

# 2021 Small Multi-Jurisdictional Utilities (SMJUs) Public Safety Power Shutoffs (PSPS) Preparedness Staff Briefing #2

Bear Valley | Liberty | PacifiCorp

June 30, 2021



California Public  
Utilities Commission

# Agenda

2:30 – 2:40 p.m. Introduction

*Dru Dunton, California Public Utilities Commission*

2:40 – 3:15 p.m. Bear Valley Presentation followed by Q&A

*Roseana Portillo and Paul Marconi, Bear Valley Electric Service Inc.*

3:15 – 3:50 p.m. Liberty Presentation followed by Q&A

*Eliot Jones, Liberty Utilities (CalPeco Electric) LLC*

3:50 – 4:25 p.m. PacifiCorp Presentation followed by Q&A

*Allen Berreth, Justin Bukartek, and Melissa Nottingham, PacifiCorp d/b/a Pacific Power*

4:25 – 4:30 p.m. Closing Remarks

# Thanks to our Presenters, Panelists and Hosts

The Wildfire Safety and Enforcement Branch (WSEB) would like to extend our thanks to:

- The electric Investor-Owned Utilities that have thoughtfully prepared their presentations to the CPUC regarding their readiness for the 2021 Wildfire/PSPS season.
- Panelists/Moderators from the CPUC, Cal OES, and CALFIRE for bringing your subject matter expertise to these fora.
- CPUC Information Technology Host Robert Stanford and Associates.

# Presenters

## Bear Valley:

Roseana Portillo, Customer Care & Operations Support Supervisor  
Paul Marconi, Director, Treasurer and Secretary

## Liberty:

Eliot Jones, Senior Manager, Wildfire Prevention

## PacifiCorp:

Allen Berreth, Vice President of Transmission and Distribution Operations  
Justin Bukartek, Director of Emergency Management  
Melissa Nottingham, Manager of Customer Advocacy Tariff Policy

# Panelists (Panelists may attend one or more of the second Staff Briefings, June 30-July 2)

Panelist/Moderator	Representing
Mike Massone	Cal OES, Response Operations at California
Vance Taylor	Cal OES, Office of Access and Functional Needs
Jeff Fuentes	CALFIRE, Utility Fire Mitigation, Office of the State Fire Marshall
Jack Chang	CPUC, Climate and Equity Initiatives Section, Energy Division
Jonathan Lakey	CPUC, Customer Generation, Energy Division
Nathan Sarina	CPUC, Electric Safety Reliability Branch
Agatha Wein	CPUC, Outreach, Executive Division
Naveed Paydar	CPUC, Outreach, Executive Division
Dani Tutt	CPUC, Resiliency and Microgrids, Energy Division
Pat Saxton	CPUC, Resiliency and Microgrids, Energy Division
David Van Dyken	CPUC, Risk Assessment and Safety Analytics, Safety Policy Division
Anil Balivada	CPUC, Service Quality and ETC, Communications Division
Michael Truax	CPUC, Transportation Electrification, Energy Division
Kenneth Holbrook	CPUC, Tribal Advisor, Executive Division
Tony Noll	CPUC, Wildfire Safety and Enforcement Branch, Safety and Enforcement Division

# Purpose of 2021 IOU PSPS Preparedness Briefings

- Assess overall preparedness.
- Gauge the status of protections in place for vulnerable populations.
- Determine if actions have been taken to minimize the risk of wildfire.
- Evaluate readiness of notification and communications systems.
- Ensure that lessons learned have been implemented.

# Housekeeping

- Attendees are muted.
- Briefing is being recorded.
- 2<sup>nd</sup> briefing – presentations are short and straight-through; hold questions until the end.
- Questions guidelines:
  - Keep them brief
  - More complex questions can be batched into a data request.
  - Questions about the implementation of Phase 3 Guidelines (D.21-06-034) and the OI into the 2019 PSPS (D.21-06-014) should be considered carefully because these decisions have been issued only recently and may be taken up in the Public Briefings.
- Response guidelines:
  - Keep them as brief and fact-based as time permits.
  - Full, accurate responses may require research. You are welcome to respond at a later time. I will be tracking follow-ups.
- Survey form – distributed after the briefing via email using the Microsoft Teams platform.
- Recording – A link to the recording will be included in the same email as the survey.



# **2021 PSPS Preparedness Briefing #2 for California Public Utilities Commission**



*June 30, 2021*



Communication Carriers - Please provide a summary table of the communications carriers in your territory; the primary, secondary, and tertiary liaisons with these companies; dates of joint planning sessions in 2020 and 2021.

Company	Primary	Secondary	Tertiary liaisons	Date of joint planning sessions (2020-2021)
Verizon	Annette Ohgren – 909-201-1897 annette.ohgren@verizonwireless.com	Marco Murrillo – 949-286-8776 e-mail: Lynn.Prescott@cableeeng.com	Additional contact information has been requested	September 15, 2020 June 28, 2021
Frontier	Bret Plaskey – 909-328-0435 Bret.p.plaskey@ftr.com	Additional contact information has been requested	Additional contact information has been requested	September 15, 2020 June 28, 2021
Spectrum	Edgar Loza 760-596-4374	Additional contact information has been requested	Additional contact information has been requested	September 15, 2020 June 28, 2021
AT&T	Rachel Lewis – 559-454-4161 g00627@att.com	<u>Randy Shakerlford 210-821-4105</u> <u>e-mail: RS4669@att.com</u>	Additional contact information has been requested	September 15, 2020 June 28, 2021

# Critical Facilities - Please provide a summary table on one slide showing the number of critical facilities in your service territory by county by category.

All critical facilities are in San Bernardino County.

First Responders	Law Enforcement	Hospitals	City/County	Misc.	Utility	Communications
Big Bear Fire Department	San Bernardino County Sheriff's Department Big Bear Lake Patrol Station	Bear Valley Community Hospital	City of Big Bear Lake (CBBL)	California Department of Transportation (Caltrans) District 8	Big Bear Area Regional Wastewater Agency (BBARWA)	Spectrum
San Bernardino County Fire	California Highway Patrol (CHP) Arrowhead Area		San Bernardino County Office of Emergency Services (County OES)	Bear Valley Unified School District	Big Bear City Community Services District (CSD)	AT&T
San Bernardino County Fire, Mountain Division				Big Bear Airport District	Big Bear Lake Water Department (DWP)	Verizon
California Department of Forestry and Fire Protection (CAL FIRE) San Bernardino Unit					Big Bear Municipal Water District (MWD)	Frontier
Mountaintop Ranger District, U.S. Forest Service					Southwest Gas Corporation	

Emergency Management - Please provide a summary table of the primary, secondary, and tertiary liaisons with Southern California Edison (SCE) and their Bear Valley counterparts

	Primary	Secondary	Tertiary
SCE Staff	Bryan Falconer Account Manager (626) 826-3745 <a href="mailto:Bryan.Falconer@sce.com">Bryan.Falconer@sce.com</a>	Lugo Substation (760) 956-5801 Colton Control Station (909) 825-6939	Gregory Ferree Vice President, Vegetation, Inspections and Operational Services (909) 274-1120 <a href="mailto:greg.ferree@sce.com">greg.ferree@sce.com</a>
BVES Staff	Sean Matlock Energy Resource Manager (909) 522-1913 <a href="mailto:Sean.Matlock@bvesinc.com">Sean.Matlock@bvesinc.com</a>	Jeff Barber Field Operations Supervisor (909) 435-6225 <a href="mailto:Jeffrey.Barber@bvesinc.com">Jeffrey.Barber@bvesinc.com</a>	Paul Marconi President (909) 202-9539 <a href="mailto:Paul.Marconi@bvesinc.com">Paul.Marconi@bvesinc.com</a>



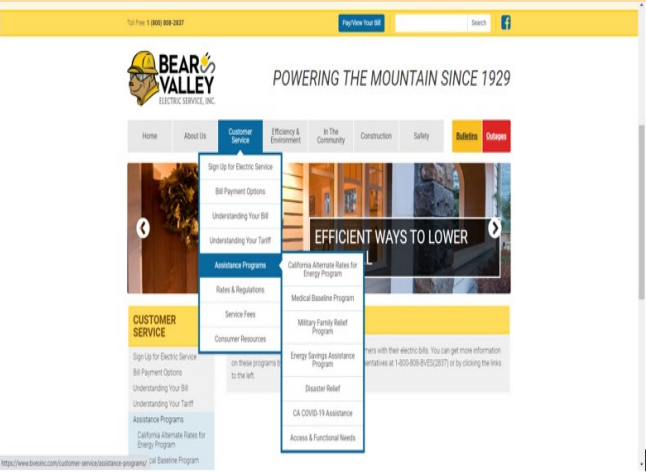
Fire Risk - Please provide a summary table on one slide characterizing outage damages in your service territory observed during 2020 when wind speeds were (1) 20-39 mph, and (2) 40 mph and above from flying debris, tree limb failures, fall-in trees?

Wind Speed	Outage Damage from Flying Debris, Tree Limb Failures, Fall-in Trees in 2020
20-39 mph	On 11/8/2020 a tree fell into lines during a snow storm due to weight of snow and ice – maximum wind speed recorded at 32 mph. Low risk of fire due to snow storm.
40 mph and above	None.

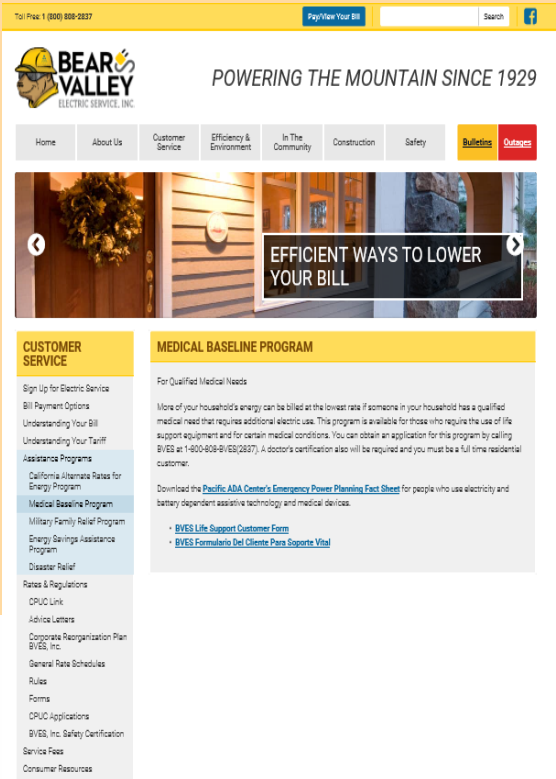
Medical Baseline - Please provide a summary table of customers identified as MBL in your billing system each year on June 1 since 2019.

Year	Amount of Medical Baseline Customers
June 2019	228
June 2020	230
June 2021	234

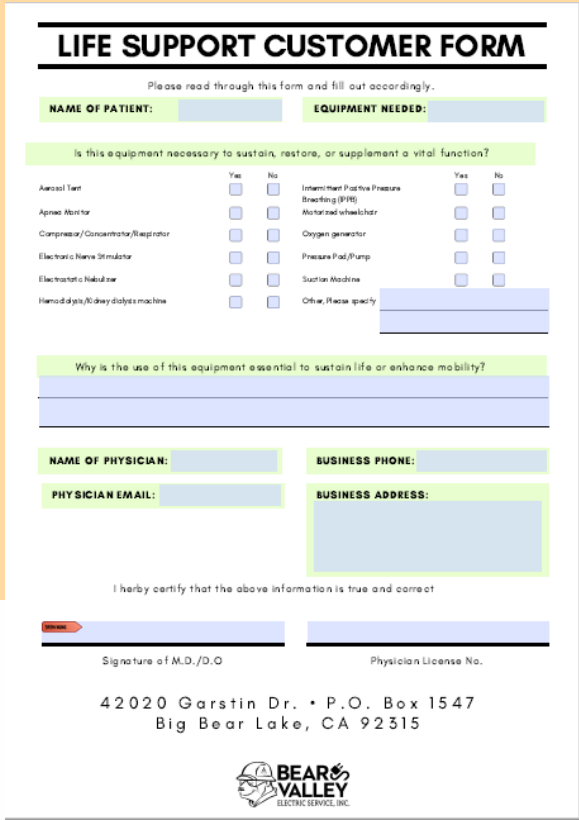
# Medical Baseline and AFN - Share your screen and demonstrate the ease of access with which MBL and AFN customers can find information about relevant programs and application materials.



The screenshot shows the Bear Valley Electric Service website. The 'Customer Service' menu is open, displaying options such as 'Sign Up for Electric Service', 'Bill Payment Options', 'Understanding Your Bill', 'Assistance Programs', 'California Alternate Rates for Energy Program', 'Rates & Regulations', 'Service Fees', 'Consumer Resources', 'Military Family Relief Program', 'Energy Savings Assistance Program', 'CA COVID-19 Assistance', and 'Access & Functional Needs'.



The screenshot shows the 'Medical Baseline Program' section of the Bear Valley Electric Service website. It includes a header 'POWERING THE MOUNTAIN SINCE 1929' and a navigation bar. The main content area features a banner 'EFFICIENT WAYS TO LOWER YOUR BILL' and a section titled 'MEDICAL BASELINE PROGRAM' with a description of the program and a link to the 'BVES Life Support Customer Form'.



The screenshot shows the 'LIFE SUPPORT CUSTOMER FORM'. It includes a header 'LIFE SUPPORT CUSTOMER FORM' and a section 'NAME OF PATIENT: EQUIPMENT NEEDED:'. The form contains a table with columns for 'Yes' and 'No' for various medical equipment, and a section for 'NAME OF PHYSICIAN: BUSINESS PHONE: PHY SICIAN EMAIL: BUSINESS ADDRESS:'. The form also includes a signature line for the M.D./D.O. and a section for the physician's license number.





## Mitigation – Backup Generators

Please provide a table of backup generators provided to critical facilities customers in 2019, 2020, and planned for 2021.

Year	Number of Backup Generators Provided to Critical Facilities Customers (2021 planned)
2019	0
2020	0
2021	0

BVES has 8.4 MW of backup generation to support critical infrastructure. Many critical facilities have their own backup generation including the Hospital, City of Big Bear Lake, Big Bear Fire and Sheriff Department.

## Mitigation – Battery Storage

Please provide a table of battery storage devices provided to customers in 2019, 2020, and planned for 2021 and the maximum performance in hours.

Year	Number of Battery Storage Devices Provided to Customers (2021 planned)
2019	0
2020	0
2021	6 – 300W 4.5 Hours

BVES has six portable battery storage devices to deploy to Life Support or AFN customers on an as needed basis.



Transparency - Share your screen and demonstrate the ease of access to navigate to the PSPS information page, your de-energization and restoration policy, address lookup tool if available, maps of outage areas, and any other public-facing PSPS information.

**BVES, Inc. COVID-19 Customer Protections** | BVES, Inc. protections all clients contra COVID-19  
Please note that COVID-19 Customer Protections are set to expire on June 30, 2021. BVES offers multiple bill payment options. If you have a past due balance, we encourage you to contact us immediately and establish a payment plan. Please call our Customer Service Center at (800) 808-2837 and speak to one of our representatives today.

**CA COVID-19 Utility Relief** will help income-eligible households pay rent and utilities, both for past due and future payments. [See Expanded]  
Whether it's a health-related event or a significant financial hardship, COVID-19 has affected us all. As our state continues to recover, we are committed to keeping families housed and recognize that California renters and landlords have enough to worry about. We want to make sure that past due utilities isn't one of them. CA COVID-19 Utility Relief will help income-eligible households pay rent and utilities, both for past due and future payments. To check eligibility and apply, visit [boulders.ca.gov](https://boulders.ca.gov) or call 833-636-2122.

For additional assistance, BVES offers multiple bill payment options. If you have a past due balance, we highly encourage you to contact us immediately and establish a payment plan to avoid the possibility of being disconnected starting July 1, 2021. Please call our Customer Service Center at (800) 808-2837 and speak to one of our representatives today.

If you have recently lost your job, even if you are receiving unemployment benefits, you may qualify for a reduced energy rate through our CARE program.

To report an Outage call 800-808-2837 or Text the word "OUT" from your cell phone. You may also [email](#) Customer Service during normal business hours.

Toll Free: 1 (800) 808-2837 [Pay/View Your Bill](#)   [f](#)

**BEAR VALLEY ELECTRIC SERVICE, INC.**  
POWERING THE MOUNTAIN SINCE 1929

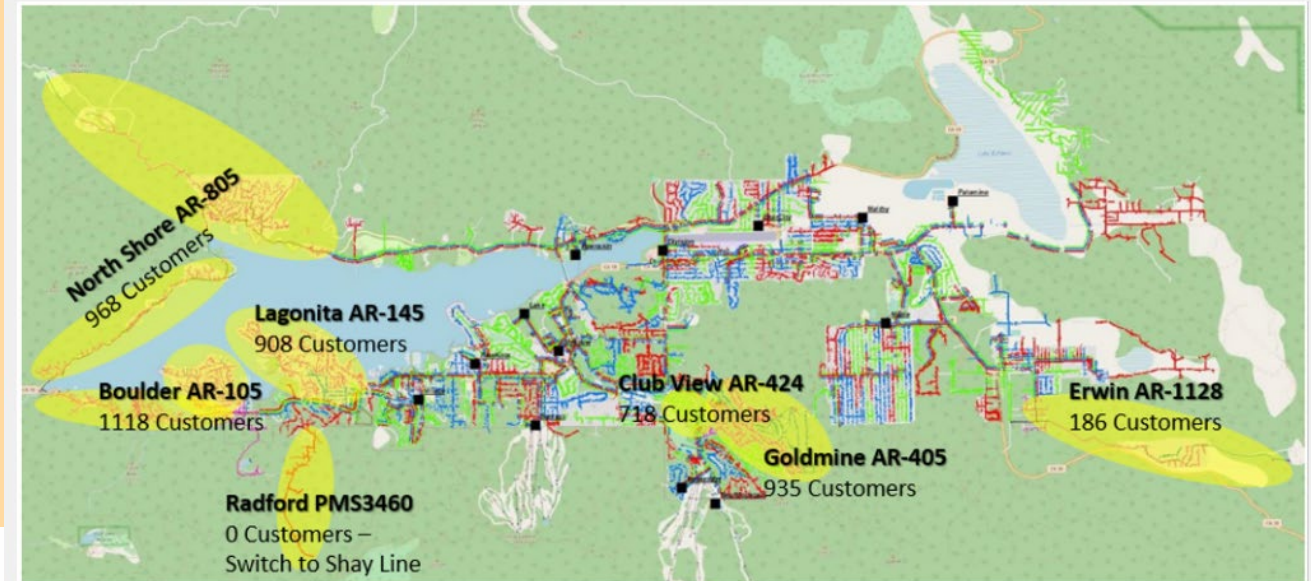
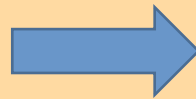
Home | About Us | Customer Service | Efficiency & Environment | In The Community | Construction | **Safety** | **Bulletins** | **Outages**

WE'RE HERE FOR YOU

**CUSTOMER SERVICE**  
Sign Up for Electric Service  
Bill Payment Options  
Understanding Your Bill  
Understanding Your Tariff  
Assistance Programs  
California Alternate Rates for Energy Program  
Medical Baseline Program  
Military Family Relief Program  
Energy Savings Assistance Program  
Disaster Relief  
Rates & Regulations  
CPUC Link

**MEDICAL BASELINE PROGRAM**  
For Qualified Medical Needs  
More of your household's energy can be billed at the lowest rate if you have a qualified medical need that requires additional electric use. This program supports equipment and for certain medical conditions. You can call BVES at 1-800-808-BVES(2837). A doctor's certification also will be required.  
Download the [Pacific ADA Center's Emergency Power Planning Fact Sheet](#) for people who use electricity and battery dependent assistive technology and medical devices.  
• [BVES Life Support Customer Form](#)  
• [BVES Formulario Del Cliente Para Soporte Vital](#)

Wildfire Mitigation Plan  
Public Safety Power Shutoff  
Wildfire Safety  
Reliability  
Get Ready for Emergencies  
Generator Safety  
Tree Trimming Program  
Home Safety  
Dig Safe  
Report a Downed Line  
Important Local Contacts



[Bear Valley Electric Service, Inc. Public Safety Power Shutoff Plan February 24, 2021](#)

[Bear Valley Electric Service, Inc. Emergency Response Plan February 24, 2021](#)

Vegetation Management - Please provide a summary table of the estimated number of trees adjacent to the transmission and distribution lines in your territory categorized by the level of threat caused by these trees; and the number of trees by type that are outside the typical clearance area but within striking distance either blown by the wind or falling on to an energized line; the plans for mitigating these hazards, and the status of your tree trimming program.

Vegetation Management

Number of trees of concern along BVES distribution lines in database	13412
At risk trees that were removed due to strike risk since start of 3 year cycle	334
Status of tree trimming program	On track to implement Enhanced Vegetation Management - BVES is currently in the 3rd year of its 3 year cycle and will be complete by the end of 2021.

Trees of Concern By Species

Species	Number	Percent
Pine	8354	62.3%
Oak	1795	13.4%
Cedar	1383	10.3%
Juniper	576	4.3%
Poplar	480	3.6%
Other	824	6.1%

## Our Values

In pursuing our mission, the board of directors, management and the company's employees are guided by the shared Values presented below:

**Integrity** - Building trust through honest communications and doing what is right

**Teamwork** - Maximizing efficiency through collaboration and individual strengths

**Respect** - Valuing diversity and treating all stakeholders with fairness

**Excellence in Service** - Striving for excellence and quality in everything we do

**Accountability** - Taking ownership of one's actions

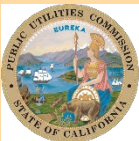
# Questions?





# Public Safety Power Shutoff Preparations Brief #2

**Presented to the California Public Utilities Commission  
(CPUC)  
June 30, 2021**



California Public  
Utilities Commission





# Communications Carriers

## Summary table of Communications Carriers in Liberty's service territory

Name	Company	Phone	Email
Mary Anne Sawi	AT&T	9163969010	<a href="mailto:ms6246@att.com">ms6246@att.com</a>
Joshua Overton	AT&T	2094066712	<a href="mailto:jo2147@att.com">jo2147@att.com</a>
Paul Magoolaghan	AT&T	7075836131	<a href="mailto:pm3094@att.com">pm3094@att.com</a>
Brad Orme	Verizon	7758426151	<a href="mailto:brad.orme@verizonwireless.com">brad.orme@verizonwireless.com</a>
Barry Schroeder	Verizon	5309909015	<a href="mailto:barry.schroeder@verizonwireless.com">barry.schroeder@verizonwireless.com</a>
Jahn Green	Verizon	7752941033	<a href="mailto:Jahn.Green@verizonwireless.com">Jahn.Green@verizonwireless.com</a>

- Communications carriers are included in Liberty's Wildfire Safety Community Advisory Board Meetings
  - The 2020 Wildfire Community Advisory Board meeting was conducted on December 15, 2020
  - The 2021 Wildfire Community Advisory Board meetings are scheduled for completion by July 2, 2021





# Critical Facilities

## Critical Facilities by Type

County	Police	Fire	EOC	Health	School	Utility	Jail	Communications
Alpine	1	3	0	1	4	0	0	2
El Dorado	3	7	2	3	14	10	1	5
Mono	1	1	1	2	3	0	0	1
Nevada	1	1	0	0	2	2	0	1
Placer	2	10	3	5	14	16	1	6
Plumas	1	4	0	1	3	2	0	2
Sierra	1	2	1	3	5	2	0	1
<b>Total</b>	<b>10</b>	<b>28</b>	<b>7</b>	<b>15</b>	<b>45</b>	<b>32</b>	<b>2</b>	<b>18</b>

- At this time, no backup generators have been provided to critical facilities customers





## Fire Risk

### Vegetation and Debris Outages

Wind Speed	Limb Failure	Whole Tree/Stem Failure	Flying Debris
Unknown	0	0	3
20-39 MPH	3	5	0
40+ MPH	0	3	0
<b>Total</b>	<b>3</b>	<b>8</b>	<b>3</b>

- Four of the events were during snow storms
- One event was from a 3<sup>rd</sup> party
- One event was a service drop (one customer)





## Medical Baseline

### Summary table of customers identified as Medical Baseline (MBL) in Liberty's billing system

	2019	2020	2021
MBL Customers	248	261	260

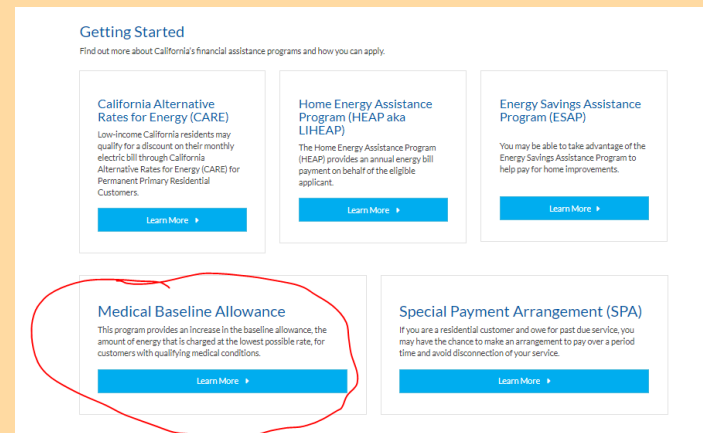
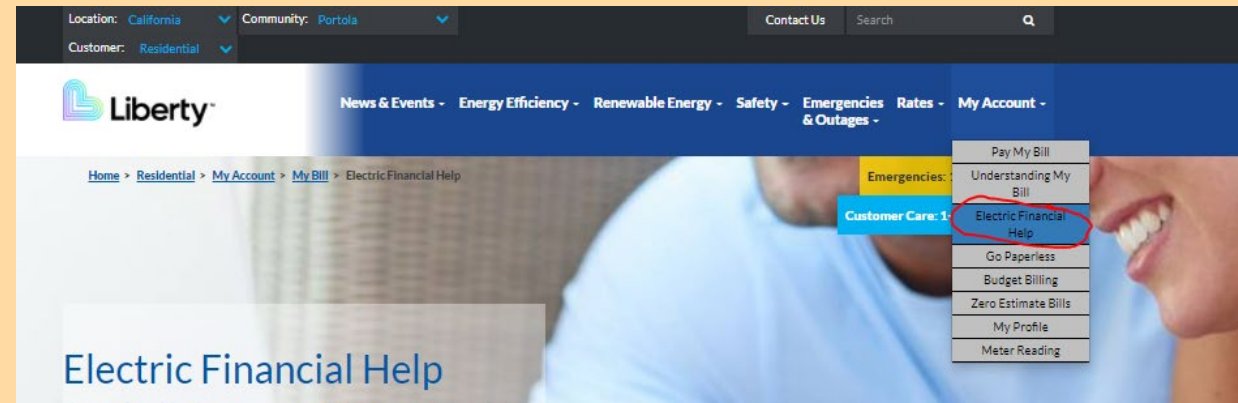






# Medical Baseline and AFN

<https://california.libertyutilities.com/portola/residential/my-account/my-bill/electric-financial-programs.html>



California Public  
Utilities Commission



## Mitigation – Battery Storage

### Battery Storage Devices Provided to Customers

	2019	2020	2021
Battery Storage Devices provided	0	1	0





## Mitigation – Grid Hardening

Initiative – 2020	Planned	Actual
Covered Conductor	Installation of 5 miles of covered conductor in HFTD Tier 2 areas	6.8 miles
Expulsion Fuse Replacement	Replace 750 Fuses	853 Replaced
Grid Topology Improvements: Sagehen Microgrid\Airport Solar	Airport solar and Sagehen online in 2020	Completed
Install System Automation Equipment	Continue with recloser installs already in progress	4 installed
Pole Loading Infrastructure Hardening	Continue pole loading calculations as part of covered conductor program	
Undergrounding Overhead Lines (Rule 20A)	Continue to underground pursuant to Rule 20	.75 miles
Tree Attachment Removal	Remove 60 tree attachments	68 removed
Repairs and G.O. 165 Outcome from System Survey	Complete system wide survey, HFTD3 repairs	On Schedule





# Transparency

## Share Screen and Demonstrate

- Navigating PSPS page
- De-energization and restoration policy
- Address lookup tool
- Maps/Outage Areas
- Other information





# Vegetation Management

## Tree Inventory

- Liberty does not have a complete inventory or estimated number of trees adjacent to or within striking distance of energized transmission and distribution lines.
- Vegetation Management Database only contains records for trees that were inspected and a work request was created.
- Liberty plans to use future LiDAR inspections to create a complete tree inventory.
- Liberty has Vegetation Threat Procedure documenting plan for prioritizing and mitigating tree hazards within specified timeframes according to level of threat.





# Vegetation Management

## Work Summary Table and Current Status

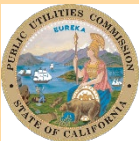
Vegetation Management Work Summary by Probability of Tree Failure 2019 – 2021 YTD		
PROBABILITY OF FAILURE	QUANTITY OF UNITS	PERCENT OF TOTAL
IMMINENT	213	1%
HIGH	4,843	15%
MODERATE	4,702	15%
LOW	21,555	69%
TOTAL	31,313	100%

### 2021 Vegetation Management Work Status

- Over 5,700 work units created from inspections
- Over 7,000 work units completed



# Thank you

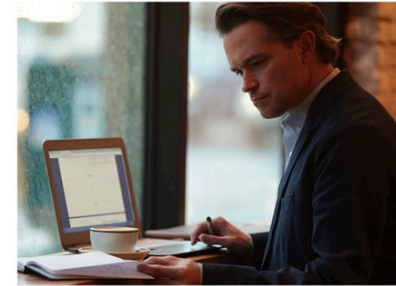


# PacifiCorp

## *Public Safety Power Shutoff (PSPS)*

### *Briefing #2*

*June 30, 2021*



Allen Berreth  
Vice President T&D Operations

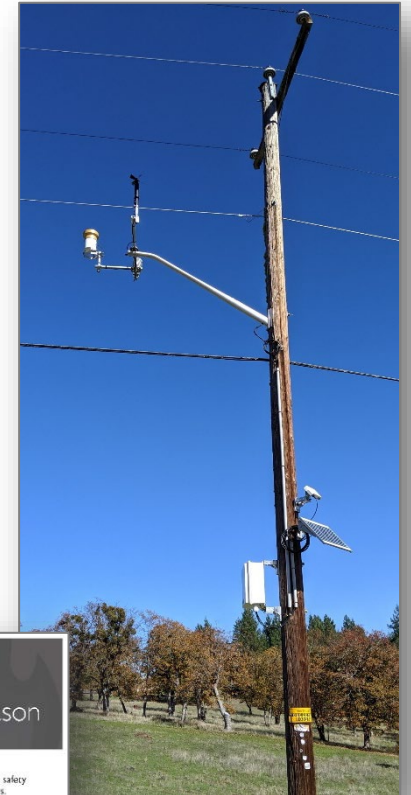


# Introduction

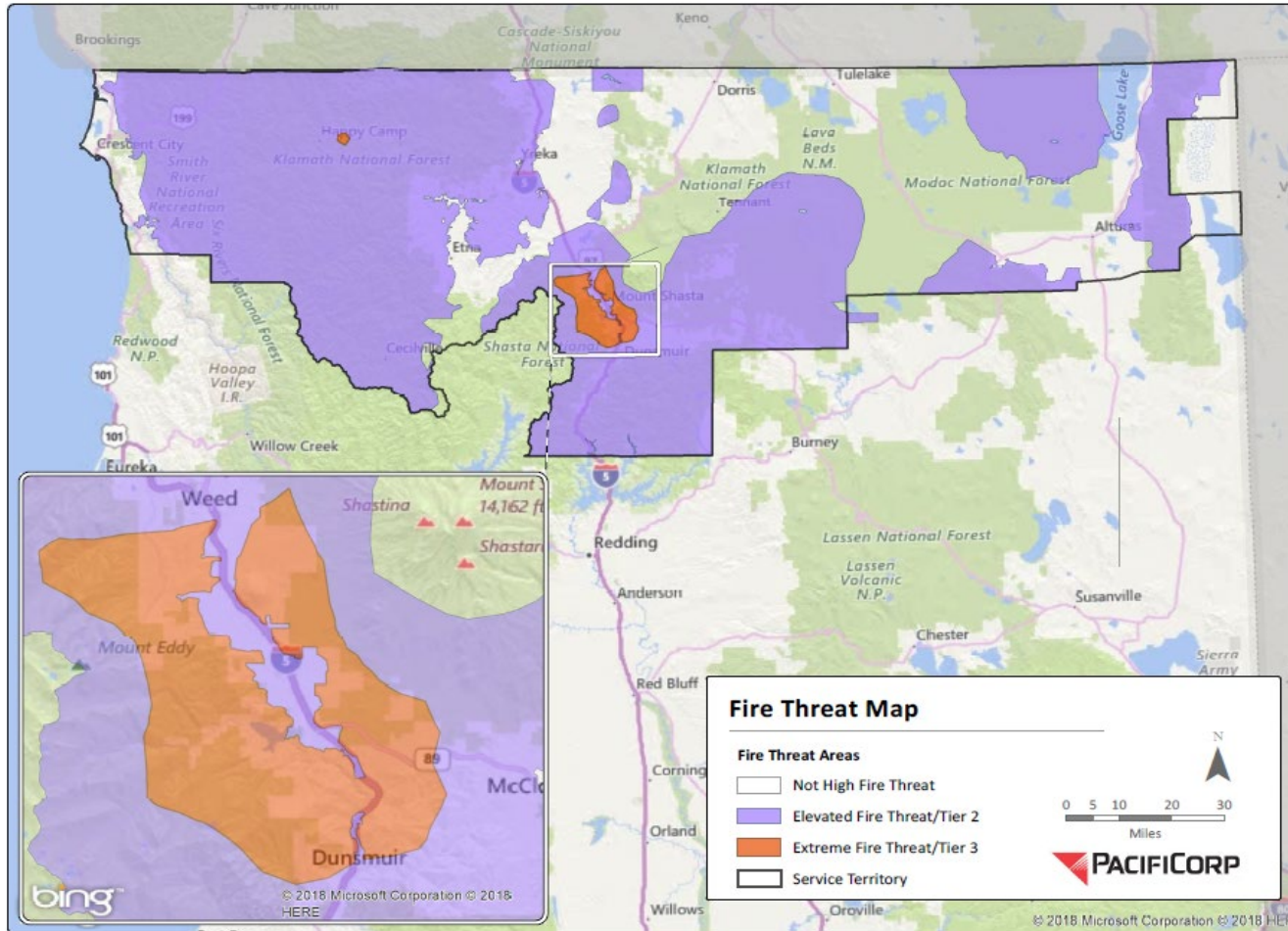
**Presenter:** Allen Berreth, VP of T&D Operations

## Topics:

- Communications Carriers
- Critical Facilities
- Medical Baseline Customers
- PSPS Mitigation
  - Community Resource Centers
  - Backup Generators / Battery Storage
  - EV Charging
- PSPS Transparency
- Vegetation Management



# PacifiCorp's California Service Territory



## General Stats

PacifiCorp provides electricity to approximately **45,000 customers** via **63 substations**, **2,520 miles** of distribution lines, and about **800 miles** of transmission lines across nearly **11,000 square miles** of which just under half is classified as **HFTD**

## HFTD Stats

Approximately **1,200 miles** or **36%** of all overhead lines are located within the HFTD

➔

**850 miles** of overhead distribution lines in the HFTD;

**350 miles** of transmission lines in the HFTD

# Communication Carriers

- PacifiCorp performed outreach to identify primary and secondary operational points of contact:
  - 8 communications carriers
  - 4 located within a PSPS Zone
  - 19 facilities in the PSPS
    - 47% have backup power
  - Primary contact identified for 100%
  - Secondary contact identified for 50%
- Joint Planning Sessions Conducted:
  - June 3, 2020
  - May 25, 2021
  - May 27, 2021
- PacifiCorp continues to look for opportunities to increase coordination with telecommunications and radio customers

Telecomm Providers	Located in CA Service Territory	Located in a PSPS Zone	No. Facilities in PSPS Zones	Backup Power to Facilities	PSPS Specific Name Contact	Primary Contact Number	Secondary Contact	Email Contact
T-Mobile	✓	✓	8			✓		✓
Big Tree Comm	✓	✓	2		✓	✓	✓	✓
US Cellular	✓	✓	5	✓		✓		✓
Siskiyou Telephone	✓	✓	4	✓	✓	✓	✓	✓
Northland Cable	✓				✓	✓	✓	✓
AT&T Mobility (AT&T, Edge Wireless, Pacific Bell)	✓				✓	✓	✓	✓
Verizon Wireless (Air touch Cellular, WorldCom Network Services)	✓					✓		✓
Nextel / Sprint	✓				✓	✓	✓	✓

# Critical Facilities

Category / Type of Critical Facility	Total	Del Norte	Klamath	Modoc	Shasta	Siskiyou
<b>Communications</b> <i>[Radio &amp; Television Towers, Cell Phone Tower]</i>	11	0	0	4	1	6
<b>Water/Sewer/Waste Management</b> <i>[Water Supply Facilities, Waste Management, Hazardous Waste Management (chemicals)]</i>	254	77	1	25	3	148
<b>Residential Care / Specialty Centers</b> <i>[Skilled Nursing Facilities, Retirement Communities, Mental Health Centers]</i>	30	9	0	1	0	20
<b>Medical and Surgical Hospitals</b> <i>[General Hospital, Surgical Hospital]</i>	21	6	0	6	0	9
<b>Social Service Facilities</b> <i>[Family Social Services]</i>	38	12	0	14	0	12
<b>Police / Law Enforcement</b> <i>[Police Offices]</i>	20	3	0	2	0	15
<b>Correctional Institutions</b> <i>[State Correctional Facility]</i>	15	7	0	1	0	7
<b>Fire Protection</b> <i>[Fire Stations]</i>	69	13	0	8	3	45
<b>Total</b>	<b>458</b>	<b>127</b>	<b>1</b>	<b>61</b>	<b>7</b>	<b>262</b>



# Medical Baseline & AFN Customers

## Customers Identified as Medical

Base	2019	2020	2021
Medical Baseline	132	127	126

\*28 Medical Baseline Customers live in a PDZ.



**California**  
Assistance and support programs

**Learn more and apply**

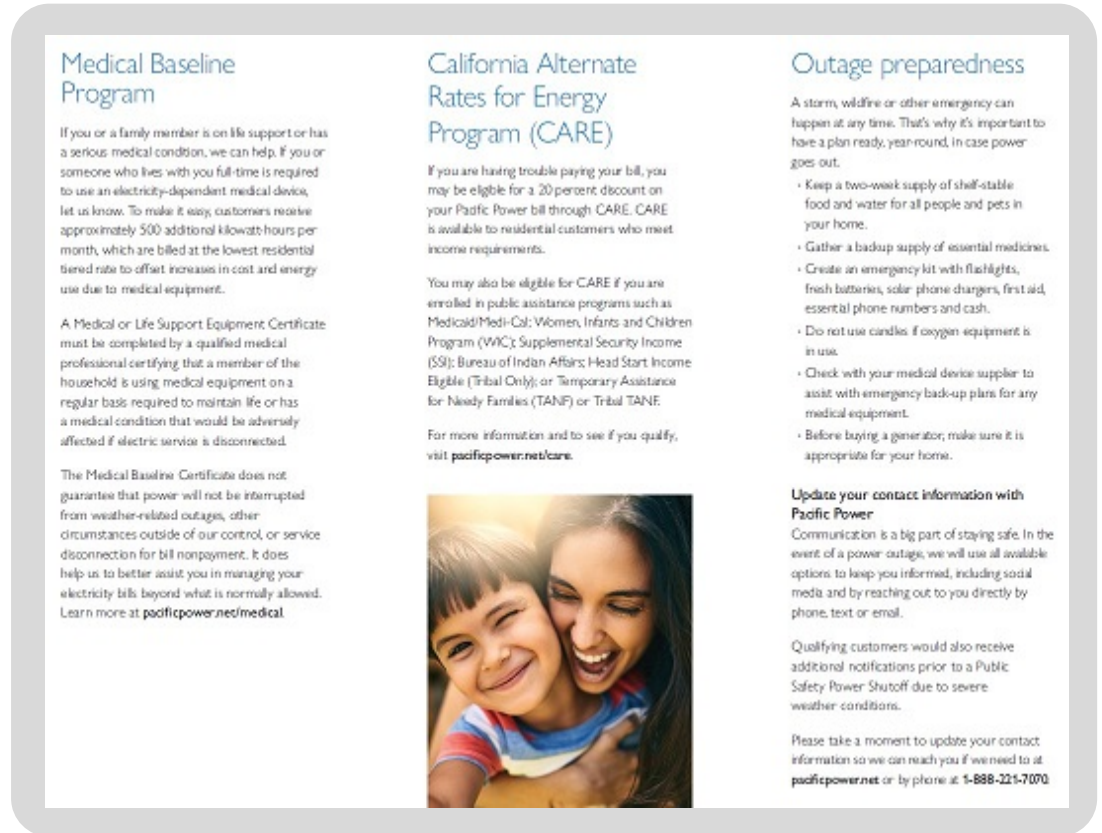
To connect with resources and assistance programs, or for help preparing for potential power outages, please visit [pacificpower.net](http://pacificpower.net) or call 1-888-221-7070.

Si necesita hablar con un representante que hable español, llame al 1-888-221-2611.

**Reassurance and savings**

If you or a family member need assistance, we're here to lend a helping hand. To make it easy, we can connect you with local energy assistance programs, available to income-qualifying households, and through additional electricity allowances for households with qualifying medical conditions.

**PACIFIC POWER**



**Medical Baseline Program**

If you or a family member is on life support or has a serious medical condition, we can help. If you or someone who lives with you full-time is required to use an electricity-dependent medical device, let us know. To make it easy, customers receive approximately 500 additional kilowatt-hours per month, which are billed at the lowest residential tiered rate to offset increases in cost and energy use due to medical equipment.

A Medical or Life Support Equipment Certificate must be completed by a qualified medical professional certifying that a member of the household is using medical equipment on a regular basis required to maintain life or has a medical condition that would be adversely affected if electric service is disconnected.

The Medical Baseline Certificate does not guarantee that power will not be interrupted from weather-related outages, other circumstances outside of our control, or service disconnection for bill nonpayment. It does help us to better assist you in managing your electricity bills beyond what is normally allowed. Learn more at [pacificpower.net/medical](http://pacificpower.net/medical).

**California Alternate Rates for Energy Program (CARE)**

If you are having trouble paying your bill, you may be eligible for a 20 percent discount on your Pacific Power bill through CARE. CARE is available to residential customers who meet income requirements.

You may also be eligible for CARE if you are enrolled in public assistance programs such as Medicaid/Medi-Cal; Women, Infants and Children Program (WIC); Supplemental Security Income (SSI); Bureau of Indian Affairs; Head Start Income Eligible (Tribal Only); or Temporary Assistance for Needy Families (TANF) or Tribal TANF.

For more information and to see if you qualify, visit [pacificpower.net/care](http://pacificpower.net/care).

**Outage preparedness**

A storm, wildfire or other emergency can happen at any time. That's why it's important to have a plan ready, year-round. In case power goes out:

- Keep a two-week supply of shelf-stable food and water for all people and pets in your home.
- Gather a backup supply of essential medicines.
- Create an emergency kit with flashlights, fresh batteries, solar phone chargers, first aid, essential phone numbers and cash.
- Do not use candles if oxygen equipment is in use.
- Check with your medical device supplier to assist with emergency back-up plans for any medical equipment.
- Before buying a generator, make sure it is appropriate for your home.

**Update your contact information with Pacific Power**

Communication is a big part of staying safe. In the event of a power outage, we will use all available options to keep you informed, including social media and by reaching out to you directly by phone, text or email.

Qualifying customers would also receive additional notifications prior to a Public Safety Power Shutoff due to severe weather conditions.

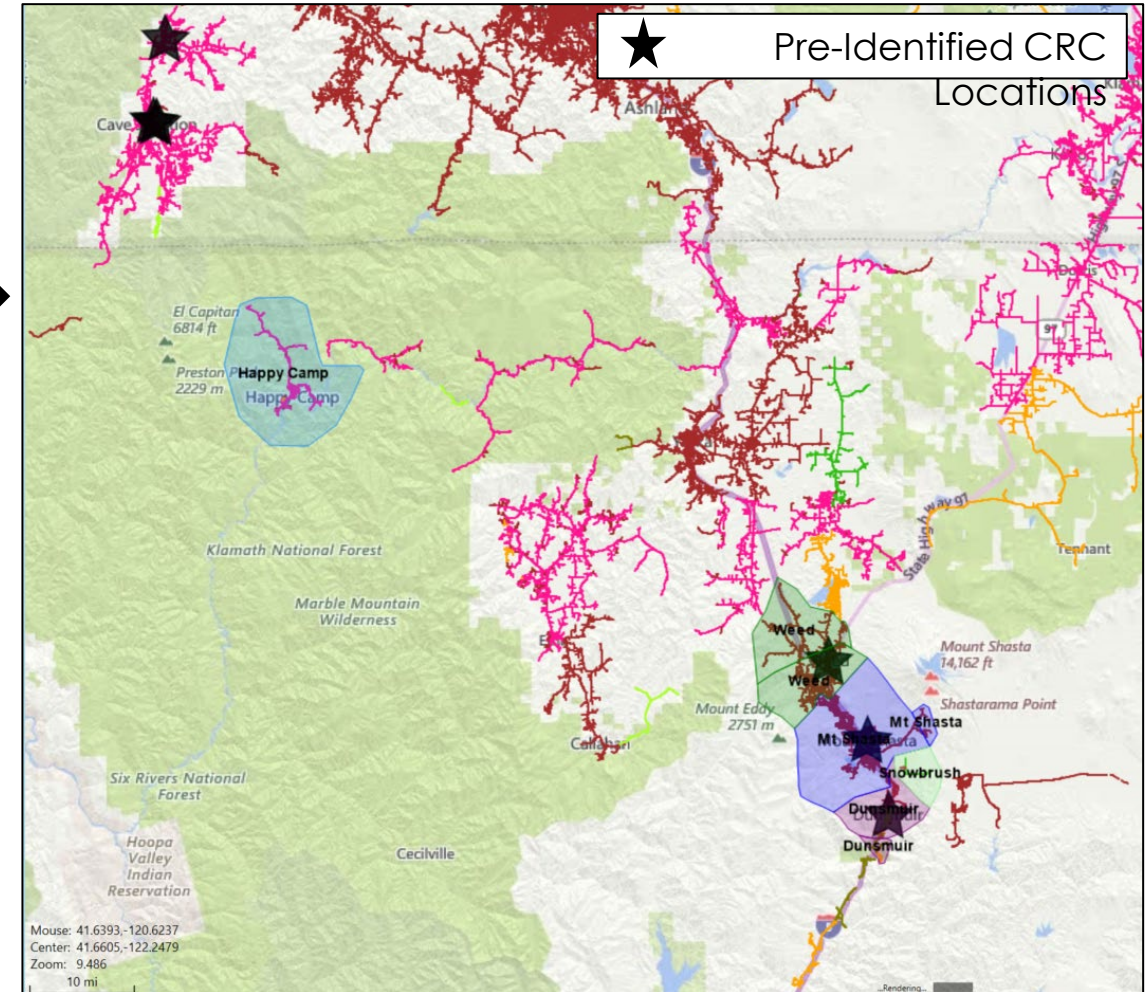
Please take a moment to update your contact information so we can reach you if we need to at [pacificpower.net](http://pacificpower.net) or by phone at 1-888-221-7070.

Placeholder: Screen share to demonstrate accessibility of information available to MBL and AFN customers

# PSPS Mitigation - Community Resource Centers

- Planned / Established CRCs in coordination with county and tribal leadership:

General Area	PSPS Zone Name	CRC Identified
Siskiyou County	Mt Shasta PSPS Zone	Mt Shasta Community Center
	Weed / Snowbrush PSPS Zone	Weed Community Center
	Dunsmuir PSPS Zone	Dunsmuir Community Center
Del Norte County	Cave Junction PSPS Zone	Selma Community Center Cave Junction Senior Center Cave Junction High School



- PacifiCorp has identified 3 CRC locations per county
- Most PSPS Locations are within 10-20 miles of multiple pre-identified CRC locations
- Additional locations can be established quickly during an event if needed

# PSPS Mitigation – Community Resiliency

Pacific Power's Community Resiliency Program includes funding to support Portable Generators, Technical Assistance, and Energy Storage:

## Portable Generators Update

Funding to support the purchase of portable renewable backup generators that may be dispatched to provide power to vulnerable community members during an interruption in the utility power supply.

- 2020: No requests for funding
- 2021: Applications to be accepted July 13, 2021-November 30, 2021

## Technical Assessment Update

Technical assessments to evaluate the potential costs and benefits of adding energy storage and associated technologies to critical facilities

- One project has requested technical support

## Energy Storage Update

Grant funding to support the installation of energy storage at critical facilities.

- 2020: One project requested and was awarded funding.
  - (General Store: 20 kW, 220 kWh storage facility)
- 2021: Applications to be accepted July 13, 2021-November 30, 2021



# PSPS Mitigation – EV Charging

## Mobile and Deployable Electric Vehicle

- PacifiCorp is procuring deployable EV charging equipment for dispatch to impacted communities during PSPS events; equipment will be located at community resource centers

## Charging Network Resiliency

- PacifiCorp has prioritized the hardening of local infrastructure at high use Level 3 charging locations to prevent PSPS impacts to those locations

## Coordinate with EV network Information providers

- PacifiCorp initiated notification protocols for transportation fuel providers, both gasoline and electric, of PSPS events. The company continues to monitor statewide developments to coordinate more closely with EV charging providers.





# PSPS Transparency – Website Demonstration

MY ACCOUNTOUTAGES & SAFETYSAVINGS & ENERGY CHOICES

Public Safety Power Shutoff

< Back to wildfire safety

1

Make sure your contact information on your account is up-to-date to receive outage alerts and updates. You can [sign in to your account](#), or call 1-888-221-7070.

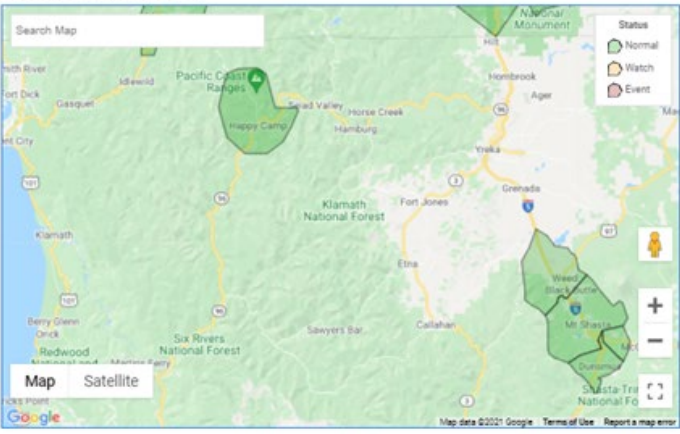
Some areas we serve are at an increased risk of catastrophic wildfires. As a safety precaution, electricity could be turned off in wildfire high risk areas during extreme weather events for public safety in an effort to prevent a fast-moving, hard to fight wildfire. The measure would only be used as a last resort to help ensure community safety.

The goal is to impact as few customers as possible in pre-identified areas through a highly-targeted, circuit by circuit manner in the rare chance a Public Safety Power Shutoff is used.

### Check if you're in a Public Safety Power Shutoff area

The outlined areas on the map represent potential Public Safety Power Shutoff areas. Enter your address below to see if you are located within one.\* You can click on an area of the map to see the zone name that corresponds to the table below.

Search Map



MapSatellite

\*Some customers outside of Public Safety Power Shutoff areas could be impacted by a Public Safety Power Shutoff due to the interconnected nature of the electrical grid.

Public safety power shutoff forecasting							
This table shows the Public Safety Power Shutoff status.							
NAME	TODAY	TOMORROW	2 DAYS OUT	3 DAYS OUT	4 DAYS OUT	5 DAYS OUT	6 DAYS OUT
Azalea / Glendale / Wolf Creek / Sunny Valley	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Cascade-Siskiyou NM	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Dunsmuir	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Happy Camp	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Hood River / Wasco Rural	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Hood River Urban (SE)	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Hood River Urban (West)	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Illinois Valley	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Lost Creek Lake	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Merlin	Normal	Normal	Normal	Normal	Normal	Normal	Normal

WILDFIRE SAFETY

Staying safe during wildfire season

As wildfires become more frequent and intense throughout the West, our focus is on keeping you and your community safe. Protecting you from this increasing threat, while providing you with safe, reliable power, is our highest priority.

Here's what we're doing, and what you can do to stay prepared.

What we're doing

Reducing wildfire risks

We're taking proactive steps to keep the communities we serve safe. To prevent wildfire ignition in high-risk areas, we may turn off power along specific circuits. This is called a Public Safety Power Shutoff.

PUBLIC SAFETY POWER SHUTOFF

Understanding public safety power shutoffs

We're taking proactive steps to keep the communities we serve safe. To prevent wildfire ignition in high-risk areas, we may turn off power along specific circuits. This is called a Public Safety Power Shutoff.

Why would a Public Safety Power Shutoff happen?


No amount of preparation can eliminate all wildfire risk. While we won't fault our plans away from our power lines, during these times, some natural causes can be dangerous. Even during times of high winds, when strong winds are combined with high temperatures, low humidity and other conditions, the risk of sparks that might ignite a wildfire.


In these cases, turning power off in affected areas may be necessary to ensure the safety of your community. We trust the decision to preemptively shut off high-risk areas is a very serious one and we expect that Public Safety Power Shutoffs will occur very rarely.


What risk factors do we monitor?


Public Safety Power Shutoffs will be initiated only in specific, pre-planned areas when on-the-ground conditions create an extreme wildfire risk.

We monitor a range of factors before triggering a Public Safety Power Shutoff including:

 DRY VEGETATION and other weather-related factors

 HIGH WINDS

 LOW HUMIDITY

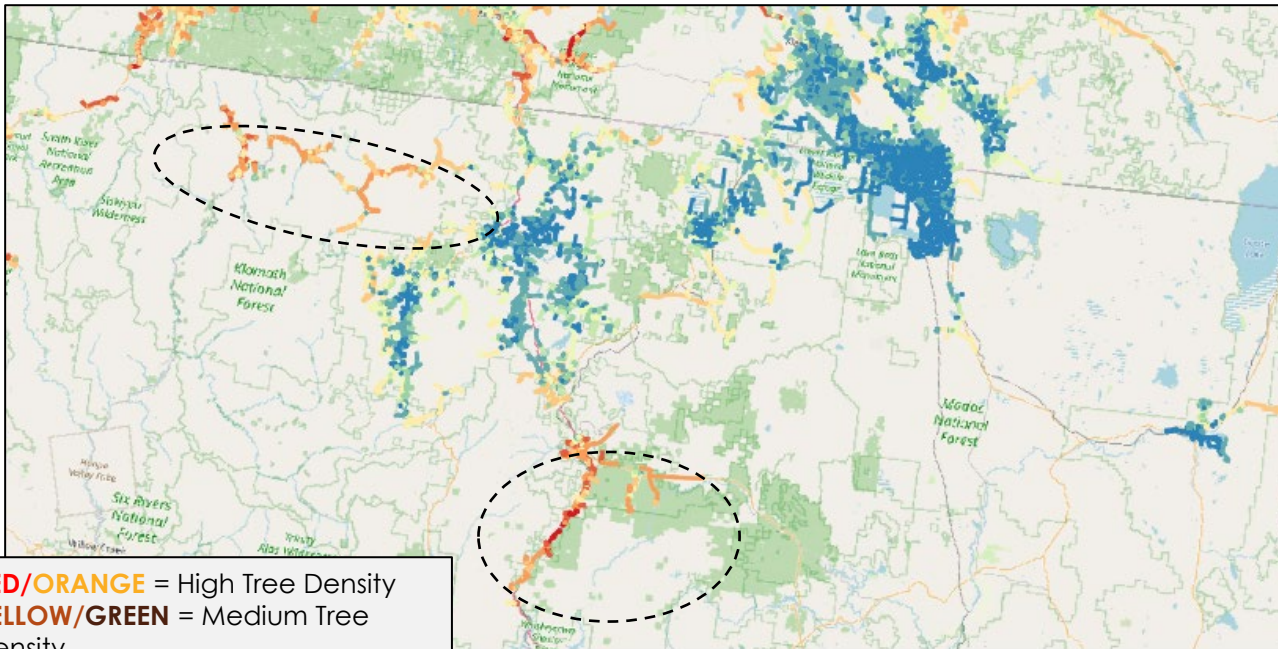
 REAL-TIME OBSERVATION by on-the-ground field reports

POWERING YOUR GREATNESS

41

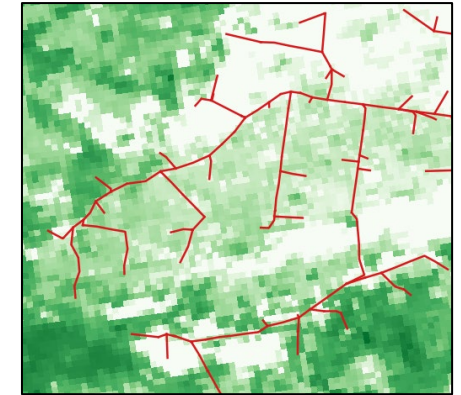
# Vegetation Management

- PacifiCorp does not specifically track or maintain a tree inventory
- Instead, tree canopy data is leveraged as a proxy to inform relative vegetation density and threats
- This data informs risk modeling and vegetation trimming prioritization
- Hazards are mitigated through interim and cycle work as well as off cycle inspections/corrections



**RED/ORANGE** = High Tree Density  
**YELLOW/GREEN** = Medium Tree Density  
**BLUE** = Low Tree Density

Excerpt of PacifiCorp's Vegetation Risk Map to Demonstrate Qualitative Vegetation Risk and Density



National Land Cover Database Tree Canopy Cover and PacifiCorp Distribution Line outside Greenview, California — Darker color indicates more tree density

## 2020 Program Summary:

2020 Line Miles Complete (cycle)	909 line-miles
2020 Trees Removed (includes threat trees)	2,895 trees

## 2021 Program Update:

2021 Line Miles Complete (cycle)	620 line-miles
% Complete of 2021 Plan YTD	~50%
Total Trees Removed (which includes threat trees)	1,245 trees

# Thank you

# Closing Remarks

Survey form – distributed after the briefing via email using the Microsoft Teams platform.

## Schedule of Remaining Briefings

- ❖ SDG&E Staff Briefing #2 – July 1<sup>st</sup> 1:00 p.m. – 3:00 p.m.
  - ❖ PG&E Staff Briefing #2 – July 2<sup>nd</sup> 10:00 a.m. – 12:00 p.m.
- 
- ❖ SMJU Public Briefing – August 2<sup>nd</sup> 9:00 a.m. – 12:00 p.m.
  - ❖ SDG&E Public Briefing – August 2<sup>nd</sup> 2 p.m. – 5 p.m.
  - ❖ SCE Public Briefing – August 3<sup>rd</sup> 9:00 a.m. – 12:00 p.m.
  - ❖ PG&E Public Briefing – August 3<sup>rd</sup> 1 p.m. – 4 p.m.



# California Public Utilities Commission

Questions?

Contact Dru Dunton at [dd4@cpuc.ca.gov](mailto:dd4@cpuc.ca.gov)