



Safety Culture & Public Safety Power Shutoffs

August 20, 2026

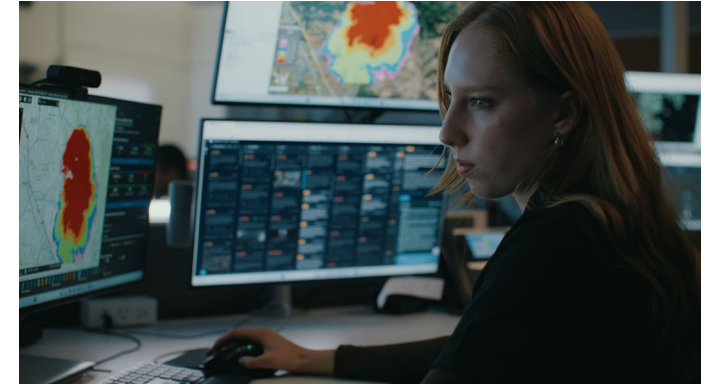
Ryan Flynn | President, Pacific Power

Curt Mansfield | Senior Vice President, Power Delivery

Carrie Laird | Vice President, Wildfire Mitigation and Emergency Operations

Agenda

- PacifiCorp service area overview
- Safety culture and governance
- Grid safety: risk, technology and repairs
- Public Safety Power Shutoff (PSPS)
- Question and answer



PacifiCorp's
service area

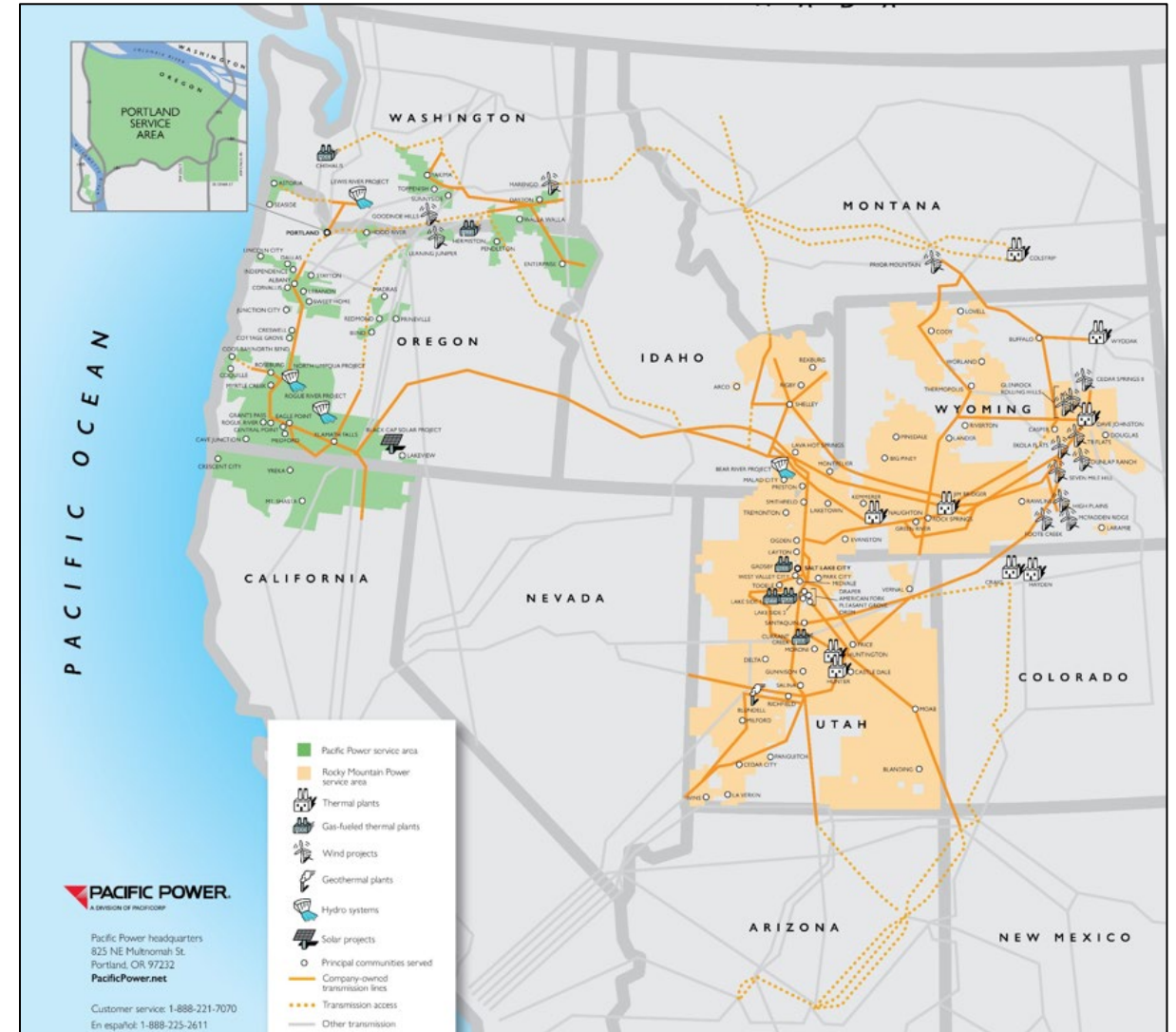


PacifiCorp service area

- Two divisions, six states
 - Pacific Power | Rocky Mountain Power
- Approximately 5,200 employees
- 2.1 million electricity customers
- 141,500 square miles over six states
- 17,500 miles of transmission

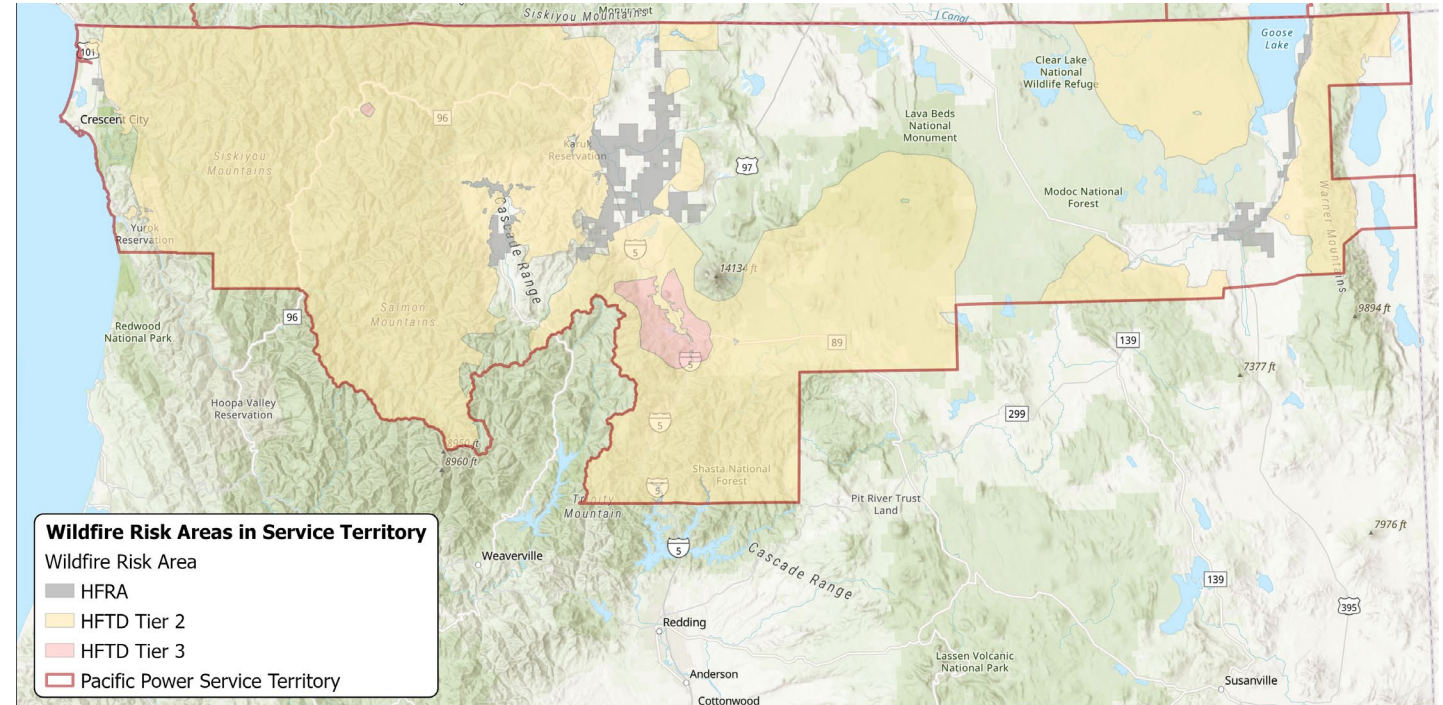
Experienced with wildfire

- 2,537 fires monitored so far in 2026
 - **59% more than same period in 2025**
- CA: milder start in Pacific Power territory
- OR: 2M+ acres burned, surpassing 2024
- WA/UT: both having one of most destructive seasons on record



PacifiCorp's California service area

- Approximately 46,000 customers
 - 11,250 square miles
 - **4 customers per square mile**
 - 59 substations
 - 3,100 miles of distribution
 - 710 miles of transmission
- Located in HFTD and HFRA
 - Over 60% of service area (sq. miles)
 - Over 40% of customers



Customers Served Per Square Mile

PacifiCorp	Liberty	Pacific Gas and Electric	Southern California Edison	San Diego Gas and Electric	Bear Valley Electric Service
4	32	79	101	350	775

Safety culture
and
governance

Safety governance and integration

PacifiCorp's safety governance and integration of safety principles in our business are guided by our core principles

- Engaged and vocal frontline and management-level safety committees
- Leadership solicitation of near misses, suggestions and other safety lessons learned
- Management-worker partnership on rules, tools, and other input-critical safety elements
- Trust-building management follow-through on suggested corrective actions

Core Principles

- | | |
|---|--|
|  Customer Service |  Regulatory Integrity |
|  Employee Commitment |  Operational Excellence |
|  Environmental Respect |  Financial Strength |



Assembly Bill 1054 impacts and benefits

PacifiCorp wants to enable a culture where employees feel empowered to speak up when they see safety issues or have suggestions

Maintained

- A target of zero injuries and crashes
- Weekly top-level review of safety performance
- Annual assembly of safety improvement plan



Added

- Implemented a company-wide scale safety culture assessment
- Formalized corrective action tracking
- Targeted tracking of employee and contractor serious injuries (SIF)
- The addition of leading indicator tracking (corrective actions, crew visits, safety reporting)

TARGET **ZERO** 

Outcomes

- Heightened emphasis on PacifiCorp's annual Safety Improvement Plan process
 - With incorporation of culture assessment-driven improvement
- Strengthened intrinsic drivers for improvement
 - Corrective Action Program
 - Increased safety reporting (employee engagement, "speak up")
 - Enhanced safety leadership training program

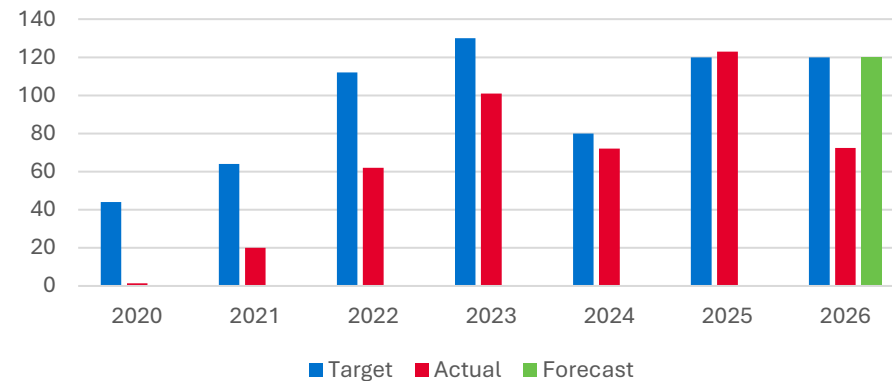
Grid safety:
risk,
technology
and repairs



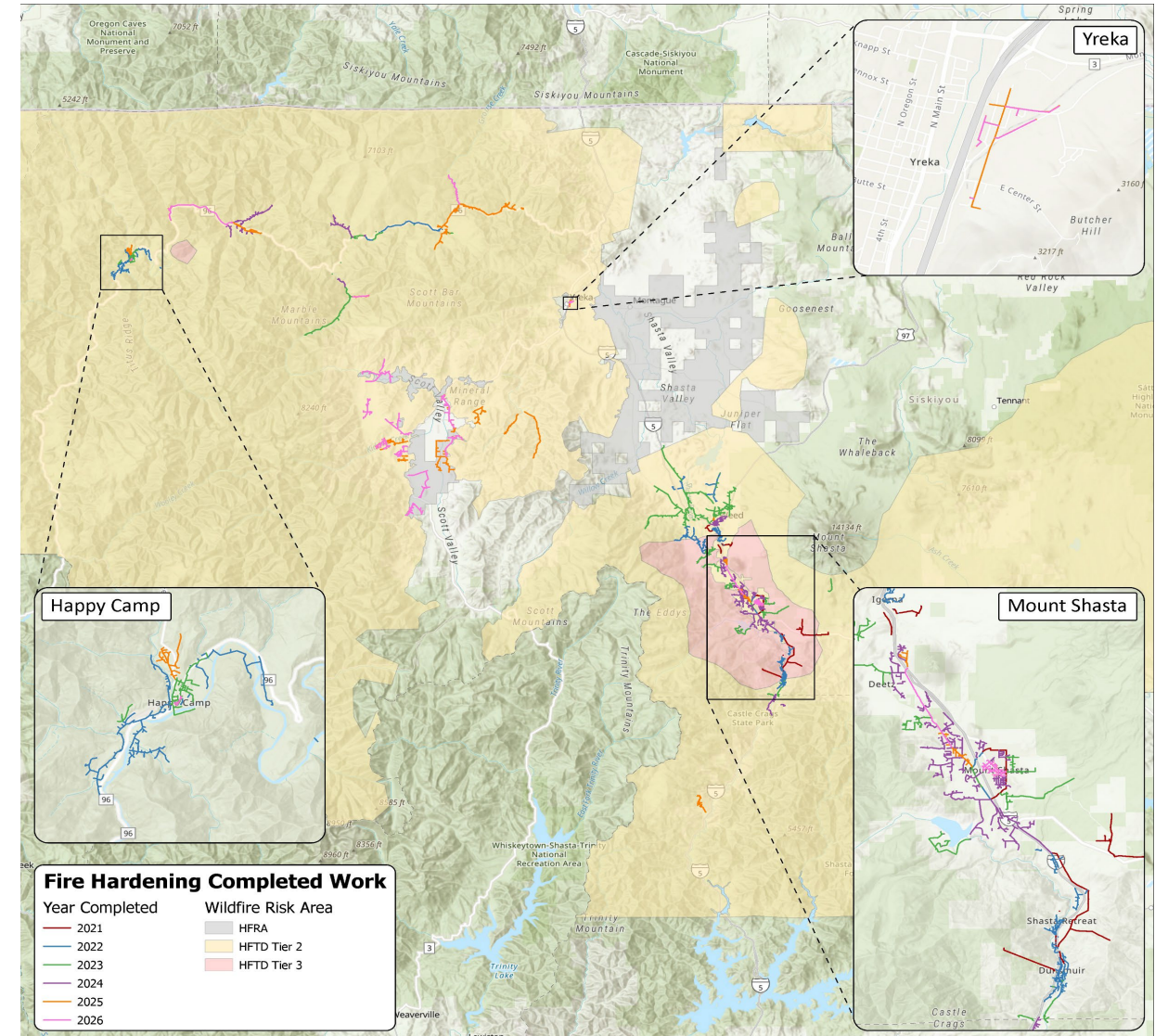
PacifiCorp achievements

Continuous improvement in hitting targets for system strengthening year over year

Annual System Strengthening Target vs. Actuals



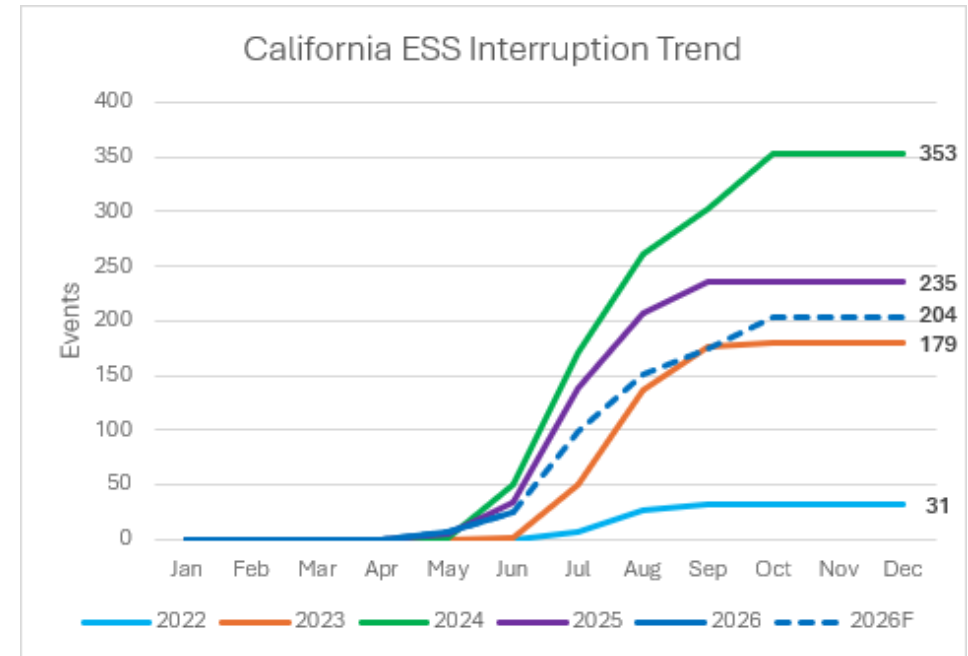
Risk area	Total circuit miles	Strengthened circuit miles	% of total
HFTD Tier 3	39.8	39.7	99.7%
HFTD Tier 2	750.6	306.8	40.9%
HFRA	478.5	25.5	5.3%
Non-HFTD/HFRA	1,200.2	7.9	0.7%
Total	2,469	379.8	15.4%



PEDS forecasting

Building a smarter, stronger system leads to fewer customer impacts

- **Distributed Sensor Analytics and Insights Platform**
 - cFCI, SCAN, AMI grid-edge sensor integrations enables event analysis with wholistic overview of temporally and spatially aligned data
 - Sensor activity mapped to known outages, classification engine detects sensor activity outside of known outage windows for further analysis
- **Dedicated Device Analytic Portals: cFCI, SCAN, AMI**
 - Enhanced fleet health tracking and device management capabilities
 - In-depth data analytics, enabling development of pattern-based and machine learning algorithms
- **Situational Awareness: cFCI, SCAN, EFD**
 - Distribution cFCI: 647 in California; completed
 - SCAN Reclosers: 39 in California; 10-sites completed YTD
 - EFD Line Sensors (Pilot): On track, site inspections planned



HFTD/HFRA Experience	2022	2025	2026
Customers	19,776	26,574	26,768
Reclosers	23	56	58
Customers/Reclosers	859.8	474.5	461.5
Avg. ESS Outage Duration (hrs.)	5.0	3.9	2.6

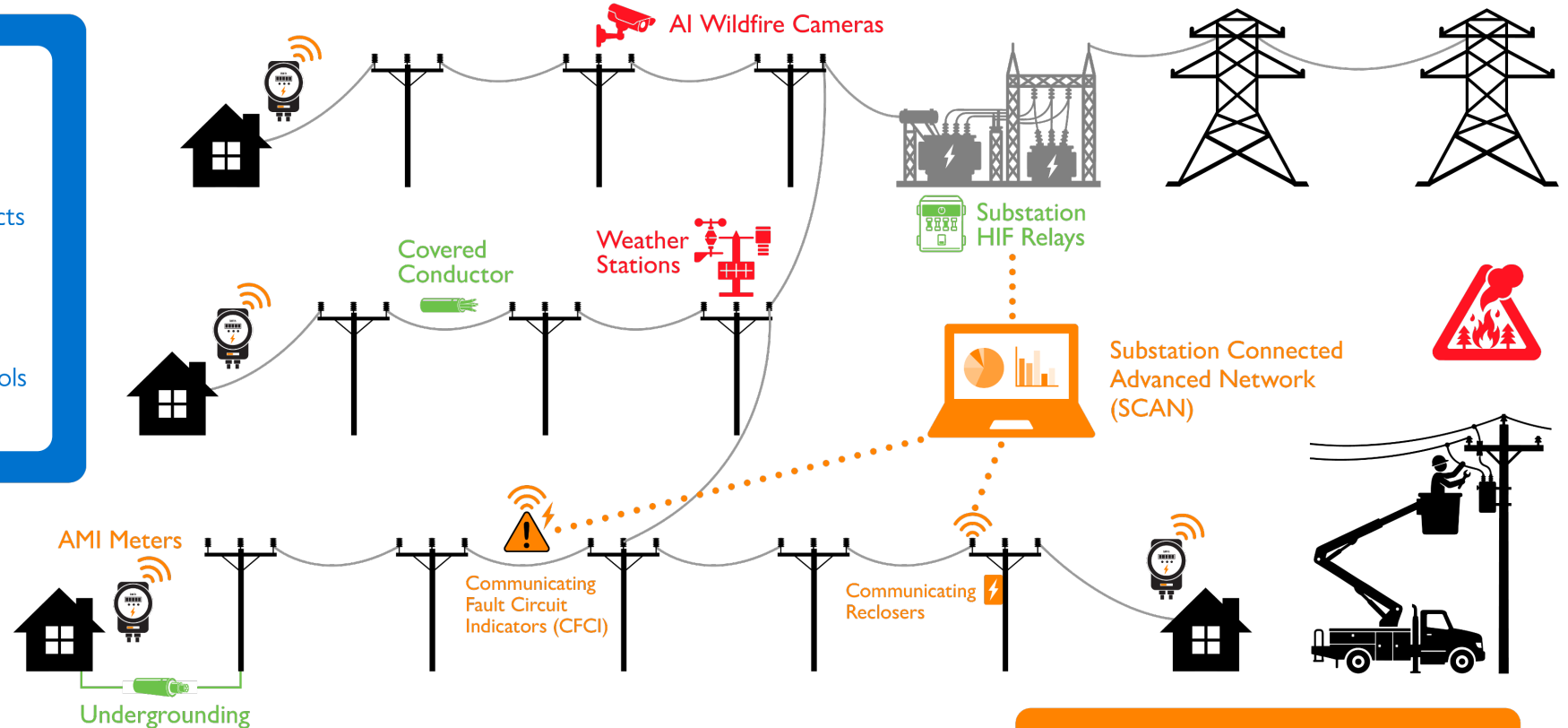
Leveraging technology for mitigation

Common Operating Platform

We are creating a common operating picture that connects the data from each software platform, overlays processes, analytics and decision-driven workflows to transform complex technologies and tools into a single pane.

Utilized across internal stakeholders to maintain transparency and clear roles and actions:

- Meteorology
- Wildfire Intelligence Center
- Wildfire Response
- System Operations
- Field Operations
- Customer Service
- Corporate Account Management
- Corporate Communications



Situational Awareness

- Weather Research and Forecast Model
- Fire Simulation Modeling and Analytics
- Advanced application interface with fire tracking and social listening tools
- Weather Station and AI Wildfire Camera Integration
- AI detected Radio Dispatch – Fire Agencies

System Strengthening

- Installation of devices in the field
- Covered conductor
- Undergrounding
- Substation HIF Relays

Operational Practices

- Early fault detection technologies
- Modeling & enabling Enhanced Safety Settings
- Modeling & enabling Public Safety Power Shutoff
- Automated communications for most operational practices
- Customer outage map updates for all operational practices
- Integration with Outage and Energy Management Systems

Improving operating decisions

Leveraging integrated intelligence and public safety partnerships

Intelligence sources

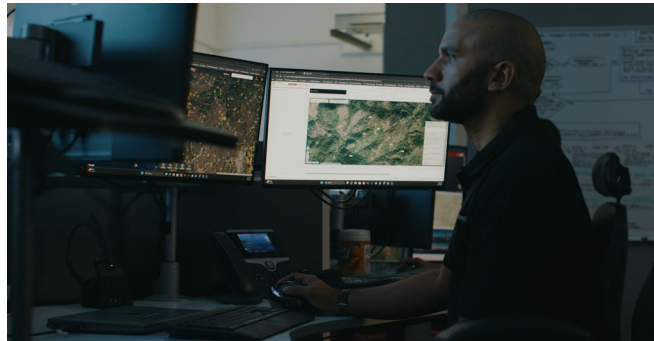
AI wildfire cameras

Weather stations

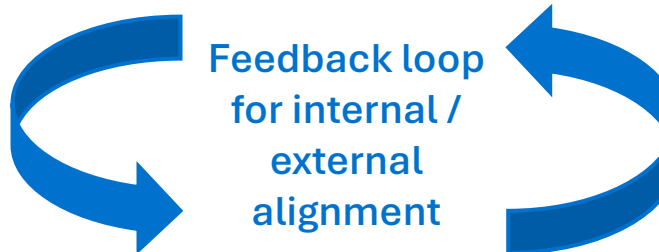
External data GIS overlay

Fire CAD and radio traffic

Common operating picture



Detect | Validate | Prioritize | Communicate



Decision and action

Control center and operations

Fire Agency / Public Safety Partners

Emergency Management / Emergency Response

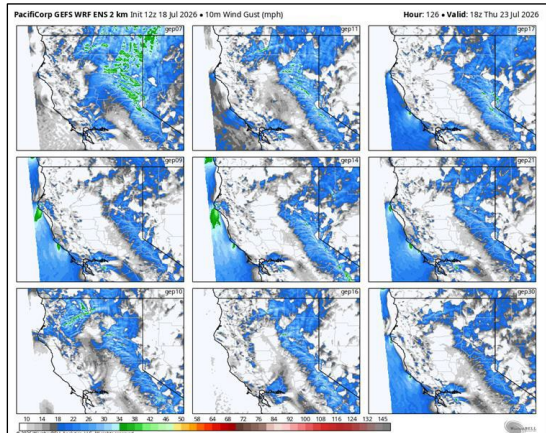
Outcomes: Faster threat identification | Improved situational awareness | Consistent PSPS decision support | Stronger public safety coordination

Forecasting tools

Using GIS tools to improve forecasting and inform decision making

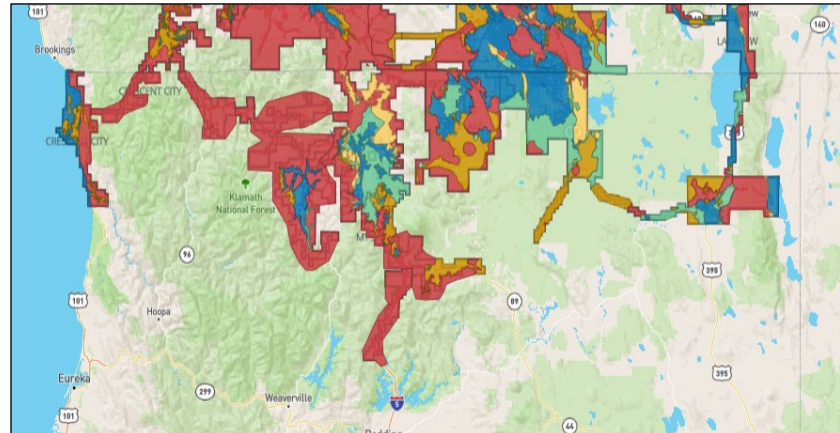
Multi-member Weather Research Forecast ensemble

- Nine-member ensemble
- Identifies high impact, low probability events
- **Multiple visualization options**



AI/machine learning techniques

- Normalized difference vegetative index
- Weather station bias corrected Weather Research Forecast model



Wildfire fuel and terrain polygons

- **Polygons for which wildfire is forecasted for across the service territory**
- **Developed from asset level GIS data layer and subject matter expertise**
- Classification levels are determined from fuel and terrain type
- **Supports operational decisions such as enablement of enhanced safety settings.**

Ignition drivers and equipment failure

People-process-technology approach for identification and reduction of ignition drivers and equipment failure

Ignition drivers

People

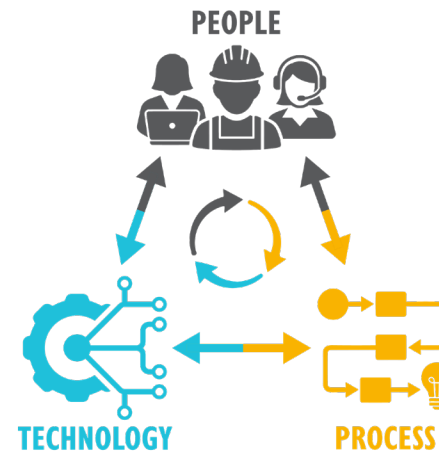
- Training field personnel on ignition drivers and form changes

Process

- Streamline data collection process
- Incorporate ignition driver information into corrective action process

Technology

- Data integration capabilities across teams
- Centralized database for tracking ignition events



Material failure process

People

- Automatic notification to complete material failure reports
- Focused employee training and outreach

Process

- Improved search capabilities
- Improved reporting

Technology

- Migration of material failure tracking to new database
- Integration of database to outage tracking
- Automatic notifications to field personnel

Mobile Data Management System (MDMS)

Ensuring WMP initiatives are met by using legacy systems

In transition

- PacifiCorp continues to use two MDMS systems
 - Completing work started in the New MDMS and starting new work in the Legacy MDMS
- PacifiCorp continues to coordinate with the New MDMS vendor to address issues and will continue to evaluate potential for future use
- Continuing to work with legacy MDMS vendor to identify potential changes that improve data quality
- Weekly meetings with both vendors are ongoing



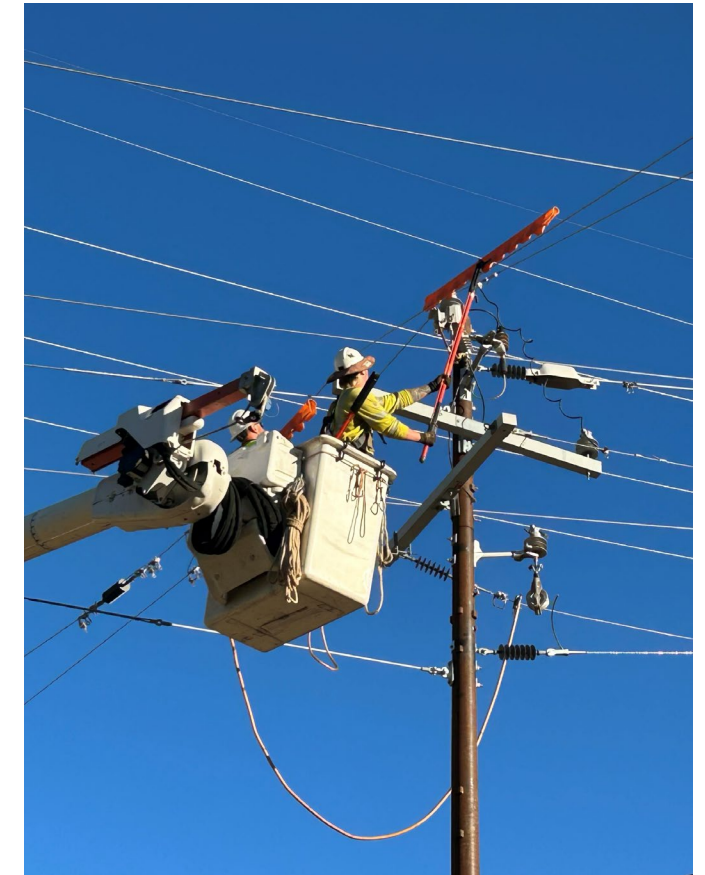
Asset maintenance and repair

Methodology

Priority Level	Energy Release Risk	Non-HFTD OR Non-HFRA	HFTD Tier 2 OR HFRA	HFTD Tier 3
Priority 1	All	Immediately	Immediately	Immediately
Priority 2	Y	36 Months	12 Months	6 Months
	N		36 Months	36 Months
Priority 3	N	60 Months	60 Months	60 Months

Current status

Priority Level	Energy Release Risk	Past Due as of March 2025 (WMP)	Past Due as of End of Q2 2026	% Change
Priority 1	All	0	0	0%
Priority 2	Yes	80	32	-60%
	No	361	300	-17%
Priority 3	No	0	0	0%
Total		441	332	-25%



Public Safety Power Shutoff (PSPS)



Public Safety Power Shutoff (PSPS)

Insight from other PacifiCorp states' PSPS events and partner exercises

- Utah PSPS 2025, Utah PSPS 2026
- **Customer notifications are critical**
 - Ensure current process flows and tooling meets regulatory requirements for PSPS timelines.
 - Utilize existing customer communication preferences to reduce unnecessary outbound calls alleviating bandwidth limitations in rural areas.
- **PSPS training and exercise scenarios will be more broadly delivered to field operations teams**
 - Expand the PSPS training scenarios to evaluate how to scale for simultaneous events.
 - Allows all field operations teams dedicated time in the PSPS tools available for isolation and resource planning.
- Exercise with local partners
 - [Modoc County exercise \(April 2026\)](#)
 - [Del Norte County exercise \(June 2026\)](#)



Connecting with vulnerable customers and local communities on PSPS

Wildfire Advisory Board expansion

20 participating organizations, including **five new members**:

- 211 California
- Planning Service Area 2 on Aging
- Quartz Valley Indian Reservation Administrator's Office
- Tri-County Independent Living
- United Way of Northern California

Access and functional needs communications and outreach tools

Updates to materials and distribution of:

- Accessibility programs webpage
- Tenant preparedness flyer
- **Self-Certification form**
- Accessibility programs toolkit for partners
 - **Q1 2021: 247 customers**
 - **Q2 2026: 2,956 customers**

Yreka Wildfire Open House

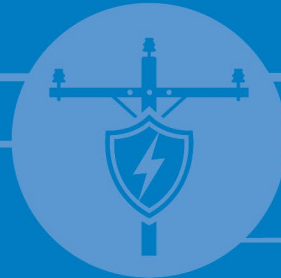
Pacific Power's **first wildfire community event in California**

- May 7, 2026
- Partnered with US Forest Service and Siskiyou Fire Safe Council

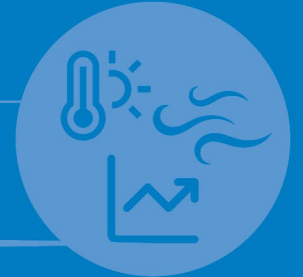


Q&A

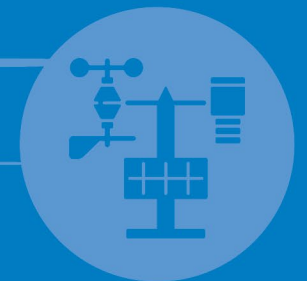
SYSTEM STRENGTHENING



WEATHER MONITORING



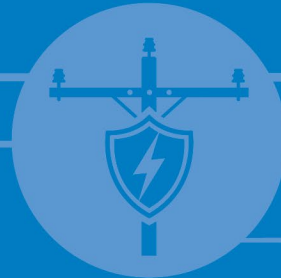
VEGETATION
MANAGEMENT



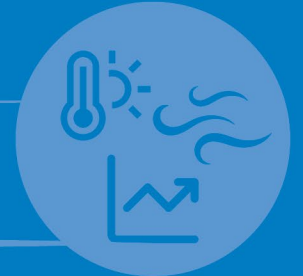
TECHNOLOGY

Thank
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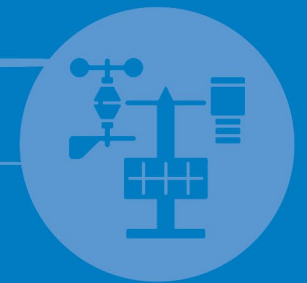
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