



Bear Valley Electric Service, Inc.  
P.O. Box 1547  
Big Bear Lake, CA 92315-1547  
A Subsidiary of American States Water Company

Via Electronic Mail

October 8, 2024

Caroline Thomas Jacobs  
Director  
Office of Energy Infrastructure Safety  
715 P Street  
Sacramento, California 95814  
Caroline.ThomasJacobs@energysafety.ca.gov

Subject: Bear Valley Electric Service, Inc. Request for 2024 Safety Certification Pursuant to Public Utilities Code Section 8389

Dear Ms. Jacobs:

Section 8389(f)(2) of the Public Utilities Code<sup>1</sup> provides that an electrical corporation seeking a subsequent safety certification must submit a request to the Office of Energy Infrastructure Safety (“OEIS” or “Energy Safety”) prior to the expiration of an existing safety certification. Bear Valley Electric Service, Inc. (“BVES” or “Bear Valley”) was previously granted a safety certification on December 7, 2023. The Safety Certification Guidelines (“Guidelines”) issued by OEIS in August 2024 states that an electrical corporation seeking a safety certification must submit safety certification requests according to a separate schedule issued by Energy Safety.<sup>2</sup> Energy Safety issued a Schedule for 2024 Safety Certification Requests, which requires Bear Valley to submit its Safety Certification request by October 8, 2024. Thus, this request is timely filed.

Section 8389(f)(2) provides that the request for a subsequent safety certification include documentation that it has satisfied the requirements of Section 8389(e). In addition, the Guidelines provide further guidance on satisfying the statutory requirements. This letter summarizes how BVES meets all the relevant requirements of Section 8389 and the Guidelines, as further documented by the supporting materials referenced herein or attached hereto.

BVES respectfully requests a safety certification in accordance with Section 8389 and the Guidelines. Pursuant to Section 8389(f)(4), Bear Valley’s existing safety certification shall remain valid until OEIS acts on this request.

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<sup>1</sup> All statutory references herein are to the California Public Utilities Code, unless specifically stated otherwise.

<sup>2</sup> Office of Energy Infrastructure Safety’s Safety Certification Guidelines (August 8, 2024), OEIS Docket No Guidelines-SCs, p. 6.



**1. An Approved Wildfire Mitigation Plan (Section 8389(e)(1)).**

BVES submitted its 2023-2025 Wildfire Mitigation Plan (“2023-2025 WMP”) to OEIS on May 8, 2023. On November 6, 2023, OEIS issued its final decision approving Bear Valley’s 2023-2025 WMP. In Resolution SPD-18, dated December 14, 2023, the California Public Utilities Commission (“Commission”) ratified Energy Safety’s final decision approving Bear Valley’s 2023-2025 WMP.

BVES submitted its 2025 Wildfire Mitigation Plan Update (“2025 WMP Update”) to OEIS on May 29, 2024. On August 27, 2024, OEIS issued its draft decision indicating approval of Bear Valley’s 2025 WMP Update. As of the date of this submittal, final OEIS approval of Bear Valley’s 2025 WMP Update is pending and the Commission’s ratification is also pending.

This documentation satisfies the requirement in the Guidelines that in an electrical corporation’s 2024 Safety Certification submission, the electrical corporation must document the date of its most recently approved wildfire mitigation plan or update, and the date it was approved by Energy Safety.<sup>3</sup> A copy of Bear Valley’s approved 2023-2025 WMP is available on Bear Valley’s public website at [www.bvesinc.com](http://www.bvesinc.com).

**2. Good Standing (Section 8389(e)(2)).**

Section 8389(e)(2), as well as the Guidelines, provide that in order to receive a Safety Certification, the electrical corporation must provide documentation that the electrical corporation is in good standing, which can be satisfied by the electrical corporation having agreed to implement the findings of its most recent safety culture assessment performed pursuant to Section 8386.2 and paragraph (4) of subdivision (d) [of Section 8389], if applicable.

According to the Guidelines, in its Safety Certification submission, an electrical corporation must document its agreement to implement the findings of its most recent Safety Culture Assessment (“SCA”) undertaken by Energy Safety or its contractors. If a safety culture assessment has been carried out pursuant to Section 8386.2, the electrical corporation must also document in its submission an agreement to implement the findings of that safety culture assessment.<sup>4</sup>

**2022 SCA:** On May 8, 2023, OEIS issued a Safety Culture Assessment (“2022 SCA”) report to BVES. In a May 9, 2023 letter to OEIS, BVES agreed to implement all of the findings and recommendations for improvements in its 2022 SCA. On February 1, 2024, BVES filed with Energy Safety and the Commission Bear Valley’s Q4 2023 BVES Quarterly Notification Letter (QNL) to the OEIS Regarding Bear Valley’s Implementation of its WMP Pursuant to Public Utilities Cost Section 8389(e)(7) (“Q4 2023 QNL”) in which BVES stated that it had fully implemented the 2022 SCA recommendations.

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<sup>3</sup> Office of Energy Infrastructure Safety’s Safety Certification Guidelines (August 8, 2024), OEIS Docket No Guidelines-SCs, p. 2.

<sup>4</sup> Office of Energy Infrastructure Safety’s Safety Certification Guidelines (August 8, 2024), OEIS Docket No Guidelines-SCs, p. 2.



**2023 SCA:** On March 22, 2024, OEIS issued a Safety Culture Assessment (“2023 SCA”) report to BVES. In a March 25, 2024 letter to OEIS, BVES agreed to implement all of the findings and recommendations for improvements in its 2023 SCA. It is the most recent Safety Culture Assessment for BVES.

On May 1, 2024, BVES filed with Energy Safety and the Commission Bear Valley’s Q1 2024 BVES Quarterly Notification Letter (QNL) to the OEIS Regarding Bear Valley’s Implementation of its WMP Pursuant to Public Utilities Cost Section 8389(e)(7) (“Q1 2024 QNL”). The Q1 2024 QNL reported the actions initiated to implement the recommendations of the 2023 SCA report, as described below. On August 1, 2024, BVES filed with Energy Safety and the Commission Bear Valley’s Q2 2024 BVES Quarterly Notification Letter (QNL) to the OEIS Regarding Bear Valley’s Implementation of its WMP Pursuant to Public Utilities Cost Section 8389(e)(7) (“Q2 2024 QNL”). The Q2 2024 QNL reported further actions being taken by Bear Valley to implement the recommendations of the 2023 SCA report and are included in the discussion below.

Energy Safety recommended in 2023 SCA: *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 is developing a strategy to further improve contractor safety culture. Bear Valley reviewed the SCA reports for 2021, 2022, and 2023 regarding contractor performance at BVES and at other California electric investor owned utilities (“IOUs”) and found the results at BVES (1) were 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 intends on 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 results;
- Conduct listening sessions to better understand and respond to contractor perceptions;
- Increase presence of leadership at job sites to witness challenges encountered by contractors;



- Increase training to improve the ability of frontline supervisors to communicate effectively with contractors and ultimately improve the safety culture among contractors;
- Conduct training to make sure contractors understand how their work is an integral part of the BVES Wildfire Mitigation Plan and impacts public safety;
- Reach out to other IOUs to develop best practices for improving contractor safety culture; and
- Add "Contractor Engagement Strategy" as a BVES Safety Culture Objective in Bear Valley's 3-year Safety Culture Plan (fully achieve objective by 2026).

Energy Safety recommended in 2023 SCA: 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 is developing a strategy to address the 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;
- Conduct one-on-one meetings between the BVES President and Engineering & Planning employees to further gauge their safety culture views and refine the 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);
- 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; and
  - 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 and, if conflicts arise, employees should stop work and alert their Supervisor for further guidance).
- 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.

Energy Safety recommended in 2023 SCA: 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 to 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 is developing a plan of action to:

- Develop and implement improved protocols for responding to safety events (near-misses and hazards), including their reporting to management;
- 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;
- 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.); and
- Incorporate near-miss and hazard reporting into Bear Valley's behavior-based safety program implementation.



### **3. Board Safety Committee and Safety Reporting (Sections 8389(e)(3) and 8389(e)(5)).**

To receive a Safety Certification, Sections 8389(e)(3) and 8389(e)(5) require that an electrical corporation provide documentation that it meets two requirements related to its Board of Directors. Sections 8389(e)(3) requires that the electrical corporation's Board of Directors have a safety committee comprised of members with appropriate and relevant experience. To ensure that this requirement is satisfied, in compliance with the statutory requirement and the 2023 Guidelines BVES provides the following:

1. *Safety Committee Member Resumes.* The resume for each Safety and Operations Committee ("Safety Committee") member is attached as Appendix A, clearly indicating each member's relevant experience.
2. *Safety-Related Education and Experience of Committee Members.* A summary of the safety-related education and experience for each Safety Committee member that is relevant to their role at BVES is attached as Appendix B.
3. *Safety Committee's Role in Overall Corporate Governance.* A description of how the Safety Committee functions within Bear Valley's governance structure and its role with respect to BVES decision-making and accountability is attached hereto as Appendix C.
4. *Report on Significant Topics Covered by the Safety Committee Since Issuance of Last Safety Certification.* A report on significant topics covered by the Safety Committee since the issuance of the last Safety Certification is attached hereto as Appendix D.
5. *Description of Safety Committee Recommendations and Implementation.* A description of any Safety Committee recommendations and an indication whether BVES has implemented these recommendations since issuance of the last Safety Certification are attached hereto as Appendix E.
6. *Board-Level Reporting to Commission and Energy Safety on Safety Issues.* Section 8389(e)(5) requires that an electrical corporation has established board-level reporting to the Commission and OEIS on safety issues. A Board member, along with the chief safety/risk officer (or equivalent) must brief the Commission and Energy Safety on safety performance during the public meeting. As required by the Guidelines,<sup>5</sup> attached hereto as Appendix F are details of such public meeting, including the agenda of topics to be covered, and any materials used or referenced in such public meeting to demonstrate that BVES has met this requirement.

7.

### **4. Executive Compensation (Sections 8389(e)(4) and 8389(e)(6)).**

To receive a Safety Certification, Sections 8389(e)(4) and 8389(e)(6) require that an electrical corporation has established an executive compensation structure that meets the statutory of those code sections and has been approved by OEIS.

On October 4, 2024, BVES received the OEIS final decision approving BVES's 2024 Executive Compensation Plan.

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<sup>5</sup> Office of Energy Infrastructure Safety's Safety Certification Guidelines (August 8, 2024), OEIS Docket No Guidelines-SCs, p. 3.





## **5. Implementation of Wildfire Mitigation Plan (Section 8389(e)(7)).**

To receive a Safety Certification, Section 8389(e)(7) requires that an electrical corporation provide documentation that it is implementing its approved wildfire mitigation plan (“WMP”). It further provides that the electrical corporation submit a notification of implementation to OEIS on a quarterly basis detailing progress on its WMP, the recommendations of its most recent Energy Safety and Commission safety culture assessment(s) performed pursuant to Sections 8386(d)(4) and 8386.2, and a statement of the recommendations of the Board of Directors’ Safety Committee meetings and a description of the implementation of those recommendations. Bear Valley’s quarterly notification letters (“QNLs”) to OEIS, with copies to the CPUC, were submitted as follows:

- 2023 Q3 on November 1, 2023,
- 2024 Q4 on February 1, 2024,
- 2024 Q1 on May 1, 2024, and
- 2024 Q2 on August 1, 2024.

Copies of the QNLs are attached hereto as Appendix G.

In conclusion, for all of the foregoing reasons and associated documentations, BVES respectfully requests that OEIS issue a Safety Certification to BVES in accordance with Section 8389(f)(2) and its Guidelines.

Please feel free to contact me if you have any questions regarding these materials.

Respectfully submitted

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

Cc: 2024 Safety Certifications Docket (2024-SCs)

**APPENDIX A**  
**SAFETY COMMITTEE MEMBERS**  
**CURRICULUM VITAE**



## Paul A. Marconi

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**Summary:** Excellence in operational leadership of businesses, customer programs, production facilities, power plants, personnel, technical programs, and engineering projects. Specializes in developing and leading Teams to achieve **Operational Excellence.**

- President of a regulated investor owned utility (IOU) with accountability for P&L, operations, energy supply, financial performance, regulatory compliance, customer service, public relations and leadership of employees.
- Captain of a Los Angeles Class attack nuclear submarine and Base Commander of major Navy nuclear submarine base.
- Director of Operations of engineering and software business unit in oil & gas and power generation with P/L accountability.
- Operations & Planning Manager for electric power generation, transmission and distribution of a regulated IOU.
- Proven management of large matrix organizations (800+personnel), high value assets (\$2B+), programs (\$1B+), projects (\$500MM+) and operating budgets (\$104MM+) in defense, power generation (nuclear, fossils, renewables) and oil & gas.
- Significant experience in risk based methodologies, reliability engineering, mechanical integrity, predictive & preventive maintenance, inspection & remediation programs, outage planning & execution & operator behavioral performance programs.
- Business development leader with excellent sales growth – raised contracted backlog by 22% and sales pipeline by 46%.
- Change leader who implemented Geographic Information Systems (GIS), Outage Management System (OMS), Supervisory Control & Data Acquisition (SCADA), Enterprise Resource Planning (SAP), PeopleSoft Financials & HR Manager (Oracle), Customer Relationship Management (CRM – MS Dynamics), Voice of Customer (Net Promoter Score) and ISO 9001 QM.
- Strong record of building high performance technical teams, establishing operational excellence and achieving goals. Skilled in budgeting for profit, strategic planning, managing operations and production, leading continuous improvement and quality programs, managing change, cost control strategies, capture management, and building and managing Customer relationships.

**Converts high-level strategic goals into day-to-day measurable and executable tasks. Motivates Team to deliver results.**

**Skills:** Executive Leadership; Strategic Planning; Business Development; Business Operations (P/L); Budgeting & Forecasting; Program & Major Project Management; Risk-Based Decision Making; Team Building, Mentoring, Personnel Management; Engineering & Technology; Equipment Reliability & Asset Mechanical Integrity; Power Plant and Oil & Gas Operations; Environmental, Safety & Code Compliance; Training; Leading Change, Program Implementation; Sales Proposals, Vendor/Supplier Qualification, Contracts & Negotiation; Continuous Process Improvement, Quality Management Systems, Root Cause Analysis; Business Analytics, Metrics, Optimization; Strategic Messaging, Public Speaking; Customer Relationship Management; Voice of Customer Programs; Global Business; Government, Defense & Energy, Undersea Operations.

**Education:** M.S. Engineering Management, Catholic University of America, May 2001 (GPA: 4.0)  
B.S. Chemical Engineering, Tufts University, May 1984 (Cum Laude GPA: 3.03)

**Languages:** English (fluent), Italian (fluent), Spanish (past fluency), French (past fluency)

### **Experience:**

**Bear Valley Electric Service, Inc. (subsidiary of American States Water Company) Big Bear Lake, CA**  
**(6/2014 – Present)** California regulated investor owned utility (IOU) providing electric generation, transmission and distribution in Big Bear Lake Valley to 24,500+ customers.

*President, Treasurer, Secretary, Board Director, & Safety & Operations Committee Chairman (7/2020-present)* Reports directly to Company's Board of Directors, BVES Inc. and absolutely accountable for the Profit and Loss (P&L) results of BVES, Inc. and directing the overall operations of BVES, Inc., earning an adequate rate of return for BVES, Inc., as well as developing and executing strategic plans with a 5±year horizon.

- As President performs duties of the chief executive officer of the corporation and has, subject to the control of the Board, general supervision, direction and control of the business and officers of the corporation.
- As Treasurer performs the duties of the chief financial officer of the corporation.

*Director (8/2016-6/2020)* Reports to CEO/President, GSWC with absolute accountability for management of the Electric Division including operations, planning, financial management and supervision of work performed by staff, consultants and contractors. Accountable for achieving P&L goal including authorized ROR, target EPS, and growing Rate Base.

- Led 48 full-time employees & contractors including energy & business analysts, customer service, accounting & purchasing, engineers, planners, IT tech, IBEW union linemen and power plant operators to produce a remarkable record of achievement. Established culture focused on excellence in quality of service to customers, safety, and maximizing shareholder value through superior financial performance by innovative solutions, staff empowerment to resolve challenges, minimizing life-cycle costs, conserving resources, and leveraging diversity among employees and vendors. Provided direct leadership on development and timely filing of General Rate Case (GRC) 2018-2022 – a significant undertaking for BVES' small staff. Worked constructively with legal support and specialized consultants to ensure testimony substantiated base revenue requirements, rate design and cost allocation, cost of capital & rate of return proposal, capital projects, staff reorganization, and special programs. Implemented tight process control ensuring all communications with Commission and intervening parties were documented and ensured over 70 intervenor requests were responded to in accurate and timely manner. Personally prepared substantial testimony on results of operations, operations & maintenance, capital projects and risk-based decision making process. Prepared rebuttal testimony in these areas in response to intervenor testimony. Key player in productive settlement discussions. Coordinated effective forward leaning public engagement strategy with positive results.
- Demonstrated strong leadership and management in the area of reducing the risk to wildfires for the BVES service area. Implemented detailed and highly effective strategy to mitigate utility caused wildfires. Presented his program to Board of Directors (ASWC). Supported study to ensure insurance coverage was sufficient to protect the Company in the event of a wildfire. Developed Wildfire Mitigation Plan per SB-901 and presented the plan to the President of the Commission, other Commissioners, Deputy Director CAL FIRE, Deputy Executive Director Safety Enforcement Division, and other parties to the WMP proceeding. Developed detail risk evaluation model for each proposed wildfire mitigation measure to quantify the risk reduction and the risk spend ratio to better inform the decision making process on which mitigation measures to implement and the timeframe to execute them. Tracked wildfire legislation and regulation developments in the legislature and at the CPUC and provided updates to the Board of Directors. BVES's comprehensive WMP included innovative projects setting new trends in the T&D industry sector such as: Fuse Upgrades, Tree Attachment Removal Project, Pole Loading Assessment & Remediation Program, Radford Line Covered Conductor Replacement Project, Covered Wire Installation Program, Install Remote Weather Stations, Additional On-Ground Inspection, Electrical Preventative Maintenance Program, and LIDAR Inspection.
- Key player on project team for a reorganization plan to spin BVES off from being a division of Golden State Water Company to a separate, direct subsidiary under American States called BVES, Inc. Participated in the due diligence effort, which was critical to senior management's decision making on whether or not to proceed with the effort. Provided support in developing the application filed with the CPUC to gain approval for the reorganization. Worked closely with public relations firm to develop stakeholder, public and employee engagement and messaging strategy. Gained IBEW Local 47's support for the proposed reorganization and obtained their commitment to send a letter of support to the CPUC. Engaged local government officials, state assembly member, and state senator to inform them of the reorganization. Oversaw a myriad of transition details including transfer of power purchase agreements, contracts, franchise agreements, environmental and operating permits, and physical property and easements; development of BVES Inc. policies and procedures; establishing mechanisms to transition logos, website, social media, and other customer and stakeholder media; and working with accounting and IT department to ensure processes in place to cutover customer billing and accounting system applications.
- Led efforts to develop 7.9 MW AC single axis tracking utility owned solar generating facility and made significant progress toward achieving project approval that will benefit all stakeholders (landowner, customers and BVES). Negotiated purchase sales agreement and developed application for facility construction to CPUC. Led all aspects of business case development, contracting an EPC, permitting, legal representation, ITC recoupment and engineering design and permitting. Briefed numerous stakeholders on the project to gain their support including GSWC Board of Directors, BBARWA Board of Directors, City of Big Bear Lake City Manager, California Public Advocate, and CPUC Energy Division. Worked closely with General Electric (EPC) in conducting preliminary CEQA and site surveys. Participated in settlement negotiations with California Public Advocate and reached a settlement agreement, which was presented to the ALJ for the CPUC proceeding. Engaged public relations firm to conduct public engagement for the project. Conducted several media interviews regarding the project as well as talks with various community groups.
- Oversaw the innovative development of annual and seasonal long-term power purchase agreements and the associated application to the CPUC for approval. The executed PPAs reduce BVES's long-term fixed power supply costs (when compared to previous PPAs) by 12.8% or \$4,016,087 over 5 years, which translates into a reduction in system average rate (SAR) of 2.07%. His Team looked at the value and risk propositions of fixed, shaped and variable power purchase products and developed the combination that provides the best value for BVES customers based on forecasted load. Played a key role in negotiating the final PPA terms and conditions with energy suppliers to allow for the novation of the PPAs upon the close of the BVES Inc. transaction. Oversaw Integrated Resource Plan(IRP) development.
- Expertly managed Transportation Electrification (TE) application to CPUC on a very tight timeline. Worked with consultants to develop two TE pilot programs that install electric vehicle (EV) charging stations and institute time-of-use

(TOU) rates relevant to the BVES service area. Provided oversight in producing direct testimony to support the programs and rebuttal testimony to intervening party testimony. Led settlement talks and quickly reached common ground with interveners to settle.

- Implemented BVES's risk-based decision-making framework to evaluate safety & reliability risks and to ensure GRC mitigates high risk issues. Drafted BVES's Risk Management Manual, which CPUC adopted as template for small California IOUs. Presented BVES's program at CPUC En Banc to other utilities and public as guest speaker and panelist.
- Led efforts to file an application to CPUC to put in place a Distributed Generation tariff for customer owned renewable sources. The program replaced the Net Energy Metering (NEM) program, which closed January 1, 2018. In the DG program, customers are to be compensated based on the 12-month average Net Surplus Compensation Rate published by SCE (CAISO requirement) plus avoided transmission access costs and avoided line losses. True-up will be monthly instead of annually. Additionally, the NEM program agreements were formally capped to 20 years at which point existing NEM customers would transition to the DG tariff. This application was not opposed and was approved by the CPUC as requested.
- Working closely with Regulatory Affairs, he was highly involved in current state regulatory issues including: R.5-02-020 OIR on Further Development of Renewables Portfolio Standard Program, R.14-08-013 OIR on Distribution Resources Plan, R.15-05-002 OIR on Risk Based Decision Making, R.15-05-006 OIR on Fire Safety Maps and Prevention Measures, R.15-06-009, OIR Physical Security of Electric Utility Facilities, R.16-02-007 OIR on Integrated Resource Planning, R.17-05-010 (issued May 19, 2017) OIR to Consider Revisions to Electric Rule 20 and Related Matters, I.17-06-027 and R17-06-028, OII into the Creation of a Shared Database or Statewide Census of Utility Poles and Conduit in California, R.17-07-007 OIR to Consider Streamlining Interconnection of Distributed Energy Resources and Improvements to Rule 21, R.17-10-010 OIR to Consider Amendments to General Order 95, R.18-03-011 OIR Regarding Emergency Disaster Relief Program to Support California Residents, R.18-04-018 OIR to Evaluate the Mobile Home Park Pilot Program and to Adopt Programmatic Modifications, R.18-04-019 OIR Strategies and Guidance for Climate Change Adaptation, R.18-07-005 OIR New Approaches to Disconnections and Reconnections to Improve Energy Access and Contain Costs, R.18-10-007 OIR to Implement Electric Utility Wildfire Mitigation Plans Pursuant to Senate Bill 901, R.18-12-005 OIR to Examine Electric Utility De-Energization of Power Lines in Dangerous Areas, R.19-07-017 OIR to Consider Authorization of a Non-By Passable Charge to Support California's Wildfire Fund, and I.19-11-013 OII on the Commission's Own Motion on the Late 2019 Public Safety Power Shutoff Events.
- Worked hard to engage local leadership and stakeholders improving Company's public image. Held office calls with local leaders including State Senator Mike Morrell, State Assemblyman Jay Obernolte, City of Big Bear Lake Mayor and Councilmen, County Supervisor, and City Manager. Conducted numerous interviews with local media (radio and newspaper) generating positive press about BVES. Spoke about the Company at various local groups and organized community events such as Earth Day gatherings showcasing along with sponsors environmental stewardship. Launched BVES's Facebook platform reaching over 1,700 customers in first 2 weeks and providing daily updates to community.
- Expertly managed short notice change to Mobile Home Park (MHP) conversion pilot project when the designated MHP (90 units) was changed to a 250 unit MHP, a \$5.2 million project. Typically, a 24-month project, his Team designed the project, contracted beyond-the-meter work and underground infrastructure, procured materials and equipment, and installed distribution system within 7 months.
- Implemented 5-year strategy to insert technology into BVES grid to improve safety, reliability and quality of electric service. Geographic Information System (GIS), Outage Management System (OMS), and Interactive Voice Recognition (IVR) System were fully deployed. Instituted significant customer website upgrade including fillable online forms. Established a \$3.9 million project to install a fiber optic network in BVES's service area and automate the grid.
- Promoted staff reorganization to modify 5 positions and eliminate 3 positions in order to better fit requirements of a safety and reliability focused; data driven; and advanced technology oriented electric utility. Plan reduced costs ~\$165,000/yr.
- Worked closely with HCM experts to resolve sensitive staff issues and ensure qualified replacements were hired.
- Maintained productive and excellent working rapport with IBEW Union representatives and settled with the union to establish a 3-year contract, which ratified in January 2018, keeping wages slightly under CPI.
- Established 3-year \$2,600,000 competitively bid contract significantly improving vegetation management program well ahead of changes in CPUC regulations. Improvements increased clearance zones around power lines, established "blue sky" requirement for 34.5 kV system, implemented program to remove dead trees outside the clearance zone that might fall into power lines, and significantly improved documentation of tree trimming activities.
- Ensured numerous regulatory compliance reports were submitted accurately on time to CPUC, Environmental Protection Agency(EPA), South Coast Air Quality Management District(SCAQMD), California Independent System Operator(CAISO), California Air Resources Board(CARB), State Water Resources Control Board(SWRCB), Energy Information Administration (EIA), California Energy Commission(CEC), Federal Energy Regulatory Commission(FERC), and U.S. DOE.
- Proven strong operational leadership in coordinating restoration activities during major outages focusing on public safety first, restoration of service and keeping Company officials, local community leaders and customers informed. During

Holcomb Fire, which resulted in a loss of BVES's main transmission supply, he rallied Staff to dispatch the generation facility, energize an alternate supply line and implement rotating outages to minimize impact on customers. In aftermath, he presented BVES's actions to City of Big Bear Lake City Council and received praise for the Company's efforts.

*Operations & Planning Manager (6/2014 – 8/2016):* Reports to Director, BVES with total accountability for generation, transmission and distribution operations, maintenance, engineering planning and design, and site IT.

- Walked into budget deficit and implemented cost controls to achieve \$1.4MM in savings (surplus) on a \$12.6MM budget in 1<sup>st</sup> 6 months resulting in BVES' 2014 ROR being 11.66% in excess of adopted ROR (8.60%).
- Masterfully managed \$19.6MM capital budget extracting maximum value for shareholders and ratepayers.
- Established frame work for risk based decision making process for asset management, system operations and capital improvement planning.
- Expertly led 24 employees (engineers, planners, IT techs, union linemen and power plant operators) to deliver safe reliable service. Achieved reliability of >99.99%, SAIDI at 48.2 min., and increased power plant availability from 57.1% to 95.8%.
- Managed a highly complex \$10 MM+ major overhead to underground distribution conversion project along 3 miles of the principal roadway at Big Bear Lake. Successfully completed a complete rebuild project (\$1.4 MM) of a major substation to double its capacity and insert state-of-the-art technology including SCADA monitoring and controls.
- Developed strategic 5-year roadmap to convert BVES distribution grid into a smart grid. Initiated implementation of GIS to establish distribution management system (DMS) and designed communications backbone for grid.
- Developed reliability reporting requirements for California IOUs on joint rulemaking working group. Personally drafted proposed General Order for CPUC on reliability indices (SAIDI, SAIFI, MAIFI and CAIDI) recording and reporting.
- Key player in developing 2017 General Rate Case to Public Utilities Commission (PUC) and responsible for assisting in developing 4-year operating and maintenance expense budget, staffing plan, and \$27.8MM capital investment plan.
- Established safety program focused on leading indicators (jobsite inspections, tailboards, equipment checks, and training).
- Renegotiated power plant operating permit to eliminate CEMS requirement realizing over \$130,000/yr. savings.
- Interfaced with media and city officials to promote BVES projects. Established cooperation with school district on science, technology, engineering and mathematics (STEM).

#### **Intertek – Asset Integrity Management (AIM)**

**Houston, TX (4/2012 – 6/2014)**

Delivers mechanical integrity services and products including high-end engineering assessments; reliability engineering; risk based inspection and maintenance programs; integrity database management; advanced non-destructive testing and inspection; process safety management; laser scanning; materials laboratory analysis and software products in the power generation and oil & gas sectors.

*Director of Operations (1/2013 – 6/2014):* Reporting to VP AIM with total P/L responsibility for engineering services (\$17.8MM) and software products (\$6MM). Accountable for all operations including sales and service/product delivery.

- Directed 73 subordinate engineers, technicians, programmers, business development, accounting, and administrative personnel in three major offices and laboratories (Houston, TX, Sunnyvale, CA and Edmonton, AB).
- Developed business development strategy elevating backlog by 22% and sales pipeline by 46%. Increased net margin to 18.1% (6.4% increase) through effective cost controls and improved price points. Made Customer focus top priority using Net Promoter Score to track Customer satisfaction. Established key metrics and indicators to guide business decisions.
- Led all aspects for change management to implement PeopleSoft Financial & HR modules and Customer Relationship Management (MS Dynamics) global system. First in Intertek to use these systems. Gets people onboard with new systems.
- Laser focused on “Getting Right Team in Place.” Restructured group into matrix organization optimizing specialist utilization across projects. Cut obsolete services and recruited profitable consulting engineers. Instituted standard processes.
- Negotiated and approved all project contracts in accordance with corporate risk mitigation guidance. Ts&Cs approver.
- Key player on corporate cross functional team for an acquisition of an advanced nondestructive testing firm (\$180MM+).

*Senior Project Manager (4/2012 – 12/2012):* Reporting to Power Group Director was responsible for 21 Project Managers.

- Raised net margin on 140+ projects from 9.4% to 23.2% in 7 months through persistent intrusive leadership and instituting processes for budgeting, expense tracking and work progress tracking. Implemented ISO 9001 QMS. Drafted QMS manual. ASME NQA-1/ANSI N45.2 Nuclear Lead Quality Auditor. Established HSE industrial facility training program.

- Experienced in advance technical methodologies including: HRSG, boiler and high energy piping; ASME B31.1 & 31.3, Tube-Alert<sup>SM</sup>; TubeMod®; Risk Based Inspection; Equipment Life Optimization; Cost of Cycling; COSTCOM®; AWARE<sup>TM</sup>; NDE (automated UT–mechanized angle beam, time of flight diffraction, phased array; pulsed eddy current); integrity mitigation programs (creep, stress, hydrogen induced and flow-accelerated corrosion); and welding and metallurgical testing (fractographic and micro structural evaluation with scanning electron microscope and energy dispersive element analysis). Well versed in code and standard requirements including ASME, API and NACE.

#### **Envirepel Energy, Inc.**

**San Diego, California (7/2011 - 4/2012)**

Startup company founded to convert waste streams into clean renewable energy (electricity & bio-fuels) without environmental damage.

*VP of Operations (7/2011 - 4/2012):* Reporting to CEO was responsible for all operations including power generation, supply chain; business development; projects; maintenance; compliance; financing, budgeting & forecasting; procurement and HR.

- Managed construction for 0.5MW R&D and 2.8 MW biomass waste-to-energy units. Developed operating & maintenance procedures; process flow & identification drawings; plant instrument & controls; and control software and displays.
- Prepared all project proposals including workbook pro forma linked chemical, heat and material balances detailing all financial and engineering aspects. Delivered investor presentations and prepared stock offering documents.

#### **U.S. Navy: Nuclear Submarine Force**

**Various U.S. and Overseas locations (6/1984 - 7/2011)**

World's most formidable and advanced fleet of nuclear attack and ballistic missile submarines performing national security missions. Held operational and engineering senior leadership positions of progressively increased responsibility and authority including:

*Commanding Officer, Naval Base Point Loma San Diego, CA (7/2008 - 7/2011)*

Chief Executive of multi-mission base (\$2.3B PRV) and large matrix organization (800+ military & civilian (union) staff) supporting 115 tenant commands with 22,000 personnel in 2,200 facilities on 1,803 acres including: 7 nuclear submarines; ship maintenance facility and dry-dock; 1M BBL fuel depot; deep-draft port; torpedo/missile armory; R&D complex with 8,000+ scientists & engineers; training schools; security force; barracks; and 3,200 homes. Directed \$104MM/yr. budget.

- #1 of 10 bases in SW Region for **Customer Service & Operational Excellence**. Above Average 3 yrs. straight on Senior Leadership Customer Survey. Awarded Legion of Merit for excellence and improvements achieved in Command.
- Managed \$506MM modernization and renewable energy projects including construction of 1M BBL fuel depot, R&D facilities, 30MW in new PV systems and deep draft pier restructuring. Responsible for environmental compliance (air, storm-water, waste, noise) for industrial and nuclear activities in California coastal zone. Led public relations gaining Congressional, state and community buy-in on environmental clean-up plan for 5M gallon underground fuel plume.
- Implemented Enterprise Resource Planning (ERP) program (SAP) base-wide integrating with Navy business enterprise.
- Applied LSS reducing utilities by 42% saving \$14MM/yr. Wired smart-grid technology to 2,200 facilities, established usage awareness programs and funded high ROI conservation projects. Earned Secretary of Navy Energy and Water Conservation Award 3 yrs. straight and 2011 Federal Energy and Water Management Award (Department of Energy).
- Led strategic plan to capture stakeholder requirements; assess capability gaps and optimize resource allocation. Improved base support and saved clients \$33MM by merging processes. Changed Navy's plan of record from building new facilities to refurbishing excess buildings for Mine Warfare mission transfer to San Diego saving \$27MM+ and 2 yrs. in construction.

*International Programs Group Leader, Office of Secretary of Defense, Washington, DC (8/2006 - 6/2008)*

Reported to Deputy Assistant to Secretary of Defense (Nuclear Matters). SME for international nuclear issues to the Secretary of Defense. DoD Program Manager for nuclear weapons and energy international agreements and treaties. High-level briefer.

- Developed major policy shift for U.S.-U.K. nuclear weapons program and obtained U.S. President and U.K. Prime Minister approval to enabled collaboration on follow-on Trident missile program and submarine launch design (\$50B+).
- Led technology cooperation on atomic issues with France. Developed robust relationship between Commissariat à l'énergie atomique (CEA) and Department of Energy. Coordinated Cabinet-level engagements with U.K., France and Russia on counter nuclear-terrorism preparing high-level briefs and policy issue papers. Led major exercise to demonstrate procedures.
- Head manager for atomic scientists and engineers at weapons laboratories involved in international programs.

*Senior Board Member, Nuclear Propulsion Examining Board, Pacific Fleet, Pearl Harbor, HI (08/2005 - 08/2006)*

Reported to Pacific Fleet Commander and Director, Naval Reactors (4-Star Admirals). SME handpicked for **Operational Excellence** in nuclear power. Assigned to audit nuclear submarines and aircraft carriers on safety & regulatory compliance.

- Directed team of 10 top performing senior engineers conducting 75+ nuclear regulatory compliance certifications in the Pacific and managing \$1.1MM+ global travel budget. Personally audited 40+ nuclear submarines and aircraft carriers.
- Developed improved metrics based reports with standardized and streamlined inspection audit processes designed to promote best practice/lessons learned sharing within the fleet and specific feedback & benchmarking on performance.

*Commanding Officer, USS OLYMPIA (nuclear powered submarine), Pearl Harbor, HI (08/2002 - 08/2005)*

Reporting to Squadron Commodore, led all operations, training, logistics, maintenance and personnel, with ultimate accountability for mission accomplishment, of front-line nuclear attack submarine (\$2B national asset) and crew of 165.

- Led two 6-month deployments to geo-politically sensitive and tactically challenging areas. Selected as #1 of 6 submarines in Squadron for **Operational Excellence** for 2 yrs. Trusted at National Security Council level to apply risk management on independent submarine covert missions with high consequences at stake. Briefed NSA (White House) on mission results.
- Developed highly effective lessons learned program. Became model for Fleet to follow. ZERO mishaps in 3 yrs.
- Managed 5-month dry-dock turnaround work package on schedule. Saved \$20MM of budget by innovatively sequencing some work flow outside shipyard controlled industrial area saving high overhead costs. This practice became new standard for major maintenance. Achieved lowest annual submarine operating cost (by 18%) while meeting all commitments.

*Assistant Director for Nuclear-Field Enlisted Matters, Naval Reactors, Washington, DC (09/1999 - 12/2001)*

SME to Director (4-Star Admiral) on policy and HR Program Manager for 10,000+ (\$1B+ in compensation) nuclear-field personnel including recruiting, training, career path, compensation, promotion and retention.

- Reduced nuclear training attrition by 17% saving \$11MM/yr. by applying metrics on performance traits and statistical analysis of results to develop improved recruiting acceptance standards. Responsible for adjudicating nuclear trained enlisted personnel assignments to instructor duty and selection to officer college scholarships.
- Optimized nuclear training curricula sequence to deliver Sailors to the Fleet 2 weeks sooner saving \$18MM/yr.

*Executive Officer, USS HOUSTON (nuclear powered submarine), San Diego, CA (10/1997 - 09/1999)*

2<sup>nd</sup> in Command of nuclear submarine (165 personnel). Directed all operations, training and administration. Selected as #1 submarine in San Diego and Top Tactical Performer in Pacific. Recognized for **Operational Excellence**.

*Squadron Engineer, Commander, Squadron 22 Staff, La Maddalena, Italy (8/1995 - 09/1997)*

Principal Engineer reporting to Squadron Commander responsible for oversight of overseas nuclear ship repair site with 2,000+ personnel and \$66MM/yr. operating budget providing maintenance and logistics support for 18 deployed submarines. Executed 120+ ship turnarounds-outages (2.1MM man-hrs.). Directed repair facility SUBSAFE/Nuclear QMS Program. Managed site infrastructure including sure power generation, water treatment, HAZMAT and waste oil, sewage plant, cranes, and port tugs and support boats.

*Chief Engineer, USS PROVIDENCE (nuclear powered submarine), Groton, CT (12/1991 - 8/1995)*

Reporting to the Captain, led Engineering Department (72 personnel) responsible for safe operation and maintenance of nuclear reactor and all submarine support systems. Managed major nuclear submarine reactor overhaul project (\$104MM) including production, schedule, radiological controls and quality assurance. Delivered 2 months early & \$18MM under budget. Achieved highest rating for nuclear plant operations. Strong operating experience with nuclear power plant reactor controls instrumentation, chemistry and radiological controls, mechanical systems and power generation and distribution.

*Staff Watch Officer, Commander, Submarine Group 8 Staff, Naples, Italy (8/1989 - 12/1991)*

Selected as Top Staff Watch Officer during Desert Shield/Desert Storm. Managed global submarine logistics and - operations.

*Division Officer, USS WILL ROGERS (nuclear ballistic missile submarine), Holy Loch, Scotland (6/1984 - 7/1989)*

Recognized as Junior Officer of the Year for excellence in submarine operations. Served as Communications Officer, Chemistry & Radiological Controls Assistant, Reactor Controls Assistant, Sonar & Torpedo Officer, and Assistant Engineer. Qualified Engineering Officer of the Watch, Officer of the Deck, Submarine Officer Warfare Officer, and Nuclear Engineer Officer.

### **Continuing Training:**

Utility Rate Design and the Influence of Emerging Technologies October 2019, Phoenix, AZ  
CA Renewable Energy Procurement Summit (panelist)(Infocast) October 2019, Sacramento, CA  
Wildfire Technology Innovation Summit (CPUC & CAL FIRE) March 2019, Sacramento, CA  
Working with Electric Utility Contracts (PPAs)(EUCI) November 2018, Denver, CO  
Rate Design Conference: Rate Design Renaissance (EUCI) October 2018, Minneapolis, MN  
Solar Power Plant Design Fundamentals (EUCI) April 2018, Portland, OR  
Electric Vehicle-Utility Industry Nexus (EUCI) December 2017, Anaheim, CA  
Western Power Summit (Access Intelligence) October 2017, Denver, CO  
California Energy Summit (INFOCAST) May 2017, Santa Monica, CA  
Storage Summit (INFOCAST) January 2016, San Diego, CA  
Advanced Storage Technologies (INFOCAST) January 2016, San Diego, CA  
California ISO Symposium (CALISO) 2015, 2016, 2017, & 2018 Sacramento, CA  
Utility Rate School (NARUC) May 2015, San Diego, CA  
Distribution Management Systems: Strategies for Success (UU206 – DistribuTech) February 2015, San Diego, CA  
Planning of Smart Distribution Systems (UU311 – DistribuTech) February 2015, San Diego, CA  
ASME NQA-1/ANSI N45.2 Nuclear Lead Quality Auditor Course, Atlanta, GA May 2012  
Naval Senior Officer Business Course, Naval Post Graduate Scholl, April 2009  
Karrass Effective Negotiating 2 The Follow-on Program, March 2009  
Karrass Effective Negotiating, 2008  
Family Advocate Program & Command Family Advocacy Representative Training, August 2008  
Explosives Safety and Environmental Risk Management Course, July 2008  
Shore Station Senior Leadership Course, July 2008  
National Security Personnel System Course, July 2008  
Submarine Prospective Commanding Officer Course, June 2002  
Antiterrorism Force Protection Training for Commanding Officers, October 2002  
Submarine Prospective Executive Officer Course, December 1997  
Senior Leaders Seminar, Department of the Navy June 1996  
Submarine Officers' Advanced Course, June 1992  
Sealed Authenticator System-Emergency Action Procedures, March 1991  
Communications Security Materials Course, October 1986  
Intercultural Relations Course, August 1989  
Naval Submarine School, February 1986  
Naval Nuclear Power School, March 1985

**Qualifications:** Major Navy Command; Nuclear Propulsion Submarine Command; Chief Engineer for Nuclear Propulsion Plants; Submarine Warfare Officer; Officer of the Deck; Engineering Officer of the Watch; ASME NQA-1/ANSI N45.2 Nuclear Lead Quality Auditor.

**Security Clearance:** Held Top Secret – Sensitive Compartmented Information (SCI) & Special Access Program (SAP).

**Community Service:**

- Elected President of Bear Valley Mountain Mutual Aid Association (organization dedicated to bringing together over 25 community government and non-government organizations to provide coordinated disaster & emergency response).
- Elected President of the Board for Viking Estates Home Owners Association in Big Bear Lake.
- Food Pantry organizer in Big Bear Lake raising increasing record levels in contributions each year for 4 years.



# JOHN K. (JACK) HAWKS

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## RESUME of QUALIFICATIONS

### SUMMARY OF EXPERIENCE

Senior Energy and Water Utility Executive with proven record of regulatory, legislative and public affairs successes for a major national energy company, two national energy associations, and one state water utility association. Forty-five years' experience in natural gas utility marketing and media relations, wholesale electric power generation and power marketing, power plant siting and development, federal energy regulatory policy, water utility regulatory and legislative affairs, as well as acquisitions and consolidation of small water utilities. Areas of expertise include:

- Water/Electric Utility Regulatory Affairs
- Water/Electric Utility Legislative Affairs
- Cost-of-Service Ratemaking/Rate Design
- Federal ISO and State PUC Regulatory Policy
- Water/Electric Utility Public Policy
- Association Management
- Wholesale Electric Power Marketing
- Merchant Power Plant Screening/ Development
- Business Presentations and Proposals
- Media Relations/Public Affairs
- Conference Program Development
- Staff Support for Boards of Directors
- Coalition Building/Grass Roots Support
- Utility Marketing/Communications

### ACCOMPLISHMENTS

- Served as the first Executive Director of the California Water Association for 14-plus years; successfully implemented its ongoing regulatory, legislative and communications plans. Was instrumental in the development and enactment of multiple water industry/California Public Utility Commission/State Water Resources Control Board legislative statutes and regulatory policies during that time.
- Served on the Board of Directors of the Electric Reliability Council of Texas (ERCOT) and was Board Chair in 2000-2001. Was one of the principals in the design and initial operation of the ERCOT Independent System Operator (ISO) wholesale market, the ERCOT retail electric market, and the integration of these two market designs with ERCOT's reliability responsibilities and obligations.
- Served on the Pennsylvania-New Jersey-Maryland (PJM) ISO's Members (policymaking) Committee from 1998 -2002 and chair of its Governance Committee. Helped refine PJM's market design and established a governance structure that provided equity for utilities, wholesale and industrial customers, power marketers, retail energy suppliers, independent power producers, and regulators.
- Served as a principal in the design and establishment of the North American Energy Standards Board (NAESB), and particularly its governance structure.
- Effectively managed the media relations programs of the American Gas Association and the Electric Power Supply Association.

### EMPLOYMENT HISTORY

#### **J.K. HAWKS & ASSOCIATES, INC. – President**

2005 – 2020

Provided water/energy utility consulting services, including siting and permitting of natural gas-fueled power plants and water utility regulatory and legislative affairs.

#### **CALIFORNIA WATER ASSOCIATION – Executive Director**

2005 – 2020

Served as lead executive officer; managed the Association's regulatory, legislative, and communications programs; represented the Association before the California PUC, the State Water Resources Control Board, the Dept. of Water Resources, the Governor's Office and the state legislature.

#### **ELECTRIC POWER SUPPLY ASSOCIATION – Vice President, Public Affairs & Planning**

2003 – 2005

# JOHN K. (JACK) HAWKS

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Managed the Association's state regulatory and legislative programs, as well as its media relations, external communications and planning functions.

## **PG&E NATIONAL ENERGY GROUP**

1991 - 2003

### **Vice President Regulatory Affairs and Market Policy**

(1998 - 2003)

Responsible for Regional Transmission Organization (RTO) and ISO regulatory policy development and implementation in PJM, New York ISO, New England ISO, Midwest ISO, ERCOT, Southwest Power Pool, RTO West and the California ISO. Ensured a favorable business environment for the company's capital assets and continually advocated for development of a functional wholesale market structure that optimized the company's market and energy trading activities.

### **Vice President, Government Relations**

(1995 – 1998)

Responsible for federal and state legislative affairs, and for state regulatory affairs. Managed a dozen local consultants involved with advocating on behalf of the company in its local power plant development activities, as well its power plants in construction and operation.

### **Director, Public Affairs**

(1991-1995)

Responsible for all local community activities, including advocacy, NIMBY efforts, and media relations with local municipalities, city councils, county commissions, planning commissions, legislators, etc., in connection with the development, construction and operation of approximately 15 different power plants in more than a dozen states from California to Florida.

## **AMERICAN GAS ASSOCIATION –**

1975 – 1991

### **Director, Public Information**

(1988 - 1991)

Responsible national media relations and all external communications; responsible for writing and preparation of senior officer speeches and presentations; editor of the Association's weekly government relations newsletter.

### **Director, Advertising Programs**

(1986 - 1988)

Responsible for the natural gas distribution industry's national advertising program, which included preparation of print ads and television commercials that appeared in national business and newsweekly publications, as well as political talk shows, television news shows, and major televised sporting events.

### **Manager, Advertising & Promotion**

(1981 - 1986)

Assisted the Director in all the above tasks and was solely responsible for the Association's business-to-business industrial and commercial advertising and advertorials, including cooperative marketing programs with manufacturers of natural gas-fueled appliances and equipment.

### **Assistant Manager, Advertising & Promotion**

(1975 - 1981)

Similar to above, but without the sole responsibility of the I/C advertising.

## **HONORS**

- Member of American Gas Association's Industrial/Commercial "Hall of Flame"
- Member of American Gas Association's Residential "Hall of Honor"
- Recognized by NAESB for the instrumental role he had in its formation
- Recognized by the California State Senate for his contributions to California water utility policy.

## **OTHER QUALIFICATIONS**

- MBA, George Mason University, Fairfax, VA
- BS Journalism & Mass Communications, University of Kansas, Lawrence, Kansas

## JOHN K. (JACK) HAWKS

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- Attended College of William & Mary, Williamsburg, VA; majored in political science.
- Accredited by the Public Relations Society of America

# Harry Scarborough

## Target: Board of Directors – Electric Utility & Power Generation Sectors

### Expert in Mergers & Acquisitions, Operations, Risk Management, and Strategic Plan Development

Experienced board member with 25+ years of experience in the Electric Utility and Power Generation, Education, and Business Development sectors with a history of award-winning performance as a visionary leader for development planning, goal setting, budget forecasting, and advancing corporate growth. Repeated success propelling teams to improve operational efficiencies including performance metrics in support of the corporate strategic plan. Applied varied experience that provides valuable perspective to boards to cultivate a sense of partnership across the company. Incorporated a drive for growth with fiscal responsibility and emphasis on generating the highest possible ROI/ROR.

#### Highlighted executive achievements include:

- Achieved 8% YoY growth in annual revenues for 2018 & 2019 (Northwest Lineman College)
- Generated enrollment growth by 10-30% between campuses (Northwest Lineman College)
- Received Campus of the Year Award 2017 & 2018 (Northwest Lineman College)
- Successful negotiation of union contract renewals (BVES)
- In 2015, Achieved a 9.7% actual Rate of Return against a budgeted 8.6% through an ambitious capital improvement program. (BVES) □
- In 2015, ROE was 12.26% compared to a forecasted 11.32%. Earnings per share (EPS) were \$.07 vs \$.06 budgeted.
- Developed ambitious capital improvement programs (BVES), to include undergrounding of distribution
- Former Executive Member of the Southern California Leadership Council Energy Subcommittee formed in 2012 to address energy policy and quality of life issues in Southern California. (BVES)
- Extensive experience dealing and negotiating with the California Public Utility Commission, the Federal Energy Regulatory Commission and the North American Electric Reliability Council. (MMC Energy)

#### EXECUTIVE LEADERSHIP PERFORMANCE

#### Chief Education Officer/ VP of Campus Operations (2019 – Present) | Campus President (2016 – 2019)

Northwest Lineman College (<https://lineman.edu/>) | Ada County, Idaho | 2016 - Present

*A private vocational technical college with a concentration on careers in the electric power, telecom, and natural gas industries offering career training programs in partnership with a Fortune 500 company, Quanta Energy Services.*

**SCOPE: Curriculum Development & Program Development ▪ 4 U.S. Campuses ▪ 8,000+ Students ▪ 16 Direct Reports ▪ 1,000+ Employer Facilitation ▪ Manage education operations, finance, enrollment engagement, and business standards.**

**SUMMARY OF CONTRIBUTIONS:** Advanced quickly from Campus President to the Chief Education Officer based off the ability to advance to positions of increasing scope, responsibility, and complexity while delivering against operational, team, and financial performance goals. Serve as one of five officers reporting to directly to the CEO. Provide educational strategic planning and direction related to proven best practices in the power delivery, gas, and telecommunications industries. Establish B2B relationships to fuel student's training and learning experience for future career opportunities. Recruit, onboard, train, and lead a department of 16 curriculum developers, graphic designers, and instructional designers to develop world-class educational materials for the utility trades. Assists in the creation of new programs and courses.

#### SELECTED ACCOMPLISHMENTS:

- Initiated weekly situation reports from all four campus presidents to drive enrollments and campus objectives.
- Conducted mock audits every six months leading to all campuses receiving outstanding grades through our internal audit process in advance of the actual audit dates.
- Worked extensively with the marketing group to analyse the student market to further focus on areas that could have the greatest impact.
- Accelerated an 8% YoY growth in annual revenues for 2018-2019; drove enrollments up by 10-30% on each campus; reduced expenses 3-5% annually for 2018-2019.

**Director**

**Bear Valley Electric Service (<https://www.bves.com/home/>) | Big Bear Lake, CA | 2010-2016**

*Bear Valley Electric Service is a leading provider of power to the Lake Williams, Erwin Lake, Sugarloaf, Big Bear City, Big Bear Lake, Moonridge, Fawnskin and Boulder Bay areas.*

**SUMMARY OF CONTRIBUTIONS:** Created accountability within the organization by performing change management initiatives including the reconstruction of the entire team of approximately 30 employees, revising policies and procedures, and establishing internal KPIs in support of the corporate strategic plan. Provided the utility with instantaneous data that was previously unavailable by replacing analog mechanical meters for every customer with automated digital meters. Improved labor costs with better visibility on the scope of power outage events.

**SELECTED ACCOMPLISHMENTS:**

- Decreased customer informal CPUC complaints by 30% with only two complaints for 2012.
- Reliability of electrical service was 99.99%.
- Doubled net income in the first year of this position through successful general rate case filing and cutting of operations and maintenance expenses.
- Initiated capital improvement to replace all meters with AMRs resulting in a reduced labor expenses and \$200K in savings
- Held down wage increases to 2.5%, 2.25% and 2.25% for 2011, 2012 and 2013, significantly below the union's requested increases.
- Co-Authored Bear Valley Electric Enterprise Risk Assessment Matrix – Identifying Key Operational and Financial Risks and actions to mitigate identified risks
- Completed phase 1 & 2 of the Big Bear Boulevard Undergrounding Project and completing the designing and planning for Phases 3 &4

**Senior Vice President**

**MMC Energy, Inc. (<http://www.mmcenergy.com/>) | New York, NY | 2006-2009**

**SUMMARY OF CONTRIBUTIONS:** Established a business strategy for the California region to include analyzing market conditions, contacting current owners to discuss plans to divest assets, and performing due diligence during advanced stages of bid proposals for renewable and fossil-fired facilities. Developed strategy for taking company through an intensive public offering and lining up investors for key capital purchases and company growth.

**SELECTED ACCOMPLISHMENTS:**

- Negotiated a twenty-five-million-dollar loan facility with GE for the purchase of gas turbines
- Successfully permitted a repowering application through a conditional use permit process utilizing a mitigated negative declaration

**ADDITIONAL PREVIOUS CAREER EXPERIENCE**

**Director of Operations, Maintenance, and Construction** | Commissioning, Enron Wind/GE Wind Corporation | 1998 – 2001  
**International Regional Manager** | GE Power systems/Stewart and Stevenson | 1996 – 1998  
**Plant Manager** | Stewart and Stevenson Operations, Inc. | 1995 – 1996  
**Plant Manager** | LFC Power Systems | 1993 – 1995

**EDUCATION**

**Executive Graduate Certificate in Business Administration** - University of Notre Dame, Notre Dame, Indiana  
**Master of Science, Organizational Development** - Chapman University, Orange, CA  
**Master of Arts, Education and Training** - Chapman University, Orange, CA  
**Bachelors Business Administration** - National University, San Diego, CA  
**Graduate**, Office of Water Programs, Water Distribution. System O&M - California State University Sacramento  
California General Building Contractor's License ▪ Navy Nuclear Power Training

**APPENDIX B**

**SAFETY-RELATED EDUCATION AND EXPERIENCE**

**OF EACH SAFETY COMMITTEE MEMBER**

## **Safety-Related Education and Experience of Committee Members.**

### **Paul Marconi, Safety & Operations Committee Chairman:**

Mr. Marconi's relevant safety experience includes 39 years of experience of operational leadership in power generation, distribution, petrochemical, nuclear power generation, and other industrial environments. He has held executive leadership roles in these areas, including being entirely responsible and accountable for all aspects of environment, health, and safety.

**Bear Valley Electric Service, Inc. (subsidiary of American States Water Company) Big Bear Lake, CA (6/2014 – Present)** Mr. Marconi over sees all aspects of the Company's environment, health and safety program, and leads the development and implementation of Bear Valley's Wildfire Mitigation Plan, which has safety as its top priority. Mr. Marconi's oversight of Bear Valley's safety programs as resulted in an outstanding record of no employee fatalities, no employee contact with high voltage, and no ignitions during his tenure. In addition to implementing wildfire mitigation plans and being responsible for public and worker safety with respect to the plan, Mr. Marconi oversees Bear Valley's power plant safety program, its Hazmat programs, and all of the Company's Cal/OSHA safety programs. Mr. Marconi implemented a three-year program to improve Bear Valley's safety culture and he personally works closely with an expert environment, health, and safety consultant execute the safety culture improvement program.

**Intertek – Asset Integrity Management (AIM) Houston, TX (4/2012 – 6/2014)** As Director of Operations, Mr. Marconi oversaw piping integrity programs at major refineries and power generation plants throughout the world to ensure safe operations of these facilities. Specifically, Mr. Marconi implemented and oversaw wall thickness inspection programs at refineries, which is critical to preventing catastrophic piping failures that could lead to major fire and explosions. Additionally, Mr. Marconi implemented and oversaw critical weld joint inspection programs at power plants essential to preventing catastrophic high pressure steam leaks.

Mr. Marconi completed a 27 year career in submarines and the Naval Nuclear Propulsion Program holding numerous leadership positions directly responsible for the safety operation of naval nuclear propulsion plants. Specific safety related experience includes:

- **Naval Base Point Loma San Diego, CA (7/2008 - 7/2011)** Mr. Marconi was the Commanding Officer and was responsible for the safe operations and maintenance of 7 nuclear submarines, 1 million barrel fuel depot, 30 MW in PV systems, all aspects of base Hazmat operations, and a major explosive ordinance facility. These activities involved inherently dangerous materials and catastrophic risks not only to Navy personnel, but also to the general public at large.
- **U.S. Pacific Fleet, Pearl Harbor, HI (08/2005 - 08/2006)** Mr. Marconi was the Senior Board Member, Nuclear Propulsion Examining Board, and he directed a team of 10 top performing senior engineers conducting 75+ nuclear regulatory safety compliance certifications in the Pacific. He personally oversaw, inspected and audited 40+ nuclear submarines and aircraft carriers to certify their ability to safely operate their nuclear propulsion plants.
- **USS OLYMPIA (nuclear powered submarine), Pearl Harbor, HI (08/2002 - 08/2005)** Mr. Marconi was the Commanding Officer responsible for all aspects of safe submarine operations and nuclear safety. He oversaw the implementation of operational risk



management to reduce shipboard accidents and incidents. Mr. Marconi implemented processes and procedures to plan, brief, and train his crew for high risk training events and he establish metrics to monitor with tripwires to abort the event or take remedial action as appropriate to avoid unsafe conditions from developing.

- **Commander Squadron 22 Staff, La Maddalena, Italy (8/1995 - 09/1997)** Mr. Marconi was Principal Engineer reporting to Squadron Commander responsible for oversight of overseas nuclear ship repair site with providing maintenance and logistics support for 18 deployed submarines. Directed repair facility SUBSAFE/Nuclear QMS Program. Managed site infrastructure including shore power generation, water treatment, HAZMAT and waste oil, sewage plant, cranes, and port tugs and support boats.
- **USS PROVIDENCE (nuclear powered submarine), Groton, CT (12/1991 - 8/1995)** Mr. Marconi was the Chief Engineer responsible for safe operation and maintenance of nuclear reactor and all submarine support systems. Mr. Marconi was responsible for ensuring reactor operators were properly trained and qualified to operate the reactor plant safely. He also was responsible for approving all procedures used in the reactor plant to ensure they were safe to execute.
- **Mr. Marconi achieved the following specific qualifications and certifications:** Major Navy Command; Nuclear Propulsion Submarine Command; Chief Engineer for Nuclear Propulsion Plants; Submarine Warfare Officer; Officer of the Deck; Engineering Officer of the Watch; ASME NQA-1/ANSI N45.2 Nuclear Lead Quality Auditor. All of these qualifications and certifications include a heavy emphasis on reactor safety and/or safe deep submergence operations, which are inherently dangerous.

**John K. Hawks, Safety & Operations Committee Member:** Throughout Mr. Hawks' 49 years of utility experience, he has had extensive leadership roles with particular responsibilities in developing and implementing policies for employee, contractor and public safety. Mr. Hawks' executive experience is extensive with natural gas, electric and water utilities, and it has provided him a broad perspective toward public safety. Some of Mr. Hawks' specific safety-related experience, includes:

**California Water Association (2005 – 2020)** As Executive Director, Mr. Hawks was responsible for developing water utility public safety policies in California. Specifically, as it relates to utility safety policies, standards and practices, Mr. Hawks led the Association's efforts in revising the California Public Utilities Commission's General Order 103, which sets forth the Commission's rules governing water and sewer service and the minimum standards for design, construction, and the safe operation of the water and sewer systems. It applies to all water and wastewater utilities operating under the jurisdiction of the Commission. In particular, Mr. Hawks participated in and/or led all of the working groups that updated and rewrote the sections of the general order related to: Water Supply Requirements and Quantity of Water; Standards of Design and Construction; Fire Protection Standards; Water Quality, Testing of Water; Measurement of Service; Operation and Maintenance; Rates and Billing; and Customer Relations Performance Standards.

**Electric Power Supply Association (2003 – 2005)** As Vice President, Public Affairs & Planning, Mr. Hawks developed and implemented electric power plant public safety policies through regulatory and legislative programs.

**PG&E National Energy Group (1991 – 2003)** Serving in various senior leadership roles (Vice President Regulatory Affairs and Market Policy, Vice President, Government Relations, and Director, Public Affairs), Mr. Hawks was deeply involved in developing and implementing the company's policies directly advancing public safety in the safe operation of the company's 18 power plants throughout the United States.

**American Gas Association (1975 – 1991)** Serving in various Manager and Director leadership roles, Mr. Hawks promoted utility gas public safety policies and programs.

**Harry Scarborough, Safety & Operations Committee Member:** Mr. Scarborough's relevant safety experience includes 25 plus years of experience in the Electric Utility and Power Generation sectors and 40 plus years of operational leadership experience in technical and industrial environments. He has held several executive leadership roles in in these areas entirely responsible and accountable for all aspects of environment, health, and safety. Some of Mr. Scarborough's specific safety related experience, includes:

**(Retired) Northwest Lineman College- A Division of Quanta Energy Services - Ada County, Idaho :** As Chief of Staff (2022 to 2023) Chief Education Officer/VP of Campus Operations (2019 – 2022) and Campus President (2016 – 2019), Mr. Scarborough ensures programs and processes are in place to ensure high risk linemen training is conducted safely and that linemen students graduate the Northwest Lineman College with a deep understanding of employing proper safety procedures. Mr. Scarborough, as an employee of Quanta, is in the people business and Quanta Employees know that people are fallible. We always do our best to prevent incidents, but Quanta realizes that mistakes will happen. When mistakes happen, the question becomes “Do we have the capacity to absorb failure, WITHOUT CAUSING HARM? To be ready we will plan and execute work assuming that failure will happen at any moment. We learn from each job, each mistake, and each success to continue to getting better. Safety is not the mere absence of injuries, it is the presence of capacity. Safety is not just a policy – safety is the core of who we are and at the forefront of our focus. Mr. Scarborough was instrumental in developing the curriculum of the “Capacity Model” that recognizes traditional safety practices have greatly reduced the number of workplace injuries during the last several decades, but life-ending events have declined at a slower rate. To further reduce serious and life-ending events, Quanta Services developed The Capacity Model™ and is changing the way the industry approaches safety. At the core of this model is a human performance philosophy which embraces the fact that error is normal and people will make mistakes. That acknowledgement, coupled with an increased understanding of how people interact with their work environments, enables Quanta to more effectively identify hazards and put in place targeted protections (controls).

**Bear Valley Electric Service Big Bear Lake, CA (2010-2016)** Mr. Scarborough was the Director responsible for all aspects of employee, contractor and public safety in electrical distribution and power generation.

**Enron Wind/GE Wind Corporation (1998 – 2001)** As Director of Operations, Maintenance, and Construction/Commissioning, Mr. Scarborough oversaw all aspects of renewable power generation project environment, health and safety programs.

**GE Power systems/Stewart and Stevenson (1996 – 1998)** As the International Regional Manager, Mr. Scarborough provided oversight for environment, health and safety for each of the power generation projects for which he was responsible.

**Stewart and Stevenson Operations, Inc. (1995 – 1996)** As Plant Manager, Mr. Scarborough was responsible for ensuring the safe operation of the power generation systems under his responsibility.

**LFC Power Systems (1993 – 1995)** Mr. Scarborough was the Plant Manager responsible for ensuring the safe operation of the power generation systems under his responsibility.

## **APPENDIX C**

### **SAFETY COMMITTEE'S ROLE IN OVERALL CORPORATE GOVERNANCE**

The Safety Committee of the BVES Board of Directors (“Board”) is responsible for overseeing (i) the preparation of BVES’s wildfire mitigation plan and the assessment of BVES’s compliance with the plan, (ii) other activities intended to identify wildfire risks and other safety risks related to the operation and maintenance of the BVES electric utility system, (iii) steps taken to reduce such risks and to respond to safety events, and (iv) such other matters as set forth in its charter or delegated to the Safety Committee from time to time by the Board. The Safety Committee reviews, approves, modifies, and assesses the effectiveness of, and seeks to improve, BVES’ safety culture and its safety programs, policies and practices related to the operation and maintenance of its electric utility system, and considers actions to prevent, mitigate or respond to wildfires and other BVES risks related to the operation and maintenance of its electric utility system. Management updates the Safety Committee thoroughly on these issues at least quarterly and acts upon the recommendations of the Safety Committee. The Safety Committee reports regularly to the Board on deliberations, recommendations and actions taken by the Safety Committee. The oversight role of the Safety Committee with respect to such BVES safety-related matters does not alter management’s safety-related authority, responsibility or accountability. The Safety Committee’s powers and responsibilities are delegated by the Board as set forth in the Safety and Operations Committee’s Charter. Currently, three BVES Board of Directors serve on the Committee.

**APPENDIX D**

**REPORT ON SIGNIFICANT TOPICS COVERED BY  
SAFETY AND OPERATIONS COMMITTEE SINCE ISSUANCE OF  
LAST SAFETY CERTIFICATION**

The Safety and Operations Committee (“Safety Committee”) meetings of the BVES Board of Directors include thoughtful and comprehensive discussion of safety issues and topics affecting the Company, including ongoing public safety and wildfire mitigation efforts. At each meeting, the Safety Committee receives an update on the Company’s safety performance metrics to date. These meetings are summarized and reported to Energy Safety and the Commission in BVES’s Quarterly Notification Letters documenting the ongoing implementation of BVES’s Wildfire Mitigation Plan pursuant to Public Utilities Code Section 8389(e)(7).

The Safety Certification Guidance further requires BVES to provide a description of significant topics covered by the Safety Committee since the issuance of the last Safety Certification. Since BVES’s last safety certification was requested, the Safety Committee has considered the following topics of significance:

- On November 16, 2023, the Safety Committee heard presentations and conducted discussions on the following topics of significance on current safety items at BVES including:
  - Wildfire Mitigation Plan (WMP) compliance;
  - WMP initiative targets, progress on achieving the targets, resourcing WMP initiatives, and challenges in executing WMP initiative targets;
  - Status of implementing and completing 2022 SCA recommendations;
  - Safety certification and progress in achieving the requirements to obtain a safety certification;
  - Safety metrics and performance;
  - Draft results of 2022 Independent Evaluator Annual Report of Compliance of 2022 WMP Initiatives;
  - Fast Trip Settings; specifically, how other utilities in California are implementing Enhanced Powerline Safety Settings (EPSS) programs; and

- An overview of the WMP Initiatives accomplished since BVES implemented its first WMP in 2019.
- On February 22, 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 (WMP) compliance;
  - WMP initiative targets, progress on achieving the targets, resourcing WMP initiatives, and challenges in executing WMP initiative targets;
  - Status of implementing and completing 2022 SCA recommendations;
  - Safety certification and progress in achieving the requirements to obtain a safety certification;
  - Safety metrics and performance; and
  - Changes to the 2023-2025 WMP that would be included in the 2025 WMP Update and the reasons behind the changes.
- On June 6, 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 (WMP) compliance;
  - WMP initiative targets, progress on achieving the targets, resourcing WMP initiatives, and challenges in executing WMP initiative targets;
  - Safety certification and progress in achieving the requirements to obtain a safety certification;
  - Safety metrics and performance;
  - Preparations for the 2024 fire season;
  - Fire potential index model implemented by Bear Valley that was being used each day to evaluate wildfire risk and aid in determining the operational posture of the distribution system based on the fire risk;
  - A study that was being conducted by an expert consultant on the use of Fast Trip Settings to reduce the likelihood of ignitions;
  - 2023 SCA Report and its recommendations, and
  - Management's plan of action to implement the 2023 SCA recommendations.
- On August 22, 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 (WMP) 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;
- Draft results of 2023 Independent Evaluator Annual Report of Compliance of 2023 WMP Initiatives;
- Funding and resourcing of WMP initiatives;
- Current BVES system protective settings and Fast Trip Settings a study that was being conducted by an expert consultant on the use of Fast Trip Settings to reduce the likelihood of ignitions; and
- Public safety power shut-off (PSPS) processes and preparations;

## **APPENDIX E**

### **DESCRIPTION OF SAFETY AND OPERATIONS COMMITTEE**

#### **RECOMMENDATIONS AND IMPLEMENTATION**

The Safety and Operations Committee (“Safety Committee”) meetings of the BVES Board of Directors include recommendations for BVES. The following is a description of all safety committee recommendations and an indication whether the electrical corporation has implemented these recommendations since issuance of the last Safety Certification:

- On November 16, 2023, the Safety Committee recommended the following:
  - 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. This recommendation was fully implemented by BVES management.
  - That BVES management engage an expert consultant to examine if use of Fast Trip Settings in the BVES sub-transmission and distribution system. This recommendation was fully implemented by management.
- On February 22, 2024, the Safety Committee recommended approval of an increase to the 2024 Capital Investment budget to support a WMP grid hardening project scheduled for 2024. 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. This recommendation was fully implemented by BVES management.
- On June 6, 2024, the Safety Committee agreed with management’s decision to accept and implement the recommendations of the 2023 Safety Culture Assessment (SCA). Additionally, the Safety Committee agreed with the plan of action management proposed to implement the 2023 SCA recommendations. BVES management has taken action to

execute the plan of action to implement the 2023 SCA recommendations, which will improve the BVES safety culture and the safety culture of its contractors involved in WMP work.

- On August 22, 2024, the Safety Committee recommended approval of an increase to the 2025 Capital Investment budget to support WMP grid hardening projects scheduled for 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. This recommendation was fully implemented by BVES management.

**APPENDIX F**

**DETAILS OF AUGUST 28, 2024 PUBLIC MEETING**

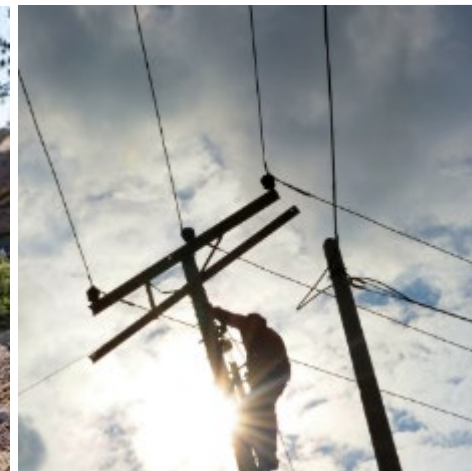
**AND**

**RELATED PRESENTATION MATERIALS**

On August 28, 2024, the Commission and OEIS hosted a public meeting on utility safety practices during which BVES's President and Safety Committee Chairman, Mr. Paul Marconi, made a presentation on safety practices and answered questions from the Commission and OEIS. Mr. Marconi highlighted the following areas regarding public safety:

- System Overview
- Safety Governance Model
- Safety Committee Topics & Recommendations
- Safety Performance
- Update on WMP Implementation Progress
- 2022 & 2023 SCA Recommendations Progress
- Lessons learned (internal & external sources)

Set forth below are related presentation materials for the public hearing.



# **Safety and Operations Committee Board Level Brief to CPUC and OEIS**

Paul Marconi, President, Treasurer, Secretary, & Safety Committee Chairman  
August 28, 2024

# Outline



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

- System Overview
- Safety Governance Model
- Safety Committee Topics & Recommendations
- Safety Performance
- Update on WMP Implementation Progress
- 2022 & 2023 SCA Recommendations Progress
- Lessons learned (internal & external sources)





# Service Area Overview



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

**Location:** 32-sq. miles of rural and mountainous terrain at approximately 7,000 ft. in San Bernardino Mountains (80 miles East of Los Angeles).

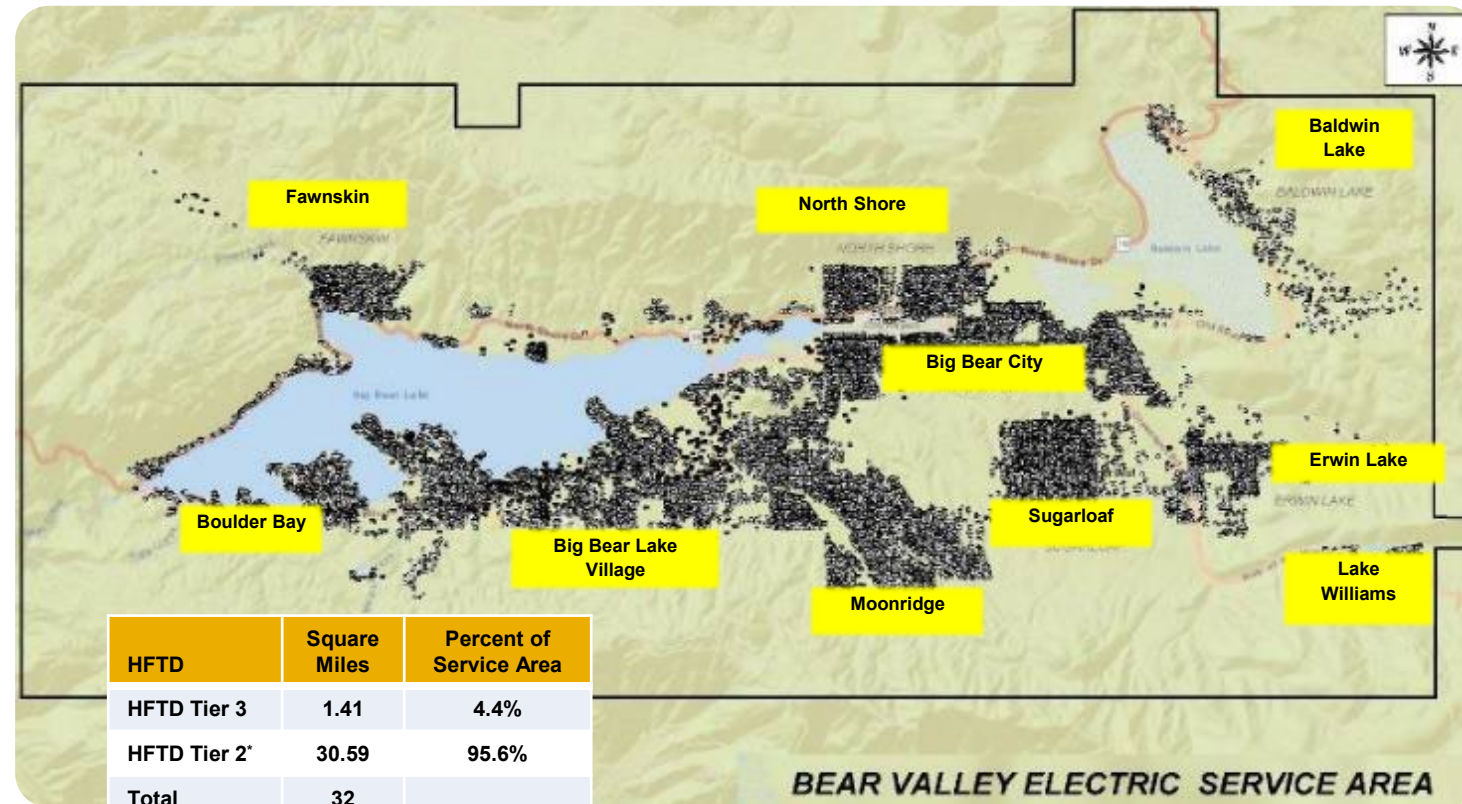
- Entire Service Area is > 3,000 ft. elevation requiring more resilient construction standards.
- Entire Service Area is in the High Fire Threat District Tier 2 and Tier 3

**Key jurisdictions:** County of San Bernardino, City of Big Bear Lake, U.S. Forest Service, CALTRANS.

**Customer Meters:** 24,822 total [Residential: 23,331; Commercial: 1,491; CARE: 1,775; AFN: 716; MBL: 163].

## Electrical System:

- Sub-transmission (34.5 kV)
  - 9.8 circuit miles bare overhead (OH) conductor (32.9%)
  - 19.1 circuit miles covered OH conductor (64.1%)
  - 0.9 circuit miles underground (UG) (3.0%)
- Distribution (4 kV)
  - 143.1 circuit miles bare OH conductor (60.8%)
  - 38.9 circuit miles covered OH conductor (16.6%)
  - 53.2 circuit miles UG (22.6%)
- Substations: 13
- Supply Lines: 39 MW total
- Bear Valley Power Plant: 8.4 MW
- Service Area Renewable Generation: 6.16 MW
- Load is winter & evening peaking
  - Historical peak: 46 MW (2021)
  - Load delivered: 138,272 MWh (2023)
  - 41.3% qualified to Renewable Portfolio Standards



\*1.78 sq. mi. (5.6%) is Big Bear Lake (no assets).

# Safety Governance

**Bear Valley Electric Service, Inc.**

Board of Directors

Safety & Operations Committee

Management Team

**Safety & Operations Committee is responsible for overseeing:**

- Preparation of BVES's wildfire mitigation plan and the assessment of BVES's compliance with the plan,
- Other activities intended to identify wildfire risks and other safety risks related to the operation and maintenance of the BVES electric utility system,
- Steps taken to reduce such risks and to respond to safety events, and
- Such other matters as set forth in the charter or delegated to the Committee from time to time by the Board.







# Safety Governance Model



# Safety & Operations Committee

## Topics



### 12 Months Prior Topics:

- The Committee is briefed each quarter in detail on the following: WMP Compliance; WMP initiatives, targets, progress, and challenges; safety metrics and performance; safety certification; and safety culture assessment recommendations status.
- Other topics:
  - Risk modeling improvements.
  - Results of Wildfire Awareness Survey and trends from past surveys.
  - Independent Evaluator 2022 Annual Report on WMP compliance.
  - Public Safety Power Shut-off (PSPS) Decision Process.
  - PSPS processes for local government, agencies, stakeholders, and customers (notifications and support).
  - Fast Trip/Fast Curve settings.
  - Preparations for fire season.
  - Implementation of fire potential index (FPI) model.
  - FireSight model output (asset risk and grid hardening prioritization).
  - 2023 Safety Culture Assessment Report.
  - Independent Evaluator 2023 Annual Report on WMP compliance (draft report).

# Safety & Operations Committee Recommendations & Outcomes



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

## Last 12 Months Recommendations Include:

- That the Board authorize an increase to the 2023 Capital Investment budget to support WMP grid hardening projects scheduled for 2023.
- That the Board authorize a proposed 2024 Capital Investment budget to support WMP grid hardening initiatives scheduled for 2024.
- That Management engage an expert consultant to examine use of Fast Trip settings in the sub-transmission and distribution system.
- That the Board authorize an increase to the 2024 and 2025 Capital Investment budgets to support WMP grid hardening projects scheduled for 2024 and 2025.
- That the Board authorize an increase to the 2024 Capital Investment budget to support a WMP grid hardening project scheduled for 2024.
- The Committee agreed with Management's decision to accept and implement the recommendations of the 2023 Safety Culture Assessment (SCA).
- The Committee agreed with Management's proposed plan of action to implement the 2023 SCA recommendations.
- That the Board authorize an increase to the 2025 Capital Investment budget to support WMP grid hardening projects scheduled for 2025.

## 12 Months Prior Outcomes Include:

- Capital budget authorizations have allowed Management to order long lead equipment and material and complete WMP grid hardening projects according to the targets set forth in BVES's approved WMP.
- Management hired an expert consultant to examine use of Fast Trip settings in the sub-transmission and distribution system; results of this project are expected in December 2024.
- Management is implementing the recommendations of the 2022 and 2023 SCA conducted by Energy Safety.

# Safety Performance

## As of August 16, 2024, BVES's Safety Record:

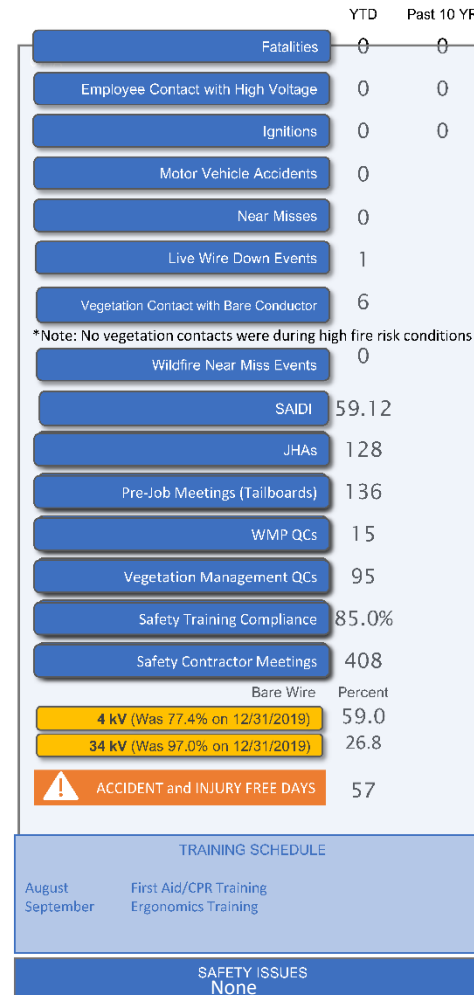
- Zero BVES caused wildfires ever.
- Zero ignitions in over 20 years.
- Zero public injuries or fatalities due to BVES facilities or operations in over 20 years.
- Zero employee fatalities in over 20 years.
- Zero employee contact with High Voltage in over 10 years.

**Be Vigilant about Emphasizing Safety in all that we do!**

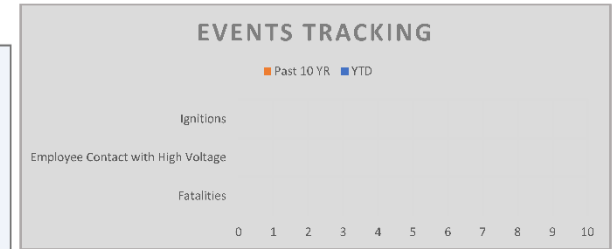


BVES has not had to invoke a PSPS ever; but does remain trained and ready.

### MONTHLY DASHBOARD



### July 2024



#### SAFETY MESSAGE: Working Near Open Water



Open water may pose a safety risk when working in areas such as docks and marinas

#### General Water Safety Practices

- Where drowning hazards exist, perform a pre-task assessment to: identify drowning hazards, identify requirements for PPE such as Personal Floatation Devices (PFDs), and review safe work practices/SOPs/emergency procedures.
- Wear slip-resistant footwear to prevent slips, trips, and falls into open water.
- Do not lean over guardrails or railings where open water is present.
- Always walk (don't run) when working near areas where there are unprotected edges or openings where an employee may fall into open water.



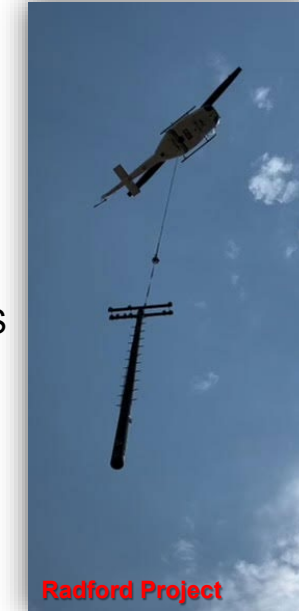
# WMP Implementation Progress



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

## Initiatives

- **Covered Conductors Project:** Replaced 19.1 circuit miles of 34.5 kV bare conductors with covered wire. Overall 34.5 kV system is 32.9% bare wire, 64.1% covered wire, and 3.0% underground. Replaced 38.9 circuit miles of 4 kV bare conductors with covered wire. Overall 4 kV system is 60.8% of bare wire, 16.6% covered wire, and 22.6% underground.
- **Radford Line Replacement Project:** Received USFS Permit in January 2024. Commenced construction in May 2024. 2 circuit miles of covered conductors have been installed (2.7 circuits for project completion) and 64 fire resistant poles installed (88 poles for completion). Expect to complete by end of October 2024.
- **Expulsion Fuse Replacement Project:** Replaced all expulsion fuses (a total of 3,114) with 2,578 current limiting fuses and 536 electronic fuses. There are no expulsion fuses in system. Project is completed.
- **Pole Loading & Assessment:** Assessed 4,113 poles and replaced or remediated 1,652 poles. Project is now combined with Covered Conductors Project due to synergy of the work.
- **Evacuation Route Hardening Project:** All primary evacuation routes have been hardened. BVES is now focused on secondary routes. To date installed 2,916 wire mesh wrap on wood poles and replaced 427 wood poles with 297 LWS poles, 128 fire resistant composite poles, and 2 ductile iron poles.
- **Tree Attachment Removal Project (removes 100 per year):** Overall removed 842 tree attachments since 2019. 365 tree attachments remain in the distribution system and are programmed for removal.
- **Advanced Inspection:** Established routine of conducting annual LiDAR, UAV Photography & Videography, UAV Thermography, 3rd Party Independent Patrols and satellite imagery of entire system. These are in addition to GO-165 Detailed & Patrol Inspections. Conducting 850 intrusive wood pole inspections per year.
- **FLISR:** Installed 10 IntelliRupter Switches on sub-transmission system loop to establish a Fault Localization Isolation and Service Restoration (FLISR) self-healing system. Project is completed.
- **Grid Automation Project:** Installed fiber optic network throughout service area (mimics sub-transmission system) and fully automated three substations. Project is completed.
- **Install Fault Indicators:** This project installs an additional 129 fault indicators (FIs) in the distribution system and connects them to SCADA. To date 134 FIs have been installed and 9 of the FIs have been connected to SCADA.



# WMP Implementation Progress



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

## Initiatives (continued)

- **Switch and Field Device Automation:** Connects and automates 28 34 kV and 20 4 kV switches to SCADA network over 4 years. To date 15 switches have been connected to SCADA.
- **Capacitor Bank Upgrade Project:** Replaces 24 capacitor banks with automated capacitor banks connected to SCADA network over 4 years. To date 12 capacitor banks have been installed and 7 capacitor banks connected to SCADA.
- **Substation Automation:** Connects and automates 9 substations to SCADA network over 3 years. To date 4 substations have been connected to SCADA under this project.
- **Fuse TripSaver Automation:** Connects and automates 160 Fuse TripSaver devices (electronic fuses) to SCADA network over 4 years. To date 21 Fuse TripSavers have been connected to SCADA.
- **Substation Upgrade Projects:** Completed technical and safety updates to the Pineknot Substation and the Palomino Substation. Working on upgrades to Maltby Substation and Lake Substation.
- **Risk Modeling Capability:** Developed full field effect wildfire probability and consequence maps for 2021 & 2050 (REAX Engineering). Implemented Technosylva's Wildfire Analyst Enterprise (WFA-E) in 2022, FireSight (formerly Wildfire Risk Reduction Model (WRRM)) in 2023 and Fire Potential Index (FPI) Model in 2024. In the process of implementing a utility risk model that evaluates ignition risk and PSPS risk (Direxyon).
- **Enhanced Vegetation Management:** Implemented increased radial clearances on all power lines and "blue-sky" requirement on sub-transmission lines. Since 2018, BVES has removed 830 hazard trees and trimmed 37,772 trees.
- **Weather Stations:** Installed 20 weather stations providing continuous complete and overlapping weather monitoring and weather data recording in a historian with outputs available to BVES staff, BVES's weather consultant, Technosylva's WFA-E models, and to open-source forecasting (NOAA). Project is completed.
- **ALERTWildfire Cameras:** Installed 15 Cameras in 7 locations in the ALERTWildfire High Definition Camera system providing complete and overlapping coverage of the entire BVES service area and surrounding boundary areas. Project is completed.



HD Photography & Videography



Fire Potential Index

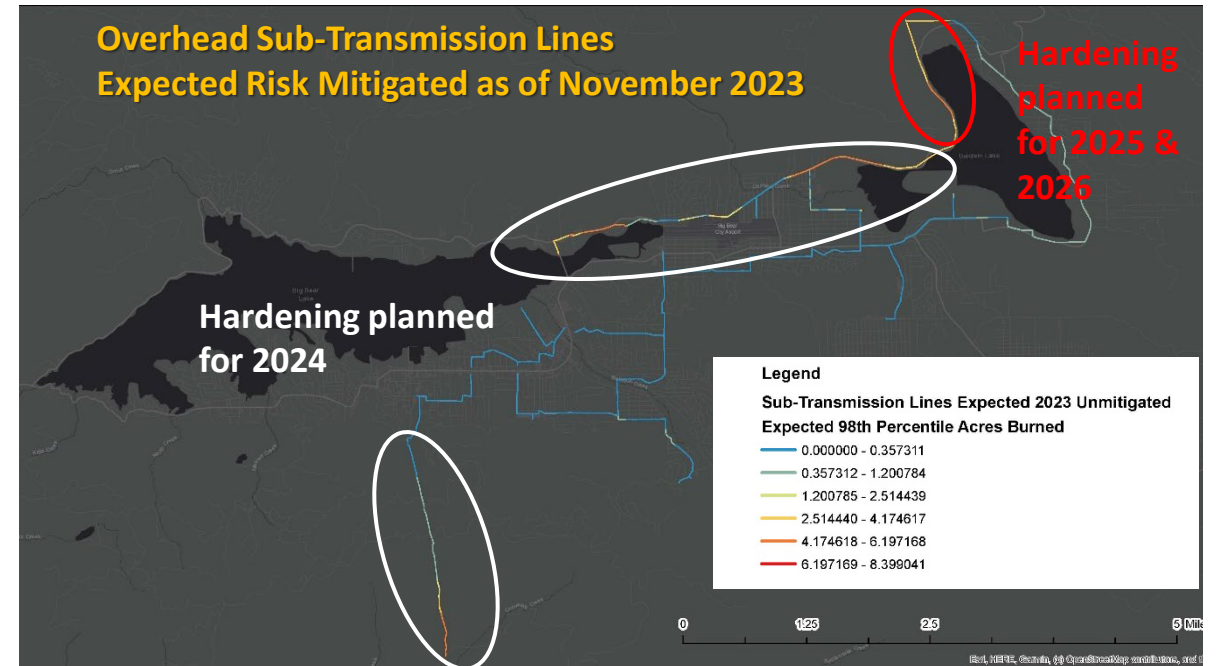
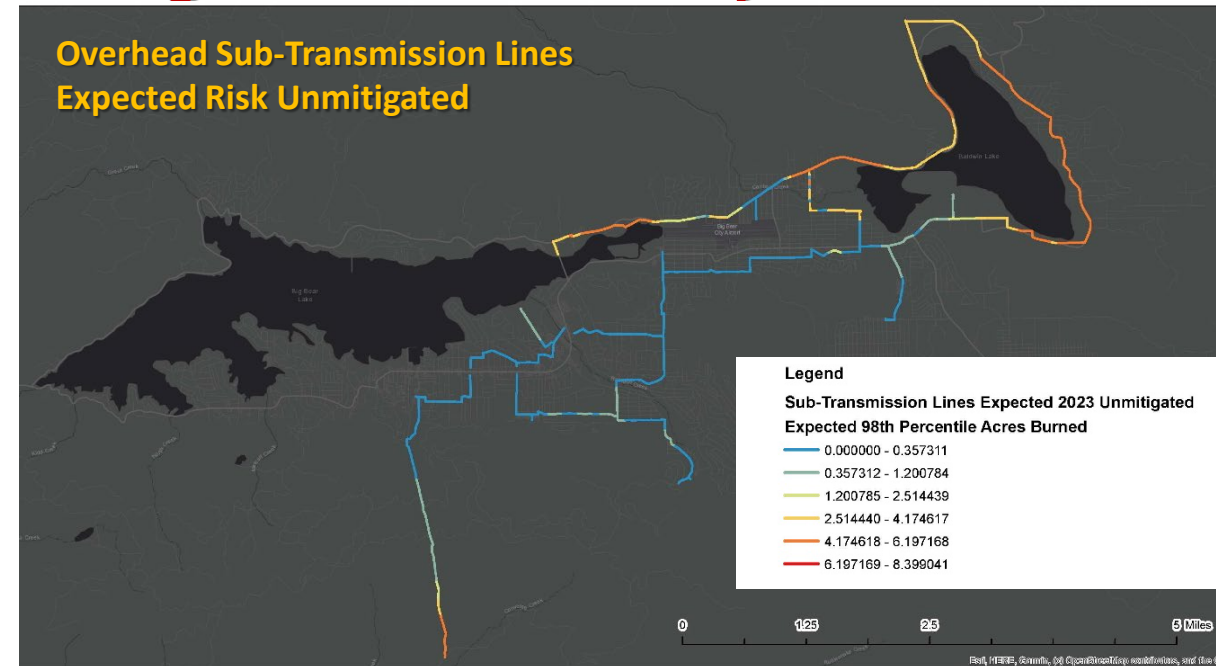


Weather Station

# WMP Implementation Progress

## Initiative prioritization and risk modeling

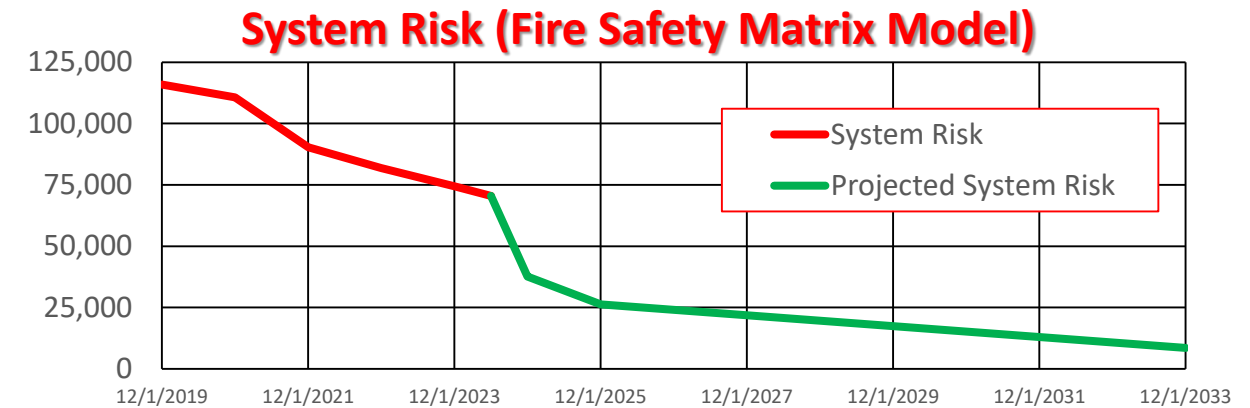
### FireSight\* Risk Model Analysis



\*FireSight was previously named Wildfire Risk Reduction Model (WRRM).

Vegetation density in right of ways has been significantly reduced (as measured by LiDAR):

- 2020: 25.4%
- 2022: 20.2%
- 2023: 15.4%

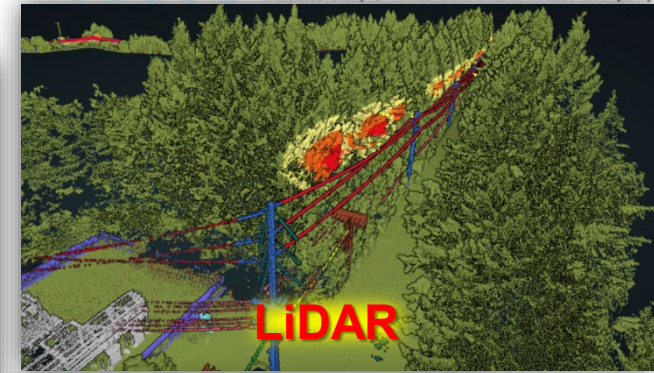




# WMP Implementation Progress

## Inspections/quality controls planned 2023-2025 WMP

- Patrol Inspections (GO-165)
- Detailed Inspections (GO-165)
- Intrusive Pole Inspections (GO-165)
- UAV Thermography
- UAV HD Photography/Videography
- LiDAR Inspection
- Satellite Imagery
- 3rd Party Ground Patrol
- Substation inspections (GO-174)
- Asset management, vegetation management, and inspection enterprise system(s)
- Asset quality assurance/quality control
- Vegetation management quality assurance/quality control





# 2022 SCA Recommendations



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

## Recommendation

Refine strategic improvement plan to address gaps in contractor safety culture. Improve contractor relationships & empower contractors to address problems. Builds upon a 2021 SCA recommendation.

Implement plan to address survey result indicating Design & Construction employees have a less positive experience of safety culture in wildfire mitigation work context than other employees.

Strengthen safety-enabling systems by improving protocols for responding to near misses & hazards. Build upon the “Continuous Improvement Program” to improve employee understanding of the importance of submitting near-miss reports.

Implement use of specific leading indicators to improve safety & 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.

## Accepted & Implemented



# 2023 SCA



## Recommendation: Continue to Refine Contractor Strategic Improvement Plan.

SCA TASKS	Specific Actions To Achieve Tasks	Scheduled	Completed
Meet with contractor management to discuss SCA results and solicit their cooperation to improve their safety culture.	Review Previous SCA Results with contractor management.	Week of June 13, 2024	Yes
Conduct listening sessions to better understand and respond to contractor perceptions.	Schedule listening sessions with contractors and President and Field Operations Supervisor.	Week of September 16, 2024	Scheduled
Increase presence of leadership at job sites to witness challenges encountered by contractors.	Increase Supervisory JHAs July 1-August 31, 2024. Each Manager and Supervisor must monitor contractor work 2 times per month.	July-August 2024	In progress
Increase training to improve the ability of frontline supervisors to communicate effectively with contractors and ultimately improve the safety culture among contractors.	Schedule training with Staff who interact with contractors.	Week of July 22, 2024	Yes
Conduct training to make sure contractors understand how their work is an integral part of the BVES Wildfire Mitigation Plan and impacts public safety.	Schedule training with contractors and President.	Week of September 16, 2024	Scheduled
Add "Contractor Engagement Strategy" as a BVES Safety Culture Objective in the 3-year Safety Culture Plan (fully achieve objective by 2026).	Develop "write-up" for this objective and add to the 3-year plan. Discuss this at the June 2024 Management-Employee Safety Committee Meeting.	Week of September 16, 2024	Draft in review

# 2023 SCA



## **Recommendation: Continue to Address Safety Culture Opportunities for the Design and Construction Business Unit.**

SCA TASKS	Specific Actions To Achieve Tasks	Scheduled	Completed
Conduct listening sessions to better understand and respond to Engineering & Planning perceptions.	Utility Engineer & Wildfire Mitigation Supervisor conduct listening session with Engineering & Planning Group. President sit-in.	Week of July 22, 2024	Yes
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.	Conduct one-on-one meetings between BVES President and Engineering & Planning employees.	July-August 2024	In progress
<p>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:</p> <ul style="list-style-type: none"> <li>*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.</li> <li>*No job should be performed in a manner below the Company's high standards that might in any way compromise worker or public safety.</li> <li>*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.</li> <li>*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.</li> <li>*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.</li> </ul>	Conduct training with Engineering and Planning employees.	Week of September 16, 2024	Scheduled
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.	Conduct training with Engineering and Planning employees.	Week of September 16, 2024	Scheduled

# 2023 SCA Update



## Recommendation: Strengthen Safety-Enabling Systems.

SCA TASKS	Specific Actions To Achieve Tasks	Scheduled	Completed
Develop and implement improved protocols for responding to safety events (near misses and hazards), including their reporting and management.	Add Near Miss Reports to Weekly Management Meeting. Add Near Miss Reports to Safety Committee Meeting Agendas.	Week of June 17, 2024	Completed
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.	Reinforce objective implementation actions with staff.	Week of September 16, 2024	On-going
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.).	Conduct Staff Training - Use BSI.	July-August 2024	Partially completed
Develop Behavioral Based Training Form to be used for new 2023 training.	Draft form.	Week of September 16, 2024	Draft completed
Set up training class to introduce Behavioral Based Training for the operations crews.	Conduct Staff Training - Use BSI.	Week of September 16, 2024	Scheduled
Discuss SCA contractor scores with other IOUs and how they manage contractor safety.	Reach out to large and small IOUs.	Week of September 23, 2024	In progress



# Notable Lessons Learned

- Value of risk modeling
  - Climate change impact evaluation
  - Grid hardening and other initiative prioritization
  - Integral to daily battle rhythm
- High impact initiatives:
  - Minimizing bare conductors
  - Comprehensive inspections
  - Vegetation clearances
- Joint utility information exchanges
  - Expands the pool of thought and ideas
  - Sharing of experiences





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



# Questions

**APPENDIX G**

**BEAR VALLEY'S QUARTERLY NOTIFICATION LETTERS**

**SINCE LAST SAFETY CERTIFICATION REQUEST**



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

November 1, 2023

Via E-Mail

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

**SUBJECT:** *Q3 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](mailto:edtariffunit@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."

This Quarterly Notification Letter ("QNL") reports BVES's 2023 third quarter ("Q3") WMP activities, progress on implementing the recommendations of the most recent safety culture assessment, and Safety Committee recommendations and meetings.



## Q3 2023 Notification Letter

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

To support sustained implementation and improvement of the WMP, BVES continues to track progress through metrics on applicable initiatives in 8 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 Q3 2023 prepared in accordance with Energy Safety Data Guidelines (Version 3.0) of December 14, 2022.

In Attachment A, BVES provides an initiative summary of progress for individual mitigation measures during Q3 2023.

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

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

As of the end of Q3 2023, some of the more significant achievements were:

- Exceeded the 2023 Q3 target to harden 100 additional poles along the main evacuation routes to the Big Bear Lake area by installing fire resistant wire mesh on 113 poles in Q3. This completes and exceeds BVES's effort to have 500 poles hardened by 2023 with a YTD of 909 poles hardened.
- Replaced 309 poles by the end of Q3. This exceeds the target of 140 by Q3 and exceeds the annual target of 200 for 2023.
- Replaced 8.09 circuit miles of 4 KV distribution bare wire with covered conductor exceeding the planned 6.4 circuit mile for Q3. YTD BVES has replaced 19.71 circuit miles, exceeding its annual target of 12.9 for 2023.
- Conducted 39 substation inspections, exceeding its target for Q3.
- Installed 35 Fault Indicators (FIs) in Q1, exceeding the target of 5 and meeting the annual goal in Q1. No additional FIs were installed in Q3 due to the annual target being met. BVES front loaded this effort to reduce risk prior to fire season.
- Connected 2 Substations and 6 Field Switches to SCADA as part of the System Automation initiatives. BVES is currently on track to meet its 2023 target for both programs.
- A total of 31 attachments were remediated as part of The Tree Attachment Removal Program in Q3. YTD BVES has remediated 114 attachments, exceeding its annual target of 100 for 2023.
- Removed or remediated 31 trees that had fall-in risk bringing the YTD total to 102 exceeding the target of 66 by the end of Q3, and putting the program ahead of its goal for Q4 as well.
- Community engagement on PSPS and WMP was at 606 engagements of various types by the end of Q3, which exceeds the end of Q3 annual target of 270 engagements.
- By the end of Q3 2023, BVES completed 89 of a targeted 88 circuit miles of detailed inspections of distribution electric lines and equipment along with inspecting vegetation around distribution electric lines. In addition, 158 of a targeted 158 miles of patrol inspections were completed.

### Q3 2023 Notification Letter

- By the end of Q3 2023, BVES completed its annual LiDAR survey (205.2 circuit miles targeted), annual UAV thermography inspection (205.2 circuit miles targeted) and annual UAV photography/videography inspection (205.2 circuit miles targeted) of the overhead distribution and sub-transmission system. The 3<sup>rd</sup> party ground patrol the overhead distribution and sub-transmission system is delayed until the beginning of Q4 2023 due to scheduling issues.

Bear Valley did not meet or exceed 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, is delayed at least until Spring 2024 (previously BVES planned to start construction no later than June 2022). The delay is due to the United States Forest Service (“USFS”) not approving BVES’s permit to start and complete construction before the winter weather season in 2023. BVES is working closely with the USFS and has made significant progress in satisfying USFS permitting requirements. BVES believes it is on track to obtain the permit according to the following updated timeline of major permitting milestones:

- Submit revised permit application to USFS for cultural survey- **Step Completed**
- USFS responds with 6 additional questions, Archaeologist will answer and resubmit – **Step Completed**
- Receive approval from USFS to conduct cultural survey-5 weeks – **Step Completed**
- Archaeologist will conduct cultural survey, write up report for NEPA & CEQA then sends to USFS – **Step Completed**
- USFS accepts cultural report and submits to San Manuel Indian tribes for review – **Submitted 7/24/23**
- San Manuel and Morongo complete the tribal consultation and return the cultural report to USFS – **Step Completed**
- USFS submits the cultural report to SHPO for review – **Submitted 9/19/23**
- USFS finalizes federal CE – Anticipated November 2023
- SHPO completes review and accepts cultural report – Anticipated November 2023
- USFS signs CE, NEPA process complete – Anticipated November 2023
- BVES files notice of detention with San Bernardino Co. clerk recorder – Anticipated November 2023
- Once State categorical exemption is filed with county clerk recorder there is a 30 day period for legal challenge-if no challenges-CEQA CE is final – Anticipated week of 11/27/23

Based on this timeline, BVES anticipates commencing the project in Spring 2024 depending on snowpack and complete the project prior to fire season 2024.

## **Q3 2023 Notification Letter**

In the interim, BVES will continue to de-energize the Radford Line when load requirements do not require its operation, generally from the end of March through November of each year. Prior to energizing the Radford Line, BVES will patrol the line. Additionally, when the line is energized, the recloser for that circuit will be placed in manual (no automatic reclosing).

### **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:**

- In collaboration with BVES's contractors, Energy Safety finds BVES should review and refine its current strategic improvement plan to address gaps in overall safety culture for contractors. This plan should propose ways to improve contractor relationships with BVES supervisors and contractor empowerment to address problems in a timely fashion. This recommendation builds upon a 2021 SCA recommendation.
- 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.
  - Is implementing a formal contractor safety program that includes improvements to onboard, train, and otherwise engage contractors in its strategic plan.
  - Is conducting briefings to contractors' workers on the importance of their work in increasing public safety and mitigating wildfire.
  - Is engaging BVES supervisors to listen to, support, and empower contractors.

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

- 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:
  - Is conducting one-on-one meetings between the BVES President and Design & Construction employees to further gauge their safety culture views and refine plan

### Q3 2023 Notification Letter

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.

- Is ensuring that the concerns indicated on the surveys by Design & Construction employees are addressed by senior management & supervisors.
- Is reinforcing 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 and/or public safety;
  - Any employee is fully empowered to stop work and has the duty to do so, if they believe public and/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 be cause to compromise the Company's high standards and put worker and/or public safety at risk.

#### **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 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.
  - Is documenting and tracking the number of safety event reports submitted by employees on a monthly basis as well as the quality of the reports.
  - Is having management 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.

## Q3 2023 Notification Letter

### **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:
  - Is tracking 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.

As indicated above, BVES agrees with implementing the 2022 SCA recommendations and developed and initiated an action plan to implement them.

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 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

### **Q3 2023 Notification Letter**

that BVES management could order long-lead equipment and material to support the initiatives. This recommendation was also approved by the Board of Directors.

#### **Progress on Previous Recommendations**

On February 23, 2023, the Safety Committee reviewed and discussed BVES management's proposed 2023-2025 WMP initiatives and targets, agreed with management's proposals, and recommended BVES adopt the initiatives and targets. This recommendation was fully implemented by BVES management.

On June 8, 2023, the Safety Committee reviewed the recommendations of the 2022 Safety Culture Assessment (SCA) and BVES management's proposed course of action to implement the recommendations. The Safety Committee recommended that BVES implement the recommendations and that some of the proposed actions be accelerated. This recommendation was fully implemented by BVES management.

#### **Summary of Meetings**

On August 17, 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 Q2, 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 Wildfire Awareness Survey and trends from past surveys. He then updated the Committee on revisions to Bear Valley's Public Safety Power Shut-offs Decision Process. 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 then provided the Committee an overview on device Fast Trip Settings used by BVES and what other California utilities are doing in this area. The Committee members expressed some possible concerns in using Fast Trip Settings and recommended that management engage an expert consultant to explore further the applicability of Fast Trip Settings in the BVES system.

Mr. Marconi discussed with the Committee additional 2023 capital budget authorization and 2024 capital budget authorization requests, which include 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,

**Q3 2023 Notification Letter**

/s/ Jeff Linam

Jeff Linam  
Manager, Regulatory Affairs  
Golden State Water Company  
630 East Foothill Blvd.  
San Dimas, California 91773  
Email: [RegulatoryAffairs@bvesinc.com](mailto:RegulatoryAffairs@bvesinc.com)

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.**

**Q3 2023**



# WMP Activity Summary

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

### Emergency Preparedness

**Emergency Preparedness Plan**  
*Emergency Preparedness Plan*  
EP\_1

**External Collaboration and Coordination**  
*External Collaboration and Coordination*  
EP\_2

**Public Emergency Communication Strategy**  
*Public Emergency Communication Strategy*  
EP\_3

**Preparedness and Planning for Service Restoration**  
*Preparedness and Planning for Service Restoration*  
EP\_4

**Customer Support in Wildfire and PSPS Emergencies**  
*Customer Support in Wildfire and PSPS Emergencies*  
EP\_5

### Wildfire Mitigation Strategy Development

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

### Risk Methodology & Assessment

**Risk Methodology and Assessment**  
*Technosylva Contractor*  
RMA\_1

### Overview of the Service Territory

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

### Community Outreach & Engagement

**Public Outreach and Education Awareness Program**  
*Public outreach and education awareness program*  
COE\_1

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

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

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

### Situational Awareness & Forecasting

**Environmental Monitoring Systems**  
*Advanced weather monitoring and weather stations*  
SAF\_1

**Grid Monitoring Systems**  
*Install Fault Indicators*  
SAF\_2

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

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

**Weather Forecasting**  
*Weather Forecasting*  
SAF\_5

**Fire Potential Index**  
*Fire Potential Index*  
SAF\_6

### Vegetation Management & Inspections

**Vegetation Inspections**  
*Detailed Inspections*  
VM\_1

**Vegetation Inspection**  
*Patrol Inspections*  
VM\_2

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

**Vegetation Inspection**  
*LiDAR Inspection*  
VM\_4

**Vegetation Inspection**  
*3rd Party Ground Patrol*  
VM\_5

**Vegetation Inspection**  
*Substation inspections*  
VM\_6

**Pole Clearing**  
*Pole Clearing*  
VM\_7

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

**Clearance**  
*Clearance*  
VM\_9

**Fall-In Mitigation**  
*Fall-In Mitigation*  
VM\_10

**Substation Defensible Space**  
*Substation Defensible Space*  
VM\_11

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

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

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

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

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

**Open Work Orders**  
*Open Work Orders*  
VM\_17

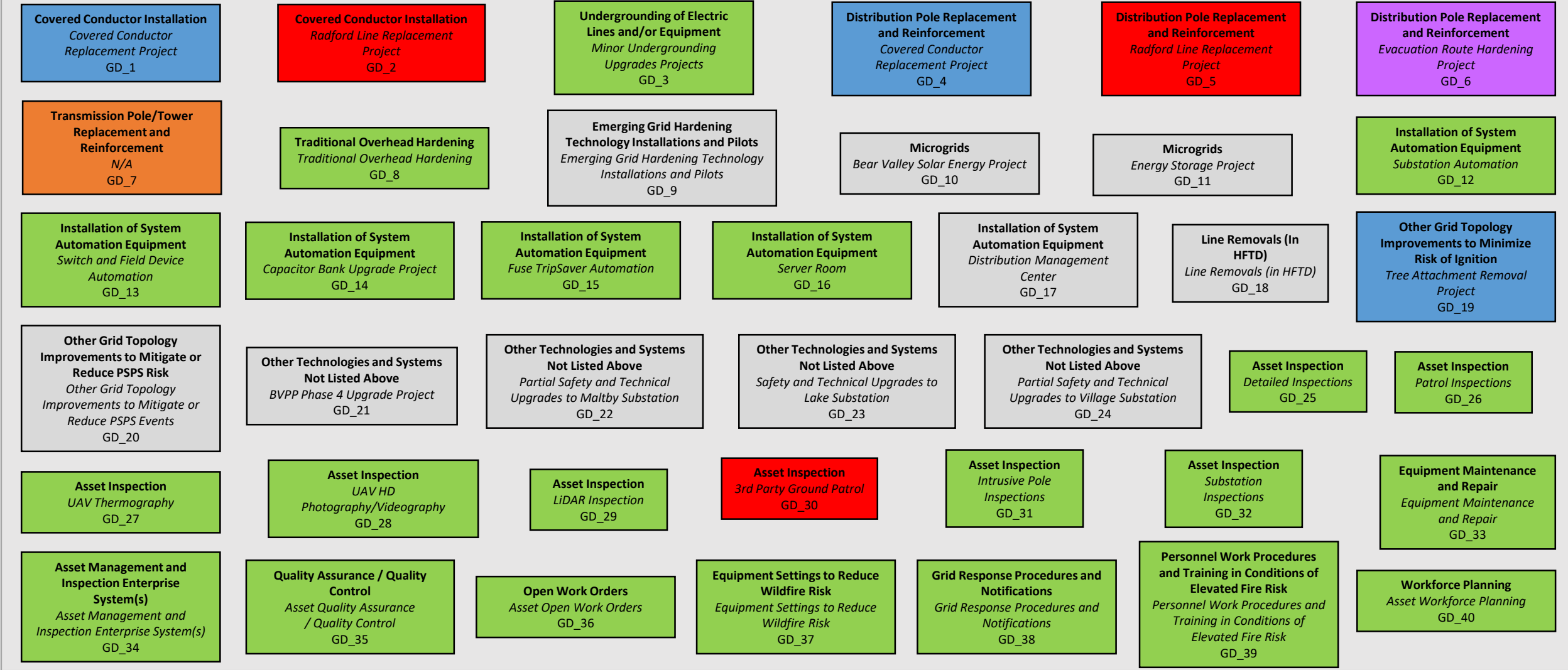
**Workforce Planning**  
*Vegetation Management Workforce Planning*  
VM\_18

(\* 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><b>Established / Ongoing</b></p>	<p>External Collaboration and Coordination EP_2</p> <p><b>Established / Ongoing</b></p>	<p>Public Emergency Communication Strategy EP_3</p> <p><b>Established / Ongoing</b></p>	<p>Preparedness and Planning for Service Restoration EP_4</p> <p><b>Established / Ongoing</b></p>	<p>Customer Support in Wildfire and PSPS Emergencies EP_5</p> <p><b>Established / Ongoing</b></p>	<p><b>Emergency Preparedness and Response Program and PSPS Plan:</b> <b>Volume vs 2023 Goal:</b> BVES did not record an emergency in Q3 of 2023. This means that the use of the Emergency Preparedness &amp; 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><b>Exceeded Target</b></p>	<p><b>Public Outreach and Education Awareness Program:</b> <b>Volume vs Q3 2023 Goal:</b> BVES had planned to conduct at a minimum of 270 outreach activities by the close of Q3. BVES recorded 606 outreach activities, 224% of target for Q3. <b>Key Actions:</b> Grizzly Newspaper advertisements are posted during the week (M-F) for either WMP or PSPS and BVES will have 1 advertisement broadcasted each month.</p>	<p>Collaboration on Local Wildfire Mitigation Planning COE_3</p> <p><b>On Track</b></p>	<p><b>Collaboration on Local Wildfire Mitigation Planning:</b> <b>Volume vs 2023 Goal:</b> BVES plans to engage with Local Support (Fire Department &amp; Forest Service) on a regular basis to discuss project statuses as well as general needs and gaps for the upcoming fire season <b>Key Actions:</b> 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><b>On Track</b></p>	<p><b>Engagement with Access and Function Needs (AFN) Populations:</b> <b>Volume vs 2023 Goal:</b> BVES has an established program in place to identify AFN customers and provide assistance during PSPS. <b>Key Actions:</b> 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 Q3.</p>	<p>Best Practice Sharing with Other Utilities COE_4</p> <p><b>On Track</b></p>	<p><b>Best Practice Sharing with Other Utilities:</b> <b>Volume vs 2023 Goal:</b> 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. <b>Key Actions:</b> BVES has begun to review available working groups and conferences. BVES was able to attend 24 working groups in Q1, 29 in Q2 and an additional 37 in Q3.</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 Q3.

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

**Fault Indicator Instillation:**  
**Volume vs Q3 2023 Goal:** BVES planned to complete a total of 20 fault indicator installations by the end of Q3. BVES was able to complete 35 installations in Q1 with no additional installs in Q2 or Q3.  
**Key Actions:** BVES was able to complete 35 fault indicator installations. BVES is currently ahead of plan for 2023.

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

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

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

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

Weather Forecasting  
SAF\_5  
**On Track**

**Weather Forecasting:**  
**Volume vs 2023 Goal:** BVES employs a weather consultant and uses Technosylva's WFA-E application as its modeling software for wildfire spread potential based off current weather conditions.  
**Key Actions:** This is an ongoing effort that continued throughout Q3.

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 Q3 2023 Goal:** BVES planned to complete a total of 88 circuit miles of inspection by the end of Q2. BVES was able to complete 89 circuit miles by Q3.

**Key Actions:** BVES was able to complete 89 circuit miles of inspection. BVES is currently on track for 2023.

Vegetation Inspection  
VM\_2  
**Patrol Inspection**  
**On Track**

### **Patrol Inspection:**

**Volume vs Q3 2023 Goal:** BVES planned to complete a total of 158 circuit miles of inspection by the end of Q3. BVES was able to complete 158 circuit miles by Q3.

**Key Actions:** BVES was able to complete 158 circuit miles of inspection. BVES is currently on track for 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.

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.

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

### **3<sup>rd</sup> 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 0 circuit miles of inspection in Q3 due to scheduling issues. BVES will complete the 205.2 miles of inspection at the beginning of Q4.

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

### **Substation Inspections:**

**Volume vs Q3 2023 Goal:** BVES planned to complete 108 substation inspections by the end of Q3. BVES was able to complete 117 substation inspections through Q3.

**Key Actions:** BVES was able to complete 117 substation inspections through Q3. BVES is currently on track for its target in 2023.

Pole Clearing  
VM\_7  
**On Track**

### **Pole Clearing:**

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

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

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

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

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

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

Clearance  
VM\_9  
**On Track**

### **Vegetation Clearance:**

**Volume vs Q3 2023 Goal:** BVES planned to complete 54 circuit miles of clearing by Q3. BVES was able to complete 56.92 circuit miles by close of Q3.

**Key Actions:** BVES was able to complete 56.92 circuit miles by the close of Q3 putting BVES back on track to meet its 2023 target.

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

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

**Volume vs Q3 2023 Goal:** BVES planned to complete 66 tree remediations or removals to prevent fall-in by Q3. BVES was able to complete 102 tree remediations or removals by Q3.

**Key Actions:** BVES was able to complete 102 remediations or removals. BVES is currently ahead of plan for its target in 2023.



# WMP Activities Status vs. WMP Activity Goals

## Vegetation Management & Inspection

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

### **Substation Defensible Space:**

**Volume vs Q3 2023 Goal:** BVES's contracted vegetation resource conducts regular clearing to verify compliance with the GO requirements. BVES's Substation Inspection program verifies compliance.

**Key Actions:** BVES was able to complete 39 substation inspections and 4 abatements for Q3 of 2023. BVES is currently on track to complete 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 take action as inspection findings and VM crews identify high-risk species throughout 2023.

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

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

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

**Key Actions:** BVES will take action 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 Q3 2023 Goal:** BVES planned to complete 4 vegetation management audits by the end of Q3. BVES was able to complete the 4 audits by the close of Q3.

**Key Actions:** BVES completed 1 audit in Q3 with a YTD total of 4 vegetation management audits in 2023. BVES is currently on track to complete its audits per the schedule for 2023.

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

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

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

**Key Actions:** BVES did not have any work orders that exceeded the GO 95 timeframe in Q3.

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 Q3 2023 Goal:** BVES planned to complete a total of 8.9 circuit miles by the end of Q3. BVES was able to complete 19.71 circuit miles by Q3.

**Key Actions:** BVES was able to complete 8.09 circuit miles of covered conductor installation in Q3. BVES is currently ahead of projection for 2023 with 19.71 miles completed.

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

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

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

**Key Actions:** No replacements were conducted in Q3. BVES continues to discuss status with the Forest Service.

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

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

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

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

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

### **Fuse TripSaver Automation:**

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

**Key Actions:** BVES installed 6 Fuse TripSavers automation and connections were installed in Q3.

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

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

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

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

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

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

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

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

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

### **Substation Automation:**

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

**Key Actions:** BVES connected and automated 2 substations to SCADA in Q3.

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

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

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

**Key Actions:** BVES connected and automated 6 Field Switches to SCADA in Q3.



# WMP Activities Status vs. WMP Activity Goals

## Grid Design, Operations & Maintenance

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

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

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

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

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

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

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

**Covered Conductor Replacement Program:**  
**Volume vs Q3 2023 Goal:** BVES planned to complete 50 tree attachment removals in Q3. BVES was able to complete 114 tree attachments removals by the close of Q3. BVES plans to remove 100 tree attachment removals in 2023.  
**Key Actions:** BVES was able to complete 31 tree attachment removals in Q3 for a YTD total of 114 removals. BVES is 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 action will be taken on this program in 2023. BVES will perform project planning in 2023.

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

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

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

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

# WMP Activities Status vs. WMP Activity Goals

## Grid Design, Operations & Maintenance

Asset Inspection  
GD\_25  
**Detailed Inspection  
On Track**

### **Detailed Inspection:**

**Volume vs Q3 2023 Goal:** BVES planned to complete a total of 88 circuit miles of inspection by the end of Q3. BVES was able to complete 89 circuit miles by the end of Q3.

**Key Actions:** BVES was able to complete a YTD total of 89 circuit miles of inspection by end of Q3.

Asset Inspection  
GD\_26  
**Patrol Inspection  
On Track**

### **Patrol Inspection:**

**Volume vs Q3 2023 Goal:** BVES planned to complete a total of 158 circuit miles of inspection by the end of Q3. BVES was able to complete 158 circuit miles by the end of Q3.

**Key Actions:** BVES was able to complete 49 circuit miles of inspection with a YTD total of 158 circuit miles of inspection.

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 was able to complete 205.2 circuit miles of inspection in Q3.

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

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

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

**Key Actions:** BVES was able to complete 205.2 circuit miles of inspection in Q3.

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

### **LiDAR Inspection:**

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

**Key Actions:** BVES was able to complete 205.2 circuit miles of inspection in Q3.

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 Q3.

**Key Actions:** No undergrounding projects were proposed or initiated in Q3.

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

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

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

**Key Actions:** BVES completed 0 circuit miles of inspection in Q3 due to scheduling issues. BVES will complete the 205.2 miles of inspection at the beginning of Q4.

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

### **Intrusive Pole Inspection:**

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

**Key Actions:** BVES was able to complete 850 intrusive inspections by Q3.

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

### **Substation Inspections:**

**Volume vs Q3 2023 Goal:** BVES planned to complete 36 substation inspections in Q3. BVES was able to complete 39 substation inspections in Q3.

**Key Actions:** BVES was able to complete 39 substation inspections with a YTD total of 117 substation inspections. BVES is currently on track for its target in 2023.

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

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

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

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

# WMP Activities Status vs. WMP Activity Goals

## Grid Design, Operations & Maintenance

Asset Management and Inspection Enterprise System(s)  
GD\_34  
Distribution Management Center

**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.

Quality Assurance / Quality Control  
GD\_35  
Asset Quality Assurance / Quality Control  
On Track

**Asset Quality Assurance / Quality Control:**  
**Volume vs Q3 2023 Goal:** BVES planned to complete a total of 15 asset QCs on WMP work by the end of Q3. BVES was able to complete 15 QCs by the end of Q3.  
**Key Actions:** BVES was able to complete 5 asset QCs in Q3 with a YTD total of 15 QCs in 2023. BVES is currently on track for 2023.

Open Work Orders  
GD\_36  
Asset Open Work Orders  
On Track

**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 Q3.

Equipment Settings to Reduce Wildfire Risk  
GD\_37  
On Track

**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 Q3.

Grid Response Procedures and Notifications  
GD\_38  
On Track

**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 began to review its procedure in Q3.

Personnel Work Procedures and Training in Conditions of Elevated Fire Risk  
GD\_39  
On Track

**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 began to review its procedure in Q3.

Distribution Pole Replacement and Reinforcement  
GD\_4  
Distribution Pole Replacement and Reinforcement  
Ahead of Plan

**Distribution Pole Replacement and Reinforcement:**  
**Volume vs 2023 Goal:** BVES planned to complete a total of 60 pole replacements in Q3. BVES was able to complete 77 pole replacements in Q3. BVES annual target is 200 pole replacements and reinforcements in 2023.  
**Key Actions:** BVES was able to complete 77 pole replacements in Q3 with a YTD total of 309 pole replacements.

Workforce Planning  
GD\_40  
Asset Workforce Planning  
On Track

**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.

Distribution Pole Replacement and Reinforcement  
GD\_5  
Radford Line Replacement Project  
Off Track

**Distribution Pole Replacement and Reinforcement (Radford Line Replacement Project):**  
**Volume vs 2023 Goal:** BVES planned to replace 30 poles in Q3. The program target for Radford Line Replacement Project pole replacement is 70 by the end of 2023  
**Key Actions:** BVES scheduled 30 pole replacements in Q3. BVES replaced zero poles in Q3. The pole replacement schedule for Radford is contingent on the US Forest Service permitting process.

# 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 100 poles hardened with Wire Mesh in Q3. BVES was able to complete 113 poles hardened with Wire Mesh Q3.

**Key Actions:** BVES was able to complete 113 poles hardened with Wire Mesh in Q3 with 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 Q3.

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.



Bear Valley Electric Service, Inc.  
P.O. Box 9028  
San Dimas, CA 91773-9028  
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](mailto:edtariffunit@cpuc.ca.gov), Safety Policy Division to [SafetyPolicyDivision@cpuc.ca.gov](mailto:SafetyPolicyDivision@cpuc.ca.gov), and Program and Project Supervisor, Eric Wu via email to [eric.wu@cpuc.ca.gov](mailto: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."

## **Q4 2023 Notification Letter**

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



## **Q4 2023 Notification Letter**

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

## Q4 2023 Notification Letter

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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Golden State Water Company  
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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**  
*Emergency Preparedness Plan*  
EP\_1

**External Collaboration and Coordination**  
*External Collaboration and Coordination*  
EP\_2

**Public Emergency Communication Strategy**  
*Public Emergency Communication Strategy*  
EP\_3

**Preparedness and Planning for Service Restoration**  
*Preparedness and Planning for Service Restoration*  
EP\_4

**Customer Support in Wildfire and PSPS Emergencies**  
*Customer Support in Wildfire and PSPS Emergencies*  
EP\_5

### Wildfire Mitigation Strategy Development

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

### Risk Methodology & Assessment

**Risk Methodology and Assessment**  
*Technosylva Contractor*  
RMA\_1

### Overview of the Service Territory

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

### Community Outreach & Engagement

**Public Outreach and Education Awareness Program**  
*Public outreach and education awareness program*  
COE\_1

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

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

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

### Situational Awareness & Forecasting

**Environmental Monitoring Systems**  
*Advanced weather monitoring and weather stations*  
SAF\_1

**Grid Monitoring Systems**  
*Install Fault Indicators*  
SAF\_2

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

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

**Weather Forecasting**  
*Weather Forecasting*  
SAF\_5

**Fire Potential Index**  
*Fire Potential Index*  
SAF\_6

### Vegetation Management & Inspections

**Vegetation Inspections**  
*Detailed Inspections*  
VM\_1

**Vegetation Inspection**  
*Patrol Inspections*  
VM\_2

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

**Vegetation Inspection**  
*LiDAR Inspection*  
VM\_4

**Vegetation Inspection**  
*3rd Party Ground Patrol*  
VM\_5

**Vegetation Inspection**  
*Substation inspections*  
VM\_6

**Pole Clearing**  
*Pole Clearing*  
VM\_7

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

**Clearance**  
*Clearance*  
VM\_9

**Fall-In Mitigation**  
*Fall-In Mitigation*  
VM\_10

**Substation Defensible Space**  
*Substation Defensible Space*  
VM\_11

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

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

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

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

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

**Open Work Orders**  
*Open Work Orders*  
VM\_17

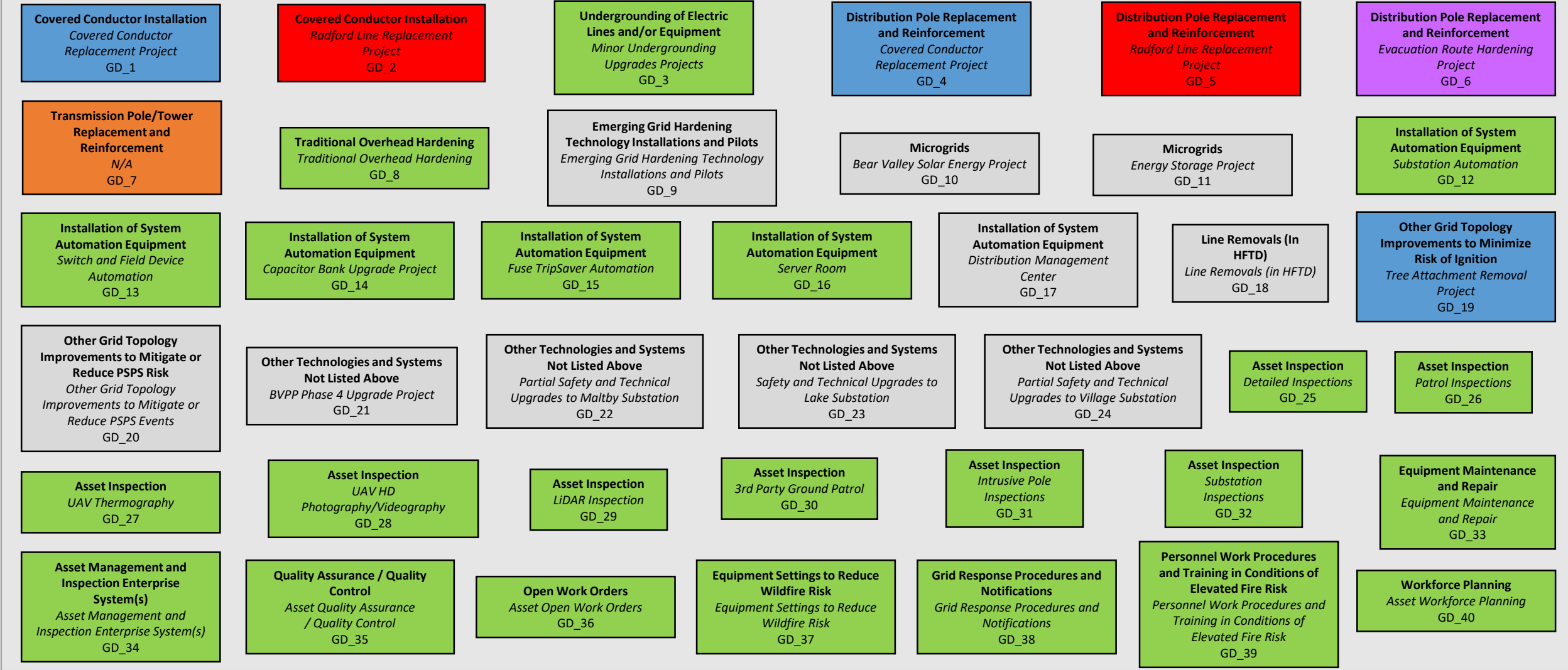
**Workforce Planning**  
*Vegetation Management Workforce Planning*  
VM\_18

(\* 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><b>Established / Ongoing</b></p>	<p>External Collaboration and Coordination EP_2</p> <p><b>Established / Ongoing</b></p>	<p>Public Emergency Communication Strategy EP_3</p> <p><b>Established / Ongoing</b></p>	<p>Preparedness and Planning for Service Restoration EP_4</p> <p><b>Established / Ongoing</b></p>	<p>Customer Support in Wildfire and PSPS Emergencies EP_5</p> <p><b>Established / Ongoing</b></p>	<p><b>Emergency Preparedness and Response Program and PSPS Plan:</b> <b>Volume vs 2023 Goal:</b> BVES did not record an emergency in Q4 of 2023. This means that the use of the Emergency Preparedness &amp; 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><b>Exceeded Target</b></p>	<p><b>Public Outreach and Education Awareness Program:</b> <b>Volume vs Q4 2023 Goal:</b> 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. <b>Key Actions:</b> Grizzly Newspaper advertisements are posted during the week (M-F) for either WMP or PSPS and BVES will have 1 advertisement broadcasted each month.</p>	<p>Collaboration on Local Wildfire Mitigation Planning COE_3</p> <p><b>On Track</b></p>	<p><b>Collaboration on Local Wildfire Mitigation Planning:</b> <b>Volume vs 2023 Goal:</b> BVES plans to engage with Local Support (Fire Department &amp; Forest Service) on a regular basis to discuss project statuses as well as general needs and gaps for the upcoming fire season <b>Key Actions:</b> 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><b>On Track</b></p>	<p><b>Engagement with Access and Function Needs (AFN) Populations:</b> <b>Volume vs 2023 Goal:</b> BVES has an established program in place to identify AFN customers and provide assistance during PSPS. <b>Key Actions:</b> 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><b>On Track</b></p>	<p><b>Best Practice Sharing with Other Utilities:</b> <b>Volume vs 2023 Goal:</b> 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. <b>Key Actions:</b> 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  
**3<sup>rd</sup> Party Ground Patrol**  
**On Track**

### **3<sup>rd</sup> 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 3<sup>rd</sup> party contractor. The contractor is responsible for meeting the waste removal requirements.

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

Clearance  
VM\_9  
**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

Asset Management and Inspection Enterprise System(s)  
GD\_34  
**Distribution Management Center**

**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.

Quality Assurance / Quality Control  
GD\_35  
**Asset Quality Assurance / Quality Control**  
**On Track**

**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.

Open Work Orders  
GD\_36  
**Asset Open Work Orders**  
**On Track**

**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.

Equipment Settings to Reduce Wildfire Risk  
GD\_37  
**On Track**

**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.

Grid Response Procedures and Notifications  
GD\_38  
**On Track**

**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.

Personnel Work Procedures and Training in Conditions of Elevated Fire Risk  
GD\_39  
**On Track**

**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.

Distribution Pole Replacement and Reinforcement  
GD\_4  
**Distribution Pole Replacement and Reinforcement**  
**Ahead of Plan**

**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.

Workforce Planning  
GD\_40  
**Asset Workforce Planning**  
**On Track**

**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.

Distribution Pole Replacement and Reinforcement  
GD\_5  
**Radford Line Replacement Project**  
**Off Track**

**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.



# 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.





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

May 1, 2024

Via E-Mail

Caroline Thomas Jacobs  
Director, Office of Energy Infrastructure Safety  
715 P Street, 20th Floor  
Sacramento, CA 95814  
Docket #2024-SCs

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

**SUBJECT:** *Q1 2024 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 June 2023 Office of Energy Infrastructure Safety's (Energy Safety) Safety Certification Guidelines, Bear Valley submits to Energy Safety this notification detailing the implementation of its approved Wildfire Mitigation Plan ("WMP"), implementation of the recommendations of Bear Valley's most recent safety culture assessment, , and a statement of activities and recommendations of the Safety and Operations Committee of the BVES Board of Directors meeting that occurred during the quarter, and the summary of the implementation of prior Safety Committee recommendations.

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](mailto:Rachel.peterson@cpuc.ca.gov), Safety Policy Division to [SafetyPolicyDivision@cpuc.ca.gov](mailto:SafetyPolicyDivision@cpuc.ca.gov), Program and Project Supervisor, Eric Wu via email to [Eric.Wu@cpuc.ca.gov](mailto:Eric.Wu@cpuc.ca.gov), and [edtariffunit@cpuc.ca.gov](mailto:edtariffunit@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. Section 8389(e)(7) requires

## **Q1 2024 Notification Letter**

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.”

This Quarterly Notification Letter (“QNL”) reports BVES’s 2024 first quarter (“Q1”) 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 Q1 2024 prepared in accordance with Energy Safety Data Guidelines (Version 3.2) of January 30, 2024.

In Attachment A, BVES provides an initiative summary of progress for individual mitigation measures during Q1 2024.

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

BVES made significant progress in achieving its WMP initiative targets for 2024.

As of the end of Q1 2024, 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 600 poles in Q1 2024.
- Replaced 1.34 circuit miles of bare wire with covered conductor in Q1, BVES exceeded its quarterly target of 0 circuit miles for Q1 2024.
- Conducted 39 substation inspections in Q1 2024, exceeding the Q1 target by 3 inspections.
- Conducted 10 circuit miles of Detailed Inspection in Q1, exceeding its quarterly target of 9 circuit miles for Q1.
- Conducted 58 circuit miles of Patrol Inspection in Q1, exceeding its quarterly target of 52 circuit miles for Q1.
- Conducted 56 pole replacements as part of its Distribution pole replacement and remediation program exceeding its Q1-Q2 target of 50 poles.
- Removed 51 tree attachments in Q1 2024, exceeding its Q1-Q3 target of 50 tree attachments.
- Cleared vegetation encroachment around 18.2 circuit miles in Q1, BVES met and slightly exceeded its quarterly target of 18 circuit miles for Q1 2024.

## **Q1 2024 Notification Letter**

- Removed or remediated 23 trees with fall-in risk in Q1, exceeding the target of removing 22 trees for Q1.
- Community engagement actions on PSPS and WMP were at 244 engagements of various types by the end of Q1, which exceeded the quarterly target of 90 engagements.

Bear Valley adjusted its timeline for conducting the Radford Line Replacement Project (“Radford Project”) from 2023 to 2024 due to delays in receiving clearance on its permit request from the United States Forest Service (“USFS”). The Radford Project replaces 2.7 circuit miles of bare wire sub-transmission and 79 wood poles with high-performance covered conductor and fire resistant (ductile iron) poles located in High Fire Threat District Tier 3 (“extreme fire risk”). The USFS issued its “Letter to Proceed” on January 3, 2024, which authorizes BVES to complete the Radford 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. As of Q1 2024 BVES is on track to meet its target of completing the project by year-end 2024.

### **IMPLEMENTATION OF BVES’S MOST RECENT SAFETY CULTURE ASSESSMENT**

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.

## Q1 2024 Notification Letter

- In response to this recommendation, BVES is developing a strategy to further improve contractor safety culture. BVES intends on building upon the measures it has already put in place to improve contractor safety culture and will add in the following actions:
  - Conduct listening sessions to better understand and respond to contractor perceptions;
  - Increase presence of leadership at job sites to witness challenges encountered by contractors; and
  - Increase training to improve the ability of frontline supervisors to communicate effectively with contractors and ultimately improve the safety culture among contractors.
  - Conduct training to make sure contractors understand how their work is an integral part of the BVES Wildfire Mitigation Plan and impacts public safety.

### **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 is developing a strategy the 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;
  - 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.
  - Increase training to reinforce the elements that promote improved safety culture and safety related communications. For example, BVES President

## Q1 2024 Notification Letter

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 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.
- 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.

### **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 is developing a plan of action to:
  - Develop and implement improved protocols for responding to safety events (near misses and hazards), including their reporting and management;
  - 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; and

## **Q1 2024 Notification Letter**

- 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.).

## **SAFETY AND OPERATIONS COMMITTEE RECOMMENDATIONS AND MEETINGS**

### **Recommendations from the Most Recent Quarter**

During Q1 2024, the Safety and Operations Committee (“Committee”) met once on February 22, 2024. The Committee recommended approval of an increase to the 2024 Capital Investment budget to support a WMP grid hardening project scheduled for 2024. 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**

At the Committee meeting 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 and Bear Valley used the budget increase to execute its grid hardening projects to further reduce the risk of wildfire and PSPS events. This recommendation has been fully implemented by BVES management.

### **Summary of Meetings**

During Q1 2024, the Committee met once. On February 22, 2024, BVES convened the Committee and Chairman Paul Marconi briefed the Committee on WMP compliance and safety certification, safety metrics and performance, Safety Culture Assessment, and the status of 2023-2025 WMP initiatives and targets achieved in the fourth quarter of 2023, 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 changes to the current WMP that would be included in the 2025 WMP Update and the reasons behind the changes. Finally, Mr. Marconi briefed the Committee on the completed actions taken to comply with the 2022 Safety Culture Assessment recommendations. 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 an additional 2024 capital budget authorization request for a WMP project. He then referred the Committee to a draft resolution recommending that the Board approve the capital expenditures for the WMP capital improvement project. The Committee discussed the resolution, and upon motion duly made, seconded, and unanimously carried, the Committee approved the resolution.



## Q1 2024 Notification Letter

Sincerely,

/s/ Jeff Linam

Jeff Linam  
Manager, Regulatory Affairs  
Golden State Water Company  
630 East Foothill Blvd.  
San Dimas, California 91773  
Email: [RegulatoryAffairs@bvesinc.com](mailto:RegulatoryAffairs@bvesinc.com)

### Attachment A

Initiative Summary of Progress for Individual Mitigation Measures during Q1 2024



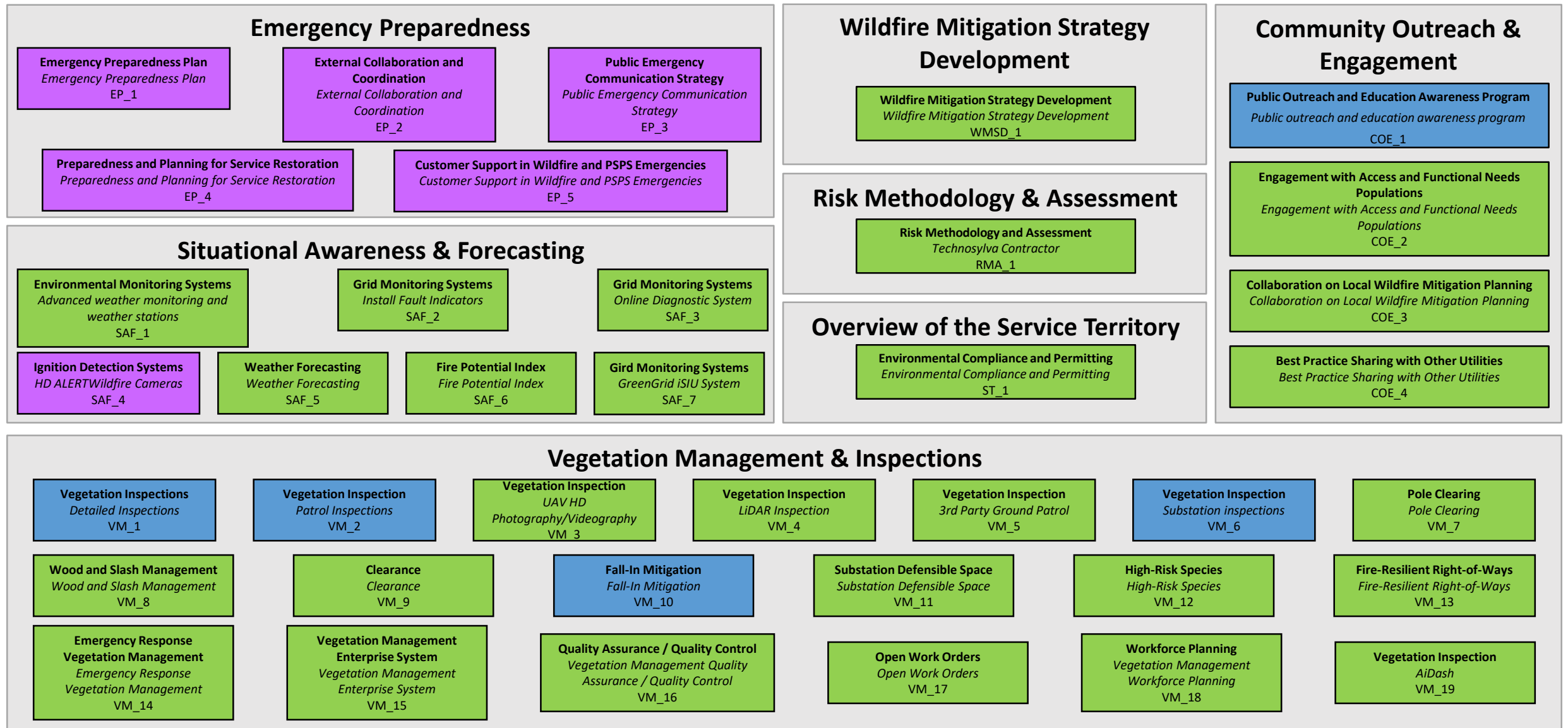
# **Wildfire Mitigation Plan Quarterly Notification Letter Initiatives Update**

**Bear Valley Electric Service, Inc.**

**Q1 2024**

# WMP Activity Summary

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

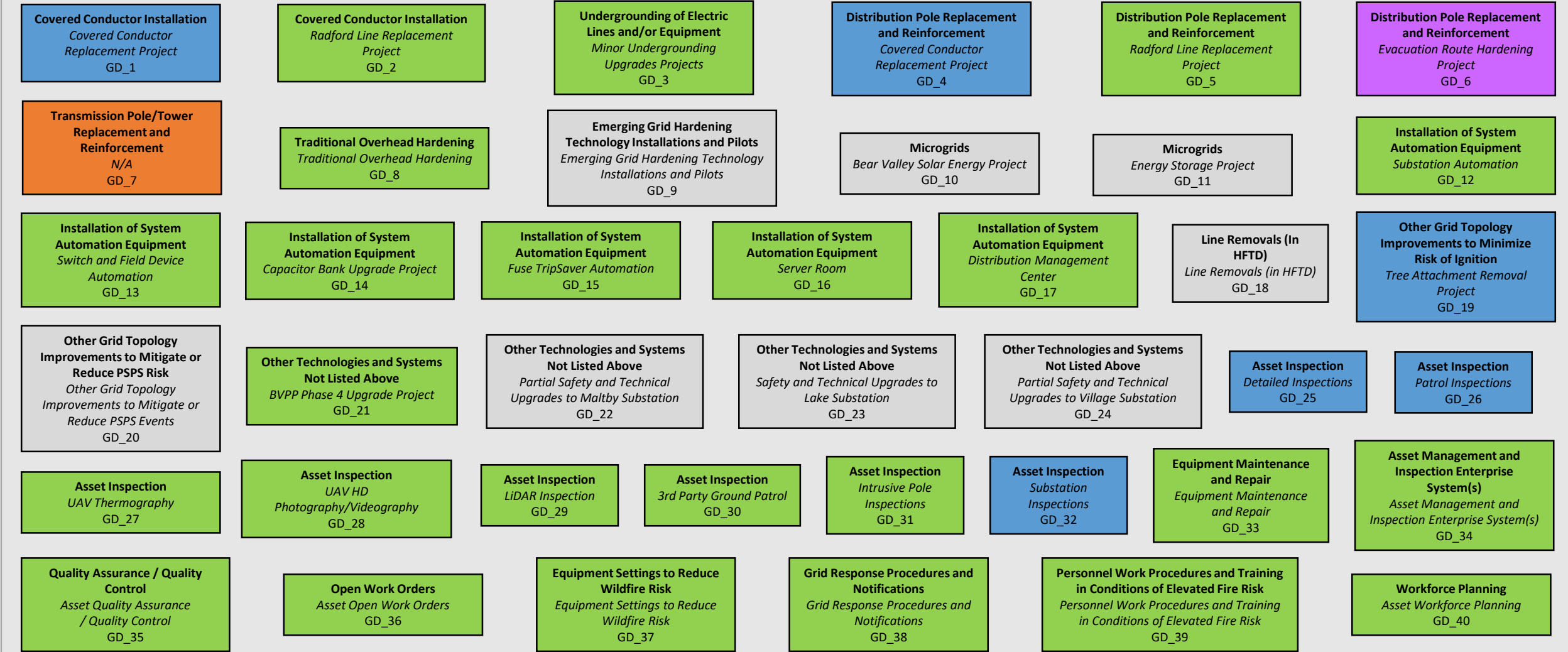


(\* Not Currently Scheduled – BVES included this Status Icon to indicate where an initiative is not currently identified for this WMP cycle, or, that it is not applicable (BVES does not own or operate assets equal to or greater than 65kV).

# 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><b>Established / Ongoing</b></p>	<p>External Collaboration and Coordination EP_2</p> <p><b>Established / Ongoing</b></p>	<p>Public Emergency Communication Strategy EP_3</p> <p><b>Established / Ongoing</b></p>	<p>Preparedness and Planning for Service Restoration EP_4</p> <p><b>Established / Ongoing</b></p>	<p>Customer Support in Wildfire and PSPS Emergencies EP_5</p> <p><b>Established / Ongoing</b></p>	<p><b>Emergency Preparedness and Response Program and PSPS Plan:</b> <b>Volume vs 2024 Goal:</b> BVES did not record an emergency in Q1 of 2024. This means that the use of the Emergency Preparedness &amp; 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><b>Exceeded Target</b></p>	<p><b>Public Outreach and Education Awareness Program:</b> <b>Volume vs Q1 2024 Goal:</b> BVES had planned to conduct at a minimum of 90 outreach activities by the close of Q1. BVES recorded 244 outreach activities, 271% of target for Q1. <b>Key Actions:</b> Grizzly Newspaper advertisements are posted during the week (M-F) for either WMP or PSPS and BVES will have 1 advertisement broadcasted each month.</p>	<p>Collaboration on Local Wildfire Mitigation Planning COE_3</p> <p><b>On Track</b></p>	<p><b>Collaboration on Local Wildfire Mitigation Planning:</b> <b>Volume vs 2024 Goal:</b> BVES plans to engage with Local Support (Fire Department &amp; Forest Service) on a regular basis to discuss project statuses as well as general needs and gaps for the upcoming fire season <b>Key Actions:</b> 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><b>On Track</b></p>	<p><b>Engagement with Access and Function Needs (AFN) Populations:</b> <b>Volume vs 2024 Goal:</b> BVES has an established program in place to identify AFN customers and provide assistance during PSPS. <b>Key Actions:</b> 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 Q1.</p>	<p>Best Practice Sharing with Other Utilities COE_4</p> <p><b>On Track</b></p>	<p><b>Best Practice Sharing with Other Utilities:</b> <b>Volume vs 2024 Goal:</b> 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. <b>Key Actions:</b> BVES has begun to review available working groups and conferences. BVES was able to attend 23 working groups in Q1.</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 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 maintenance needs of the weather equipment were met in Q1.

Grid Monitoring Systems  
SAF\_2  
**Fault Indicator Instillation**  
**On Track**

**Fault Indicator Instillation:**  
**Volume vs Q1 2024 Goal:** BVES planned to complete a total of 0 fault indicator installations by the end of Q1. BVES plans to complete 0 installations in Q1, 15 installs in Q2, 15 installs in Q3, and no additional installs in Q4.  
**Key Actions:** BVES did not plan to install fault indicators in Q1 2024. BVES is on track to meet its 2024 target.

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

**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 will install online diagnostic capability on 1 circuit in Q3 2024.

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

**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.

## 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.

## 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 submitted its 2025 WMP Update to EnergySafety for review and approval on April 2, 2024.

# WMP Activities Status vs. WMP Activity Goals

## Vegetation Management & Inspection

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

**Detailed Inspection:**  
**Volume vs Q1 2024 Goal:** BVES planned to complete a total of 9 circuit miles of inspection by the end of Q1. BVES was able to complete 10 circuit miles in Q1.  
**Key Actions:** BVES exceeded its target of 9 circuit miles of detailed inspection for Q1 by completing 10 circuit miles.

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

**Patrol Inspection:**  
**Volume vs Q1 2024 Goal:** BVES planned to complete a total of 52 circuit miles of inspection in Q1. BVES completed 58 circuit miles in Q1.  
**Key Actions:** BVES exceeded its target of 52 circuit miles of patrol inspection in Q1 by completing 58 circuit miles.

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

**UAV HD Photography / Videography:**  
**Volume vs 2024 Goal:** BVES planned to conduct 205.0 circuit miles of inspection in Q3. BVES annual target is 205.0 circuit miles in 2024.  
**Key Actions:** BVES is on track to meet its target of 205.0 miles of inspection in 2024.

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

**LiDAR Inspection:**  
**Volume vs 2024 Goal:** BVES planned to conduct 205.0 circuit miles of inspection in Q3. BVES annual target is 205.0 circuit miles in 2024.  
**Key Actions:** BVES is on track to meet its target of 205.0 miles of inspection in 2024.

Vegetation Inspection  
VM\_5  
**3rd Party Ground Patrol  
On Track**

**3rd Party Ground Patrol:**  
**Volume vs 2024 Goal:** BVES planned to conduct 205.0 circuit miles of inspection in Q3. BVES annual target is 205.0 circuit miles in 2024.  
**Key Actions:** BVES is on track to meet its target of 205.0 miles of inspection in 2024.

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

**Substation Inspections:**  
**Volume vs Q1 2024 Goal:** BVES planned to complete 36 substation inspections in Q1. BVES completed 39 substation inspections in Q1.  
**Key Actions:** BVES exceeded its target of 36 substation inspection in Q1 by completing 39 substation inspection putting it ahead of schedule 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 acts.

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

**Wood and Slash Management:**  
**Volume vs 2024 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 Q1 2024 Goal:** BVES planned to complete 18 circuit miles of clearing by the end of Q1. BVES completed 18.2 circuit miles by the close of Q1.  
**Key Actions:** BVES completed 18.2 circuit miles of clearing through Q1. BVES is on track to meet its target of 72 circuit miles of clearing in 2024.

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

**Fall-In Mitigation:**  
**Volume vs Q1 2024 Goal:** BVES planned to complete 22 tree remediations or removals to prevent fall-in in Q1. BVES was able to complete 23 tree remediations or removals in Q1.  
**Key Actions:** BVES completed 23 remediations or removals in Q1. BVES is ahead of plan to remediate or remove 22 trees per quarter.

# WMP Activities Status vs. WMP Activity Goals

## Vegetation Management & Inspection

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

**Substation Defensible Space:**  
**Volume vs Q1 2024 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 0 abatements in Q1. BVES plans to conduct 13 abatements in 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 on 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 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 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. Currently its systems are standalone, but due to BVES's size this is not a major concern.  
**Key Actions:** BVES continues to evaluate the need for automated and master systems as it relates to vegetation management.

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

**Vegetation Management Quality Assurance / Quality Control:**  
**Volume vs Q1 2024 Goal:** BVES planned to complete 2 vegetation management audits by the end of Q1. BVES was able to complete the 2 audits by the close of Q1.  
**Key Actions:** BVES completed 2 audit in Q1 with a YTD total of 2 vegetation management audits in 2024. BVES is on track to meet 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 Q1.

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**  
**On Track**

**AiDash:**  
**Volume vs 2024 Goal:** BVES has implemented AiDash and plans to use it at minimum once annually to assess the vegetation in its service territory.  
**Key Actions:** BVES will continue to use the AiDash Satellite inspection once per year and will use the information provided as detail and validation for its vegetation inspection program.

# WMP Activities Status vs. WMP Activity Goals

## Grid Design, Operations & Maintenance

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

**Covered Conductor Replacement Program:**  
**Volume vs Q1 2024 Goal:** BVES planned to complete a total of 0 circuit miles by the end of Q1. BVES completed 1.34 circuit miles by the end of Q1.  
**Key Actions:** BVES completed 1.34 circuit miles of covered conductor installation in Q1. BVES is currently ahead of plan for its target of 12.9 circuit miles in 2024.

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

**Radford Line Replacement Project:**  
**Volume vs 2024 Goal:** BVES plans to complete the Radford Line covered conductor project in 2024. BVES plans to replace 1 circuit mile in Q3 and 1.7 circuit miles in Q4, for a total of 2.7 circuit miles replaced.  
**Key Actions:** BVES has received the letter to proceed from the USFS as of 1/3/24. No replacements were conducted in Q1.

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

**Capacitor Bank Upgrade Project:**  
**Volume vs 2024 Goal:** BVES plans to connect and automate 6 Capacitor Banks to SCADA in 2024, 1 capacitor bank in Q2 and 5 additional in Q3.  
**Key Actions:** BVES did not connect a capacitor bank to SCADA in Q1. BVES is on track to meet its 2024 target.

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

**Fuse TripSaver Automation:**  
**Volume vs 2024 Goal:** BVES plans to connect and automate 50 Fuse TripSavers to SCADA in 2024, 16 TripSavers in Q2, 25 in Q3, and 9 additional in Q4.  
**Key Actions:** BVES did not connect a Fuse TripSaver to SCADA in Q1. BVES is on track to meet its 2024 target.

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 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 2024 Goal:** The Energy Storage Project is not scheduled for construction in 2024.  
**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 2024 Goal:** BVES plans to connect and automate 3 substations to SCADA in 2024, 1 substation in Q2, 1 in Q3, and 1 additional in Q4.  
**Key Actions:** BVES did not connect a substation to SCADA in Q1. BVES is on track to meet its 2024 target.

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

**Switch and Field Device Automation:**  
**Volume vs 2024 Goal:** BVES plans to connect and automate 10 Field Switches to SCADA in 2024, 5 field switches in Q2 and 5 additional in Q3.  
**Key Actions:** BVES did not connect a field switch to SCADA in Q1. BVES is on track to meet its 2024 target.

# 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 2024 Goal:** BVES plans to upgrade the Server Room at its main office in 2024.

**Key Actions:** BVES is on track to meet its target for 2024.

Installation of System Automation Equipment  
GD\_17  
**Distribution Management Center**  
**On Track**

**Distribution Management Center:**

**Volume vs 2024 Goal:** The Distribution Management Center Project is schedule for completion in 2025. BVES plans to hit the 50% project mark by the close of 2024.

**Key Actions:** BVES is currently in the planning phase and is on track to hit its 50% project target for 2024.

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**  
**Ahead of Plan**

**Covered Conductor Replacement Program:**

**Volume vs Q1 2024 Goal:** BVES planned to complete 0 tree attachment removals by the end of Q1. BVES was able to complete 51 tree attachments removals by the close of Q1.

**Key Actions:** BVES was able to complete 51 removals in Q1. BVES is ahead of plan for tree attachment removals in 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 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**  
**On Track**

**BVPP Phase 4 Upgrade Project:**

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

**Key Actions:** BVES is on track to complete 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 in not scheduled for 2024.

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

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 not scheduled for 2024.

**Key Actions:** No construction action will be taken on this program in 2024. BVES will perform project planning in 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 not scheduled for 2024.

**Key Actions:** No construction action will be taken on this program in 2024. BVES will perform project planning in 2026.



# WMP Activities Status vs. WMP Activity Goals

## Grid Design, Operations & Maintenance

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

**Detailed Inspection:**  
**Volume vs Q1 2024 Goal:** BVES planned to complete a total of 9 circuit miles of inspection by the end of Q1. BVES was able to complete 10 circuit miles in Q1.  
**Key Actions:** BVES exceeded its target of 9 circuit miles of detailed inspection for Q1 by completing 10 circuit miles.

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

**Patrol Inspection:**  
**Volume vs Q1 2024 Goal:** BVES planned to complete a total of 52 circuit miles of inspection in Q1. BVES completed 58 circuit miles in Q1.  
**Key Actions:** BVES exceeded its target of 52 circuit miles of patrol inspection in Q1 by completing 58 circuit miles.

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

**UAV Thermography:**  
**Volume vs 2024 Goal:** BVES planned to conduct 205.0 circuit miles of inspection in Q3. BVES annual target is 205.0 circuit miles in 2024.  
**Key Actions:** BVES is on track to meet its target of 205.0 miles of inspection in 2024.

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

**UAV HD Photography / Videography:**  
**Volume vs 2024 Goal:** BVES planned to conduct 205.0 circuit miles of inspection in Q3. BVES annual target is 205.0 circuit miles in 2024.  
**Key Actions:** BVES is on track to meet its target of 205.0 miles of inspection in 2024.

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

**LiDAR Inspection:**  
**Volume vs 2024 Goal:** BVES planned to conduct 205.0 circuit miles of inspection in Q3. BVES annual target is 205.0 circuit miles in 2024.  
**Key Actions:** BVES is on track to meet its target of 205.0 miles of inspection in 2024.

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 undergrounding on an as needed basis. There were no proposed or initiated undergrounding projects in Q1.  
**Key Actions:** No undergrounding projects were proposed or initiated in Q1.

Asset Inspection  
GD\_30  
**3rd Party Ground Patrol  
On Track**

**3rd Party Ground Patrol:**  
**Volume vs 2024 Goal:** BVES planned to conduct 205.0 circuit miles of inspection in Q3. BVES annual target is 205.0 circuit miles in 2024.  
**Key Actions:** BVES is on track to meet its target of 205.0 miles of inspection in 2024.

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

**Intrusive Pole Inspection:**  
**Volume vs 2024 Goal:** BVES plans to conduct 850 intrusive pole inspections by the end of Q4.  
**Key Actions:** BVES completed 0 intrusive pole inspections in Q1. BVES is on track to meet its target for 2024

Asset Inspection  
GD\_32  
**Substation Inspections  
Ahead of Plan**

**Substation Inspections:**  
**Volume vs Q1 2024 Goal:** BVES planned to complete 36 substation inspections by the end of Q1. BVES completed 39 substation inspections in Q1.  
**Key Actions:** BVES completed 39 inspection in Q1, exceeding its target of 36 inspections. BVES ahead of schedule for 2024.

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

**Equipment Maintenance and Repair:**  
**Volume vs 2024 Goal:** This is an as needed program for BVES and covers all maintenance of equipment in BVES service territory.  
**Key Actions:** BVES plans to perform as needed maintenance throughout 2024.



# WMP Activities Status vs. WMP Activity Goals

## Grid Design, Operations & Maintenance

Asset Management and Inspection Enterprise System(s)  
GD\_34  
**Distribution Management Center**

**Asset Management and Inspection Enterprise System(s):**  
**Volume vs 2024 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.

Grid Response Procedures and Notifications  
GD\_38  
**On Track**

**Grid Response Procedures and Notifications:**  
**Volume vs 2024 Goal:** For 2024 BVES plans to review and, if necessary, update its procedure. This will be an annual process.  
**Key Actions:** BVES is on track to complete its annual review process.

Quality Assurance / Quality Control  
GD\_35  
**Asset Quality Assurance / Quality Control**  
**On Track**

**Asset Quality Assurance / Quality Control:**  
**Volume vs Q1 2024 Goal:** BVES planned to complete 5 asset QCs on WMP work by the end of Q1. BVES was able to complete 5 QCs by the end of Q1.  
**Key Actions:** BVES completed 5 asset QCs in Q1 with a YTD total of 5 QCs in 2024. BVES is on track to meet its target for 2024.

Personnel Work Procedures and Training in Conditions of Elevated Fire Risk  
GD\_39  
**On Track**

**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 procedure. This will be an annual process. BVES will also verify the training of all responsible staff members.  
**Key Actions:** BVES is on track to complete its annual review process.

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 Q1.

Distribution Pole Replacement and Reinforcement  
GD\_4  
**Distribution Pole Replacement and Reinforcement**  
**Ahead of Plan**

**Distribution Pole Replacement and Reinforcement:**  
**Volume vs 2024 Goal:** BVES plans to complete 200 pole replacements by the end of Q4. BVES planned to complete 0 pole replacements in Q1.  
**Key Actions:** BVES completed 58 pole replacements in Q1. BVES is ahead of plan to meet its 2024 target.

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 Q1.

Workforce Planning  
GD\_40  
**Asset Workforce Planning**  
**On Track**

**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.

# WMP Activities Status vs. WMP Activity Goals

## Grid Design, Operations & Maintenance

Distribution Pole Replacement and Reinforcement  
GD\_5  
**Radford Line Replacement Project**  
**On Track**

**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. BVES plans to replace 20 poles in Q3 and an additional 50 poles in Q4, for a total of 70 poles replaced.

**Key Actions:** BVES has received the letter to proceed from the USFS as of 1/3/24. No replacements were conducted in Q1.

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

**Asset Quality Assurance / Quality Control:**

**Volume vs Q1 2024 Goal:** BVES planned to complete a 250 poles hardened with Wire Mesh in Q1. BVES hardened 600 poles with wire mesh in Q1.

**Key Actions:** BVES completed 600 poles hardened with wire mesh in Q1. BVES exceeded its target of 250 for Q1 and exceeded its annual target of 500 poles in Q1.

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 tasks. Overhead hardening work is performed as needed in response to inspection findings and emergent conditions.

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

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.



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

August 1, 2024

Via E-Mail

Caroline Thomas Jacobs  
Director, Office of Energy Infrastructure Safety  
715 P Street, 20th Floor  
Sacramento, CA 95814  
Docket #2024-SCs

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

**SUBJECT:** *Q2 2024 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 June 2023 Office of Energy Infrastructure Safety's (Energy Safety) Safety Certification Guidelines, Bear Valley submits to Energy Safety this notification detailing the implementation of its approved Wildfire Mitigation Plan ("WMP"), implementation of the recommendations of Bear Valley's most recent safety culture assessment, and a statement of activities and recommendations of the Safety and Operations Committee of the BVES Board of Directors meeting that occurred during the quarter, and the summary of the implementation of prior Safety Committee recommendations.

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](mailto:Rachel.peterson@cpuc.ca.gov), Safety Policy Division to [SafetyPolicyDivision@cpuc.ca.gov](mailto:SafetyPolicyDivision@cpuc.ca.gov), Program and Project Supervisor, Eric Wu via email to [eric.wu@cpuc.ca.gov](mailto:eric.wu@cpuc.ca.gov), and [edtariffunit@cpuc.ca.gov](mailto:edtariffunit@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. 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

## **Q2 2024 Notification Letter**

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.”

This Quarterly Notification Letter (“QNL”) reports BVES’s 2024 second quarter (“Q2”) 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 Q2 2024 prepared in accordance with Energy Safety Data Guidelines (Version 3.2) of January 30, 2024.

In Attachment A, BVES provides an initiative summary of progress for individual mitigation measures during Q2 2024.

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

BVES made significant progress in achieving its WMP initiative targets for 2024. As of the end of Q2 2024, some of the more significant achievements were:

- Replaced 7.18 circuit miles of bare wire with covered conductor, which exceeds the end of Q2 target 2.5 circuit miles.
- Replaced 166 poles, which exceeds the end of Q2 target of 50 poles.
- Installed fire-resistant wire mesh on 991 wood poles exceeding the annual target to harden 500 poles along the evacuation routes.
- Removed 84 tree attachments, which exceeds the end of Q2 target of 30 tree attachments.
- Automated one substation, which is on target for Q2.
- Installed and automated one capacitor bank, which is on target for Q2.
- Conducted 78 substation inspections, which exceeds the end of Q2 target of 72 substation inspections.
- Conducted 32 circuit miles of detailed inspection (GO-165), which exceeds the end of Q2 target of 21 circuit miles.
- Conducted 106 circuit miles of patrol inspection (GO-165), which exceeds the end of Q2 target of 102 circuit miles.
- Cleared vegetation encroachment around 37 circuit miles, which exceeds the end of Q2 target of 36 circuit miles.
- Removed 63 hazard trees with fall-in risk, which exceeds the end of Q2 target of removing 44 trees.

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- Conducted 496 public and outreach and education actions on PSPS and WMP, which exceeds the Q2 target of 180 public engagement actions.

Bear Valley adjusted its timeline for conducting the Radford Line Replacement Project (“Radford Project”) from 2023 to 2024 due to delays in receiving clearance on its permit request from the United States Forest Service (“USFS”). The Radford Project replaces 2.7 circuit miles of bare wire sub-transmission 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”). The USFS issued its “Letter to Proceed” on January 3, 2024, which authorizes BVES to construct the Radford Project. BVES began construction in late May and installed 0.75 miles of covered conductor and replaced 10 poles as of the end of Q2 2024 and is on track to complete the project by year-end 2024.

Three grid hardening initiatives, Switch and Field Device Automation, Fuse TripSaver Automation, and Install Fault Indicators, fell behind their Q2 targets as follows:

<u>Initiative</u>	<u>Q1+Q2 Target</u>	<u>Q1+Q2 Actual</u>
Switch and Field Device Automation (GD_13)	5	2
Fuse TripSaver Automation (GD_15)	16	11
Install Fault Indicators (SAF_2)	15	9

These initiatives fell off track in Q2 2024 due to an unplanned loss of key staff involved in connecting these systems to the SCADA network. The staffing issues were resolved and Bear Valley has implemented a detailed plan to get these initiatives back on track and fully expects to achieve its annual targets for these initiatives.

Additionally, Bear Valley had a target to conduct vegetation abatement on 8 of 13 substations in Q2 2024 for the Substation Defensible Space initiative. No abatements were conducted in Q2 but they were all complete (all 13 substations) in the first week of July 2024. Therefore, for Q2 this initiative is listed as off track but the annual target was completed as of the date of this letter.

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

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

## Q2 2024 Notification Letter

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 is developing a strategy to further improve contractor safety culture.
- 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 intends on 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
  - Conduct listening sessions to better understand and respond to contractor perceptions;
  - Increase presence of leadership at job sites to witness challenges encountered by contractors; and
  - Increase training to improve the ability of frontline supervisors to communicate effectively with contractors and ultimately improve the safety culture among contractors.
  - Conduct training to make sure contractors understand how their work is an integral part of the BVES Wildfire Mitigation Plan and impacts public safety.
  - Reach out to other investor owned utilities (IOUs) to develop best practices for improving contractor safety culture.
  - Add "Contractor Engagement Strategy" as a BVES Safety Culture Objective in Bear Valley's 3-year Safety Culture Plan (fully achieve objective by 2026).

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



## Q2 2024 Notification Letter

- 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 is developing a strategy the 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;
  - 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.
  - 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 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.
    - Discuss the importance of focusing on one task at a time and avoiding distractions. Explain while multi-tasking is present in our

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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.

- 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.

### **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 is developing a plan of action to:
  - Develop and implement improved protocols for responding to safety events (near misses and hazards), including their reporting and management;
  - 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; and
  - 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.).
  - Incorporate near-miss and hazard reporting into Bear Valley’s behavior based safety program implementation.

## **SAFETY AND OPERATIONS COMMITTEE RECOMMENDATIONS AND MEETINGS**

### **Recommendations from the Most Recent Quarter**

During Q2 2024, the Safety and Operations Committee (“Committee”) met once on June 6, 2024. The Committee agreed with management’s decision to accept and implement the recommendations of the 2023 Safety Culture Assessment (SCA). Additionally, the

## **Q2 2024 Notification Letter**

Committee agreed with the plan of action management proposed to implement the 2023 SCA recommendations.

### **Progress on Previous Recommendations**

At the Committee meeting on February 22, 2024, the Committee recommended approval of an increase to the 2024 Capital Investment budget to support a WMP grid hardening project scheduled for 2024. This recommendation was approved by the Board of Directors and Bear Valley used the budget increase to the WMP grid hardening project to further reduce the risk of wildfire and PSPS events. This recommendation has been fully implemented by BVES management.

### **Summary of Meetings**

During Q2 2024, the Committee met once. On June 6, 2024, BVES convened the Committee and Chairman Paul Marconi briefed the Committee on current safety items at BVES including Wildfire Mitigation Plan (WMP) compliance and safety certification, safety metrics and performance, Safety Culture Assessment, and the status of 2023-2025 WMP initiatives and targets achieved in the first quarter of 2024. Mr. Marconi informed the Committee that all WMP initiatives were on track to achieve their 2024 annual targets. He then briefed the Committee on preparations for the 2024 fire season and the fire potential index model implemented by Bear Valley that was being used each day to evaluate wildfire risk and aid in determining the operational posture of the distribution system based on the fire risk. Mr. Marconi also informed the Committee that the Company had contracted an expert engineering consulting company to evaluate the Company's distribution system protection settings for switches and to make recommendations on the use of Fast Trip Settings to reduce the likelihood of ignitions. Mr. Marconi reminded the Committee that currently all protection settings were based on the Fast Curve Trip settings provided by the equipment manufacturers.

Chairman Marconi briefed the Committee on the 2023 SCA Report by OEIS. Prior to the meeting, each Committee member had been provided a copy of the 2023 SCA Report. Mr. Marconi discussed how the survey was conducted and reviewed the results of the survey. He briefed the Committee on areas that showed a strong safety culture and areas that indicated opportunities for improvement. The Committee discussed at length the lower scores that the contractor employees had when compared to BVES employees and various ways to improve contractor safety culture. Mr. Marconi provided the Committee an analysis of contractor safety culture survey results over the past three years at Bear Valley and at other investor owned utilities. The Committee agreed with the plan of action management has implemented to improve contractor safety culture. The Committee also focused on the lower survey scores that the Engineering and Planning employees had on the survey. It was noted that while the Engineering and Planning employees average score was lower than Operations employees, their score was still above 4 on a scale of 1 to 5 with 5 being the highest possible score. The Committee agreed with management's plan of action to improve the Engineering and Planning employees' safety culture. The Committee also discussed the recommendations regarding strengthening safety-enabling systems (near miss and

## Q2 2024 Notification Letter

hazard reporting) and agreed with management's approach to improving in this area. The Committee agreed with management's decision to implement the recommendations from the 2023 SCA report. 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.

Sincerely,

/s/ Jeff Linam

Jeff Linam  
Manager, Regulatory Affairs  
Golden State Water Company  
630 East Foothill Blvd.  
San Dimas, California 91773  
Email: [RegulatoryAffairs@bvesinc.com](mailto:RegulatoryAffairs@bvesinc.com)

### Attachment A

Initiative Summary of Progress for Individual Mitigation Measures during Q2 2024



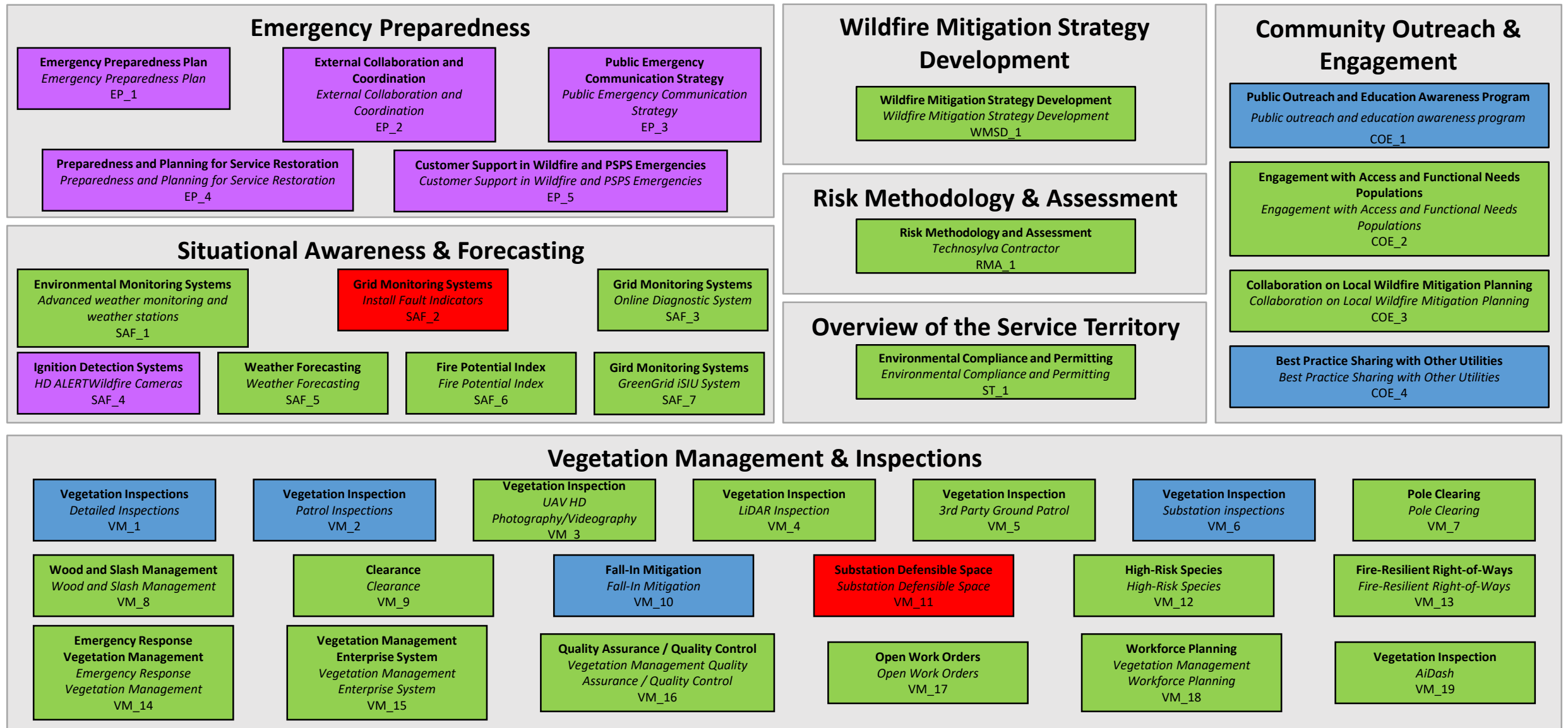
# **Wildfire Mitigation Plan Quarterly Notification Letter Initiatives Update**

**Bear Valley Electric Service, Inc.**

**Q2 2024**

# WMP Activity Summary

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



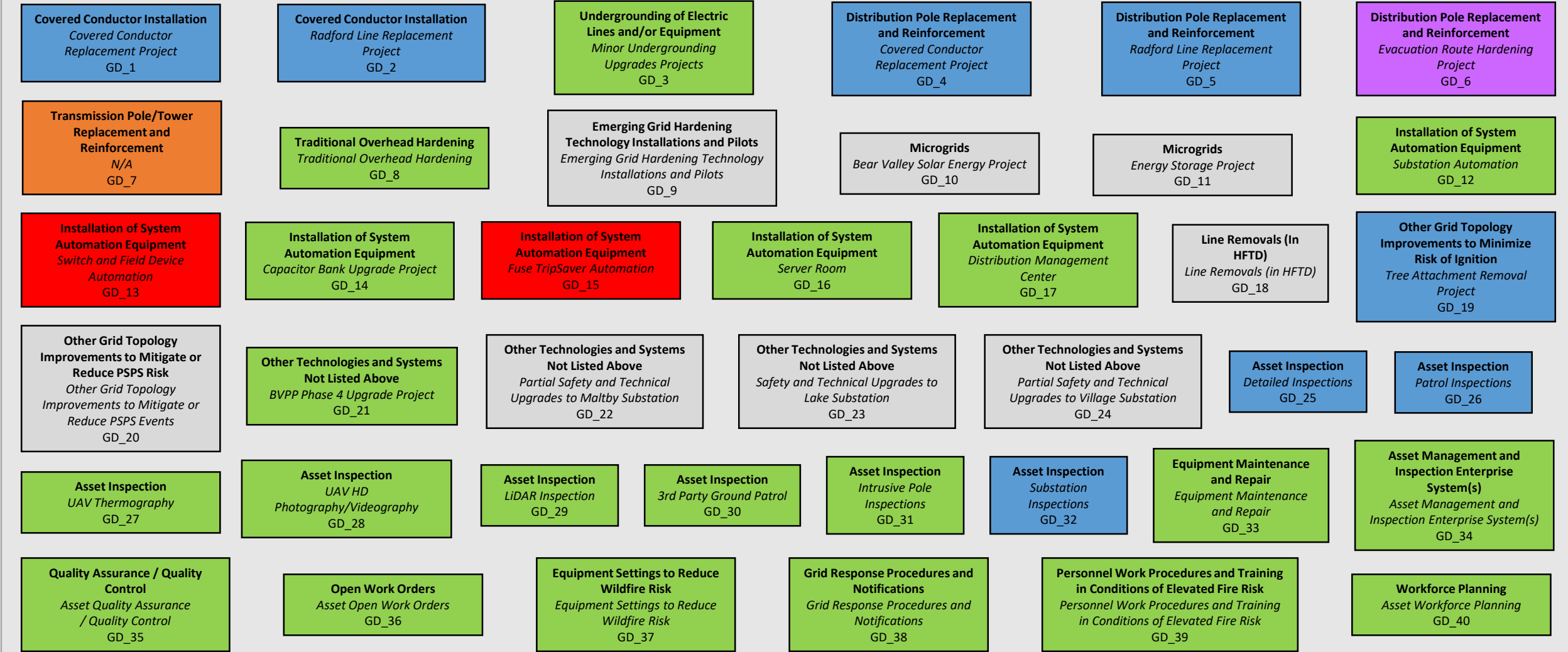
(\* Not Currently Scheduled – BVES included this Status Icon to indicate where an initiative is not currently identified for this WMP cycle, or, that it is not applicable (BVES does not own or operate assets equal to or greater than 65kV).



# 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><b>Established / Ongoing</b></p>	<p>External Collaboration and Coordination EP_2</p> <p><b>Established / Ongoing</b></p>	<p>Public Emergency Communication Strategy EP_3</p> <p><b>Established / Ongoing</b></p>	<p>Preparedness and Planning for Service Restoration EP_4</p> <p><b>Established / Ongoing</b></p>	<p>Customer Support in Wildfire and PSPS Emergencies EP_5</p> <p><b>Established / Ongoing</b></p>	<p><b>Emergency Preparedness and Response Program and PSPS Plan:</b> <b>Volume vs 2024 Goal:</b> BVES did not record an emergencies in Q2 of 2024. This means that the use of the Emergency Preparedness &amp; 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><b>Exceeded Target</b></p>	<p><b>Public Outreach and Education Awareness Program:</b> <b>Volume vs 2024 Goal:</b> BVES planned to conduct a minimum of 360 outreach activities in 2024. <b>Key Actions:</b> BVES conducted 496 outreach activities as of Q2 exceeding its Q2 target of 180 outreach activities and is ahead of schedule for 2024.</p>	<p>Collaboration on Local Wildfire Mitigation Planning COE_3</p> <p><b>On Track</b></p>	<p><b>Collaboration on Local Wildfire Mitigation Planning:</b> <b>Volume vs 2024 Goal:</b> BVES plans to engage with Local Support (Fire Department &amp; Forest Service) on a regular basis to discuss project statuses as well as general needs and gaps for the upcoming fire season. <b>Key Actions:</b> 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><b>On Track</b></p>	<p><b>Engagement with Access and Function Needs (AFN) Populations:</b> <b>Volume vs 2024 Goal:</b> BVES has an established program in place to identify AFN customers and provide assistance during PSPS. <b>Key Actions:</b> 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 Q2.</p>	<p>Best Practice Sharing with Other Utilities COE_4</p> <p><b>Exceeded Target</b></p>	<p><b>Best Practice Sharing with Other Utilities:</b> <b>Volume vs 2024 Goal:</b> 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. <b>Key Actions:</b> BVES attended 56 conferences, working groups and meetings as of the end of Q2 exceeding its Q2 target of 8 conferences, working groups and meetings and is ahead of schedule for 2024.</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 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 maintenance needs of the weather equipment were met in Q2.

Grid Monitoring Systems  
SAF\_2  
**Fault Indicator Instillation**  
**Off Track**

**Fault Indicator Instillation:**  
**Volume vs 2024 Goal:** BVES plans to connect 30 fault indicators to SCADA in 2024.  
**Key Actions:** BVES installed 9 of the 15 fault indicators planned for Q2. BVES is currently off track but has implemented a detailed plan to achieve its annual the target for 2024.

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

**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 will install online diagnostic capability on 1 circuit in Q3 2024.

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

**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 submitted its revised 2025 WMP Update to Energy Safety for review and approval on May 29, 2024.

# WMP Activities Status vs. WMP Activity Goals

## Vegetation Management & Inspection

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

**Detailed Inspection:**

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

**Key Actions:** BVES completed 32 circuit miles of detailed inspection as of Q2 exceeding its Q2 target of 21 circuit miles and is ahead of schedule for 2024.

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

**Patrol Inspection:**

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

**Key Actions:** BVES completed 106 circuit miles of patrol inspection as of Q2 exceeding its Q2 target of 102 circuit miles and is ahead of schedule for 2024.

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

**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 has a contract in place to conduct 205.0 circuit miles of UAV HD Photography/Videography inspection in Q3 and is on track to meet its target for 2024.

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

**LiDAR Inspection:**

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

**Key Actions:** BVES has a contract in place to conduct 205.0 circuit miles of LiDAR inspection in Q3 and is on track to meet its target for 2024.

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

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

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

**Key Actions:** BVES has a contract in place to conduct 205.0 circuit miles of 3<sup>rd</sup> party ground patrol inspection in Q3 and is on track to meet its target for 2024.

Vegetation Inspection  
VM\_6  
**Substation Inspections  
Ahead of Plan**

**Substation Inspections:**

**Volume vs Q2 2024 Goal:** BVES plans to conduct 144 substation inspections in 2024.

**Key Actions:** BVES conducted 78 substation inspections exceeding its Q2 target of 72 and is ahead of schedule 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  
**On Track**

**Vegetation Clearance:**

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

**Key Actions:** BVES completed 37 circuit miles of clearing as of Q2 and is on track to achieve its target for 2024.

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

**Fall-In Mitigation:**

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

**Key Actions:** BVES completed 63 tree removals as of Q2 exceeding its Q2 target. BVES is ahead of schedule for its fall-in mitigation program in 2024.

# WMP Activities Status vs. WMP Activity Goals

## Vegetation Management & Inspection

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

**Substation Defensible Space:**

**Volume vs 2024 Goal:** BVES's plans to conduct 13 substation vegetation abatements in 2024.

**Key Actions:** BVES has delayed the substation abatements to all be conducted in the first week of Q3; therefore it missed its target of 8 abatements in Q2.

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**  
**On Track**

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

**Volume vs 2024 Goal:** BVES plans to complete 5 vegetation management audits in 2024.

**Key Actions:** BVES completed 3 audits as of Q2 and is on track to meet 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 Q2.

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**  
**On Track**

**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:** BVES has a contract in place for AiDash to complete a satellite survey in Q3. BVES is on track to achieve its 2024 target.



# 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 2024 Goal:** BVES plans replace 12.9 circuit miles of bare conductors with covered conductors in 2024.  
**Key Actions:** BVES replaced 7.18 circuit miles of bare conductors with covered conductors as of Q2 exceeding its target for Q2. BVES is ahead of schedule for the Covered Conductor Replacement Program.

Covered Conductor Installation  
GD\_2  
**Radford Line Replacement Project Ahead of Plan**

**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 received clearance from the USFS for the project. BVES began construction in May 2024 and installed 0.75 circuit miles of covered conductors as of Q2 exceeding its target for Q2. BVES is ahead of schedule to complete this project in 2024.

Installation of System Automation Equipment  
GD\_14  
**Capacitor Bank Upgrade Project On 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 1 capacitor bank to SCADA. BVES is on track to meet its 2024 target.

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 11 of its target of 16 Fuse TripSavers to SCADA in Q2. BVES is currently off track but has implemented a detailed plan to achieve annual the target for 2024.

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 and an application with the CPUC for the Solar Energy Project.

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 and an application with the CPUC for the Energy Storage Project

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

**Substation Automation:**  
**Volume vs 2024 Goal:** BVES plans to connect and automate 3 substations to SCADA in 2024.  
**Key Actions:** BVES completed 1 substation automation in Q2 and BVES is on track to meet its 2024 target.

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

**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 2 field switches to SCADA in Q2 falling behind its target of connecting 5 switches to SCADA in Q2. BVES is currently off track but has implemented a detailed plan to achieve the annual target for 2024.

# 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 2024 Goal:** BVES plans to upgrade the Server Room at its main office in 2024.  
**Key Actions:** BVES is on track to meet its target for 2024.

Installation of System Automation Equipment  
GD\_17  
**Distribution Management Center**  
**On Track**

**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 planning phase and is on track to meet its 50% project completion target for 2024.

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**  
**Ahead of Plan**

**Tree Attachment Removal Program:**  
**Volume vs 2024 Goal:** BVES plans to complete 100 tree attachment removals in 2024.  
**Key Actions:** BVES completed 84 tree attachment removals as of Q2 exceeding its target for Q2. BVES is ahead of schedule for the tree attachment removal program 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 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**  
**On Track**

**BVPP Phase 4 Upgrade Project:**  
**Volume vs 2024 Goal:** The BVPP Phase 4 Upgrade Project is schedule for completion in 2024.  
**Key Actions:** BVES is on track to complete 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 in not scheduled to be completed in 2024.  
**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 not scheduled for 2024.  
**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 of 2024.

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 not scheduled for 2024.  
**Key Actions:** No construction action will be taken on this program in 2024. BVES will perform project planning in 2025.

# WMP Activities Status vs. WMP Activity Goals

## Grid Design, Operations & Maintenance

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

**Detailed Inspection:**

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

**Key Actions:** BVES completed 32 circuit miles of detailed inspection as of Q2 exceeding its Q2 target of 21 circuit miles and is ahead of schedule for 2024.

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

**Patrol Inspection:**

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

**Key Actions:** BVES completed 106 circuit miles of patrol inspection as of Q2 exceeding its Q2 target of 102 circuit miles and is ahead of schedule for 2024.

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

**UAV Thermography:**

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

**Key Actions:** BVES has a contract in place to conduct 205.0 circuit miles of UAV Thermography inspection in Q3 and is on track to meet its target for 2024.

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

**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 has a contract in place to conduct 205.0 circuit miles of UAV HD Photography/Videography inspection in Q3 and is on track to meet its target for 2024.

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

**LiDAR Inspection:**

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

**Key Actions:** BVES has a contract in place to conduct 205.0 circuit miles of LiDAR inspection in Q3 and is on track to meet its target for 2024.

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 Q2.

**Key Actions:** No undergrounding projects were proposed or initiated in Q2.

Asset Inspection  
GD\_30  
**3rd Party Ground Patrol  
On Track**

**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 has a contract in place to conduct 205.0 circuit miles of 3rd party ground patrol inspection in Q3 and is on track to meet its target for 2024.

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

**Intrusive Pole Inspection:**

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

**Key Actions:** BVES has a contract in place to conduct 850 intrusive pole inspections in Q3 and is on track to meet its target for 2024.

Asset Inspection  
GD\_32  
**Substation Inspections  
Ahead of Plan**

**Substation Inspections:**

**Volume vs Q2 2024 Goal:** BVES plans to conduct 144 substation inspections in 2024.

**Key Actions:** BVES conducted 78 substation inspections exceeding its Q2 target of 72 and is ahead of schedule 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.

# WMP Activities Status vs. WMP Activity Goals

## Grid Design, Operations & Maintenance

Asset Management and Inspection Enterprise System(s)  
GD\_34  
**Distribution Management Center**

**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.

Grid Response Procedures and Notifications  
GD\_38  
**On Track**

**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 is on track to complete its annual review process.

Quality Assurance / Quality Control  
GD\_35  
**Asset Quality Assurance / Quality Control**  
**On Track**

**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 10 asset QCs as of Q2 and is on track meet its target for 2024.

Personnel Work Procedures and Training in Conditions of Elevated Fire Risk  
GD\_39  
**On Track**

**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 is on track to complete its annual review process.

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 Q2.

Distribution Pole Replacement and Reinforcement  
GD\_4  
**Distribution Pole Replacement and Reinforcement**  
**Ahead of Plan**

**Distribution Pole Replacement and Reinforcement:**

**Volume vs 2024 Goal:** BVES plans to complete 200 pole replacements in 2024.  
**Key Actions:** BVES has completed 166 poles replacements as of Q2 and is ahead of plan to meet its 2024 target.

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 Q2. BVES also engaged an expert consultant to review BVES's protective settings and make recommendations to reduce the likelihood of ignitions.

Workforce Planning  
GD\_40  
**Asset Workforce Planning**  
**On Track**

**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.

# WMP Activities Status vs. WMP Activity Goals

## Grid Design, Operations & Maintenance

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 10 poles as of Q2 exceeding its target for Q2. BVES is ahead of schedule to complete this project by the end of 2024.

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

**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 991 poles as of the end of Q2 exceeding its 2024 target.

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 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 Q2.

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.