

Clean Energy Planning Engagement Series for Oregon Tribal Nations

May 31, 2024

Clean Energy Planning Engagement Series for Oregon Tribal Nations

May 31, 2024, 9:00-11:00 a.m., PT

For a Better Meeting Experience



- Use Gallery View (icon at top right) when in group discussion



- For technical support, chat "Tag G-D / E Source" as recipient, and send your message

- Questions are welcome at any time



- Please mute until speaking
- Speak by clicking the "Raise Hand" in the tool bar

	AGENDA
	Check In & Closing the Loop
	Community Benefit Indicators (CBIs) Activity
	Wildfire Forums & Engagement
	Next Steps

Collaborators



Christina Medina
Manager, Stakeholder
Policy & Engagement



Laura James
Program Manager,
Customer Solutions



 **Source**
Morgan Westberry



Kimberly Alejandro
Equity Analyst



Hallie Frazee
Wildfire Mitigation
Communications Program
Manager



 **Source**
Jeffrey Daigle



Closing the Loop from Last Meeting

April's Focus:

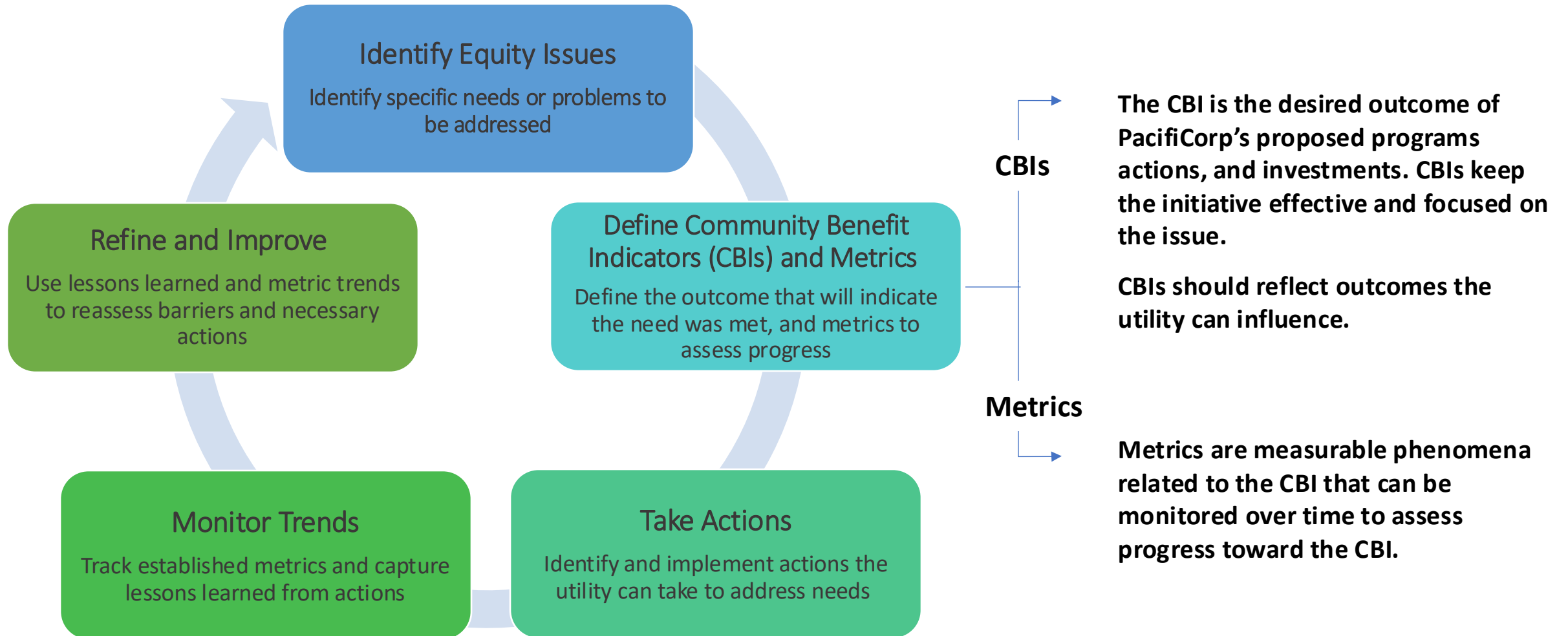
- An overview of Oregon rate case basics and updates – including the commission process and the rate adjustment effective January 1, 2025
- Revisiting Community Benefit Indicator (CBI) framework and development as it relates to incorporating tribal perspectives

What makes us successful?

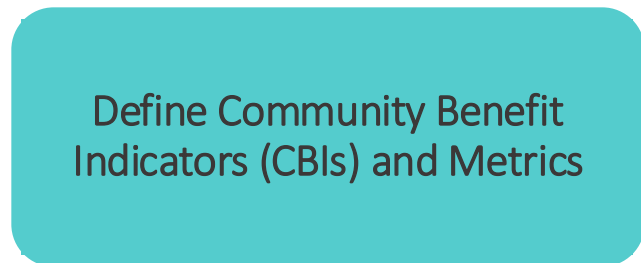
Community Benefit Indicators (CBIs)

Giving an Initiative Structure

Initiative Planning Process



Incorporating Tribal Perspectives



TODAY

As a group, identify specific equity issues that the Tribal communities want the Clean Energy Plan and the CBI Framework to address

NEXT MEETING

Review PacifiCorp's proposed updates to CBI Framework based on issues raised

PacifiCorp's Current CBI Framework

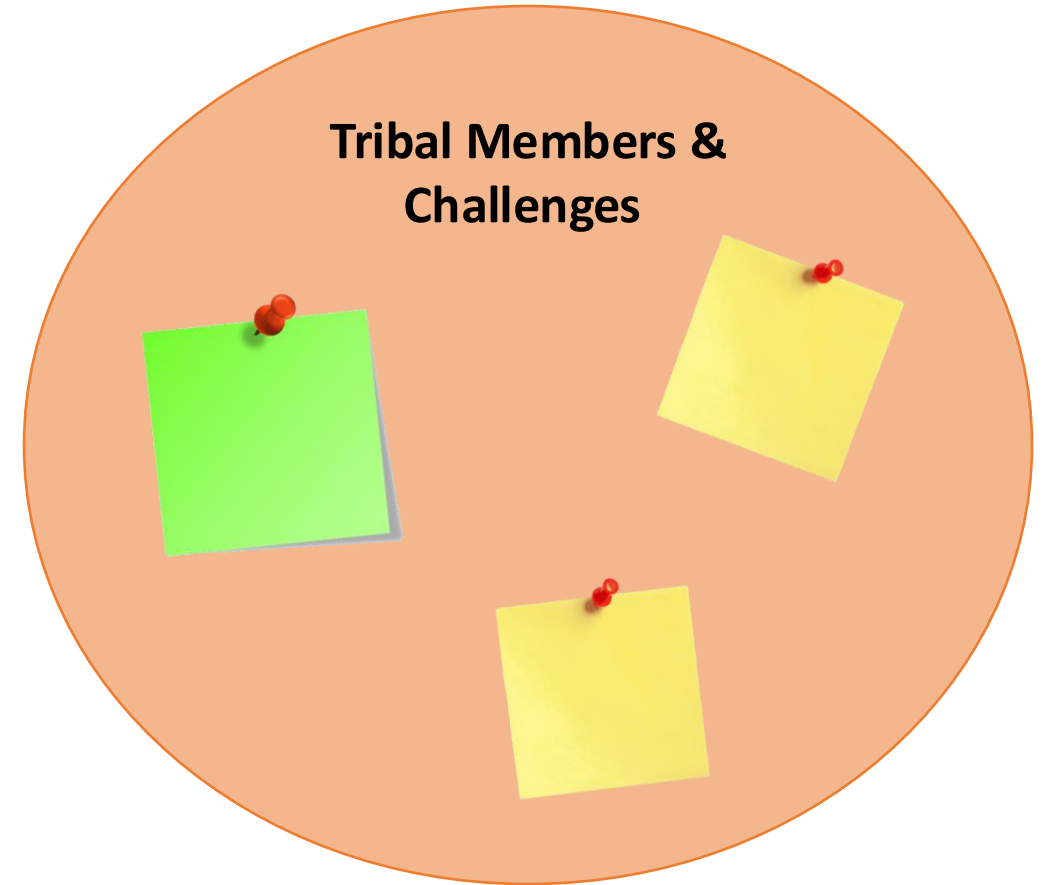
CBI Topic Area	CBI (Outcomes)	Metrics
1) Resilience	a) Improve Resiliency of Vulnerable Communities During Energy Outages	SAIDI, SAIFI, CAIDI at area level including major events
	b) Reduce Frequency and Duration of Energy Outages	Energy Not Served (ENS) for IRP portfolios are included as an output from portfolio development
2) Community Health & Well-being	a) Decrease Residential Disconnections	Number of residential disconnections by census tract
3) Environment	a) Increase Energy from Non-emitting Resources and Reduce CO2e Emissions	Oregon GHG emissions (from Oregon-allocated resources)
		Oregon allocated renewables
4) Energy Equity	a) Decrease Proportion of Households Experiencing High Energy Burden	Average Energy burden by census tract, for low-income customers, bill assistance participants, Tribal members and for all customers
	b) Increase Efficiency of Housing and Small Businesses in Disadvantaged Areas*	TBD
5) Economic	a) Increase Community-Focused Efforts and Investments	Headcount of DSM program delivery staff & grants
		Public charging stations
		Pre-apprenticeship / educational program participation
		Energy supply resource development - workforce and spend
	b) Reduce Barriers for Disadvantaged Communities for Company Program Participation*	TBD

*Added Fall 2023

Advisor Activity | Identifying Key Challenges

Breakout Group: Discuss Tribal member needs within your communities and identify the different challenges to meeting those needs.

Goal: Provide a list of membership needs in your Tribal communities and identify the challenges members face in trying to meet those needs. Which Tribal member populations face these challenges? (Tribal families, Elders, veterans, etc.)



Breakout Group A

Impacted Tribal Members & Groups	Challenges to Meeting Tribal Member Needs

Breakout Group B

Impacted Tribal Members & Groups	Challenges to Meeting Tribal Member Needs

BREAK

Wildfire Mitigation

Overview

General Stats

- Pacific Power provides electricity to approximately **642,000+ Oregon customers** via about **200 substations**, **19,800+ miles** of distribution lines, and about **3,000+ miles** of transmission lines across nearly **21,000+ square miles**

System-Wide Initiatives

- Situational awareness
- Weather station network
- Operational practices
- Community education and outreach

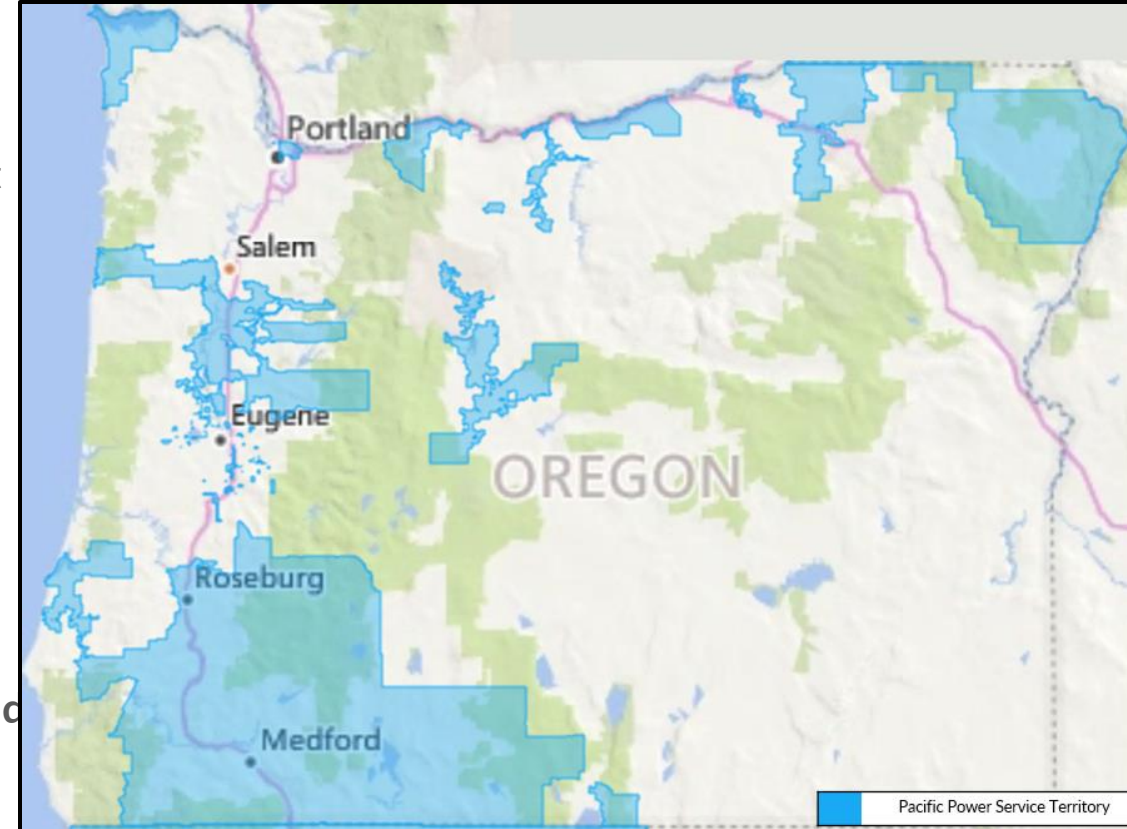
Program Improvements

- **Increased** frequency of asset inspections
- **Enhanced** vegetation management
- Covered conductor Installation
- **Advanced** protection and control
- Expulsion fuse **replacements**

2023 Accomplishments

- Replaced **100+ miles** of bare conductor with **insulated** covered conductor
- Upgraded **75+ reclosers, relays, and circuit breakers** for enhanced protection and control
- Installed **7,900+ expulsion fuses**

Oregon Service Territory



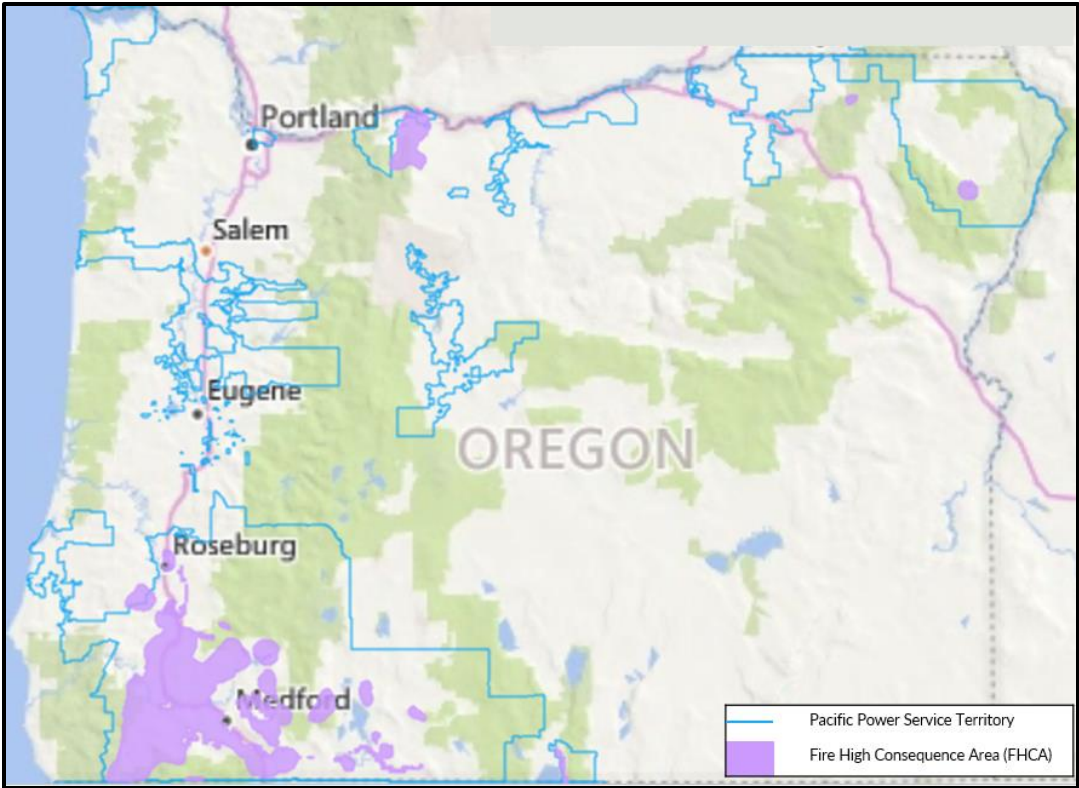
Areas of Heightened Risk of Wildfire

Fire High Consequence Area

- Pacific Power has updated its baseline risk analysis and identified new **Fire High Consequence Area (FHCA)**. The new FHCA encompass approximately 3,655 overhead line miles and 21% of Pacific Power’s service territory in Oregon.

	Total State	Historic FHCA	% of Service Territory	2024 Additions	% of Service Territory	Total New FHCA	% of Service Territory
Overhead Transmission Miles	3,074	413	2%	229	1%	643	4%
Overhead Distribution Miles	14,070	2,274	13%	737	4%	3,012	18%
Total	17,144	2,688	16%	967	6%	3,655	21%

Oregon Fire High Consequence Area



Situational Awareness

Expanded Weather Station Network

- Expanded to **153 weather stations** in OR in 2023
- 203 operational stations by 2027
 - Update **every ten minutes** to support real-time operations

Experienced Meteorology Team

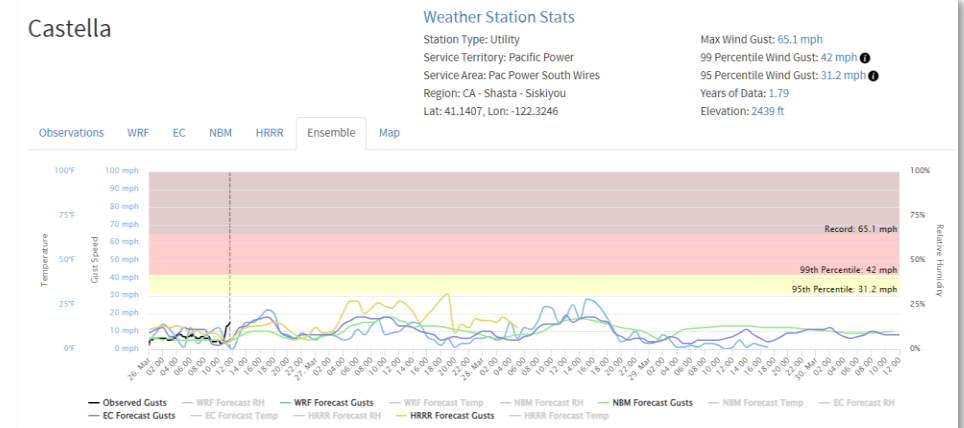
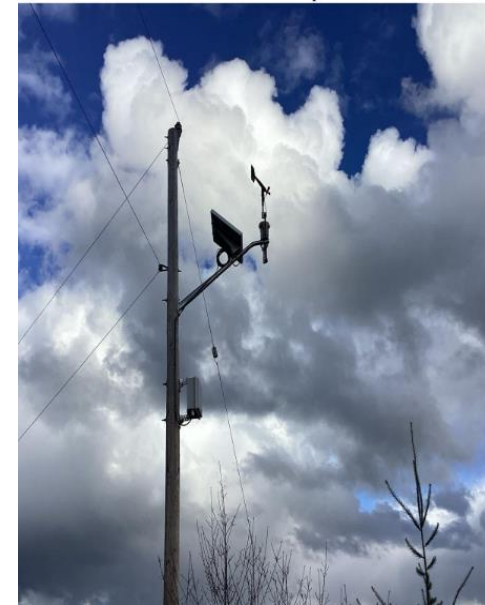
- Six full-time meteorologists** provide **24/7/365 support**
- Supports the company's Emergency Operations Center for all hazards including fire weather and PSPS

Wildfire Detection Cameras

- 5 camera stations** with AI smoke detection installed by 2025

Situational Awareness Websites

- Integrate real-time observations from weather stations with forecast data to monitor real-time weather trends on the web
 - Available to the public at <https://pacificpowerweather.com/>



Operational Practices – Service Territory Wide

Enhanced Safety Settings

- In 2023, **52% of all overhead distribution circuits** within Oregon were placed in enhanced safety settings
- Enhanced safety settings are **enabled across the service territory**; well in advance of weather conditions that have historically been related to catastrophic fires

Encroachment Strategy

- Fires within a specified distance of assets (based on voltage and material) results in emergency de-energization

Fire Season is a condition... not a date

Modeling is completed daily through the entire year to determine conditions of risk

Enhanced Safety Settings Enabled in high fire risk areas

- Modified Hot-Dry-Windy Index above the 60th percentile
- Windy weather relative to normal above 60th percentile (~20 to 30 mph gusts)
- Slightly dry vegetation, dead fuel moisture 14-16%
- Vegetation grasslands curing

Enhanced Safety Settings Enabled on all Circuits

- Modified Hot-Dry-Windy Index above the 80th percentile
- Abnormally windy relative to normal above 80th percentile (~30 to 35mph gusts)
- Dry vegetation, dead fuel moisture 12-14%

PSPS Potential

- Modified Hot-Dry-Windy Index above the 95th percentile
- Very strong winds relative to normal above 95th percentile (> 40 mph gusts)
- Very dry vegetation, dead fuel moisture lower than 10%

Probability of
Catastrophic Wildfires

Low Fire Risk

Elevated Fire Risk

Significant Fire Risk

Extreme Fire Risk

Strategic Programs and System Hardening

Asset Inspections

- Increased frequency of inspections in the FHCA

Inspection Type	Cycle
Detail	5 year
Patrol	1 year

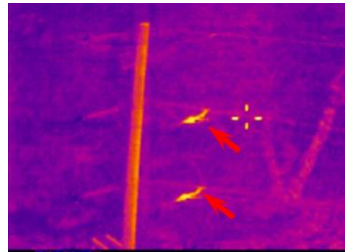
- Accelerated correction of Energy Release Risk

Priority Type	Location	Correction Time
Priority A	FHCA	30 days
Priority B	FHCA	180 days

- Annual infrared inspection of transmission lines interconnected with FHCA
- Biennial infrared inspection of transmission lines outside of FHCA



Patrol Inspection



230kV Jumper Connection

Vegetation Management

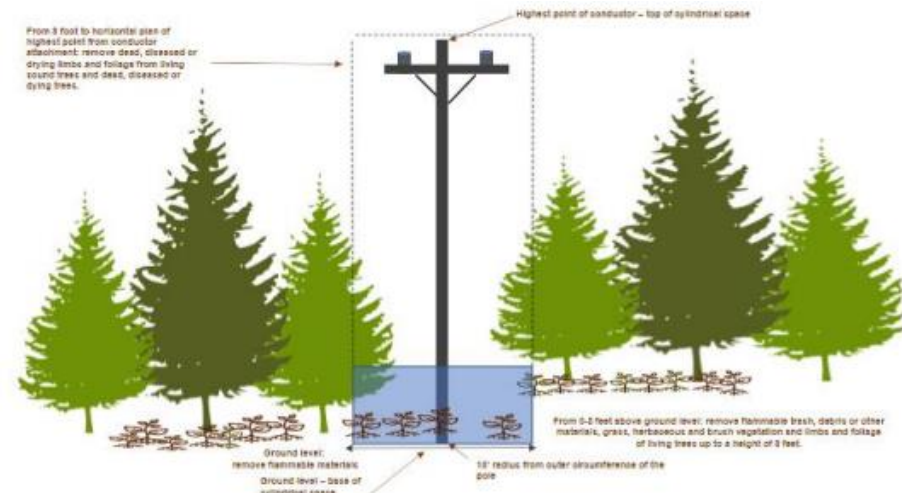
- Regular review of best practices
- Annual inspection in the FHCA
- Annual clearing of power poles with equipment.

FHCA Readiness Patrols

1,670-line miles inspected
for maintenance

Pole Clearing

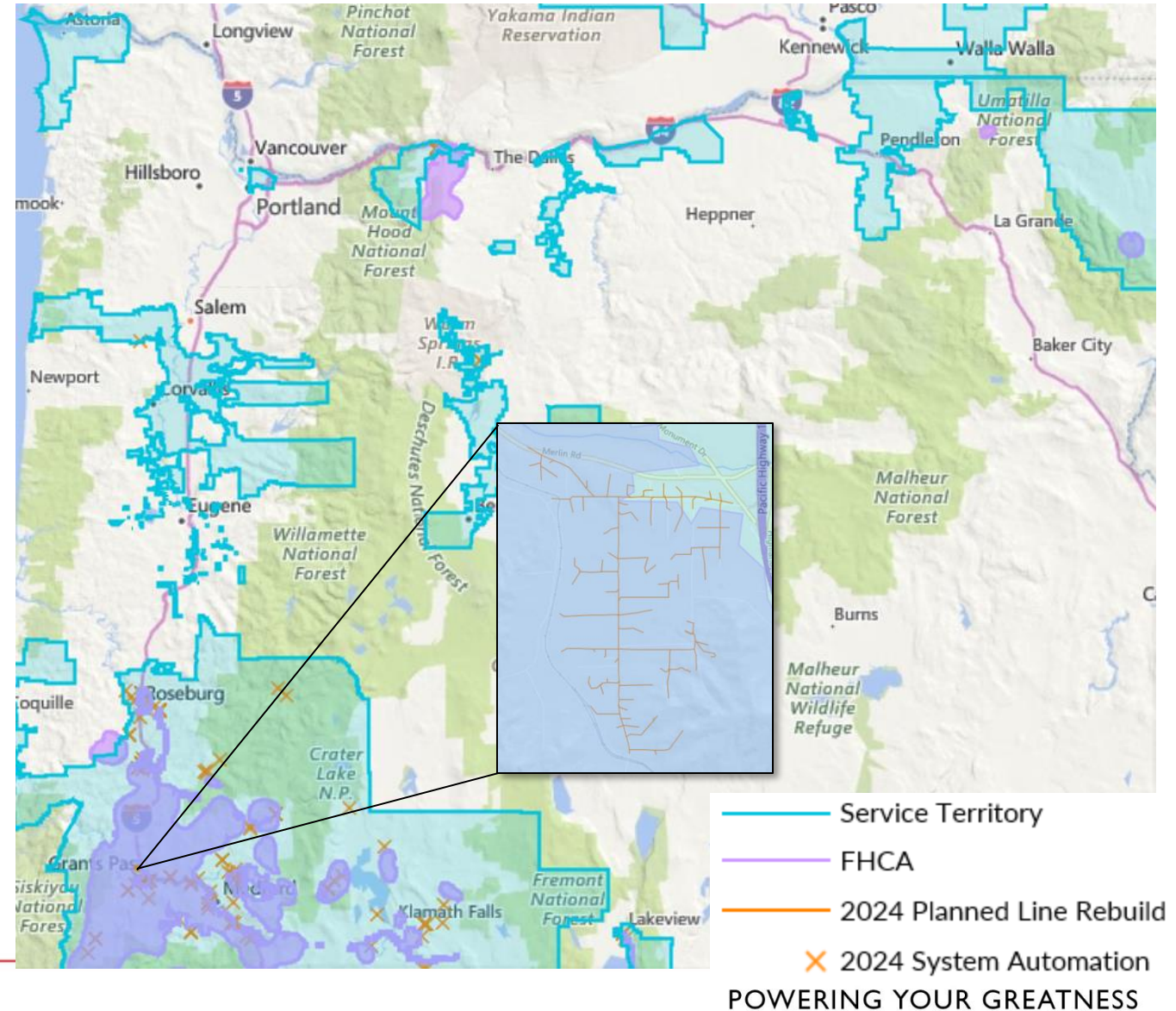
24,000+ equipment poles
cleared



Strategic Programs and System Hardening

System Hardening

- Over \$160+ million of investment planned for 2024
- Line rebuild program
- Advanced protection and control
- Expulsion fuse replacement



Public Safety Power Shutoff (PSPS) Program

2024 Schedule of Events

- 9 public wildfire forums
- 1 tabletop exercise
- 4 presentations
- 1 community outreach event
- 1 town hall
- 1 workshop
- 1 functional exercise

PSPS Communication Protocol	
48-72 hours prior	De-energization warning
24-48 hours prior	De-energization warning
1-4 hours prior	De-energization imminent / begins
Re-energization begins	Re-energization begins
Re-energization completed	Re-energization completed
Cancellation of event	De-energization event canceled
Status updates	As needed (24 hours)

Community Resource Centers

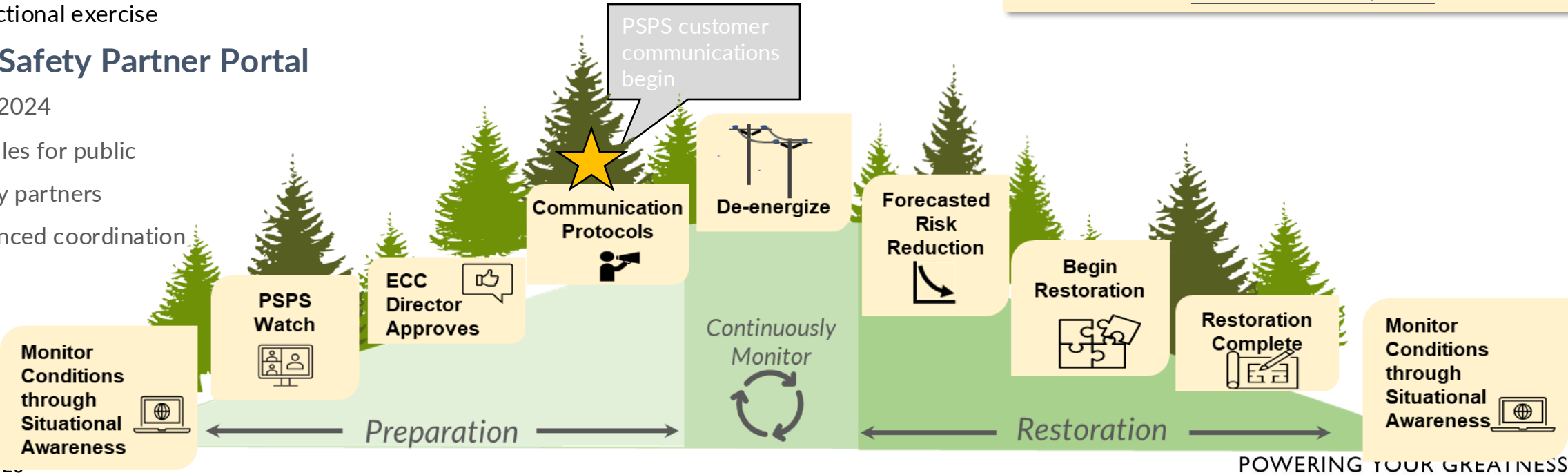
- Onsite medical support
- Air conditioning
- Refrigeration for baby/ medical needs
- Communications (phone, internet)
- Charging stations for electronic devices

To view **active event details** including **open CRCs**, visit PacificPower.net/PSPS

Public Safety Partner Portal

New for 2024

- GIS files for public safety partners
- Enhanced coordination tool



How We Can Help

Medical Programs

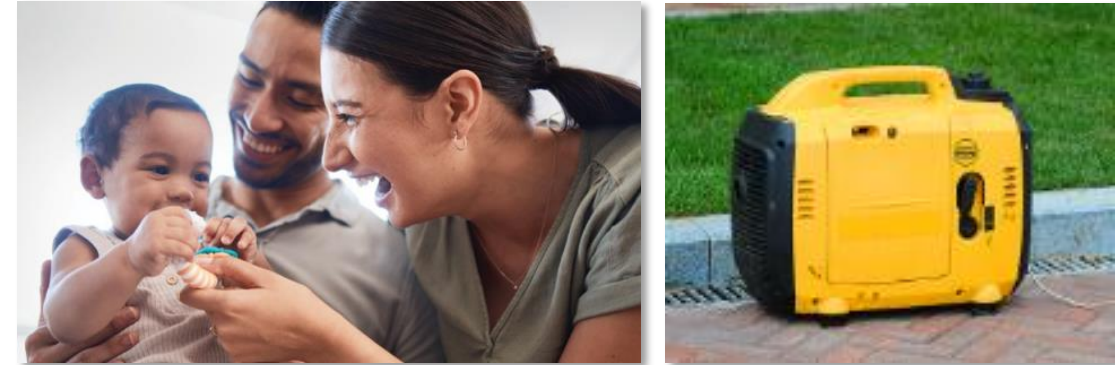
- If you or someone in your household have a medical condition that could be aggravated by an outage, you may qualify for our **Medical Program**
- **Eligible conditions include (but are not limited to):**
 - Reliance on electric power to meet mobility needs, like a scooter or wheelchair
 - A medical condition that requires additional heating/ cooling needs
 - Any condition that requires use of medication that needs to be refrigerated, like insulin
 - Other medical condition that requires electrically powered medical equipment in the home

To learn more and enroll in the **Medical Program** visit:
PacificPower.net/Medical



Backup Power Rebate Program

- **\$4,000 rebate** for one qualifying backup power supply to all Oregon Pacific Power customers enrolled in our Medical Program



To learn more and claim a rebate visit:
[Backup electric power \(pacificpower.net\)](https://PacificPower.net/Backup)

Acknowledging the difficulty in today's conversation

Pacific Power is hosting [Wildfire Customer Forums](#) across the state of Oregon

Oregon Wildfire Mitigation Webinar

Thursday, May 2, 2024, 2-3p PDT

Medford, Oregon | Tuesday, May 7, 2024, 5:30p PDT

Join us for a free meal at The Expo

Coos Bay, Oregon | Wednesday, May 8, 2024, 5:30p PDT

Join us for a free meal at The Mill Casino

Pendleton, Oregon | Tuesday, May 14, 2024, 5:30p PDT

Join us for a free meal at Hamley's Downtown

Wasco, Oregon | Wednesday, May 15, 2024, 5:30p PDT

Join us for a free meal at the Wasco School Events Center

Hood River, Oregon | Thursday, May 16, 2024, 5:30p PDT

Join us for a free meal at Hood River Hotel

Bend, Oregon | Tuesday, June 4, 2024, 5:30p PDT

Join us for a free meal at Worthy Brewing

Lebanon, Oregon | Wednesday, June 5, 2024, 5:30p PDT

Join us for a free meal at Best Western Boulder Falls Inn

Lincoln City, Oregon | Tuesday, June 11, 2024, 5:30p PDT

Join us for a free meal at Chinook Winds Casino

Astoria, Oregon | Wednesday, June 12, 2024, 5:30p PDT

Join us for a free meal at Fort George Brewery

Next Steps

Do you have any final thoughts?

Clean Energy Plan Engagement Series for Oregon Tribal Nations

June 28, 2024, | 9:00 – 11:00 a.m.

Zoom: [Tribal Nations Engagement Zoom Link](#)

Meeting Code: 890 4308 4177	Password: 489928
--------------------------------	---------------------

July 26, 2024, | 9:00 – 11:00 a.m.

Zoom: [Tribal Nations Engagement Zoom Link](#)

Meeting Code: 850 9135 1347	Password: 954666
--------------------------------	---------------------

Pacific Power Stakeholder Engagement

Community Benefits and Impacts
Advisory Group – June 20, 2024, Online
[CBIAG Zoom Registration](#)

Clean Energy Plan Engagement Series – June 21,
2024, Online
[CEP Zoom Registration](#)

Integrated Resource Planning Public Input
Meeting – June 26, 2024, Online
[Public Input Process \(pacificorp.com\)](#)



Thank You!

