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

Via Electronic Filing

April 1, 2025

Caroline Thomas Jacobs, Director
Office of Energy Infrastructure Safety
715 P Street, 20th Floor
Sacramento, CA 95814
Caroline.ThomasJacobs@energysafety.ca.gov

RE: *Bear Valley Electric Service, Inc. 2024 Electrical Corporation Annual Report on Compliance Pursuant to Public Utilities Code Section 8386.3(c)(1).*

Dear Director Jacobs,

This report serves as Bear Valley Electric Service, Inc.'s ("BVES's" or "Bear Valley") response to Public Utilities Code ("PUC") §8386.3(c)(1), where an electrical corporation ("EC") must file with the Office of Energy Infrastructure Safety ("Energy Safety") annual reports addressing compliance of approved Wildfire Mitigation Plans ("WMPs") and associated activities during the prior calendar year. BVES submits this annual report addressing its compliance with the WMPs during the 2024 calendar year.

If you have any questions or requests for additional information, please contact me at paul.marconi@bvesinc.com.

Sincerely,

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

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1. Background

The report is developed in accordance with the Office of Energy Infrastructure Safety (OEIS) Compliance Guidelines issued in September 2024, which, among other items, directs the development of an Annual Report on Compliance ("ARC").

BVES submitted its 2023-2025 Base WMP on May 8, 2023 and on November 6, 2023 OEIS approved Bear Valley's 2023-2025 Base WMP after revisions to the plan. As part of BVES's 2025 WMP Update, OEIS approved BVES's 2023-2025 Base WMP 2025 Revision 2 dated July 22, 2024 on October 21, 2024. This revision is the current version of BVES's 2023-2025 WMP.

Bear Valley's ARC report serves to comply with PUC §8386.3(c)(1) addressing annual compliance with the WMPs for the 2024 calendar year.

2. Description of the Bear Valley's progress towards achieving the summarized objectives for the three- and ten-year WMP plan cycles, as identified in its most recently approved WMP.

The table below provides a description of the progress Bear Valley achieved toward its 2023-2025 WMP summarized objectives for the three- and ten-year WMP plan cycles.

2023-2025 WMP Objective	Description of Progress Towards Achieving the Summarized Objective
Replace all sub-transmission (34.5 kV) overhead bare conductors with covered conductors.	In 2024, BVES installed 4.5 circuit miles of covered conductors under GD_1 on the sub -transmission system and installed 2.8 circuit miles of covered conductors under GD_2 on the sub-transmission system. In previous compliance years (2020-2023), BVES installed 16.3 circuit miles of covered conductors under GD_1 on the sub -transmission system. As of December 31, 2024, there remains 3.5 circuit miles of bare conductors in the sub-transmission system, which will be replaced with covered conductors in 2025 under GD_1. BVES is on track to complete this objective as planned.
Complete the Radford Line Replacement Project.	In November 2024, the Radford Line Replacement Project, which runs through High Fire Threat District Tier 3 in an area under the US Forest Service jurisdiction, was completed. The project involved completely replacing the Radford Line sub-transmission (34.5 kV) line with 2.84 circuit miles of covered conductors and replacing 83 poles. The remote location of the line with virtually no road access, required the extensive use of helicopters (approximately 350 flight hours) to bring in poles, equipment and workers. Pole holes had to be hand dug. When rocks were discovered, pneumatic equipment had to be flown in by helicopter.
Assess and remediate all sub-transmission (34 kV) poles.	As part of the Covered Conductor Replacement Project (GD_1) and the Radford Line Replacement Project (GD_2), sub-transmission poles are assessed and remediated (replaced or strengthened as applicable). In 2024, the GD_4 target was to replace 200 poles. BVES replaced 262 poles. In 2024, the GD_ 5 target was to replace 70 poles. BVES replaced 83 poles. In conjunction with GD_1, BVES will continue to assess and remediate poles in the remaining sections of sub-transmission lines. BVES is on track to complete this objective as planned.
Harden secondary evacuation routes in highest risk areas.	BVES has an annual target of hardening 500 wood poles by installing wire wrap mesh on the wood poles along secondary evacuation routes. In 2024, BVES hardened 1,095 wood poles under GD_6. As of December 31, 2024, BVES had installed the wire wrap mesh on 2,999 poles. BVES is on track to complete this objective as planned.
Remove all tree attachments from high-risk areas.	BVES has an annual target of removing 100 tree attachments per year during the period of this WMP to consider this objective achieved. In 2024, BVES removed

	104 tree attachments under GD_19. As of December 31, 2024, BVES had removed 862 tree attachments from its system and 345 remain. BVES is on track to complete this objective as planned.
On a priority basis, automate substations, switches, field devices, and fuse TripSavers and connect to SCADA.	BVES had the following annual automation targets for 2024: • Substation automation: Target was 3 substations/Actual automated was 3. • Switch and Field Device automation: Target was 10 switches/Actual automated was 10. • Fuse TripSaver automation: Target was 50 Fuse TripSavers/Actual automated was 27. • The remaining 23 Fuse TripSavers were automated by February 2025. In 2023, BVES achieved all automation targets as follows: • Substation automation: Target was 3 substations/Actual automated was 3. • Switch and Field Device automation: Target was 13 switches/Actual automated was 13. • Fuse TripSaver automation: Target was 10 Fuse TripSavers/Actual automated was 10. In 2024, BVES missed its annual Fuse TripSaver target by 23 Fuse TripSavers not being connected to SCADA due to connectivity issues. The Fuse TripSavers were installed and operational, but not connected to SCADA before the end of 2024. The connectivity issues were resolved in late 2024 and the 23 Fuse TripSavers were connected to SCADA as of February 2025. BVES believes the resolution of the connectivity issues will allow BVES to achieve its 2025 target of connecting 50 Fuse TripSavers to SCADA. BVES is on track to complete this objective as planned.
Replace capacitor banks and connect to SCADA.	BVES has an annual target of replacing and connecting to SCADA 6 capacitor banks per year during the period of this WMP to consider this objective achieved. In 2024, BVES replaced 6 capacitor banks and connected 4 capacitor banks to SCADA. The remaining 2 capacitor banks were connected to SCADA in January 2025. In 2023, BVES replaced and connected to SCADA 6 capacitor banks. In 2024, BVES missed its annual target by 2 capacitor banks not being connected to SCADA due to software communications issues and connectivity issues. The capacitor banks were replaced and operational, but not connected to SCADA before the end of 2024. The software and connectivity issues were resolved in late 2024 and the 2 capacitor banks were connected to SCADA in January 2025. BVES believes the resolution of the software and connectivity issues will allow BVES to achieve its 2025 target of replacing capacitor banks and connecting them to SCADA. BVES is on track to complete this objective.
Pursue development and execution of the Bear Valley Solar Energy Project.	An application (A.24-05-020) for approval of the project was filed with the CPUC on May 17, 2024. Additionally, in July 2024 BVES began the permitting process with the County of San Bernardino for the facility and in February 2025, BVES filed an Initial Study pursuant to San Bernardino County Guidelines under Ordinance 3040 and Section 15063 of the State California Environmental Quality Act (CEQA) Guidelines for a Conditional Use Permit to allow for the construction and operation of a 5-megawatt alternating current solar photovoltaic facility and a General Plan Amendment to rezone the Project site from Residential Single - 1 acre minimum to Rural Living or similar zone. In 2023, BVES negotiated an Engineering Procurement Contract with a qualified project developer.

Pursue development and execution of the Bear Valley Energy Storage Project.	On May 17, 2024, BVES filed an application (A.24-05-020) with the CPUC to gain authorization for the project. The project will fall under the permitting authority of the City of Big Bear Lake and its location is Parcel zoned C-5: Commercial-Industrial "Electricity Substation; Small Generation Plant" = Permitted Use. In 2023, BVES negotiated an Engineering Procurement Contract with a qualified project developer.
Upgrade highest risk substations.	During 2024, BVES placed equipment on order for the Partial Safety and Technical Upgrades to Maltby Substation and developed a Request for Proposal (RFP) for a contractor to perform the work. The RFP was issued in January 2025. BVES is on track to complete this objective.
Continue robust asset inspection routine of annual Detailed Inspections, Patrol Inspections, LiDAR surveys, UAV HD Photography & thermography, 3rd party Ground Patrols, intrusive pole testing, and substation inspections.	In 2024, BVES completed all asset inspections on target as follows: • Detailed Inspection per GO-165 (2024 target: 51 circuit miles/actual: 51 circuit miles) • Patrol Inspection per GO-165 (2024 target: 205 circuit miles/actual: 205 circuit miles) • UAV Thermography (2024 target: 205 circuit miles/actual: 205 circuit miles) • UAV HD Photography/Videography (2024 target: 205 circuit miles/actual: 205 circuit miles) • LiDAR Inspection (2024 target: 205 circuit miles/actual: 205 circuit miles) • 3rd Party Ground Patrol (2024 target: 205 circuit miles/actual: 205 circuit miles) • Intrusive Pole Inspection (2024 target: 850 wood poles/actual: 850 wood poles) • Substation inspections (2024 target: 144 substation inspections conducted/actual: 156 substation inspections conducted) BVES is on track to complete this objective.
Implement robust asset management and inspection enterprise system.	This objective was completed in 2023. In 2023, BVES implemented the iRestore system of asset management.
Improve quality assurance and quality control program on asset work and asset inspection.	This objective was completed in 2023. In 2023, BVES implemented QA/QC instructions for asset work and asset inspections.
Continue robust vegetation inspection routine of annual Detailed Inspections, Patrol Inspections, LiDAR surveys, UAV HD Photography & thermography, 3rd party Ground Patrols, intrusive pole testing, and substation inspections.	In 2024, BVES completed all vegetation management inspections on target as follows: • Detailed Inspection per GO-165 (2024 target: 51 circuit miles/actual: 51 circuit miles) • Patrol Inspection per GO-165 (2024 target: 205 circuit miles/actual: 205 circuit miles) • UAV HD Photography/Videography (2024 target: 205 circuit miles/actual: 205 circuit miles) • LiDAR Inspection (2024 target: 205 circuit miles/actual: 205 circuit miles) • 3rd Party Ground Patrol (2024 target: 205 circuit miles/actual: 205 circuit miles) • Substation inspections (2024 target: 144 substation inspections conducted/actual: 156 substation inspections conducted) BVES is on track to complete this objective.
Implement robust vegetation management and inspection enterprise system. Ensure all trees within the right-of-way are tracked in the data system.	This objective was completed in 2023. In 2023, BVES implemented the iRestore system of asset management.
Improve quality assurance and quality control program on vegetation	This objective was completed in 2023. In 2023, BVES implemented QA/QC instructions for vegetation management inspection and clearance work.

management inspection and clearance work.	
Develop and implement program to promote vegetation communities that are sustainable, fire-resilient, and compatible with the use of the land as an electrical corporation right-of-way.	BVES continuously works with the U.S. Forest Service, the City of Big Bear Lake, and the county of San Bernardino to clear vegetation and trees away from powerlines to create safe and resilient right-of-ways.
Complete online diagnostic pilot program and evaluate effectiveness.	In 2024, BVES installed the online diagnostic system on one circuit (Boulder Circuit). BVES had already installed the system on two circuits in 2023 and evaluated that the system is delivering valuable diagnostic information. The pilot portion of the objective was completed in December 2023. Additional installs are planned for 2025. BVES is on track to complete this objective.
Complete installation of fault indicators (FIs). Evaluate need for additional FIs.	Completed in 2023.
Evaluate need for additional weather stations.	In 2024, BVES evaluated that the current 20 weather stations provide satisfactory coverage (with overlap) of the BVES service area.
Evaluate need for additional HD Alert Cameras.	In 2024, BVES evaluated the HD ALERTCalifornia Cameras as providing satisfactory coverage of the BVES service area. BVES's partners (UCSD, Big Bear Fire Department, San Bernardino Fire Department, San Bernardino Office of Emergency Services, and CAL FIRE) did not indicate a need for further cameras.
Develop and implement Fire Potential Index.	FPI Model was delivered and trained in December 2023. Actual operational implementation of the FPI model began in January 2024.
Improve staff proficiency in utilizing advanced fire threat weather forecasting tools.	This was completed in 2023.
Improve staff training on emergency and disaster response plan through a combination of classroom instruction, table-top exercises, and functional drills.	In 2024, the EDRP was evaluated using the FEMA six step process as part of BVES's preparing its GO-166 annual report, which was filed to the CPUC on April 30, 2024. BVES conducted a Table Top Training Exercise on May 17, 2024 and a Full-scale Training Exercise on June 3, 2024. EDRP & PSPS Training was conducted on May 16, 2024.
Increase coordination with community stakeholders in emergency response.	BVES included community stakeholders on the Table Top Training Exercise conducted on May 17, 2024 and a Full-scale Training Exercise conducted on June 3, 2024. BVES conducted meetings with community stakeholders in the following venues: Big Bear Valley Mountain Mutual Aid Association Meetings, BVES Annual PSPS Planning Meeting and Workshop, and the BVES PSPS Working and Planning Group, Stakeholder Meeting.
Develop robust lines and layers of communications with stakeholders and customers.	BVES regularly updates and maintains its stakeholder contact list, conducting revisions quarterly and following its annual PSPS exercises. Customer data, particularly regarding AFN and medical baseline accounts, is updated daily as part of direct account management. Additionally, BVES collaborates with its safety partners to ensure access to the BVES Safety Portal, which contains essential system and customer details. BVES keeps an active list of media channels for sharing relevant updates with local outlets and consistently updates its website to provide critical information to customers. It also facilitates two-way communication through text messaging and IVR systems. To support rapid coordination with local first responders and share real-time field information, BVES developed the iRestore app. Furthermore, BVES participates in various community meetings throughout the year, including Mountain Mutual Aid sessions and close collaborations with local and state officials.

Integrate plan to restore service after an outage due to a wildfire or PSPS event.	BVES updated its Public Safety Power Shutoff Plan on June 10, 2024 incorporating lessons learned from the Full-scale and Table top Training Exercises it conducted. Restoration of services were included in the update to the procedures.
Establish strong programs, systems, and protocols to support residential and nonresidential customers in wildfire emergencies and PSPS events.	BVES conducts AFN identification outreach through various channels, including community-based and targeted efforts to encourage self-identification and raise awareness of resources. It actively collaborates across California, participates in the annual AFN council meeting, and maintains a webpage for 211 customer resources. BVES engages Community-Based Organizations throughout the year to provide PSPS preparedness information and fosters a direct communication line between its President and the City of Big Bear Lake's manager. Outreach efforts include promoting customer programs (CARE, ESA, MBL) and PSPS awareness via events, website updates, social media, bill inserts, targeted communications to multi-family housing, mobile parks, and multicultural media like radio, digital, and print ads. BVES prioritizes AFN resource communication, engaging customers year-round—especially during wildfire season—to educate on PSPS processes and preparation. It plans to improve accessibility with more Spanish language support and enhanced AFN resource visibility on its website.
Continue to deploy and improve public outreach and education awareness program(s) for wildfires; outages due to wildfires, PSPS events, and protective equipment and device settings; service restoration before, during, and after the incidents and vegetation management. Evaluate effectiveness of outreach efforts.	BVES participates in regional quarterly SCE PSPS meetings and various WMP-related events throughout the year, while also maintaining active engagement with the local community on wildfire-related matters.
Continue to improve program to understand, evaluate, design, and implement wildfire and PSPS risk mitigation strategies, policies, and procedures specific to AFN customers. Evaluate effectiveness of these efforts.	BVES conducts AFN identification outreach through various channels, including community-based and targeted efforts to encourage self-identification and raise awareness of resources. It actively collaborates across California, participates in the annual AFN council meeting, and maintains a webpage for 211 customer resources. BVES engages Community-Based Organizations throughout the year to provide PSPS preparedness information and fosters a direct communication line between its President and the City of Big Bear Lake's manager. Outreach efforts include promoting customer programs (CARE, ESA, MBL) and PSPS awareness via events, website updates, social media, bill inserts, targeted communications to multi-family housing, mobile parks, and multicultural media like radio, digital, and print ads. BVES prioritizes AFN resource communication, engaging customers year-round—especially during wildfire season—to educate on PSPS processes and preparation. It plans to improve accessibility with more Spanish language support and enhanced AFN resource visibility on its website.
Work with stakeholders to develop and integrate plans, programs, and policies for collaborating with communities on local wildfire mitigation planning, such as wildfire safety elements in general plans, community wildfire protection plans, and local multi-hazard mitigation plans. Evaluate effectiveness of these collaborative efforts.	Though no PSPS de-energization events occurred last year, BVES maintained readiness through tabletop and full-scale simulation exercises to test and refine protocols. Predictive models were continuously monitored and updated with weather data and fire indices, while updated PSPS procedures were issued. Simulations focused on scenario modeling and evaluating strategies such as circuit switching and isolated-grid activation, ensuring protocols are prepared for real events. BVES collaborated with public safety partners, municipal agencies, and stakeholders in annual de-energization planning, holding sessions in May and October 2024 to review scenarios and roles. Insights from these exercises led to updates in emergency procedures, communication flows, and additional training to improve response times and efficiency. Efforts emphasized a whole-community approach, engaging governments, CBOs, and vulnerable populations via diverse communication channels.

Continue to be proactive in sharing and integration of best practices and collaborating with other electrical corporations on technical and programmatic aspects of WMP programs.	BVES participates in regional quarterly SCE PSPS meetings and various WMP-related events throughout the year, while also maintaining active engagement with the local community on wildfire-related matters. Bear Valley is a member of Joint IOU Wildfire Program Management Group Meetings and regularly attends its monthly meetings. The group acts as a central hub for facilitating decision making, benchmarking, and the formulation of best practices across the IOUs related to wildfire mitigation work. The meeting includes sharing of best practices, discussion of issues and problems encountered with possible solutions, new technologies and approaches, and lessons learned. Besides providing invaluable content used in developing or refining WMP initiatives, the meetings establish strong working relationships among the IOUs such that IOUs can reach out to each other outside of the meeting venue on WMP issues.

3. Description of the Bear Valley's progress towards achieving the three- and ten-year detailed objectives listed in the tables in Section 8 of its WMP, including all subsections, with completion dates within the recently completed compliance period.

Attachment A provides a description of Bear Valley's progress towards achieving the three-year detailed objectives listed in the tables in Section 8 of its WMP, including all subsections, with completion dates within the recently completed compliance period, which is 2024 for this report.

Attachment B provides a description of Bear Valley's progress towards achieving the ten-year detailed objectives listed in the tables in Section 8 of its WMP, including all subsections, with completion dates within the recently completed compliance period, which is 2024 for this report.

4. Assessment of Bear Valley's completion of the three- and ten-year objectives listed in the tables in Section 8 of its WMP, including all subsections, with completion dates within the most recently completed compliance period.

Attachment A provides an assessment of the Bear Valley's completion of the three-year detailed objectives listed in the tables in Section 8 of its WMP, including all subsections, with completion dates within the recently completed compliance period, which is 2024 for this report.

Attachment B provides an assessment of the Bear Valley's completion of the three-year detailed objectives listed in the tables in Section 8 of its WMP, including all subsections, with completion dates within the recently completed compliance period, which is 2024 for this report.

5. Assessment of Bear Valley's completion of all targets identified for each initiative listed in the tables in Section 8 of its WMP, including all subsections, with target completion dates within the most recently completed compliance period.

Attachment C provides an assessment of the Bear Valley's completion of all targets identified for each initiative listed in the tables in Section 8 of its WMP, including all subsections, with target completion dates within the most recently completed compliance period, which is 2024.

6. A complete listing of all change orders requested by Bear Valley that were approved by Energy Safety.

BVES did not issue any change orders in the form of formal advice or notification letters and has not implemented any other operational changes to its WMP initiatives in 2024. BVES provided all initiative updates and new or discontinued programs as part of its 2025 WMP Update. These changes are reflected in the 2025 WMP Update and associated revision to the 2023-2025 Base WMP submission.

7. WMP Initiative Spend Review.

The descriptions of all planned WMP initiative spend vs actual WMP initiative spend along with an explanation of any differentials between the planned and actual spends that is more than 10% is detailed in Attachment D of this report.

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ATTACHMENT A:

2024 Progress and Assessment Report of the Three-year Detailed Objectives

Objectives (3-year plan) Objectives for Three Years	Applicable Initiative(s), Tracking ID(s)	Method of Verification (i.e., program)	WMP Completion Date	Reference (Section and Page Number)	Summary of Progress Made During 2024	Actual Completion Date	How completion was verified	Whether activities counting toward completion of the objective in a given compliance year were carried over from previous compliance years, and if so to what degree	For each objective that the electrical corporation failed to complete, a detailed explanation of what was incomplete, the reason the initiative was not completed, and associated corrective actions the electrical corporation has taken to prevent recurrence of such failures.	If the electrical corporation did not take corrective action to prevent recurrence of such failures, it must provide justification for such inaction.
Replace all sub-transmission (34.5 kV) overhead bare conductors with covered conductors	Covered Conductor Replacement Project, covered conductor installation GD_1 Radford Line Replacement Project, Covered conductor installation GD_2	Completion of planned targeted covered conductor each year through work orders and visual verification.	31-Dec-25	8.1.2.1; pg. 103	In 2024, BVES installed 4.5 circuit miles of covered conductors under GD_1 on the sub -transmission system and installed 2.8 circuit miles of covered conductors under GD_2 on the sub-transmission system. As of December 31, 2024, there remains 3.5 circuit miles of bare conductors in the sub-transmission system, which will be replaced with covered conductors in 2025 under GD_1. BVES is on track to complete this objective as planned.	Objective is not completed yet. Scheduled for completion by December 31, 2025.	The portions of the objective that have been completed to date were verified completed by visual inspection and audit of the work order.	In previous compliance years (2020-2023), BVES installed 16.3 circuit miles of covered conductors under GD_1 on the sub -transmission system. Planning and permitting was performed for GD_2 during the previous compliance years (2020-2023).	NA	NA
Assess and remediate all sub-transmission (34 kV) poles	Covered Conductor Replacement Project, covered conductor installation GD_4 Radford Line Replacement Project, Covered conductor installation GD_5	Completion of planned targeted covered conductor each year through work orders and visual verification.	31-Dec-25	8.1.2.2; pg. 104	As part of the Covered Conductor Replacement Project (GD_1) and the Radford Line Replacement Project (GD_2), sub-transmission poles are assessed and remediated (replaced or strengthened as applicable). In 2024, the GD_4 target was to replace 200 poles. BVES replaced 262 poles. In 2024, the GD_ 5 target was to replace 70 poles. BVES replaced 83 poles. In conjunction with GD_1, GD_4 will assess and remediate poles in the remaining sections of sub-transmission lines. BVES is on track to complete this objective as planned.	Objective is not completed yet. Scheduled for completion by December 31, 2025.	The portions of the objective that have been completed to date were verified completed by visual inspection and audit of the work order.	In previous compliance years (2020-2023), BVES installed 16.3 circuit miles of covered conductors under GD_1 on the sub -transmission system. Planning and permitting was performed for GD_2 during the previous compliance years (2020-2023). Poles in the sub-transmission system were assessed and remediated in conjunction with GD-1 being worked.	NA	NA
Harden secondary evacuation routes in highest risk areas	Evacuation Route Hardening Project, Distribution pole replacements and reinforcements, GD_6	Completion of planned targeted evacuation route hardening through work orders and visual verification.	31-Dec-25	8.1.2.3; pg. 105	BVES has an annual target of hardening 500 wood poles by installing wire wrap mesh on the wood poles along secondary evacuation routes. In 2024, BVES hardened 1,095 wood poles under GD_6. BVES is on track to complete this objective as planned.	Objective is not completed yet. Scheduled for completion by December 31, 2025.	The portions of the objective that have been completed to date were verified completed by visual inspection and audit of the work order.	In 2023, BVES hardened 909 wood poles exceeding its annual target of hardening 500 wood poles.	NA	NA
Remove all tree attachments from high-risk areas	Tree Attachment Removal Project, Other grid topology improvements to minimize risk of ignitions, GD_19	Completion of planned targeted tree attachments through work orders and sampled visual verification.	31-Dec-25	8.1.2.10; pg. 116	BVES has an annual target of removing 100 tree attachments per year during the period of this WMP to consider this objective achieved. In 2024, BVES removed 104 tree attachments under GD_19. BVES is on track to complete this objective as planned.	Objective is not completed yet. Scheduled for completion by December 31, 2025.	The portions of the objective that have been completed to date were verified completed by visual inspection and audit of the work order.	In 2023, BVES removed 114 tree attachments exceeding its annual target of 100 tree attachments.	NA	NA
On a priority basis, automate substations, switches, field devices, and fuse TripSavers and connect to SCADA	Substation Automation, Installation of system automation equipment, GD_12 Switch and Field Device Automation, Installation of system automation equipment, GD_13 Fuse TripSavers Automation, Installation of system automation equipment, GD_15	Completion of planned targeted projects through work orders, SCADA review.	31-Dec-25	8.1.2.8; pg. 110	BVES had the following annual automation targets for 2024: • Substation automation: Target was 3 substations/Actual automated was 3. • Switch and Field Device automation: Target was 10 switches/Actual automated was 10. • Fuse TripSaver automation: Target was 50 Fuse TripSavers/Actual automated was 27. The remaining 23 Fuse TripSavers were automated by February 2025. BVES is on track to complete this objective as planned.	Objective is not completed yet. Scheduled for completion by December 31, 2025.	The portions of the objective that have been completed to date were verified completed by visual inspection and audit of the work order.	In 2023, BVES achieved all automation targets as follows: • Substation automation: Target was 3 substations/Actual automated was 3. • Switch and Field Device automation: Target was 13 switches/Actual automated was 13. • Fuse TripSaver automation: Target was 10 Fuse TripSavers/Actual automated was 10.	In 2024, BVES missed its annual Fuse TripSaver target by 23 Fuse TripSavers not being connected to SCADA due to connectivity issues. The Fuse TripSavers were installed and operational, but not connected to SCADA before the end of 2024. The connectivity issues were resolved in late 2024 and the 23 Fuse TripSavers were connected to SCADA as of February 2025. BVES believes the resolution of the connectivity issues will allow BVES to achieve its 2025 target of connecting 50 Fuse TripSavers to SCADA.	NA
Replace Capacitor Banks and Connect to SCADA	Capacitor Bank Upgrade Project, Installation of system automation equipment, GD_14	Completion of planned targeted capacitor banks through work orders, SCADA review.	31-Dec-25	8.1.2.8; pg. 110	BVES has an annual target of replacing and connecting to SCADA 6 capacitor banks per year during the period of this WMP to consider this objective achieved. In 2024, BVES replaced 6 capacitor banks and connected 4 capacitor banks to SCADA. The remaining 2 capacitor banks were connected to SCADA in January 2025. BVES is on track to complete this objective.	Objective is not completed yet. Scheduled for completion by December 31, 2025.	The portions of the objective that have been completed to date were verified completed by visual inspection and audit of the work order.	In 2023, BVES replaced and connected to SCADA 6 capacitor banks.	In 2024, BVES missed its annual target by 2 capacitor banks not being connected to SCADA due to software communications issues and connectivity issues. The capacitor banks were replaced and operational, but not connected to SCADA before the end of 2024. The software and connectivity issues were resolved in late 2024 and the 2 capacitor banks were connected to SCADA in January 2025. BVES believes the resolution of the software and connectivity issues will allow BVES to achieve its 2025 target of replacing capacitor banks and connecting them to SCADA.	NA
Pursue development and execution of the Bear Valley Solar Energy Project	Bear Valley Solar Energy Project, Microgrids, GD_10	Work with suppliers and regulatory agencies to develop Solar Energy Project, verified via work orders, visual verification, and SCADA review.	31-Dec-25	8.1.2.7; pg. 109	An application (A.24-05-020) for approval of the project was filed with the CPUC on May 17, 2024. Additionally, in July 2024 BVES began the permitting process with the County of San Bernardino for the facility and in February 2025, BVES filed an Initial Study pursuant to San Bernardino County Guidelines under Ordinance 3040 and Section 15063 of the State California Environmental Quality Act (CEQA) Guidelines for a Conditional Use Permit to allow for the construction and operation of a 5-megawatt alternating current solar photovoltaic facility and a General Plan Amendment to rezone the Project site from Residential Single - 1 acre minimum to Rural Living or similar zone.	Objective is not completed yet. Scheduled for completion by December 31, 2025.	Objective is not completed yet. Scheduled for completion by December 31, 2025.	In 2023, BVES negotiated an Engineering Procurement Contract with a qualified project developer.	NA	NA
Pursue development and execution of the Energy Storage Project	Energy Storage Project, Microgrids, GD_11	Work with supplier and regulatory agencies to develop Energy Storage Project, verified via work orders, visual verification,	31-Dec-25	8.1.2.7; pg. 109	On May 17, 2024, BVES filed an application (A.24-05-020) with the CPUC to gain authorization for the project. The project will fall under the permitting authority of the City of Big Bear Lake and its location is Parcel zoned C-5: Commercial-Industrial "Electricity Substation; Small Generation Plant" = Permitted Use.	Objective is not completed yet. Scheduled for completion by December 31, 2025.	Objective is not completed yet. Scheduled for completion by December 31, 2025.	In 2023, BVES negotiated an Engineering Procurement Contract with a qualified project developer.	NA	NA

Upgrade highest risk substations	Partial Safety and Technical Upgrades to Maltby Substation, Other technologies and systems not listed above, GD_22	Completion of planned targeted substations through work orders, verified via work orders, visual verification, and SCADA review.	31-Dec-25	8.1.2.12; pg. 119 8.1.4.2; pg. 128	During 2024, BVES placed equipment on order for the Partial Safety and Technical Upgrades to Maltby Substation and developed a Request for Proposal (RFP) for a contractor to perform the work. The RFP was issued in January 2025.	Objective is not completed yet. Scheduled for completion by December 31, 2025.	Objective is not completed yet. Scheduled for completion by December 31, 2025.	NA	NA	NA
Continue robust asset inspection routine of annual Detailed Inspections, Patrol Inspections, LiDAR surveys, UAV HD Photography & Thermography, 3rd party Ground Patrols, Intrusive Pole Testing, and Substation Inspections	Asset inspections, GD-25, GD_26, GD_27, GD_28, GD_29, GD_30, GD_31, GD_32	Complete planned targeted inspections through work orders.	31-Dec-25	8.1.3.1 – 8.1.3.9; pg. 121-126	In 2024, BVES completed all asset inspections on target as follows: • Detailed Inspection per GO-165 (2024 target: 51 circuit miles/actual: 51 circuit miles) • Patrol Inspection per GO-165 (2024 target: 205 circuit miles/actual: 205 circuit miles) • UAV Thermography (2024 target: 205 circuit miles/actual: 205 circuit miles) • UAV HD Photography/Videography (2024 target: 205 circuit miles/actual: 205 circuit miles) • LiDAR Inspection (2024 target: 205 circuit miles/actual: 205 circuit miles) • 3rd Party Ground Patrol (2024 target: 205 circuit miles/actual: 205 circuit miles) • Intrusive Pole Inspection (2024 target: 850 wood poles/actual: 850 wood poles) • Substation inspections (2024 target: 144 substation inspections conducted/actual: 156 substation inspections conducted)	Objective is on going annual inspections. 2025 inspections are scheduled for completion by December 31, 2025.	Supervisory review of all inspection reports and results.	NA	NA	NA
Implement robust asset management and inspection enterprise system	Asset management and inspection enterprise system(s), GD_34	Provide asset management and inspection reports.	31-Dec-23	8.1.5; pg. 131-134	This objective was completed in 2023. In 2023, BVES implemented the iRestore system of asset management.	August 2025	Supervisory review of asset management system.	NA	NA	NA
Improve quality assurance and quality control program on asset work and asset inspection	Quality assurance/ quality control, GD-35	Provide quality assurance and quality control reports.	31-Dec-23	8.1.6; pg. 135-137	This objective was completed in 2023.This objective was completed in 2023. In 2023, BVES implemented QA/QC instructions for asset work and asset inspections.	December 2023	Supervisory review of quality assurance/control instructions.	NA	NA	NA
Maintain enhanced clearance specifications and evaluate effectiveness.	Pole clearing, VM_7Clearance, VM_9 Substation defensible space, VM_11	Detailed, Ground, Patrol, LiDAR, UAV Inspection Programs	31-Dec-25	8.2.3.1; pg. 201 8.2.3.3; pg. 202 8.2.3.5; pg. 206	In 2024, BVES exceeded its annual clearance target of clearing 72 circuit miles by clearing 99.5 circuit miles.	This is a 3-year objective with annual targets. Targets for 2023 and 2024 were achieved. Objective is not completed yet. Scheduled for completion by December 31, 2025.	The portions of the objective that have been completed to date were verified completed by visual inspection and audit of the contractors work orders and photographs.	NA	NA	NA
Continue to proactively remove/remediate high-risk species.	High-risk species, VM_12	Detailed, Ground, Patrol, LiDAR, UAV Inspection Programs	31-Dec-25	8.2.3.6; pg. 206	In 2024, BVES exceeded its annual tree removal/remediation target of 88 trees removed/remediated by removing/remediating 182 trees.	This is a 3-year objective with annual targets. Targets for 2023 and 2024 were achieved. Objective is not completed yet. Scheduled for completion by December 31, 2025.	The portions of the objective that have been completed to date were verified completed by visual inspection and audit of the contractors work orders and photographs.	NA	NA	NA
Continue robust vegetation inspection routine of annual Detailed Inspections, Patrol Inspections, LiDAR surveys, UAV HD Photography, 3rd party Ground Patrols, and Substation Inspections.	Vegetation inspections, VM-1, VM-2, VM-3, VM-4, VM-5, VM-6, VM-11	QA/QC Checks	31-Dec-25	8.2.2.1; pg. 195 8.2.2.2; pg. 196 8.2.2.3; pg. 197 8.2.2.4; pg. 198 8.2.2.5; pg. 198 8.2.2.6; pg. 199 8.2.3.5; pg. 206	In 2024, BVES completed all vegetation management inspections on target as follows: • Detailed Inspection per GO-165 (2024 target: 51 circuit miles/actual: 51 circuit miles) • Patrol Inspection per GO-165 (2024 target: 205 circuit miles/actual: 205 circuit miles) • UAV HD Photography/Videography (2024 target: 205 circuit miles/actual: 205 circuit miles) • LiDAR Inspection (2024 target: 205 circuit miles/actual: 205 circuit miles) • 3rd Party Ground Patrol (2024 target: 205 circuit miles/actual: 205 circuit miles) • Substation inspections (2024 target: 144 substation inspections conducted/actual: 156 substation inspections conducted)	Objective is on going annual inspections. 2025 inspections are scheduled for completion by December 31, 2025.	Supervisory review of all inspection reports and results.	NA	NA	NA
Implement robust vegetation management and inspection enterprise system. Ensure all trees within right-of-way tracked in data system.	Vegetation management enterprise system, VM_15	SME system audit	31-Dec-23	8.2.4; pg. 208	This objective was completed in 2023. In 2023, BVES implemented the iRestore system of asset management.	August 2023	Supervisor completes audits all inputs into enterprise system.	NA	NA	NA
Improve quality assurance and quality control program on vegetation management inspection and clearance work and asset inspection.	Quality assurance/quality control, VM_16	N/A	31-Dec-23	8.2.5; pg. 211	This objective was completed in 2023. In 2023, BVES implemented the iRestore system of asset management.	December 2023	Supervisory review of quality assurance/control instructions.	NA	NA	NA
Develop and implement program to promote vegetation communities that are sustainable, fire-resilient, and compatible with the use of the land as an electrical corporation right-of-way.	Fire-resilient rights-of-way, VM_13	N/A	31-Dec-25	8.2.3.7; pg. 207	In 2024 BVES completed work on a high risk right-of-way that is located in the only HFTD tier 3 location in BVES territory. BVES crews worked along side the U.S. Forest Service to complete a fire-resilient right-of-way.	October 2023	Supervisory review of work completed.	NA	NA	NA

Complete online diagnostic pilot program and evaluate effectiveness.	Grid monitoring systems, SAF_3	Completion of Pilot. Internal review of results	31-Dec-23	Section 8.1.2.8; pp. 135	In 2024, BVES installed the online diagnostic system on one circuits (Boulder Circuit). BVES had already installed the system on two circuits in 2023 and evaluated that the system is delivering valuable diagnostic information.	The pilot portion of the objective was completed in December 2023. Additional installs are planned for 2025.	Objective was verified completed by visual inspection and audit of the work order.	NA	NA	NA
Complete installation of fault indicators (FIs). Evaluate need for additional (Fis)	Grid monitoring systems, SAF_2	Close of work order. Internal review of cost-benefit	31-Dec-23	Section 8.3.3.3; pp. 237	Completed in 2023.	Q1 2023	Objective was verified completed by visual inspection and audit of the work order.	NA	NA	NA
Evaluate need for additional weather stations.	Environmental monitoring systems, SAF_1	N/A	31-Dec-25	Section 8.3.1; pp. 225	In 2024, BVES evaluated that the current 20 weather stations provide satisfactory coverage (with overlap) of the BVES service area.	Q4 2024	Objective was verified by supervisory review.	NA	NA	NA
Evaluate need for additional HD Alert Cameras.	Ignition detection systems, SAF_4	N/A	31-Dec-25	Section 8.3.1; pp. 225	In 2024, BVES evaluated the HD ALERTCalifornia Cameras as providing satisfactory coverage of the BVES service area. BVES's partners (UCSD, Big Bear Fire Department, San Bernardino Fire Department, San Bernardino Office of Emergency Services, and CAL FIRE) did not indicate a need for further cameras.	Objective is not completed yet. Scheduled for completion by December 31, 2025.	Objective was verified by supervisory review.	NA	NA	NA
Develop and implement Fire Potential Index.	Fire Potential Index, SAF_6	FPI Tool – Technosylva	31-Dec-23	6.4.3; pp. 76 8.3.6; pg.	FPI Model was delivered and trained in December 2023. Actual operational implementation of the FPI model began in January 2024.	Q1 2024	Objective was verified by supervisory review of implementation.	NA	FPI Model was implemented in January of 2024 due to late delivery of the model by BVES's contractor Technosylva. BVES now conducts frequent production model development meetings during projects involving model development.	NA
Improve staff proficiency in utilizing advanced fire threat weather forecasting tools.	Weather forecasting, SAF_5	Multiple Members of BVES team are able to proficiently use tool	31-Dec-23	7.2.1; pp. 248	This was completed in 2023.	Q3 2023	Objective was verified by supervisory review of implementation.	NA	NA	NA
Improve staff training on emergency and disaster response plan through a combination of classroom instruction, table-top exercises, and functional drills.	Emergency preparedness plan, EP_1	Evaluate EDRP through FEMA Six Step review process. Continue to conduct training, exercises and drills	31-Dec-25	8.4.2.1; pg. 268	In 2024, the EDRP was evaluated using the FEMA six step process as part of BVES's preparing its GO-166 annual report, which was filed to the CPUC on April 30, 2024. BVES conducted a Table Top Training Exercise on May 17, 2024 and a Full-scale Training Exercise on June 3, 2024. EDRP & PSPS Training was conducted on May 16, 2024.	This is an ongoing objective scheduled to be completed December 31, 2025.	This is an ongoing objective scheduled to be completed December 31, 2025. Completed actions are verified by management by reviewing training records.	NA	NA	NA
Increase coordination with community stakeholders in emergency response.	External collaboration and coordination, EP_2	Coordination meetings, exercises, and functional drills with community stakeholders	31-Dec-25	8.4.3.1; pg. 300	BVES included community stakeholders on the Table Top Training Exercise conducted on May 17, 2024 and a Full-scale Training Exercise conducted on June 3, 2024. BVES conducted meetings with community stakeholders in the following venues: Big Bear Valley Mountain Mutual Aid Association Meetings, BVES Annual PSPS Planning Meeting and Workshop, and the BVES PSPS Working and Planning Group, Stakeholder Meeting.	This is an ongoing objective scheduled to be completed December 31, 2025.	This is an ongoing objective scheduled to be completed December 31, 2025. Completed actions are verified by management by reviewing training records and documenting meeting occurrences.	NA	NA	NA
Develop robust lines and layers of communications with stakeholders and customers.	Public emergency communication strategy, EP_3	Coordination meetings, exercises, and functional drills with community stakeholders	31-Dec-25	8.4.4.2; pg. 337	BVES regularly updates and maintains its stakeholder contact list, conducting revisions quarterly and following its annual PSPS exercises. Customer data, particularly regarding AFN and medical baseline accounts, is updated daily as part of direct account management. Additionally, BVES collaborates with its safety partners to ensure access to the BVES Safety Portal, which contains essential system and customer details. BVES keeps an active list of media channels for sharing relevant updates with local outlets and consistently updates its website to provide critical information to customers. It also facilitates two-way communication through text messaging and IVR systems. To support rapid coordination with local first responders and share real-time field information, BVES developed the iRestore app. Furthermore, BVES participates in various community meetings throughout the year, including Mountain Mutual Aid sessions and close collaborations with local and state officials.	This is an ongoing objective.	This objective is ongoing, with completed actions confirmed through adherence to the Annual PSPS requirements, as well as through records of documented meetings and communications.	NA	NA	NA
Integrate plan to restore service after an outage due to a wildfire or PSPS event.	Preparedness and planning for service restoration, EP_4	Review plan to restore service after an outage due to a wildfire or PSPS event	31-Dec-25	8.4.5; pg. 339	BVES updated its Public Safety Power Shutoff Plan on June 10, 2024 incorporating lessons learned from the Full-scale and Table top Training Exercises it conducted. Restoration of services were included in the update to the procedures.	This is an ongoing objective scheduled to be completed December 31, 2025.	This is an ongoing objective scheduled to be completed December 31, 2025. Completed actions are verified by management by reviewing the PSPS Procedure document.	NA	NA	NA

Establish strong programs, systems, and protocols to support residential and non-residential customers in wildfire emergencies and PSPS events.	Customer support in wildfire and PSPS emergencies, EP_5	Coordination meetings, exercises, and functional drills with residential and non-residential customers	31-Dec-25	8.4.6; pg. 347	BVES actively collaborated with public safety partners in planning its annual de-energization exercises. Each year, local emergency services, municipal agencies, and other stakeholders were invited to participate in two organized planning sessions. Communication was conducted through emails, virtual conference calls, and follow-up meetings to ensure all parties were thoroughly informed about simulated scenarios, roles, and expectations. Furthermore, BVES has achieved substantial progress in strengthening evacuation routes and continues its efforts to integrate local energy resources, such as solar and battery solutions, to enhance resiliency and reliability.	This is an ongoing objective.	This objective is ongoing, with completed actions confirmed through adherence to the Annual PSPS requirements, as well as through records of documented meetings and communications.	NA	NA	NA
Continue to deploy and improve public outreach and education awareness program(s) for wildfires; outages due to wildfires, PSPS events, and protective equipment and device settings; service restoration before, during, and after the incidents and vegetation management. Evaluate effectiveness of outreach efforts.	Public outreach and education awareness program, COE_1	Evaluate effectiveness of outreach efforts and adjust outreach efforts based on evaluation results	31-Dec-25	8.5.2; pg. 344	BVES has completed its annual surveys assessing public awareness of wildfire preparedness and safety messaging, which targeted residential, business, and critical customers. The results show that BVES continues to be the primary source of wildfire preparedness information. Public awareness of wildfire safety messaging remains strong, with 75% of customers reporting they have encountered related communications. Notably, there has been a significant increase in awareness. Additionally, 78% of customers now correctly recognize PSPS as a proactive measure to shut off power during extreme wildfire conditions, and 85% have taken steps to prepare for wildfires. BVES remains dedicated to improving its outreach by emphasizing personal preparedness, including the importance of emergency readiness plans and kits. The organization is also focused on refining communication channel awareness within support teams to ensure consistent messaging about its wildfire mitigation efforts and PSPS procedures. Furthermore, BVES is enhancing its outreach to AFN customers and partnering with local organizations to provide cohesive messaging and support.	This is an ongoing objective scheduled to be completed December 31, 2025.	Annual survey through third-party vendors.	NA	NA	NA
Continue to improve program to understand, evaluate, design, and implement wildfire and PSPS risk mitigation strategies, policies, and procedures specific to AFN customers. Evaluate effectiveness of these efforts.	Engagement with access and Functional Needs Populations, COE_2	Evaluate effectiveness of efforts with AFN customers and adjust efforts based on evaluation results	31-Dec-25	8.5.3; pg. 348-350	BVES conducts AFN identification outreach through various channels, including community-based and targeted efforts to encourage self-identification and raise awareness of resources. It actively collaborates across California, participates in the annual AFN council meeting, and maintains a webpage for 211 customer resources. BVES engages Community-Based Organizations throughout the year to provide PSPS preparedness information and fosters a direct communication line between its President and the City of Big Bear Lake's manager. Outreach efforts include promoting customer programs (CARE, ESA, MBL) and PSPS awareness via events, website updates, social media, bill inserts, targeted communications to multi-family housing, mobile parks, and multicultural media like radio, digital, and print ads. BVES prioritizes AFN resource communication, engaging customers year-round—especially during wildfire season—to educate on PSPS processes and preparation. It plans to improve accessibility with more Spanish language support and enhanced AFN resource visibility on its website.	This is an ongoing objective scheduled to be completed December 31, 2025.	Annual AFN Plan update.	NA	NA	NA

Work with stakeholders to develop and integrate plans, programs, and/or policies for collaborating with communities on local wildfire mitigation planning, such as wildfire safety elements in general plans, community wildfire protection plans, and local multi-hazard mitigation plans. Evaluate effectiveness of these collaborative efforts.	Collaboration on local wildfire mitigation planning, COE_3	Evaluate effectiveness of collaborating with communities on local wildfire mitigation plans and adjust outreach efforts based on evaluation results	31-Dec-25	8.5.4; pg. 351	Though no PSPS de-energization events occurred last year, BVES maintained readiness through tabletop and full-scale simulation exercises to test and refine protocols. Predictive models were continuously monitored and updated with weather data and fire indices, while updated PSPS procedures were issued. Simulations focused on scenario modeling and evaluating strategies such as circuit switching and isolated-grid activation, ensuring protocols are prepared for real events. BVES collaborated with public safety partners, municipal agencies, and stakeholders in annual de-energization planning, holding sessions in May and October 2024 to review scenarios and roles. Insights from these exercises led to updates in emergency procedures, communication flows, and additional training to improve response times and efficiency. Efforts emphasized a whole-community approach, engaging governments, CBOs, and vulnerable populations via diverse communication channels.	This is an ongoing objective scheduled to be completed December 31, 2025.	Feedback from annual PSPS exercises and annual wildfire and PSPS survey results.	NA	NA	NA
Continue to be proactive in sharing and integration of best practices and collaborating with other electrical corporations on technical and programmatic aspects of WMP programs.	Best practice sharing with other utilities, COE_4	Attend electrical corporation workshops that share best practices of WMP programs	31-Dec-25	8.5.5; 353-356	BVES participates in regional quarterly SCE PSPS meetings and various WMP-related events throughout the year, while also maintaining active engagement with the local community on wildfire-related matters. Bear Valley is a member of Joint IOU Wildfire Program Management Group Meetings and regularly attends its monthly meetings. The group acts as a central hub for facilitating decision making, benchmarking, and the formulation of best practices across the IOUs related to wildfire mitigation work. The meeting includes sharing of best practices, discussion of issues and problems encountered with possible solutions, new technologies and approaches, and lessons learned. Besides providing invaluable content used in developing or refining WMP initiatives, the meetings establish strong working relationships among the IOUs such that IOUs can reach out to each other outside of the meeting venue on WMP issues.	This is an ongoing objective scheduled to be completed December 31, 2025.	Attendance records of various workshops.	NA	NA	NA

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ATTACHMENT B:

2024 Progress and Assessment Report of the Ten-year Detailed Objectives

Objectives for 10 Years (2026 - 2032)	Applicable Initiative(s), Tracking ID(s)	Method of Verification (i.e., program)	WMP Completion Date	Reference (Section and Page Number)	Summary of Progress Made During 2024	Actual Completion Date	How completion was verified	Whether activities counting toward completion of the objective in a given compliance year were carried over from previous compliance years, and if so to what degree	For each objective that the electrical corporation failed to complete, a detailed explanation of what was incomplete, the reason the initiative was not completed, and associated corrective actions the electrical corporation has taken to prevent recurrence of such failures.	If the electrical corporation did not take corrective action to prevent recurrence of such failures, it must provide justification for such inaction.
Replace all high and medium risk distribution (4 kV) overhead bare conductors with covered conductors	Covered Conductor Replacement Project, Covered conductor installation GD_1	Completion of planned targeted covered conductor each year through work orders, visual verification.	31-Dec-32	Section 8.1.2.1; pg.103	In 2024, BVES installed 8.8 circuit miles of covered conductors under GD_1 on the distribution system. As of December 31, 2024, has installed 43.9 circuit miles of covered conductors on the distribution system. BVES is on track to complete this objective as planned.	Objective is not completed yet. Scheduled for completion by December 31, 2032.	The portions of the objective that have been completed to date were verified completed by visual inspection and audit of the work order.	In previous compliance years (2020-2023), BVES installed 35.1 circuit miles of covered conductors under GD_1 on the distribution system.	NA	NA
Assess and remediate all high and medium risk distribution (4 kV) poles	Covered Conductor Replacement Project, Covered conductor installation GD_3	Completion of planned targeted covered conductor each year through work orders, visual verification.	31-Dec-32	Section 8.1.2.3; pg. 105	As part of the Covered Conductor Replacement Project (GD_1),distribution poles are assessed and remediated (replaced or strengthened as applicable). In 2024, the GD_4 target was to replace 200 poles. BVES replaced 262 poles. In conjunction with GD_1, GD_4 assess and remediate poles in the remaining sections of high and medium risk distribution lines. BVES is on track to complete this objective as planned.	Objective is not completed yet. Scheduled for completion by December 31, 2032.	The portions of the objective that have been completed to date were verified completed by visual inspection and audit of the work order.	In previous compliance years (2020-2023), BVES installed 35.1 circuit miles of covered conductors under GD_1 on the distribution system. Poles in the distribution system were assessed and remediated in conjunction with GD-1 being worked.	NA	NA
Harden secondary evacuation routes	Evacuation Route Hardening Project, Distribution pole replacements and reinforcements, GD_6	Planned targeted evacuation route hardening through work orders, visual verification.	31-Dec-32	Section 8.1.2.3; pg. 105	BVES has an annual target of hardening 500 wood poles by installing wire wrap mesh on the wood poles along secondary evacuation routes. In 2024, BVES hardened 1,095 wood poles under GD_6. BVES is on track to complete this objective as planned.	Objective is not completed yet. The 10-year objective is scheduled for completion by December 31, 2032.	The portions of the objective that have been completed to date were verified completed by visual inspection and audit of the work order.	In 2023, BVES hardened 907 wood poles exceeding its annual target of hardening 500 wood poles.	NA	NA
Remove all tree attachments from distribution system	Tree Attachment Removal Project, Other grid topology improvements to minimize risk of ignitions, GD_19	Completion of planned targeted tree attachments through work orders, visual verification.	31-Dec-32	8.1.2.10; pg. 116	BVES has an annual target of removing 100 tree attachments per year during the period of this WMP to consider this objective achieved. In 2024, BVES removed 104 tree attachments under GD_19. BVES is on track to complete this objective as planned.	Objective is not completed yet. The 10-year objective is scheduled for completion by December 31, 2028 at the current rate of removals.	The portions of the objective that have been completed to date were verified completed by visual inspection and audit of the work order.	In 2023, BVES removed 114 tree attachments exceeding its annual target of 100 tree attachments.	NA	NA
Automate remaining substations, switches, field devices, and fuse TripSavers and connect to SCADA	Substation Automation, Installation of system automation equipment, GD_12 Switch and Field Device Automation, Installation of system automation equipment, GD_13 Fuse TripSavers Automation, Installation of system automation equipment, GD_15	Completion of planned targeted substations through work orders, SCADA review.	31-Dec-32	8.1.2.8; pg. 110	BVES had the following annual automation targets for 2024: • Substation automation: Target was 3 substations/Actual automated was 3. • Switch and Field Device automation: Target was 10 switches/Actual automated was 10. • Fuse TripSaver automation: Target was 50 Fuse TripSavers/Actual automated was 27. The remaining 23 Fuse TripSavers were automated by February 2025. BVES is on track to complete this objective as planned.	Objective is not completed yet. Substations will be completed by December 31, 2026. Switches and Field Devices and Fuse TripSavers are scheduled for completion by December 31, 2032.	The portions of the objective that have been completed to date were verified completed by visual inspection and audit of the work order.	In 2023, BVES achieved all automation targets as follows: • Substation automation: Target was 3 substations/Actual automated was 3. • Switch and Field Device automation: Target was 13 switches/Actual automated was 13. • Fuse TripSaver automation: Target was 10 Fuse TripSavers/Actual automated was 10.	In 2024, BVES missed its annual Fuse TripSaver target by 23 Fuse TripSavers not being connected to SCADA due to connectivity issues. The Fuse TripSavers were installed and operational, but not connected to SCADA before the end of 2024. The connectivity issues were resolved in late 2024 and the 23 Fuse TripSavers were connected to SCADA as of February 2025. BVES believes the resolution of the connectivity issues will allow BVES to achieve its 2025 target of connecting 50 Fuse TripSavers to SCADA.	NA
Replace remaining Capacitor Banks and Connect to SCADA	Capacitor Bank Upgrade Project, Installation of system automation equipment, GD_14	Completion of planned targeted capacitor banks through work orders, SCADA review.	31-Dec-32	8.1.2.8; pg. 110	BVES has an annual target of replacing and connecting to SCADA 6 capacitor banks per year during the period of this WMP to consider this objective achieved. In 2024, BVES replaced 6 capacitor banks and connected 4 capacitor banks to SCADA. The remaining 2 capacitor banks were connected to SCADA in January 2025. BVES is on track to complete this objective.	Objective is not completed yet. The 10-year objective is scheduled for completion by December 31, 2026 at the current annual target rate.	The portions of the objective that have been completed to date were verified completed by visual inspection and audit of the work order.	In 2023, BVES replaced and connected to SCADA 6 capacitor banks.	In 2024, BVES missed its annual target by 2 capacitor banks not being connected to SCADA due to software communications issues and connectivity issues. The capacitor banks were replaced and operational, but not connected to SCADA before the end of 2024. The software and connectivity issues were resolved in late 2024 and the 2 capacitor banks were connected to SCADA in January 2025. BVES believes the resolution of the software and connectivity issues will allow BVES to achieve its 2025 target of replacing capacitor banks and connecting them to SCADA.	NA
Pursue other renewable generating facility opportunities	Microgrids, GD_10	Meeting minutes, planning documents, as applicable.	31-Dec-32	8.1.2.7; pg. 109	An application (A.24-05-020) was filed with the CPUC on May 17, 2024. Additionally, in July 2024 BVES began the permitting process with the County of San Bernardino for the facility and in February 2025, BVES filed an Initial Study pursuant to San Bernardino County Guidelines under Ordinance 3040 and Section 15063 of the State California Environmental Quality Act (CEQA) Guidelines for a Conditional Use Permit to allow for the construction and operation of a 5-megawatt alternating current solar photovoltaic facility and a General Plan Amendment to rezone the Project site from Residential Single - 1 acre minimum to Rural Living or similar zone.	Objective is not completed yet. The 10-year objective is scheduled for completion by December 31, 2032.	Objective is not completed yet. The 10-year objective is scheduled for completion by December 31, 2032.	Once the project under application (A.24-05-020) is completed, BVES will pursue other solar initiatives.	NA	NA
Pursue other energy storage project opportunities	Microgrids, GD_11	Meeting minutes, planning documents, as applicable.	31-Dec-32	8.1.2.7; pg. 109	On May 17, 2024, BVES filed an application (A.24-05-020) with the CPUC to gain authorization for the project. The project will fall under the permitting authority of the City of Big Bear Lake and its location is Parcel zoned C-5: Commercial-Industrial “Electricity Substation; Small Generation Plant” = Permitted Use.	Objective is not completed yet. The 10-year objective is scheduled for completion by December 31, 2032.	Objective is not completed yet. The 10-year objective is scheduled for completion by December 31, 2032.	Once the project under application (A.24-05-020) is completed, BVES will pursue other energy storage initiatives.	NA	NA

Assess emerging technologies aimed at early detection of asset degradation, wire down detection, and other ignition prevention/mitigation technologies	Emerging grid hardening technology installations and pilots, GD_9	Assess technologies with vendors and other IOUs to determine if a pilot project is needed.	31-Dec-32	8.1.2.6; pg. 109	In 2024, BVES participated thin the following venues to assess new emerging technologies aimed at early detection of asset degradation, wire down detection, and other ignition prevention/mitigation technologies: • BVES became a regular participant at the Joint IOU Wildfire Program Management Meetings: Bear Valley is a member of this group and regularly attends its monthly meetings. The group acts as a central hub for facilitating decision making, benchmarking, and the formulation of best practices across the IOUs related to wildfire mitigation work. The meeting includes sharing of best practices, discussion of issues and problems encountered with possible solutions, new technologies and approaches, and lessons learned. • Other Venues for learning attended in 2024: IEEE PES T&D Conference 2024, Power Delivery Design Conference (PDDC), DistribuTech 2024, and EUCI 2024 Wildfire Mitigation for Utilities Conference.	Objective is not completed yet. The 10-year objective is scheduled for completion by December 31, 2032.	Objective is ongoing. Supervisory review of participation in opportunities to learn about emerging technologies.	NA	NA	NA
Assess other emerging sub-transmission and distribution inspection techniques	Asset inspections, GD-25, GD_26, GD_27, GD_28, GD_29, GD_30, GD_31, GD_32	Assess distribution inspection technologies with vendors and other IOU to determine if new inspections are added	31-Dec-32	8.1.3.1-8.1.3.9; pg. 121-126	In 2024, BVES participated thin the following venues to assess other emerging sub-transmission and distribution inspection techniques: • BVES became a regular participant at the Joint IOU Wildfire Program Management Meetings: Bear Valley is a member of this group and regularly attends its monthly meetings. The group acts as a central hub for facilitating decision making, benchmarking, and the formulation of best practices across the IOUs related to wildfire mitigation work. The meeting includes sharing of best practices, discussion of issues and problems encountered with possible solutions, new technologies and approaches, and lessons learned. • Other Venues for learning attended in 2024: IEEE PES T&D Conference 2024, Power Delivery Design Conference (PDDC), DistribuTech 2024, and EUCI 2024 Wildfire Mitigation for Utilities Conference.	Objective is not completed yet. The 10-year objective is scheduled for completion by December 31, 2032.	Objective is ongoing. Supervisory review of participation in opportunities to learn about emerging technologies.	NA	NA	NA
Continue to conduct program to promote vegetation communities that are sustainable, fire-resilient, and compatible with the use of the land as an electrical corporation right-of-way	Fire-resilient rights-of-way, VM_13	Continue providing information and meeting with the community to promote sustainable and fire-resilient land	31-Dec-32	8.2.3.7; pg. 207	BVES continuously works with the U.S. Forest Service, the City of Big Bear Lake, and the county of San Bernardino to clear vegetation and trees away from powerlines to create safe and resilient right-of-ways.	Objective is not completed yet. The 10-year objective is scheduled for completion by December 31, 2032.	Objective is ongoing. Supervisory review of work completed.	NA	NA	NA
Evolve vegetation inspection cycles to be risk-based	Vegetation inspections, VM-1, VM-2, VM-3, VM-4, VM-5, VM-6, VM-11	Evaluate risk-based evaluation cycles using information from Detailed, Ground Patrol, LiDAR and UAV Inspection programs	31-Dec-32	8.2.2.1; pg. 195 8.2.2.2; pg. 196 8.2.2.3; pg. 197 8.2.2.4; pg. 198 8.2.2.5; pg. 198 8.2.2.6; pg. 199 8.2.3.5; pg. 206	BVES has developed a risk based inspection program for Detailed and Patrol Inspections, which will be implemented in 2026 and will utilized FireSight (Technosylva model) results to prioritize inspections.	Objective is not completed yet. The 10-year objective is scheduled for completion by December 31, 2032.	Objective is ongoing. Supervisory review of inspection scheduling.	NA	NA	NA
Evolve vegetation clearance cycles to be risk-based	Pole clearing, VM_7 Clearance, VM_9 Substation defensible space, VM_11	Evaluate risk-based vegetation clearance cycles from Detailed, Ground, Patrol, LiDAR, UAV Inspection Programs	31-Dec-32	8.2.3.1; pg. 201 8.2.3.3; pg. 203 8.2.3.5; pg. 206	In 2024, BVES conducted satellite vegetation inspection (AiDash). This inspection provides risk based recommended clearance areas. BVES is integrating this risk based scheduling into its clearance process. By using AiDash, FireSight results and having vegetation pre-inspections, BVES has a risk based scheduling process.	Objective is not completed yet. The 10-year objective is scheduled for completion by December 31, 2032.	Objective is ongoing. Supervisory review of clearance scheduling.	NA	NA	NA
Evaluate effectiveness of installing cameras, infrared detectors, LiDAR instruments, and other technologies on overhead assets to provide remote monitoring.	Grid monitoring systems SAF_2, Ignition detection systems SAF_4	Meeting minutes discussing the installation, cost-benefit discussion and review of tracking metrics	31-Dec-32	7.2.1; pp. 248	In 2024, BVES implemented a pilot program to install two (2) HD cameras with AI sensor technology that continuously monitor the pole and associated line in partnership with Green Grid Inc. The iSIU system provides continuously automated monitoring of asset physical condition as well as ignition monitoring. BVES will continue to evaluate this technology as well as other sensor technologies.	Objective is not completed yet. The 10-year objective is scheduled for completion by December 31, 2032.	NA	NA	NA	NA
Integrate emergency response plan with stakeholder emergency response plans	Emergency preparedness plan, EP_1 External collaboration and coordination, EP_2	Provide an updated plan which integrates the emergency response plan with the stakeholders, emergency response plan	31-Dec-32	8.4.2.1; pg. 268 8.4.3.1; pg. 300	In 2024, the EDRP was evaluated using the FEMA six step process as part of BVES's preparing its GO-166 annual report, which was filed to the CPUC on April 30, 2024. BVES briefed community stakeholders at the Mountain Mutual Aid Association on its EDRP and PSPS Procedures on June 10, 2024 along with a Q&A for the attendees.	This is an ongoing objective scheduled to be completed December 31, 2032.	This is an ongoing objective scheduled to be completed December 31, 2032. Completed actions are verified by management by reviewing meeting records.	NA	NA	NA

Evaluate increased use of social media and technology to improve and streamline communications with stakeholders and customers.	Public emergency communication strategy, EP_3	Evaluate the increased use of social media and modify use of social media based on findings	31-Dec-32	8.4.4.2; pg. 337	BVES engages a professional public relations firm to develop and manage its social media presence across multiple platforms. The public messaging covers topics such as WMP and PSPS-related updates, essential emergency preparedness information, safety tips, tree trimming details, weather forecasts, CARE, ESA, and AFN program details, community initiatives and updates, pollution awareness, solar and battery resources, and monitors key stakeholder and community websites, among other subjects.	This is an ongoing objective.	This objective is ongoing, with completed actions being confirmed through managerial oversight of both the content and its schedule.	NA	NA	NA
Implement social media and other effective platforms to increase public outreach and education awareness program(s) for wildfires; outages due to wildfires, PSPS events, and protective equipment and device settings; service restoration before, during, and after the incidents and vegetation management. Evaluate effectiveness of these outreach efforts.	Public outreach and education awareness program, COE_1	Evaluate effectiveness of increased public outreach and education awareness program(s) and adjust outreach efforts based on evaluation results	31-Dec-25	8.5.2; pg. 344	BVES is dedicated to improving outreach and communication across support teams to ensure awareness of its wildfire mitigation efforts and PSPS procedures. A professional public relations firm manages its multi-platform social media presence, sharing updates on WMP, PSPS, emergency preparedness, safety tips, tree trimming, weather, CARE, ESA, and AFN programs, community initiatives, pollution awareness, solar and battery resources, and more, while monitoring key stakeholder and community websites.	This is an ongoing objective scheduled to be completed December 31, 2032.	Effectiveness of its efforts is tracked through website and social media KPIs, feedback from annual training exercises and post-events. This objective is ongoing, with completed actions being confirmed through managerial oversight of both the content and its schedule.	NA	NA	NA
Establish streamlined routine for sharing lessons learned and best practices among peers.	Best practice sharing with other utilities, COE_4	Attend electrical corporation workshops that share best practices	31-Dec-25	8.5.5; pg. 353-356	In 2024, BVES became a regular participant at the Joint IOU Wildfire Program Management Meetings: Bear Valley is a member of this group and regularly attends its monthly meetings. The group acts as a central hub for facilitating decision making, benchmarking, and the formulation of best practices across the IOUs related to wildfire mitigation work. The meeting includes sharing of best practices, discussion of issues and problems encountered with possible solutions, new technologies and approaches, and lessons learned.	This is an ongoing objective scheduled to be completed December 31, 2032.	This is an ongoing objective scheduled to be completed December 31, 2032. Completed actions are verified by management by reviewing meeting records.	NA	NA	NA

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ATTACHMENT C:
2024 Assessment Report of WMP Initiative Targets

Utility Initiative	Utility Tracking ID	Target Units	Annual Target	Planned Completion Date	Actual Progress	Date Achieved	Method of Verification Used	Assessment of Completing Target	Whether activities counting toward completion of the objective in a given compliance year were carried over from previous compliance years, and if so to what degree	For each objective that the electrical corporation failed to complete, a detailed explanation of what was incomplete, the reason the initiative was not completed, and associated corrective actions the electrical corporation has taken to prevent recurrence	If the electrical corporation did not take corrective action to prevent recurrence of such failures, it must provide justification for such inaction.	Assessment of Risk Reduction	Assessment of QA/QC component
Public outreach and education awareness program	COE_1	Number of Public Outreach and Education Events	360	Year-end	1,013	Q4	Supervisory review of outreach program.	Achieved	NA	NA	NA	NA	NA
Engagement with access and functional needs populations	COE_2	AFN Customer Needs Verificatio	12	Year-end	26	Q4	Supervisory review of AFN program.	Achieved	NA	NA	NA	NA	NA
Best practice sharing with other utilities	COE_4	Working Groups, Conferences	15	Year-end	135	Q4	Management review of working groups and conferences attended.	Achieved	NA	NA	NA	NA	NA
Covered Conductor Replacement Project	GD_1	Circuit Miles of Line Replaced	12.90	Year-end	13.32	Q4	Verified completed by visual inspection and audit of the work order.	Achieved	NA	NA	NA	Risk Reduction Achieved	QA/QC was effective
Substation Automation	GD_12	Number of Substations Automated and Connected to SCADA	3	Year-end	3	Q4	Verified completed by visual inspection and audit of the work order.	Achieved	NA	NA	NA	Risk Reduction Achieved	QA/QC was effective
Switch and Field Device Automation	GD_13	Number of Field Switches Automated and Connected to SCADA	10	Year-end	10	Q4	Verified completed by visual inspection and audit of the work order.	Achieved	NA	NA	NA	Risk Reduction Achieved	QA/QC was effective
Capacitor Bank Upgrade Project	GD_14	Number of Capacitor Banks Replaced and Connected to SCADA	6	Q3	4	Q1 2025	Verified completed by visual inspection and audit of the work order.	Missed	In 2024, BVES missed its annual target by 2 capacitor banks not being connected to SCADA due to software communications issues and connectivity issues. The capacitor banks were replaced and operational, but not connected to SCADA before the end of 2024. The software and connectivity issues were resolved in late 2024 and the 2 capacitor banks were connected to SCADA in January 2025. BVES believes the resolution of the software and connectivity issues will allow BVES to achieve its 2025 target of replacing capacitor banks and connecting them to SCADA.	NA	NA	67% of the intended risk reduction was achieved in 2024. 100% of intended risk reduction was achieved in Q1 2025.	QA/QC was effective
Fuse TripSaver Automation	GD_15	Number of Fuse TripSavers Automated and Connected to SCADA	50	Year-end	27	Q1 2025	Verified completed by visual inspection and audit of the work order.	Missed	In 2024, BVES missed its annual Fuse TripSaver target by 23 Fuse TripSavers not being connected to SCADA due to connectivity issues. The Fuse TripSavers were installed and operational, but not connected to SCADA before the end of 2024. The connectivity issues were resolved in late 2024 and the 23 Fuse TripSavers were connected to SCADA as of February 2025. BVES believes the resolution of the connectivity issues will allow BVES to achieve its 2025 target of connecting 50 Fuse TripSavers to SCADA.	NA	NA	54% of the intended risk reduction was achieved in 2024. 100% of intended risk reduction was achieved in Q1 2025.	QA/QC was effective
Tree Attachment Removal Project	GD_19	Number of Tree Attachments Removed	100	Year-end	104	Q3	Verified completed by visual inspection and audit of the work order.	Achieved	NA	NA	NA	Risk Reduction Achieved	QA/QC was effective
Radford Line Replacement Project	GD_2	Circuit Miles of Line Replaced	2.7	Year-end	2.8	Q4	Verified completed by visual inspection and audit of the work order.	Achieved	NA	NA	NA	Risk Reduction Achieved	QA/QC was effective
Detailed Inspections	GD_25	Circuit Miles Inspected	51.0	Year-end	51.0	Q4	Supervisory review of all inspection reports and results.	Achieved	NA	NA	NA	Risk Reduction Achieved	QA/QC was effective
Patrol Inspections	GD_26	Circuit Miles Inspected	205.0	Year-end	205.0	Q4	Supervisory review of all inspection reports and results.	Achieved	NA	NA	NA	Risk Reduction Achieved	QA/QC was effective
UAV Thermography	GD_27	Circuit Miles Inspected	205.0	Q3	205.0	Q3	Supervisory review of all inspection reports and results.	Achieved	NA	NA	NA	Risk Reduction Achieved	QA/QC was effective
UAV HD Photography/Videography	GD_28	Circuit Miles Inspected	205.0	Q3	205.0	Q3	Supervisory review of all inspection reports and results.	Achieved	NA	NA	NA	Risk Reduction Achieved	QA/QC was effective
LiDAR Inspection	GD_29	Circuit Miles Inspected	205.0	Q3	205.0	Q3	Supervisory review of all inspection reports and results.	Achieved	NA	NA	NA	Risk Reduction Achieved	QA/QC was effective
3rd Party Ground Patrol	GD_30	Circuit Miles Inspected	205.0	Q3	205.0	Q3	Supervisory review of all inspection reports and results.	Achieved	NA	NA	NA	Risk Reduction Achieved	QA/QC was effective
Intrusive Pole Inspections	GD_31	Number of Poles Intrusively Inspected	850	Q2	850	Q3	Supervisory review of all inspection reports and results.	Achieved	NA	NA	NA	Risk Reduction Achieved	QA/QC was effective
Substation inspections	GD_32	Number of Substations Inspected	144	Year-end	156	Q4	Supervisory review of all inspection reports and results.	Achieved	NA	NA	NA	Risk Reduction Achieved	QA/QC was effective
Asset Quality assurance / quality control	GD_35	Number of Asset QCs on WMP Work	20	Year-end	20	Q4	Supervisory review of completed QCs.	Achieved	NA	NA	NA	NA	QA/QC was effective

Covered Conductor Replacement Project	GD_4	Number of Poles Replaced	200	Year-end	262	Q4	Verified completed by visual inspection and audit of the work order.	Achieved	NA	NA	NA	Risk Reduction Achieved	QA/QC was effective
Radford Line Replacement Project	GD_5	Number of Poles Replaced	70	Year-end	83	Q4	Verified completed by visual inspection and audit of the work order.	Achieved	NA	NA	NA	Risk Reduction Achieved	QA/QC was effective
Evacuation Route Hardening Project	GD_6	Number of Poles that had Wire Mesh Installed on them.	500	Year-end	1,095	Q3	Verified completed by visual inspection and audit of the work order.	Achieved	NA	NA	NA	Risk Reduction Achieved	QA/QC was effective
Install Fault Indicators	SAF_2	Number of Fis installed.	30	Q3	30	Q4	Verified completed by visual inspection and audit of the work order.	Achieved late	NA	NA	NA	Risk Reduction Achieved	QA/QC was effective
Online Diagnostic System	SAF_3	Number of circuits installed on per year.	1	Q3	1	Q4	Verified completed by visual inspection and audit of the work order.	Achieved late	NA	NA	NA	Risk Reduction Achieved	QA/QC was effective
Detailed Inspections	VM_1	Circuit Miles Inspected	51.0	Year-end	51.0	Q4	Supervisory review of all inspection reports and results.	Achieved	NA	NA	NA	Risk Reduction Achieved	QA/QC was effective
Fall-in mitigation	VM_10	Number of trees remediated or removed to prevent fall-in	88	Year-end	182	Q4	Verification of completed work by visual inspection and audit of the contractors work orders and photographs.	Achieved	NA	NA	NA	Risk Reduction Achieved	QA/QC was effective
Substation defensible space	VM_11	Substations inspected and cleared	13	Q3	13	Q3	Verification of completed work by visual inspection.	Achieved	NA	NA	NA	Risk Reduction Achieved	QA/QC was effective
Vegetation Management Quality assurance / quality control	VM_16	Number of Vegetation Management Audits	5	Year-end	5	Q4	Management review of completed audits.	Achieved	NA	NA	NA	NA	QA/QC was effective
Patrol Inspections	VM_2	Circuit Miles Inspected	205.0	Year-end	205.0	Q4	Supervisory review of all inspection reports and results.	Achieved	NA	NA	NA	Risk Reduction Achieved	QA/QC was effective
UAV HD Photography/Videography	VM_3	Circuit Miles Inspected	205.0	Q3	205.0	Q3	Supervisory review of all inspection reports and results.	Achieved	NA	NA	NA	Risk Reduction Achieved	QA/QC was effective
LiDAR Inspection	VM_4	Circuit Miles Inspected	205.0	Q3	205.0	Q3	Supervisory review of all inspection reports and results.	Achieved	NA	NA	NA	Risk Reduction Achieved	QA/QC was effective
3rd Party Ground Patrol	VM_5	Circuit Miles Inspected	205.0	Q3	205.0	Q3	Supervisory review of all inspection reports and results.	Achieved	NA	NA	NA	Risk Reduction Achieved	QA/QC was effective
Substation inspections	VM_6	Number of Substations Inspected	144	Year-end	156	Q4	Supervisory review of all inspection reports and results.	Achieved	NA	NA	NA	Risk Reduction Achieved	QA/QC was effective
Clearance	VM_9	Circuit Miles Cleared	72	Year-end	100	Q4	Verification of completed work by visual inspection and audit of the contractors work orders and photographs.	Achieved	NA	NA	NA	Risk Reduction Achieved	QA/QC was effective

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ATTACHMENT D:
2024 WMP Initiative Budget and Actual Spend Review

Utility Initiative Tracking ID	Utility Initiative Name	2024 Forecast CAPEX ($000)	2024 Forecast OPEX ($000)	2024 Actuals CAPEX ($000)	2024 Actuals OPEX ($000)	CAPEX ($000) Variance Overrun / (Underrun)	CAPEX (%) Variance Overrun / (Underrun)	OPEX ($000) Variance Overrun / (Underrun)	OPEX (%) Variance Overrun / (Underrun)	Variance Drivers (Results +/- 10%)
COE_1	Public outreach and education awareness program	$0.0	$92.7	$0.0	$148.3	$0.0	NA	$55.6	60.0%	OPEX overrun. Higher than estimated costs of advertising and contracted public relations services drove this cost higher than forecasted.
COE_2	Engagement with access and functional needs populations	$0.0	$30.9	$0.0	$59.9	$0.0	NA	$29.0	93.8%	OPEX overrun. Higher than estimated costs of advertising and contracted public relations services drove this cost higher than forecasted.
COE_3	Collaboration on local wildfire mitigation planning	$0.0	$23.3	$0.0	$31.3	$0.0	NA	$8.0	34.3%	OPEX overrun. Costs were higher than estimated to due more labor hours dedicated to this effort. This budget item is small ($23.3 thousand); therefore, it does not take much expense to significantly cause a cost variance.
COE_4	Best practice sharing with other utilities	$0.0	$15.2	$0.0	$16.6	$0.0	NA	$1.3	8.7%	Less than 10% variance.
EP_1	Emergency preparedness plan	$0.0	$4.8	$0.0	$5.2	$0.0	NA	$0.4	8.7%	Less than 10% variance.
EP_2	External collaboration and coordination	$0.0	$22.0	$0.0	$31.6	$0.0	NA	$9.6	43.4%	OPEX overrun. Costs for attending Joint IOU workshops and wildfire mitigation related conferences were higher than estimated. This budget item is small ($22 thousand); therefore, it does not take much expense to significantly cause a cost variance.
EP_3	Public emergency communication strategy	$0.0	$4.3	$0.0	$4.7	$0.0	NA	$0.4	8.7%	Less than 10% variance.
EP_4	Preparedness and planning for service restoration	$0.0	$5.8	$0.0	$6.3	$0.0	NA	$0.5	8.7%	Less than 10% variance.
EP_5	Customer support in wildfire and PSPS emergencies	$0.0	$3.6	$0.0	$3.9	$0.0	NA	$0.3	8.7%	Less than 10% variance.
GD_1	Covered Conductor Replacement Project	$4,737.3	$0.0	$4,595.4	$0.0	-$141.9	-3.0%	$0.0	NA	Less than 10% variance.
GD_2	Radford Line Replacement Project	$3,633.6	$0.0	$5,865.3	$0.0	$2,231.7	61.4%	$0.0	NA	CAPEX overrun. The project was estimated in 2020. Due to the significant time required to obtain a permit from the USFS, estimated costs were significantly less as labor and equipment costs increase over the 4 year period. Additionally, there were significant costs associated with environmental studies to support the permit, increase helicopter fees to support construction, delays resulting in additional demobilizations/mobilizations due to encountering an endangered species and the Line Fire. Other cost drivers were overtime needed to complete the before the winter season once access granted following the Line Fire and additional fiber optic cable work scope.
GD_3	Minor Undergrounding Upgrades Projects	$303.7	$0.0	$95.3	$0.0	-$208.4	-68.6%	$0.0	NA	CAPEX underrun. UG projects that BVES engages in are generally driven by the customer or local government and are generally new facilities. In 2024, they were less than budget. In 2023, minor UG projects was overrun by $524.9 thousand. Year-to-year variations are high due to the projects being customer and local government driven.
GD_4	Covered Conductor Replacement Project	$2,030.3	$0.0	$1,969.5	$0.0	-$60.8	-3.0%	$0.0	NA	Less than 10% variance.
GD_5	Radford Line Replacement Project	$1,557.3	$0.0	$2,513.7	$0.0	$956.4	61.4%	$0.0	NA	CAPEX overrun. The project was estimated in 2020. Due to the significant time required to obtain a permit from the USFS, estimated costs were significantly less as labor and equipment costs increase over the 4 year period. Additionally, there were significant costs associated with environmental studies to support the permit, increase helicopter fees to support construction, delays resulting in additional demobilizations/mobilizations due to encountering an endangered species and the Line Fire. Other cost drivers were overtime needed to complete the before the winter season once access granted following the Line Fire and additional fiber optic cable work scope.
GD_6	Evacuation Route Hardening Project	$808.0	$0.0	$541.3	$0.0	-$266.7	-33.0%	$0.0	NA	CAPEX underrun. Annual target for 2024 was achieved (actually exceeded) at lower than budgeted. Labor was less than originally estimated.
GD_7	NA	$0.0	$0.0	$0.0	$0.0	$0.0	NA	$0.0	NA	Less than 10% variance.
GD_8	Traditional overhead hardening	$809.8	$0.0	$1,669.6	$0.0	$859.8	106.2%	$0.0	NA	CAPEX overrun. CPAEX Overrun was due to additional overhead hardening work being conducted than estimated. In addition to resolving asset inspection findings, BVES has been proactively replacing non-exempt equipment (e.g. arresters) and splices.
GD_9	Emerging grid hardening technology installations and pilots	$0.0	$0.0	$0.0	$0.0	$0.0	NA	$0.0	NA	Less than 10% variance.
GD_10	Bear Valley Solar Energy Project	$0.0	$0.0	$0.0	$0.0	$0.0	NA	$0.0	NA	Less than 10% variance.
GD_11	Energy Storage Project	$0.0	$0.0	$0.0	$0.0	$0.0	NA	$0.0	NA	Less than 10% variance.

GD_12	Substation Automation	$655.9	$0.0	$1,114.3	$0.0	$458.4	69.9%	$0.0	NA	CAPEX overrun. Overrun was due to higher labor costs than estimated to achieve proper connectivity with the three substations. Additionally, one of the substations had an underground fiber optic cable that needed to be repaired before the station could be connected to SCADA. Also, equipment related to automation was more expensive than estimated.
GD_13	Switch and Field Device Automation	$673.6	$0.0	$1,200.3	$0.0	$526.7	78.2%	$0.0	NA	CAPEX overrun. Overrun was due to higher costs than estimated for the switches and communications equipment and higher labor costs (more labor hours) than estimated to achieve proper connectivity with the switches to the SCADA system. Additionally, BVES hired a 3rd party to test the switches once received from the vendor prior to installing the switches as necessary quality control step; this had not be planned in the original budget.
GD_14	Capacitor Bank Upgrade Project	$319.1	$0.0	$692.5	$0.0	$373.4	117.0%	$0.0	NA	CAPEX overrun. Overrun was due to higher costs than estimated for the capacitor banks and communications equipment and higher labor costs (more labor hours) than estimated to achieve proper connectivity with the capacitor banks to the SCADA system. Additionally, BVES hired a 3rd party to test the capacitor banks once received from the vendor prior to installing the capacitor banks as necessary quality control step; this had not be planned in the original budget.
GD_15	Fuse TripSaver Automation	$136.9	$0.0	$297.7	$0.0	$160.9	117.5%	$0.0	NA	CAPEX overrun. Overrun was due to higher costs than estimated for the communications equipment and higher labor costs (more BVES and contracted labor hours) than estimated to achieve proper connectivity with the Fuse TripSavers to the SCADA system.
GD_16	Server Room	$103.2	$0.0	$61.4	$0.0	-$41.8	-40.5%	$0.0	NA	CAPEX underrun. The server room was completed under budget to the project specification. The decreased costs was driven by lower than anticipated costs to conduct modifications to the server room.
GD_17	Distribution Management Center	$37.4	$0.0	$65.3	$0.0	$27.9	74.7%	$0.0	NA	CAPEX overrun. Costs for this project were higher than expected due to increase equipment costs and construction costs.
GD_18	Line removals (in HFTD)	$0.0	$0.0	$0.0	$0.0	$0.0	NA	$0.0	NA	NA
GD_19	Tree Attachment Removal Project	$607.2	$0.0	$699.3	$0.0	$92.1	15.2%	$0.0	NA	CAPEX overrun. Higher labor costs resulted in the CAPEX spend being higher than projected.
GD_20	Other grid topology improvements to mitigate or reduce PSPS events	$0.0	$0.0	$0.0	$0.0	$0.0	NA	$0.0	NA	Less than 10% variance.
GD_21	BVPP Phase 4 Upgrade Project	$561.6	$0.0	$594.4	$0.0	$32.8	5.8%	$0.0	NA	Less than 10% variance.
GD_22	Partial Safety and Technical Upgrades to Maltby Substation	$795.0	$0.0	$794.7	$0.0	-$0.3	NA	$0.0	NA	Less than 10% variance.
GD_25	Detailed Inspections	$0.0	$13.9	$0.0	$25.3	$0.0	NA	$11.4	81.7%	OPEX overrun. Labor hours dedicated to this initiative were higher than forecasted. Annual was target achieved.
GD_26	Patrol Inspections	$0.0	$32.4	$0.0	$58.9	$0.0	NA	$26.5	81.7%	OPEX overrun. Labor hours dedicated to this initiative were higher than forecasted. Annual was target achieved.
GD_27	UAV Thermography	$0.0	$77.5	$0.0	$65.2	$0.0	NA	($12.3)	-15.9%	OPEX underrun. BVES was able to contract the work for lower cost than projected. Intended scope of work and annual target was achieved.
GD_28	UAV HD Photography/Videography	$0.0	$77.5	$0.0	$65.2	$0.0	NA	($12.3)	-15.9%	OPEX underrun. BVES was able to contract the work for lower cost than projected. Intended scope of work and annual target was achieved.
GD_29	LiDAR Inspection	$0.0	$79.6	$0.0	$71.8	$0.0	NA	($7.8)	-9.8%	Less than 10% variance.
GD_30	3rd Party Ground Patrol	$0.0	$64.3	$0.0	$21.4	$0.0	NA	($42.9)	-66.7%	OPEX underrun. BVES was able to contract the work for lower cost than projected. Intended scope of work and annual target was achieved.
GD_31	Intrusive Pole Inspections	$0.0	$19.1	$0.0	$19.3	$0.0	NA	$0.2	0.8%	Less than 10% variance.
GD_32	Substation inspections	$0.0	$283.3	$0.0	$110.5	$0.0	NA	($172.8)	-61.0%	OPEX underrun. The contracted portion of substation inspections (equipment testing) was achieved at a lower cost than estimated. Annual target was achieved.
GD_33	Equipment maintenance and repair	$0.0	$1,073.2	$0.0	$1,440.9	$0.0	NA	$367.7	34.3%	CAPEX overrun. Costs were higher than estimated to due more labor hours dedicated to conducting equipment maintenance and repair in response to inspection findings and storm damage.
GD_34	Asset management and inspection enterprise system(s)	$0.0	$57.7	$0.0	$42.8	$0.0	NA	($14.9)	-25.9%	OPEX underrun. Costs associated with updating and maintaining the asset management and inspection enterprise systems(s) were lower than forecasted due to lower than estimated labor costs.
GD_35	Asset Quality assurance / quality control	$0.0	$20.3	$0.0	$22.1	$0.0	NA	$1.8	8.7%	Less than 10% variance.
GD_36	Asset Open work orders	$0.0	$17.8	$0.0	$19.3	$0.0	NA	$1.5	8.7%	Less than 10% variance.
GD_37	Equipment Settings to Reduce Wildfire Risk	$0.0	$5.1	$0.0	$7.1	$0.0	NA	$2.0	39.4%	OPEX overrun. Labor was less than estimated. All necessary activities planned for 2024 were achieved. This budget item is small ($5 thousand); therefore, it does not take much expense to significantly cause a cost variance.
GD_38	Grid Response Procedures and Notifications	$0.0	$8.9	$0.0	$9.7	$0.0	NA	$0.8	8.7%	Less than 10% variance.
GD_39	Personnel Work Procedures and Training in Conditions of Elevated Fire Risk	$0.0	$3.8	$0.0	$4.1	$0.0	NA	$0.3	8.7%	Less than 10% variance.
GD_40	Asset Workforce Planning	$0.0	$6.4	$0.0	$6.9	$0.0	NA	$0.6	8.7%	Less than 10% variance.

RMA_1	Technosylva Contractor. Program implemented and ongoing.	$0.0	$88.6	$0.0	$180.4	$0.0	NA	$91.8	103.6%	OPEX overrun. Additional contracted expenses were higher than initially planned due to BVES working with contractor (Direxyon) to further develop Utility Risk Model.
SAF_1	Advanced weather monitoring and weather stations	$0.0	$7.3	$0.0	$8.6	$0.0	NA	$1.2	17.1%	OPEX overrun. Labor and replacement parts to maintain the weather stations was higher than estimated. All weather stations were properly serviced.
SAF_2	Install Fault Indicators	$260.0	$0.0	$270.7	$0.0	$10.7	4.1%	$0.0	NA	Less than 10% variance.
SAF_3	Online Diagnostic System	$77.3	$0.0	$17.2	$0.0	-$60.0	-77.7%	$0.0	NA	CAPEX underrun. Annual target for 2024 was achieve at lower than budgeted. Contractor costs were less than originally estimated.
SAF_4	HD ALERTWildfire Cameras	$0.0	$0.0	$0.0	$0.0	$0.0	NA	$0.0	NA	Less than 10% variance.
SAF_5	Weather forecasting	$0.0	$70.6	$0.0	$82.2	$0.0	NA	$11.6	16.5%	OPEX overrun. Contracted expenses were higher than initially planned.
SAF_6	Fire potential index	$0.0	$53.2	$0.0	$57.7	$0.0	NA	$4.5	8.5%	Less than 10% variance.
ST_1	Environmental compliance and permitting	$0.0	$25.4	$0.0	$31.3	$0.0	NA	$5.9	23.4%	OPEX overrun. Permitting costs were higher than anticipated, which was related to the overall increase project work conducted in 2024.
VM_1	Detailed Inspections	$0.0	$13.9	$0.0	$25.3	$0.0	NA	$11.4	81.7%	OPEX overrun. Labor hours dedicated to this initiative were higher than forecasted. Annual was target achieved.
VM_2	Patrol Inspections	$0.0	$32.4	$0.0	$58.9	$0.0	NA	$26.5	81.7%	OPEX overrun. Labor hours dedicated to this initiative were higher than forecasted. Annual was target achieved.
VM_3	UAV HD Photography/Videography	$0.0	$77.5	$0.0	$67.2	$0.0	NA	($10.3)	-13.3%	OPEX underrun. BVES was able to contract the work for lower cost than projected. Intended scope of work and annual target was achieved.
VM_4	LiDAR Inspection	$0.0	$79.6	$0.0	$71.8	$0.0	NA	($7.8)	-9.8%	Less than 10% variance.
VM_5	3rd Party Ground Patrol	$0.0	$64.3	$0.0	$21.4	$0.0	NA	($42.9)	-66.7%	OPEX underrun. BVES was able to contract the work for lower cost than projected. Intended scope of work and annual target was achieved.
VM_6	Substation inspections	$0.0	$4.4	$0.0	$15.0	$0.0	NA	$10.6	243.0%	OPEX overrun. Labor hours dedicated to this initiative were higher than forecasted. Annual was target achieved.
VM_7	Pole clearing	$0.0	$0.0	$0.0	$0.0	$0.0	NA	$0.0	NA	Less than 10% variance.
VM_8	Wood and slash management	$0.0	$520.4	$0.0	$453.8	$0.0	NA	($66.6)	-12.8%	OPEX underrun. BVES was able to contract the work for lower cost than projected. All wood and slash was properly removed per BVES's vegetation management contract.
VM_9	Clearance	$0.0	$2,212.8	$0.0	$1,935.4	$0.0	NA	($277.3)	-12.5%	OPEX underrun. BVES was able to contract the work for lower cost than projected. Intended scope of work and annual target was achieved for vegetation clearance activities.
VM_10	Fall-in mitigation	$0.0	$351.1	$0.0	$328.8	$0.0	NA	($22.3)	-6.3%	Less than 10% variance.
VM_11	Substation defensible space	$0.0	$15.5	$0.0	$14.3	$0.0	NA	($1.2)	-7.6%	Less than 10% variance.
VM_12	High-risk species	$0.0	$351.1	$0.0	$328.8	$0.0	NA	($22.3)	-6.3%	Less than 10% variance.
VM_13	Fire-resilient rights-of-way	$0.0	$14.4	$0.0	$16.3	$0.0	NA	$1.9	13.0%	OPEX overrun. Costs were less than estimated. All necessary activities planned for 2024 were achieved. This budget item is small ($14.4 thousand); therefore, it does not take much expense to significantly cause a cost variance.
VM_14	Emergency response vegetation management	$0.0	$28.8	$0.0	$37.9	$0.0	NA	$9.0	31.3%	OPEX overrun. Costs were lower than estimated due to lower than normal emergency response activities.
VM_15	Vegetation management enterprise system	$0.0	$21.6	$0.0	$18.3	$0.0	NA	($3.3)	-15.3%	OPEX underrun. Costs associated with updating and maintaining the vegetation management enterprise systems(s) were lower than forecasted due to lower than estimated labor costs.
VM_16	Vegetation Management Quality assurance / quality control	$0.0	$50.9	$0.0	$66.1	$0.0	NA	$15.1	29.7%	OPEX overrun. Costs were higher than estimated to due more labor hours dedicated to this effort.
VM_17	Vegetation Management Open work orders	$0.0	$35.7	$0.0	$41.9	$0.0	NA	$6.2	17.3%	OPEX overrun. Costs were higher than estimated to due more labor hours dedicated to this effort.
VM_18	Vegetation Management Workforce planning	$0.0	$6.4	$0.0	$7.8	$0.0	NA	$1.5	23.4%	OPEX overrun. Costs were higher than estimated to due more labor hours dedicated to this effort. This budget item is small ($6.4 thousand); therefore, it does not take much expense to significantly cause a cost variance.
VM_19	AiDash	$0.0	$40.0	$0.0	$40.0	$0.0	NA	$0.0	0.0%	Less than 10% variance.
WMSD_1	Wildfire Mitigation Strategy Development	$0.0	$30.5	$0.0	$37.6	$0.0	NA	$7.1	23.4%	OPEX overrun. Costs were higher than estimated to due more labor hours dedicated to this effort.