



2020 Wildfire Mitigation & PSPS Preparation



May 26, 2020



- 🔥 **2020 Fire Season Outlook**
- 🔥 **Customer Resiliency Upgrades**
- 🔥 **PSPS Criteria**
- 🔥 **Customer Classes – Database Management & Outreach**
- 🔥 **Internal & External Coordination**
- 🔥 **Pandemic PSPS Planning**



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2020 Fire Season Outlook



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2020 Fire Season Outlook

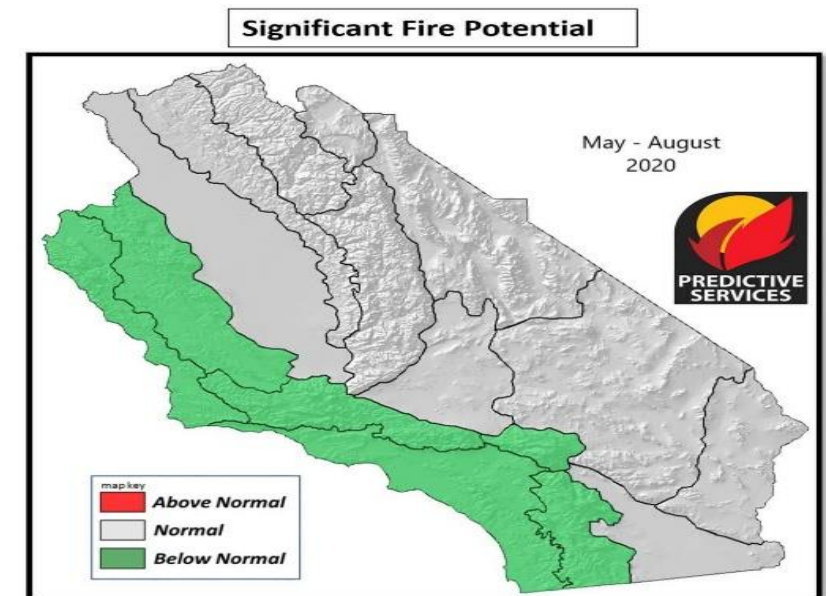
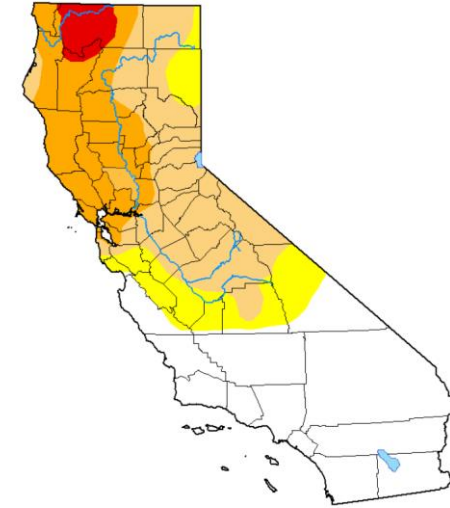
Drought Conditions in California: Bear Valley is not currently under drought conditions, though parts of Northern California are experiencing significant drought conditions currently.

Fire Potential Index (FPI): Elevated FPI conditions are likely to develop throughout the summer months.

Live Fuel Moistures: Live fuel moistures are nearing their annual peak, with seasonal declines expected through the summer.

Significant Fire Potential: Forecasts predict “Significant Fire Potential” to be below normal through August.

Early Fire Season: Based on current weather outlook, fire season will start mid-June 2020. BVES does not expect a potential PSPS until September 2020.



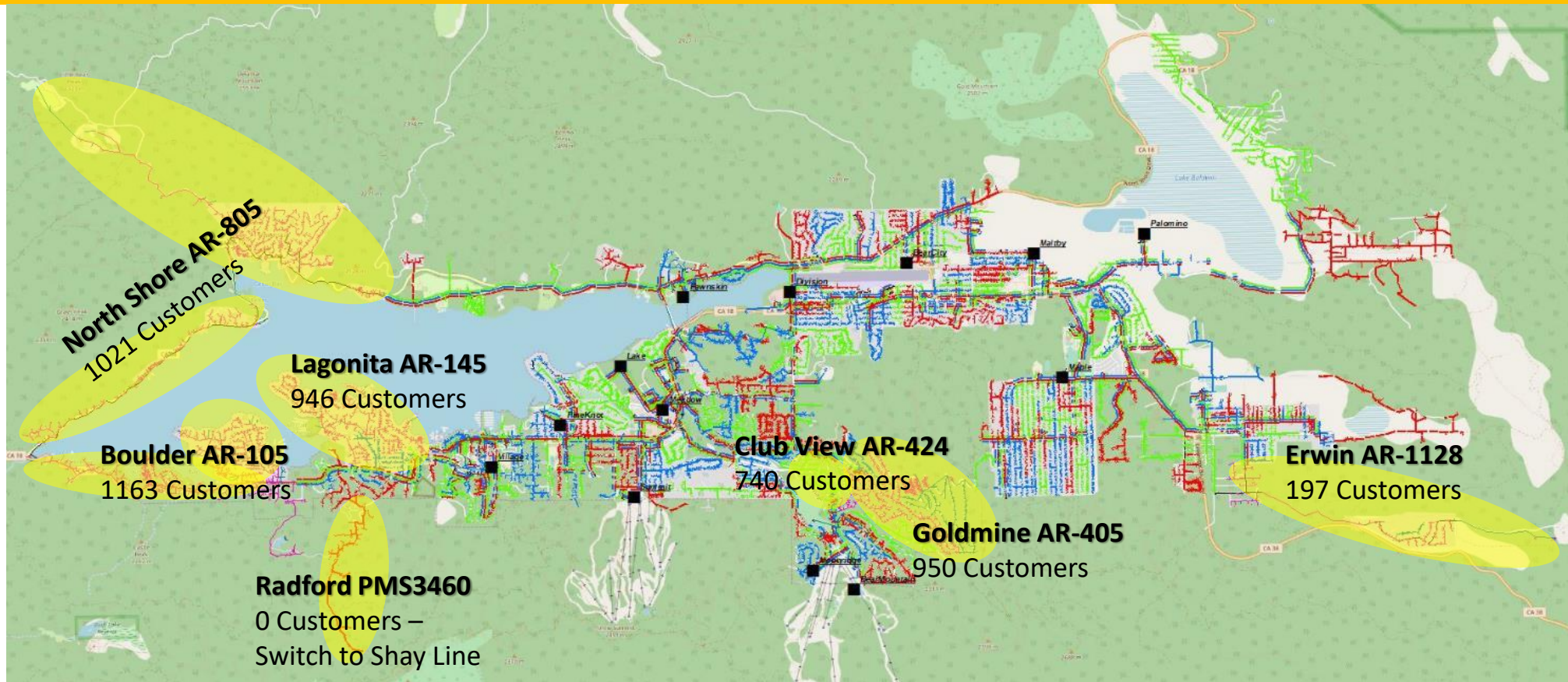
Customer Resiliency Upgrades



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Impact Reduction

BVES has identified areas within its Tiers 2 & 3 High Fire Threat Districts that may be selectively de-energized to minimize the impact to only the areas at risk. This can be done by identifying specific switches to electrically isolate these areas.



Customer Assistance

BVES is coordinating with the County of San Bernardino, City of Big Bear Lake and Bear Valley Mountain Mutual Aid Association to provide assistance during an extended PSPS event.

- BVES will look to develop Community Resource Centers similar to those developed by other IOUs such as SDG&E.
- BVES will first attempt to leverage existing facilities and resources in the area.
- All communities within BVES' service area have access to more than one egress route and have been encouraged to familiarize themselves with these routes.



PSPS Criteria



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PSPS Driving Conditions

BVES will determine whether a PSPS event is necessary consulting the information listed below:

- Weather conditions
- Vegetation conditions and Vegetation Risk Index
- Field observations and flying/falling debris
- Information from first responders
- Meteorology, including 10 years of history, 99th and 95th percentile winds
- Expected duration of conditions
- Location of any existing fires
- Wildfire activity in other parts of the state affecting resource availability
- Information on temporary construction

Extreme Fire Threat Conditions

Extreme fire threat weather and conditions outside of the BVES service area, in which Southern California Edison (SCE) directs PSPS on SCE-owned and/or operated power lines leading a partial or complete loss of the three SCE supply lines into the BVES service area.

Note that it is very possible that the extreme fire threat weather and conditions causing SCE to de-energize its supply lines to BVES may not exist in the BVES service area.

Extreme Fire Threat Conditions *Within BVES Service Area*

Extreme fire threat conditions in the BVES service area are rare but could warrant a potential PSPS event.

Customer Classes – Database Management & Outreach



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Customer Class Databases

Medical Baseline

- Maintained by BVES' Customer Care & Billing (CC&B) Department
- Pertains to both Medical Baseline and Critical Care customer classes
- Updated daily
- Current count: 228

Critical Facilities

- Located in PSPS-specific database list
- Updated monthly
- Current count: 20

Critical Infrastructure

- Maintained by BVES' Operations Team
- Updated monthly
- Current count: 23

BVES' Outage Management and Interactive Voice Recognition (IVR) system is tied to our engineering base maps and CC&B system. During emergency events, all databases are sent automated calls containing specific details describing the event and critical next steps. The system, which is accessible companywide, is also used to flag any reported interruptions on the BVES system.

Medical Baseline Database Update

Stakeholder Coordination

Organizations and public safety partners located on the mountain share access to and update a confidential contact list titled “Big Bear Mountain Mutual Aid.” The list includes Medical Baseline residents. BVES is working with the City of Big Bear Lake and San Bernardino County to share this list with local officials.

Internal Coordination

The list of Medical Baseline customers is distributed to BVES’ operations team on a biweekly basis to keep all pertinent personnel notified.

Master Meter Customers

Master meter account property managers help BVES collect and update both CARE and Medical Baseline customer information on a quarterly basis. Five customers currently qualify for Medical Baseline that are Master Metered.

Legal Inquiries

BVES makes legal inquiries regarding the type of information that can be asked on either applications or surveys to ensure legal parameters are understood and followed.

Outreach

BVES employs a robust communications plan to ensure all customers, not just those in access and functional needs (AFN) populations, receive proper notification in emergency situations. BVES will update its notification protocols and PSPS criteria will be updated on an annual basis before the beginning of each fire season.

All outreach methods, minus two-way texting, will be in place by the start of fire season.

Year-Round Education

BVES conducts outreach throughout the year to help prepare customers for wildfire season. An upcoming addition to this outreach will be emergency planning with AFN populations and advocates.

Two-Way Text Messaging

As of Aug. 1, 2020, BVES will have a new two-way text messaging software that will be utilized for emergency situations only to ensure all customers are effectively notified.

Accessible Information

BVES utilizes several communications channels to effectively deliver its messages to customers, including Facebook (@BearValleyElectricService), BVES.com, local radio, print outlets and its IVR system.

Multilingual Outreach

BVES will distribute a postcard in June 2020 outlining its Wildfire Mitigation Plan and PSPS protocols in the languages spoken by its customers.

Community Meetings

BVES conducts annual community meetings addressing its PSPS protocols, wildfire mitigation efforts and grid reliability.

Outreach Timeline

Template	Content	Media	Recipients
4-Day Alert	Provides notice of continuing and consistent forecasted extreme fire threat conditions, which may lead to possible BVES-directed and/or SCE-directed PSPS(s). Also provides anticipated impacts on BVES customers and direction of event.	<ul style="list-style-type: none"> Email 	Local government, agencies, and partner organizations (includes emergency management community and first responders).
2-3 Day Alert	Provides notice of continuing and consistent forecasted extreme fire threat conditions, which may lead to possible BVES-directed and/or SCE-directed PSPS(s). Also provides anticipated impacts on BVES customers and duration of event.	<ul style="list-style-type: none"> Email BVES.com Social media Press release IVR message 	Local government, agencies, partner organizations (including emergency management community and first responders) and customers.
1-2 Day Alert	Provides notice regarding imminent extreme fire threat conditions, which may result in BVES-directed and/or SCE-directed PSPS(s). Also provides anticipated impacts on BVES customers and duration of event.	<ul style="list-style-type: none"> Email BVES.com Social media Press release IVR message 	Local government, agencies, partner organizations (including emergency management community and first responders) and customers.
Imminent De-energization Alert	Provides notice that BVES-directed and/or SCE-directed PSPS(s) is imminent (within 1-4 hours) based on validated extreme fire threat conditions. Also provides anticipated impacts on BVES customers and duration of event.	<ul style="list-style-type: none"> Email BVES.com Social media Press release IVR message 	Local government, agencies, partner organizations (including emergency management community and first responders) and customers.
De-energization Alert	Provides notice of extreme fire threat conditions validated by field resources and implementation of PSPS directed by BVES and/or SCE and includes areas de-energized, number of customers without power, and best estimated time to restore (ETR).	<ul style="list-style-type: none"> Email BVES.com Social media Press release IVR message 	Local government, agencies, partner organizations (including emergency management community and first responders) and customers.
De-energization Updates	Provides notice during a PSPS event of significant changes such as the number of customers without power and/or ETR(s).	<ul style="list-style-type: none"> Email BVES.com Social media Press release IVR message 	Local government, agencies, partner organizations (including emergency management community and first responders) and customers.
Intent to Restore	Provides notice that extreme fire threat conditions have subsided, and BVES crews are performing post-PSPS restoration inspections. Also provides ETR(s).	<ul style="list-style-type: none"> Email BVES.com Social media Press release IVR message 	Local government, agencies, partner organizations (including emergency management community and first responders) and customers.
Restoration Complete	Provides notice that power is fully restored.	<ul style="list-style-type: none"> Email BVES.com Social media Press release IVR message 	Local government, agencies, partner organizations (including emergency management community and first responders) and customers.

Internal & External Coordination



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Internal Preparation

Pre-Planning:

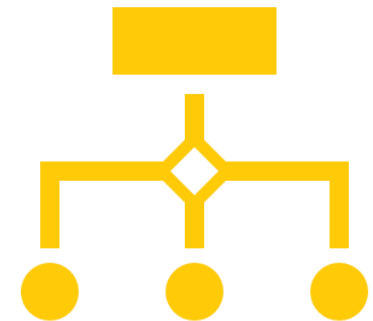
- BVES is finalizing new written staff procedures for PSPS events and will train staff by mid-June 2020.

Tabletop Exercises:

- BVES intends to conduct tabletop exercises in June 2020 to run through planned PSPS protocols.
- Should social-distancing orders still be in effect, the exercises will be conducted via Zoom.

Principles of Good Management:

- New procedures clearly delineate the internal PSPS command structure including roles and responsibilities.



External Coordination

Up-to-Date Contact Information

BVES worked with critical facilities, critical infrastructure and public safety partners to receive updated points of contact and preferred methods of notification.

Stakeholder Communication

BVES spoke with critical facilities, critical infrastructure and public safety partners via email to clarify the possible impacts of an SCE PSPS event on Big Bear.

Proactive Notice

In the event of a PSPS, critical facilities will be notified before the general public of the upcoming proactive power shutoff. A designated BVES employee will email the critical facilities and respond to questions, as necessary. BVES will also work closely with communications providers and other state agencies to ensure they have the information they need early on to take appropriate action.

Enhanced Communication

- BVES has worked closely with local leaders and first responders to determine an effective communications plan.
- In addition to group emailing, the use of group texting via communications apps like GroupMe is being explored for internal communications with key staff and external communications with local government officials and first responders.



Pandemic Planning



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PSPS Amid a Pandemic

BVES is preparing for the possibility of a PSPS while shelter-in-place orders are in effect.

- Mobile Community Resource Centers (CRC) will potentially be established and sent to affected neighborhoods on a rotating basis.
- Social distancing guidelines will be enforced within the CRCs, based on state orders.
- Rolling blackouts will be utilized in the case of an SCE supply driven PSPS, as is the case during a pandemic or not.
- BVES will follow Centers for Disease Control and Prevention rules and regulations while performing work in the community.

Questions?



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