



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

February 1, 2024

Via E-Mail

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

SUBJECT: *Q4 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, 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.

Bear Valley is simultaneously submitting this quarterly notification to the California Public Utilities Commission as an information-only submittal via email to edtariffunit@cpuc.ca.gov, Safety Policy Division to SafetyPolicyDivision@cpuc.ca.gov, and Program and Project Supervisor, Eric Wu via email to eric.wu@cpuc.ca.gov. Additionally, this filing will be posted to the BVES website at <https://www.bvesinc.com/safety/wildfire-mitigation-plan>.

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 Energy Safety. Section 8389(e)(7) requires electrical corporations to file a notice of implementation of its wildfire mitigation plan with Energy Safety "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."

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This Quarterly Notification Letter (“QNL”) reports BVES’s 2023 fourth quarter (“Q4”) WMP activities, progress on implementing the recommendations of the most recent safety culture assessment, and Safety Committee recommendations and meetings.

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 6 categories for mitigating wildfires 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 Q4 2023 prepared in accordance with Energy Safety Data Guidelines (Version 3.1) of February 17, 2023.

In Attachment A, BVES provides an initiative summary of progress for individual mitigation measures during Q4 2023.

Overview of Significant Achievements and Issues

BVES made significant progress in achieving its WMP initiative targets for 2023.

As of the end of Q4 2023, some of the more significant achievements were:

- Exceeded the annual target to harden 500 poles along the main evacuation routes to the Big Bear Lake area by installing fire-resistant wire mesh on 909 poles in 2023.
- Exceeded the annual target to replace 200 poles by replacing 309 poles in 2023.
- Replaced 1 circuit mile of bare wire with covered conductor in Q4, bringing the YTD total to 20.7 circuit miles. BVES exceeded its annual target of 12.9 circuit miles for 2023.
- Conducted 144 substation inspections in 2023, meeting its target for the year.
- Installed 35 Fault Indicators (FIs) in Q1, exceeding the yearly target by 5, and meeting the annual goal in Q1. No additional FIs were installed in Q4 due to the annual target being met. BVES front-loaded this effort to reduce risk prior to fire season.
- In Q4, connected 1 Substation, 7 Field Switches, and 6 Capacitor Banks to SCADA as part of the System Automation initiatives. BVES met the annual targets for these programs.
- Remediated 114 tree attachments in 2023, exceeding its annual target of 100 for the year.
- Removed or remediated 66 trees with fall-in risk in Q4 bringing the YTD total to 168. Thus exceeding the target of remediating 22 trees in Q4 and exceeded the annual target of remediating 88 trees in 2023.
- Community engagement actions on PSPS and WMP were at 829 engagements of various types by the end of Q4, which exceeded the annual target of 360 engagements.
- By the end of Q4, BVES completed 89 of a targeted 88 circuit miles of detailed inspections of distribution electric lines and equipment along with inspecting

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vegetation around distribution electric lines. In addition, BVES completed 205 annual circuit miles of patrol inspections meeting the yearly target.

- Completed annual LiDAR survey (205.2 circuit miles targeted), annual UAV thermography inspection (205.2 circuit miles targeted), annual UAV photography/videography inspection (205.2 circuit miles targeted), and 3rd party ground patrol (205.2 circuit miles targeted) of the overhead distribution and sub-transmission system.

Bear Valley did not meet its target for the Radford Line Replacement Project to replace poles with fire-resistant poles and install covered conductors. Construction work on the Radford Line Replacement Project, which replaces bare wire with covered conductor and wood poles with fire-resistant poles in the High Fire Threat District Tier 3, was not started due to BVES not receiving clearance on its permit request to the United States Forest Service (“USFS”). The USFS issue its “Letter to Proceed” on January 3, 2024, which authorizes BVES to complete the Radford Line Replacement Project. BVES plans on commencing construction on the project in late May 2024 after the snowpack clears and aims to complete the project by the end of 2024.

IMPLEMENTATION OF BVES’S MOST RECENT SAFETY CULTURE ASSESSMENT

On May 8, 2023, Energy Safety issued the 2022 Safety Culture Assessment report for BVES. The following summarizes the SCA report’s recommendations:

Refine Contractor Strategic Improvement Plan:

- Energy Safety finds BVES should, in collaboration with BVES’s contractors, 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.
- In response to this recommendation, BVES:
 - Refined its strategic improvement plan to address gaps in overall safety culture for contractors.
 - Worked with contractors to understand why they have lowered their opinion about safety culture and implement specific measures to address their concerns.
 - Implemented a formal contractor safety program that includes improvements to onboard, train, and otherwise engage contractors in its strategic plan.
 - Conducts briefings to contractors’ workers on the importance of their work in increasing public safety and mitigating wildfire.
 - Engages BVES supervisors to listen to, support, and empower contractors.
- This recommendation has been fully implemented.

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

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- Energy Safety stated 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.
- In response to this recommendation, BVES:
 - Conducted one-on-one meetings between the BVES President and Design & Construction 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.
 - Ensured that the concerns indicated on the surveys by Design & Construction employees are addressed by senior management & supervisors.
 - Reinforced the elements that promote improved safety culture and safety related communications. For example, BVES President has made it clear to all employees 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 anyway 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; and
 - 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.
- This recommendation has been fully implemented.

Strengthen Safety-Enabling Systems:

- Energy Safety indicates 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

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address any barriers to reporting within its safety-enabling systems (procedures, software, communication, etc.).

- In response to this recommendation, BVES:
 - Conducted companywide training on “near-miss” and “hazard” reporting led by senior management including clear definitions and instructions on recognizing each event type.
 - Took steps to ensure employees understand that senior management encourages “near-miss” and “hazard” reporting by directly engaging supervisors and rewarding employees that make meaningful “near-miss” reports.
 - Documents and tracks the number of safety event reports submitted by employees on a monthly basis as well as the quality of the reports.
 - Engages management to assess the quality of the near-miss and hazard reports, noting any trends identified, and identifying actions taken to improve safety based on the reports.
- This recommendation has been fully implemented.

Implement use of specific leading indicators:

- Energy Safety notes BVES should further develop and implement the use of specific leading indicators to improve safety and health outcomes in connection with its 12-month goal to establish, collect, and publish a set of safety metrics, including leading indicators, to evaluate safety. This is a new recommendation in response to the 2022 SCA inputs. Leading indicators can play a vital role in preventing worker fatalities, injuries, and illnesses and strengthening other safety and health outcomes in the workplace. Leading indicators can also be used to design proactive, preventive measures. They can shed light on issues with the effectiveness of safety and health activities and reveal potential problems in a safety and health management system. BVES should prioritize tracking leading indicator safety performance metrics and identify specific leading indicators to provide insights into potential interventions. Some metrics to add might include the number of employees BVES trains in near-miss reporting, how many and which kinds of remediation it undertakes in response to hazard reports, and the number of employee-led hazard solutions it implements.
- In response to this recommendation, BVES:
 - Tracks the following leading indicators: safety training completion rate, number of pre-job briefs (tailboards), number of Job Hazard Analyses (JHAs) performed, number of Vegetation Management Quality Checks performed, number of WMP work Quality Checks performed, number of near-misses, and number of contractor-BVES meetings on safety items.
 - Includes a discussion of leading indicators at monthly employee-management safety committee meetings.
 - Includes leading indicators on monthly safety dashboard email to employees.
 - Has supervisors review and discuss leading indicators with employees.
- This recommendation has been fully implemented.

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As indicated above, BVES agreed with implementing the 2022 SCA recommendations, developed an action plan to implement them, and has fully implemented the 2022 SCA recommendations.

In July 2023, BVES employees and contractors, involved in WMP work, completed the 2023 Safety Culture Assessment (SCA) surveys and BVES submitted the documents requested by Energy Safety's SCA Team for the 2023 SCA.

SAFETY AND OPERATIONS COMMITTEE RECOMMENDATIONS AND MEETINGS

Recommendations from the Most Recent Quarter

During Q4 2023, the Safety and Operations Committee ("Committee") met once on November 16, 2023. The Committee recommended approval of an increase to the 2024 and 2025 Capital Investment budget to support WMP grid hardening projects scheduled for 2024 and 2025. This recommendation was approved by the 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 order long-lead equipment and material to support the initiatives and BVES.

Progress on Previous Recommendations

During the Q3 2023, the Safety and Operations Committee ("Committee") met once on August 17, 2023. The Committee recommended approval of an increase to the 2023 Capital Investment budget to support WMP grid hardening projects scheduled for 2023. This recommendation was approved by the Board of Directors and BVES continued to execute its grid hardening projects to further reduce the risk of wildfire and PSPS events. The Safety Committee also recommended authorization of 2024 Capital Investment budget to support WMP grid hardening initiatives scheduled for 2024 so that BVES management could order long-lead equipment and material to support the initiatives. This recommendation was also approved by the Board of Directors. This recommendation was fully implemented by BVES management.

Summary of Meetings

On November 16, 2023, BVES convened the Safety and Operations Committee ("Committee"). Chairman Paul Marconi briefed the Committee on current safety items at BVES including WMP compliance and safety certification, safety metrics and performance, Safety Culture Assessment results, and the status of 2023-2025 WMP initiatives and targets achieved in 2023 Q3, and provided explanations for the targets that were off track and management's plan to get back on track. Mr. Marconi then briefed the Committee on the results of the most recent Safety Culture Assessment and recommendations. He then updated the Committee on the Independent Evaluators 2022 Annual Report on WMP compliance. Mr. Marconi provided the Committee an update on device Fast Trip Settings; specifically, how Pacific Gas and Electric had implemented their Enhanced Powerline Safety Settings (EPSS) program. Finally, Mr. Marconi provided the Committee an overview of the WMP Initiatives accomplishments

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since BVES implementing its first WMP in 2019. 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.

Mr. Marconi discussed with the Committee additional 2024 capital budget authorization and 2025 capital budget authorization requests, which included WMP projects. He then referred the Committee to a draft resolution recommending that the Board approve the capital expenditures for the WMP capital improvement projects. The Committee discussed the resolution, and upon motion duly made, seconded, and unanimously carried, the Committee approved the resolution.

Sincerely,

/s/ Jeff Linam

Jeff Linam
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Attachment A

Initiative Summary of Progress for Individual Mitigation Measures during Q3 2023



Wildfire Mitigation Plan Quarterly Notification Letter Initiatives Update

Bear Valley Electric Service, Inc.

Q4 2023

WMP Activity Summary

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

Emergency Preparedness

Emergency Preparedness Plan <i>Emergency Preparedness Plan</i> EP_1	External Collaboration and Coordination <i>External Collaboration and Coordination</i> EP_2	Public Emergency Communication Strategy <i>Public Emergency Communication Strategy</i> EP_3
Preparedness and Planning for Service Restoration <i>Preparedness and Planning for Service Restoration</i> EP_4	Customer Support in Wildfire and PSPS Emergencies <i>Customer Support in Wildfire and PSPS Emergencies</i> EP_5	

Wildfire Mitigation Strategy Development

Wildfire Mitigation Strategy Development <i>Wildfire Mitigation Strategy Development</i> WMSD_1
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Community Outreach & Engagement

Public Outreach and Education Awareness Program <i>Public outreach and education awareness program</i> COE_1

Situational Awareness & Forecasting

Environmental Monitoring Systems <i>Advanced weather monitoring and weather stations</i> SAF_1	Grid Monitoring Systems <i>Install Fault Indicators</i> SAF_2	Grid Monitoring Systems <i>Online Diagnostic System</i> SAF_3
Ignition Detection Systems <i>HD ALERTWildfire Cameras</i> SAF_4	Weather Forecasting <i>Weather Forecasting</i> SAF_5	Fire Potential Index <i>Fire Potential Index</i> SAF_6

Risk Methodology & Assessment

Risk Methodology and Assessment <i>Technosylva Contractor</i> RMA_1
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Engagement with Access and Functional Needs Populations

Engagement with Access and Functional Needs Populations <i>Engagement with Access and Functional Needs Populations</i> COE_2

Collaboration on Local Wildfire Mitigation Planning

Collaboration on Local Wildfire Mitigation Planning <i>Collaboration on Local Wildfire Mitigation Planning</i> COE_3

Overview of the Service Territory

Environmental Compliance and Permitting <i>Environmental Compliance and Permitting</i> ST_1
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Best Practice Sharing with Other Utilities

Best Practice Sharing with Other Utilities <i>Best Practice Sharing with Other Utilities</i> COE_4

Vegetation Management & Inspections

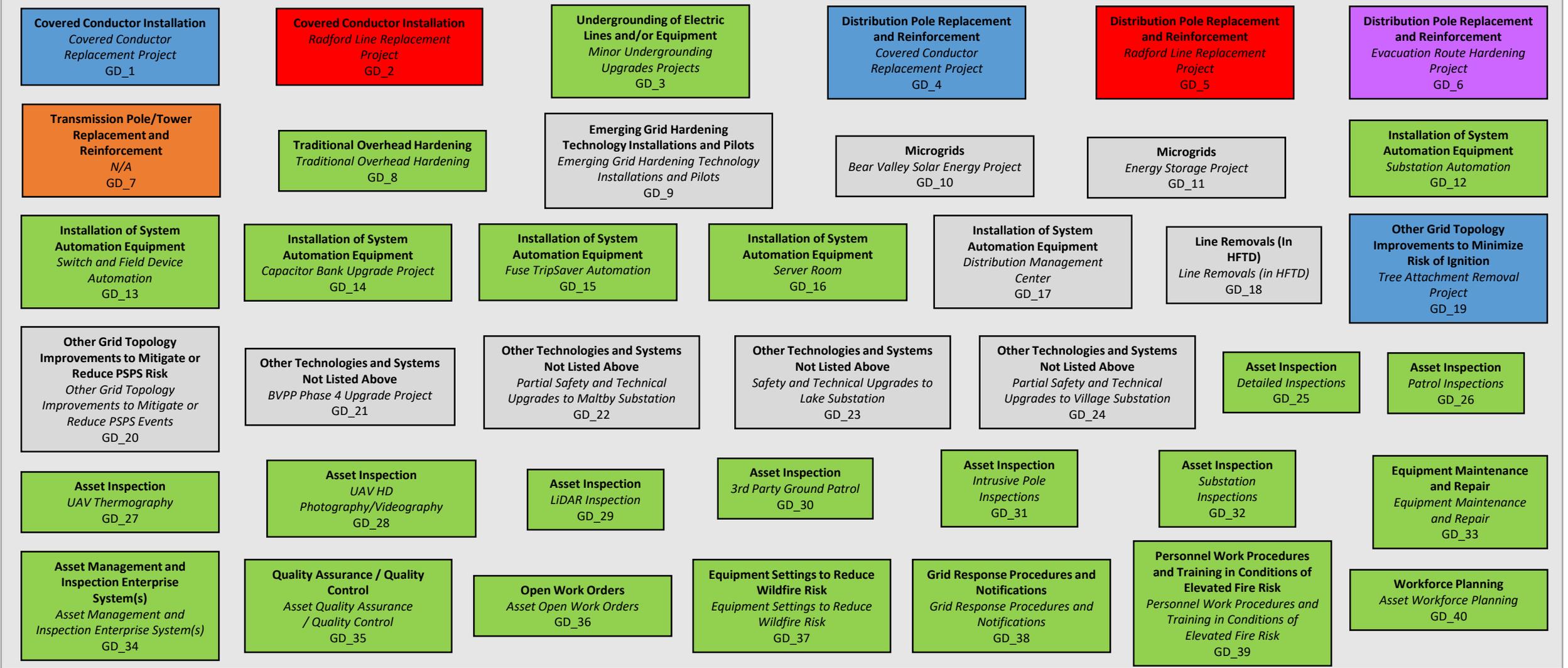
Vegetation Inspections <i>Detailed Inspections</i> VM_1	Vegetation Inspection <i>Patrol Inspections</i> VM_2	Vegetation Inspection <i>UAV HD Photography/Videography</i> VM_3	Vegetation Inspection <i>LiDAR Inspection</i> VM_4	Vegetation Inspection <i>3rd Party Ground Patrol</i> VM_5	Vegetation Inspection <i>Substation inspections</i> VM_6
Pole Clearing <i>Pole Clearing</i> VM_7	Wood and Slash Management <i>Wood and Slash Management</i> VM_8	Clearance <i>Clearance</i> VM_9	Fall-In Mitigation <i>Fall-In Mitigation</i> VM_10	Substation Defensible Space <i>Substation Defensible Space</i> VM_11	High-Risk Species <i>High-Risk Species</i> VM_12
Fire-Resilient Right-of-Ways <i>Fire-Resilient Right-of-Ways</i> VM_13	Emergency Response Vegetation Management <i>Emergency Response Vegetation Management</i> VM_14	Vegetation Management Enterprise System <i>Vegetation Management Enterprise System</i> VM_15	Quality Assurance / Quality Control <i>Vegetation Management Quality Assurance / Quality Control</i> VM_16	Open Work Orders <i>Open Work Orders</i> VM_17	Workforce Planning <i>Vegetation Management Workforce Planning</i> VM_18

(* 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 2023 Goal: BVES did not record an emergency in Q4 of 2023. 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>Exceeded Target</p>	<p>Public Outreach and Education Awareness Program: Volume vs Q4 2023 Goal: BVES had planned to conduct at a minimum of 360 outreach activities by the close of Q4. BVES recorded 829 outreach activities, 230% of target for 2023. 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.</p>	<p>Collaboration on Local Wildfire Mitigation Planning COE_3</p> <p>On Track</p>	<p>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.</p>
<p>Engagement with Access and Functional Needs Populations COE_2</p> <p>On Track</p>	<p>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 additional verifications in Q4.</p>	<p>Best Practice Sharing with Other Utilities COE_4</p> <p>On Track</p>	<p>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 24 working groups in Q1, 29 in Q2 37 in Q3, and an additional 30 in Q4.</p>

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 Q4.

Grid Monitoring Systems
SAF_2
Fault Indicator Instillation
Ahead of Plan

Fault Indicator Instillation:
Volume vs Q4 2023 Goal: BVES planned to complete a total of 30 fault indicator installations by the end of Q4. BVES was able to complete 35 installations in Q1 with no additional installs in Q2, Q3, or Q4.
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
Ahead of Plan

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: BVES was able to install online diagnostic on 2 circuits on Q4. BVES exceeded the target of 1 circuit by installing online diagnostic on 2 circuits in 2023.

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 Q4.

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

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 submitted its WMP to EnergySafety for review and approval on May 8, 2023.

WMP Activities Status vs. WMP Activity Goals

Vegetation Management & Inspection

Vegetation Inspections
VM_1
Detailed Inspection
On Track

Detailed Inspection:

Volume vs Q4 2023 Goal: BVES planned to complete a total of 135 circuit miles of inspection by the end of Q4. BVES was able to complete 135 circuit miles in 2023.

Key Actions: BVES met its target of 135 miles of detailed inspection in 2023.

Vegetation Inspection
VM_2
Patrol Inspection
On Track

Patrol Inspection:

Volume vs Q4 2023 Goal: BVES planned to complete a total of 205.2 circuit miles of inspection by the end of Q4. BVES completed 205.2 circuit miles by Q4.

Key Actions: BVES met its target of 205.2 miles of patrol inspection in 2023.

Vegetation Inspection
VM_3
**UAV HD Photography /
Videography**
On Track

UAV HD Photography / Videography:

Volume vs 2023 Goal: BVES planned to conduct 205.2 circuit miles of inspection in Q3. BVES annual target is 205.2 circuit miles in 2023.

Key Actions: BVES completed 205.2 circuit miles of inspection in Q3. BVES met its target of 205.2 miles of inspection in 2023.

Vegetation Inspection
VM_4
LiDAR Inspection
On Track

LiDAR Inspection:

Volume vs 2023 Goal: BVES planned to conduct 205.2 circuit miles of inspection in Q3. BVES annual target is 205.2 circuit miles in 2023.

Key Actions: BVES completed 205.2 circuit miles of inspection in Q3. BVES met its target of 205.2 miles of inspection in 2023.

Vegetation Inspection
VM_5
3rd Party Ground Patrol
On Track

3rd Party Ground Patrol:

Volume vs 2023 Goal: BVES planned to conduct 205.2 circuit miles of inspection in Q3. BVES annual target is 205.2 circuit miles in 2023.

Key Actions: BVES completed 205.2 circuit miles of inspection in Q4 after missing its target in Q3. BVES met its target of 205.2 miles of inspection for 2023.

Vegetation Inspection
VM_6
Substation Inspections
On Track

Substation Inspections:

Volume vs Q4 2023 Goal: BVES planned to complete 144 substation inspections by the end of Q4. BVES completed 144 substation inspections in 2023.

Key Actions: BVES was able to complete 144 substation inspections through Q4. BVES met its target of 144 substation inspections 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 as needed.

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 vegetation clearing to a 3rd 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
On Track

Vegetation Clearance:

Volume vs Q4 2023 Goal: BVES planned to complete 72 circuit miles of clearing by the end of Q4. BVES completed 72 circuit miles by close of Q4.

Key Actions: BVES completed 72 circuit miles of clearing through Q4. BVES met its target of 72 circuit miles of clearing in 2023.

Fall-In Mitigation
VM_10
Ahead of Plan

Fall-In Mitigation:

Volume vs Q4 2023 Goal: BVES planned to complete 88 tree remediations or removals to prevent fall-in by Q4. BVES was able to complete 168 tree remediations or removals by Q4.

Key Actions: BVES completed 168 remediations or removals in 2023. BVES exceeded its target of 88 remediations by removing 168 trees in 2023.

WMP Activities Status vs. WMP Activity Goals

Vegetation Management & Inspection

Substation Defensible
Space
VM_11
On Track

Substation Defensible Space:

Volume vs Q4 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 conducted 13 abatements in 2023. BVES met its target for 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 act on 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 act on 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 will 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 Q4 2023 Goal: BVES planned to complete 5 vegetation management audits by the end of Q4. BVES was able to complete the 5 audits by the close of Q4.

Key Actions: BVES completed 1 audit in Q4 with a YTD total of 5 vegetation management audits in 2023. BVES met its target 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 Q4.

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.

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 Q4 2023 Goal: BVES planned to complete a total of 12.9 circuit miles by the end of Q4. BVES completed 20.7 circuit miles by the end of Q4.

Key Actions: BVES completed 0.99 circuit miles of covered conductor installation in Q4. BVES exceeded its target of 12.9 by completing 20.7 circuit miles in 2023.

Covered Conductor Installation
GD_2
Radford Line Replacement Project Off Track

Radford Line Replacement Project:

Volume vs 2023 Goal: BVES planned to complete the Radford Line covered conductor project in 2023. BVES planned to replace 1 circuit mile in Q3 and 1.7 circuit miles in Q4, for a total of 2.7 circuit miles replaced. BVES is experiencing permit issues with the Forest Service and no replacements have yet been completed.

Key Actions: No replacements were conducted in Q4. BVES has received the letter to proceed from the USFS as of 1/3/24.

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

Capacitor Bank Upgrade Project:

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

Key Actions: BVES connected and automated 6 Capacitor Banks in Q4. BVES met its target for 2023.

Installation of System Automation Equipment
GD_15
Fuse TripSaver Automation On Track

Fuse TripSaver Automation:

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

Key Actions: BVES installed 10 Fuse TripSavers automation and connections by the end of Q4. BVES met its target for 2023.

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 has obtained a purchase agreement for the Solar Energy Project. Application to be filed with CPUC in 2024..

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 to file application with the CPUC in 2024.

Installation of System Automation Equipment
GD_12
Substation Automation On Track

Substation Automation:

Volume vs 2023 Goal: BVES planned 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: BVES connected and automated 3 substations to SCADA in 2023.

Installation of System Automation Equipment
GD_13
Switch and Field Device Automation On Track

Switch and Field Device Automation:

Volume vs 2023 Goal: BVES planned 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: BVES connected and automated 13 Field Switches to SCADA in 2023.

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 planned to upgrade the infrastructure for the Server Room at its main office in 2023.

Key Actions: BVES met its target for program progress in 2023. The Server room is on track to meet the target of fully operational by 2025.

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 Q4 2023 Goal: BVES planned to complete 100 tree attachment removals by the end of Q4. BVES was able to complete 114 tree attachments removals by the close of Q3 with no additional tree removals in Q4.

Key Actions: BVES was able to complete 114 removals in 2023. BVES has exceed its 2023 target.

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 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_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 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_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 construction 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
On Track**

Detailed Inspection:

Volume vs Q4 2023 Goal: BVES planned to complete a total of 135 circuit miles of inspection by the end of Q4. BVES was able to complete 135 circuit miles in 2023.

Key Actions: BVES was able to meet its target of 135 miles of detailed inspection in 2023.

Asset Inspection
GD_26
**Patrol Inspection
On Track**

Patrol Inspection:

Volume vs Q4 2023 Goal: BVES planned to complete a total of 205.2 circuit miles of inspection by the end of Q4. BVES was able to complete 205.2 circuit miles by Q4.

Key Actions: BVES was able to meet its target of 205.2 miles of patrol inspection in 2023.

Asset Inspection
GD_27
**UAV Thermography
On Track**

UAV Thermography:

Volume vs 2023 Goal: BVES planned to conduct 205.2 circuit miles of inspection in Q3. BVES annual target is 205.2 circuit miles in 2023.

Key Actions: BVES completed 205.2 circuit miles of inspection in Q3. BVES met its target of 205.2 miles of inspection in 2023.

Asset Inspection
GD_28
**UAV HD Photography /
Videography
On Track**

UAV HD Photography / Videography:

Volume vs 2023 Goal: BVES planned to conduct 205.2 circuit miles of inspection in Q3. BVES annual target is 205.2 circuit miles in 2023.

Key Actions: BVES completed 205.2 circuit miles of inspection in Q3. BVES met its target of 205.2 miles of inspection in 2023.

Asset Inspection
GD_29
**LiDAR Inspection
On Track**

LiDAR Inspection:

Volume vs 2023 Goal: BVES planned to conduct 205.2 circuit miles of inspection in Q3. BVES annual target is 205.2 circuit miles in 2023.

Key Actions: BVES completed 205.2 circuit miles of inspection in Q3. BVES met its target of 205.2 miles of inspection in 2023.

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

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 Q4.

Key Actions: No undergrounding projects were proposed or initiated in Q4.

Asset Inspection
GD_30
**3rd Party Ground Patrol
On Track**

3rd Party Ground Patrol:

Volume vs 2023 Goal: BVES planned to conduct 205.2 circuit miles of inspection in Q3. BVES annual target is 205.2 circuit miles in 2023.

Key Actions: BVES completed 205.2 circuit miles of inspection in Q4 after missing its target in Q3. BVES met its target of 205.2 miles of inspection for 2023.

Asset Inspection
GD_31
**Intrusive Pole
Inspection
On Track**

Intrusive Pole Inspection:

Volume vs 2023 Goal: BVES planned to conduct 850 intrusive pole inspections by the end of Q4.

Key Actions: BVES completed 850 intrusive pole inspections by Q3. BVES met its annual target for 2023.

Asset Inspection
GD_32
**Substation Inspections
On Track**

Substation Inspections:

Volume vs Q4 2023 Goal: BVES planned to complete 144 substation inspections by the end of Q4. BVES completed 144 substation inspections in 2023.

Key Actions: BVES completed 144 substation inspections through Q4. BVES met its target of 144 substation inspections 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 2023.

WMP Activities Status vs. WMP Activity Goals

Grid Design, Operations & Maintenance

<p>Asset Management and Inspection Enterprise System(s) GD_34 Distribution Management Center</p>	<p>Asset Management and Inspection Enterprise System(s): Volume vs 2023 Goal: 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. Key Actions: 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 On Track</p>	<p>Personnel Work Procedures and Training in Conditions of Elevated Fire Risk: Volume vs 2023 Goal: 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. Key Actions: BVES completed its annual review process.</p>
<p>Quality Assurance / Quality Control GD_35 Asset Quality Assurance / Quality Control On Track</p>	<p>Asset Quality Assurance / Quality Control: Volume vs Q4 2023 Goal: BVES planned to complete a total of 20 asset QCs on WMP work by the end of Q4. BVES was able to complete 20 QCs by the end of Q4. Key Actions: BVES was able to complete 5 asset QCs in Q4 with a YTD total of 20 QCs in 2023. BVES met its target for 2023.</p>	<p>Distribution Pole Replacement and Reinforcement GD_4 Distribution Pole Replacement and Reinforcement Ahead of Plan</p>	<p>Distribution Pole Replacement and Reinforcement: Volume vs 2023 Goal: BVES planned to complete 200 pole replacements by the end of Q4. Key Actions: BVES was able to complete a YTD total of 309 pole replacements. BVES exceed its target of 200 pole replacements in 2023.</p>
<p>Open Work Orders GD_36 Asset Open Work Orders On Track</p>	<p>Asset Open Work Orders: Volume vs 2023 Goal: For 2023 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.</p>	<p>Workforce Planning GD_40 Asset Workforce Planning On Track</p>	<p>Asset 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.</p>
<p>Equipment Settings to Reduce Wildfire Risk GD_37 On Track</p>	<p>Equipment Settings to Reduce Wildfire Risk: Volume vs 2023 Goal: For 2023 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.</p>	<p>Distribution Pole Replacement and Reinforcement GD_5 Radford Line Replacement Project Off Track</p>	<p>Distribution Pole Replacement and Reinforcement (Radford Line Replacement Project): Volume vs 2023 Goal: BVES planned to replace 40 poles in Q3 and an additional 30 poles in Q4. The program target for Radford Line Replacement Project pole replacement was 70 by the end of 2023. BVES is experiencing permit issues with the Forest Service. Key Actions: No replacements were conducted in Q4. BVES has received the letter to proceed from the USFS as of 1/3/24.</p>
<p>Grid Response Procedures and Notifications GD_38 On Track</p>	<p>Grid Response Procedures and Notifications: Volume vs 2023 Goal: For 2023 BVES plans to review and if necessary, update its procedure. This will be an annual process Key Actions: BVES completed its annual review process.</p>		

WMP Activities Status vs. WMP Activity Goals

Grid Design, Operations & Maintenance

Distribution Pole Replacement and Reinforcement
GD_6
Evacuation Route Hardening Project Exceeded Target

Asset Quality Assurance / Quality Control:

Volume vs Q3 2023 Goal: BVES planned to complete a total of 0 poles hardened with Wire Mesh in Q4.

Key Actions: BVES was able to complete a YTD total of 909 poles hardened with wire mesh. BVES has exceeded its target for 2023.

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.

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 Q4.

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.