES. There is budget allocation for the year based on history but no specifically tracked metrics. Overhead hardening work is performed as needed in response to inspection findings and emergent conditions.
Key Actions: BVES conducted as-needed maintenance throughout Q4.

WMP Activities Status vs. WMP Activity Goals

Grid Design, Operations & Maintenance

Emerging Grid Hardening Technology Installations and Pilots
GD_9
Not Started

Emerging Grid Hardening Technology Installations and Pilots:
Volume vs 2024 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 2024 in this area.

Microgrids
GD_10
Bear Valley Solar Energy Project
Not Started

Bear Valley Solar Energy Project:
Volume vs 2024 Goal: The Bear Valley Solar Energy Project is not scheduled for construction in 2024.
Key Actions: BVES signed an Engineering Procurement Contract with a developed and filed an application with the CPUC for the Solar Energy Project in may 2024.

Microgrids
GD_11
Energy Storage Project
Not Started

Bear Valley Energy Storage Project:
Volume vs 2024 Goal: The Energy Storage Project is not scheduled for construction in 2024.
Key Actions: BVES signed an Engineering Procurement Contract with a developed and filed an application with the CPUC for the Energy Storage Project in May 2024.

Installation of System Automation Equipment
GD_12
Substation Automation
Completed

Substation Automation:
Volume vs 2024 Goal: BVES plans to connect and automate 3 substations to SCADA in 2024.
Key Actions: BVES automated 3 substations in 2024 and has met its 2024 target.

Installation of System Automation Equipment
GD_13
Switch and Field Device Automation
Completed

Switch and Field Device Automation:
Volume vs 2024 Goal: BVES plans to connect and automate 10 field switches to SCADA in 2024.
Key Actions: BVES connected 10 field switches to SCADA in 2024. BVES has met the target of 10 meeting the target for 2024.

Installation of System Automation Equipment
GD_14
Capacitor Bank Upgrade Project
Off Track

Capacitor Bank Upgrade Project:
Volume vs 2024 Goal: BVES plans to install and automate 6 Capacitor Banks by the end of 2024.
Key Actions: BVES has installed 6 capacitor banks and connected 4 capacitor bank to SCADA as of Q4 falling short of its target of 6 for Q4.

Installation of System Automation Equipment
GD_15
Fuse TripSaver Automation
Off Track

Fuse TripSaver Automation:
Volume vs 2024 Goal: BVES plans to connect and automate 50 Fuse TripSavers to SCADA in 2024.
Key Actions: BVES connected 27 Fuse TripSavers to SCADA as of Q4 falling short of its target of 50 for Q4.

Installation of System Automation Equipment
GD_16
Server Room
Completed

Server Room:
Volume vs 2024 Goal: BVES plans to upgrade the Server Room at its main office in 2024.
Key Actions: Project is completed.

Installation of System Automation Equipment
GD_17
Distribution Management Center
Completed

Distribution Management Center:
Volume vs 2024 Goal: The Distribution Management Center Project is schedule for completion in 2025. BVES plans to be 50% complete by the end of 2024.
Key Actions: BVES is currently in the construction phase and is on track to meet its 50% project completion target for 2024.

WMP Activities Status vs. WMP Activity Goals

Grid Design, Operations & Maintenance

Line Removals (In HFTD)
GD_18

**No Planned
Projects**

Line Removals (In HFTD):

Volume vs 2024 Goal: BVES does not have any planned line removals in HFTD in 2024.

Key Actions: N/A.

Other Grid Topology
Improvements to Minimize
Risk of Ignition
GD_19

**Tree Attachment
Removal Program
Completed**

Tree Attachment Removal Program:

Volume vs 2024 Goal: BVES plans to complete 100 tree attachment removals in 2024.

Key Actions: BVES completed 104 tree attachment removals as of Q3 exceeding its target for 2024 and has completed this initiative for 2024.

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 2024 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
Completed**

BVPP Phase 4 Upgrade Project:

Volume vs 2024 Goal: The BVPP Phase 4 Upgrade Project is schedule for completion in 2024.

Key Actions: BVES completed the project in 2024.

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 2024 Goal: The Safety and Technical Upgrades to Maltby Substation is scheduled to be completed in 2025.

Key Actions: No construction action will be taken on this program in 2024. BVES is conducting project planning in 2024 and has placed all of the required equipment on order. Construction will be completed in 2025.

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 2024 Goal: The Safety and Technical Upgrades to Lake Substation is scheduled to be completed in 2026.

Key Actions: No construction action will be taken on this program in 2024. BVES is performing project planning in 2024 and expects to order equipment by the end January 2025.

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 2024 Goal: The Safety and Technical Upgrades to Village Substation is scheduled to be completed in 2027.

Key Actions: No construction action will be taken on this program in 2024. BVES will perform project planning in 2025.

Asset Inspection
GD_25

**Detailed Inspection
Completed**

Detailed Inspection:

Volume vs 2024 Goal: BVES plans to complete 51.0 circuit miles of detailed inspection in 2024.

Key Actions: BVES completed 51.0 circuit miles of detailed inspection in 2024 meeting its annual target of 51.0 circuit miles for 2024.

WMP Activities Status vs. WMP Activity Goals

Grid Design, Operations & Maintenance

Asset Inspection
GD_26
**Patrol Inspection
Completed**

Patrol Inspection:

Volume vs 2024 Goal: BVES plans to complete 205.0 circuit miles of patrol inspection in 2024.

Key Actions: BVES completed 205.0 circuit miles of patrol inspection in 2024 meeting the annual target of 205.0 circuit for 2024.

Asset Inspection
GD_27
**UAV Thermography
Completed**

UAV Thermography:

Volume vs 2024 Goal: BVES plans to conduct 205.0 circuit miles of UAV HD Thermography inspection in 2024.

Key Actions: BVES completed 205.0 circuit miles of UAV Thermography inspection in Q3 and has completed this initiative for 2024.

Asset Inspection
GD_28
**UAV HD Photography /
Videography
Completed**

UAV HD Photography/Videography:

Volume vs 2024 Goal: BVES plans to conduct 205.0 circuit miles of UAV HD Photography/Videography inspection in 2024.

Key Actions: BVES completed 205.0 circuit miles of UAV HD Photography/Videography inspection in Q3 and has completed this initiative for 2024.

Asset Inspection
GD_29
**LiDAR Inspection
Completed**

LiDAR Inspection:

Volume vs 2024 Goal: BVES plans to conduct 205.0 circuit miles of LiDAR inspection in 2024.

Key Actions: BVES completed 205.0 circuit miles of LiDAR inspection in Q3 and has completed this initiative for 2024.

Asset Inspection
GD_30
**3rd Party Ground Patrol
Completed**

3rd Party Ground Patrol:

Volume vs 2024 Goal: BVES plans to conduct 205.0 circuit miles of 3rd party ground patrol inspection in 2024.

Key Actions: BVES completed 205.0 circuit miles of 3rd party ground patrol inspection in Q3 and has completed this initiative for 2024.

Asset Inspection
GD_31
**Intrusive Pole
Inspection
Completed**

Intrusive Pole Inspection:

Volume vs 2024 Goal: BVES plans to conduct 850 intrusive pole inspections in 2024.

Key Actions: BVES completed 850 intrusive pole inspections in Q3 and has completed this initiative for 2024.

Asset Inspection
GD_32
**Substation Inspections
Completed**

Substation Inspections:

Volume vs 2024 Goal: BVES plans to conduct 144 substation inspections in 2024.

Key Actions: BVES conducted 156 substation inspections exceeding its annual target of 144 has completed the this goal for 2024.

Equipment Maintenance
and Repair
GD_33
On Track

Equipment Maintenance and Repair:

Volume vs 2024 Goal: Equipment maintenance is conducted as needed.

Key Actions: BVES conducted maintenance as needed.

Asset Management and
Inspection Enterprise
System(s)
GD_34
On Track

Asset Management and Inspection Enterprise System(s):

Volume vs 2024 Goal: The Asset Management and Inspection Enterprise System is an ongoing activity for BVES.

Key Actions: BVES continues to update its Asset Management and Inspection Enterprise System.

WMP Activities Status vs. WMP Activity Goals

Grid Design, Operations & Maintenance

Quality Assurance /
Quality Control
GD_35
**Asset Quality
Assurance / Quality
Control
Completed**

Asset Quality Assurance / Quality Control:

Volume vs 2024 Goal: BVES plans to complete 20 asset QCs on WMP work in 2024.

Key Actions: BVES completed 20 asset QCs in 2024 achieving its annual target of 20 for 2024.

Open Work Orders
GD_36
**Asset Open Work
Orders
On Track**

Asset Open Work Orders:

Volume vs 2024 Goal: For 2024 BVES has a goal to have no work orders exceeding the GO 95 timeframe.

Key Actions: BVES did not have any work orders that exceeded the GO 95 timeframe in Q4.

Equipment Settings to
Reduce Wildfire Risk
GD_37
On Track

Equipment Settings to Reduce Wildfire Risk:

Volume vs 2024 Goal: For 2024 BVES plans to review its equipment settings on a regular basis and evaluate the need for modified settings.

Key Actions: BVES reviewed the equipment settings in Q4. BVES also engaged an expert consultant to review BVES's protective settings and make recommendations to reduce the likelihood of ignitions. BVES is waiting for contractor to provide recommendation, expected to receive in January 2025.

Grid Response
Procedures and
Notifications
GD_38
Completed

Grid Response Procedures and Notifications:

Volume vs 2024 Goal: For 2024 BVES plans to review and, if necessary, update its procedures. This will be an annual process.

Key Actions: BVES completed its annual review process in 2024.

Personnel Work
Procedures and Training in
Conditions of Elevated Fire
Risk
GD_39
Completed

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

Volume vs 2024 Goal: For 2024 BVES plans to review and, if necessary, update its procedures. This will be an annual process. BVES will also verify the training of all responsible staff members.

Key Actions: BVES completed its annual review process in 2024.

Workforce Planning
GD_40
**Asset Workforce
Planning
Completed**

Asset Workforce Planning:

Volume vs 2024 Goal: For 2024 BVES has a goal to verify that wildfire related positions are appropriately staffed. This review is conducted quarterly.

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