

Washington 2022 Wildfire Mitigation Plan

April 27, 2022

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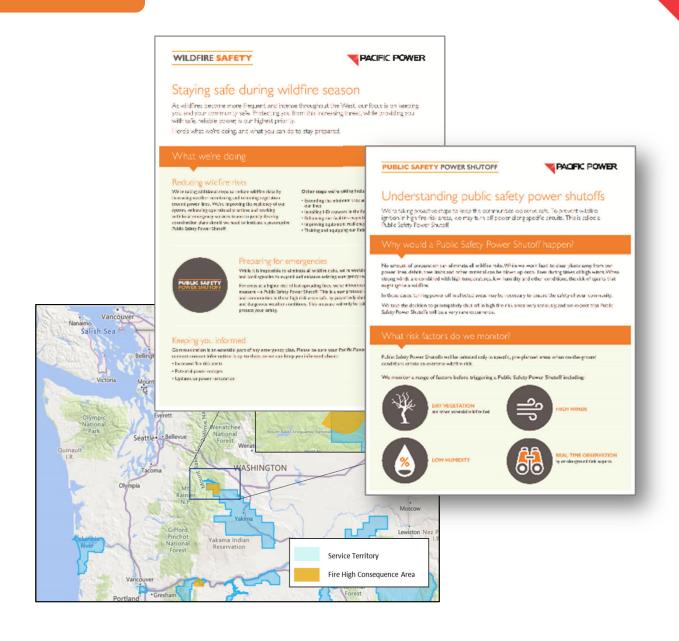






Agenda

- ✓ Plan Development and Journey
- **✓ Wildfire Mitigation Plan Foundation & Elements**
 - ✓ Baseline Risk Assessment
 - ✓ Strategic Programs & System Hardening
 - ✓ Dynamic Risk through Situational Awareness
 - ✓ Public Safety Power Shut-Off Protocols
 - ✓ Community Outreach & Education



Plan Development and Journey

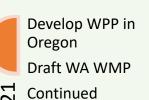
 PacifiCorp's 2022 Wildfire Mitigation Plan (WMP) builds upon multiple years of experience, program development, and formal rulemaking and process across various states







Updates to California Plan



Continued expansion of and updates to programs

Updates to Utah & California Plans





Fire Name	Acreage	Date of Origin	Service Area	County	Distance from Fire	Infrastructure Damage
Hair Road Fire	7,255	June 21, 2021	Walla Walla	Walla Walla	11.8mi	No
Green Ridge Fire	43,694	July 7, 2021	Walla Walla	Columbia Garfield	9.9mi	No
Lick Creek	80,421	July 7, 2021	Walla Walla	Garfield Asotin	12.0mi	No
Burbank Fire	13,000	July 10, 2021	Yakima	Yakima	0mi	No
Schneider Springs Fire	107,322	August 4, 2021	Yakima	Yakima	0mi	Yes

Key Changes in 2022

- ✓ Development of Meteorology Department
- ✓ Weather Station Network Buildout
- ✓ Increased Forecasting Capability
- ✓ Situational Awareness Tool Development



Wildfire Protection Plan Foundation & Elements

Situationally aware of environmental risks

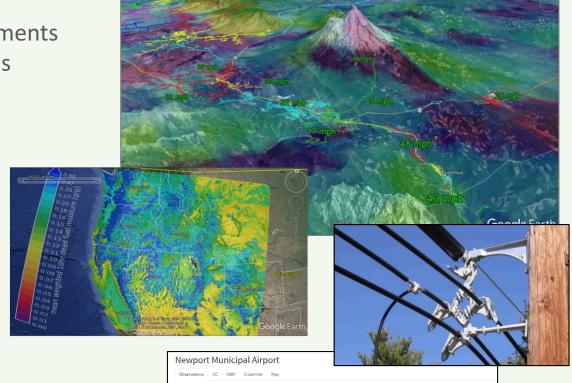
- Baseline risk modeling to inform strategic programs and investments
- Dynamic seasonal risk modeling to inform operational protocols
 - ✓ Fire weather condition monitoring
 - ✓ Meteorology department & forecasting

Resilient system to limit potential for ignition

- Enhanced inspection programs and accelerated correction of certain conditions
- Enhanced vegetation management practices
- Deployment of covered conductor / line rebuilds

Rapid response to fault events

- Deploy Enhanced Fire Risk (EFR) protection and control schemes
- Replace fuse locations with non-expulsion equipment
- Implement operational strategies during fire risk periods
- Install additional fault indicators





Baseline Risk Mapping for Strategic Investment

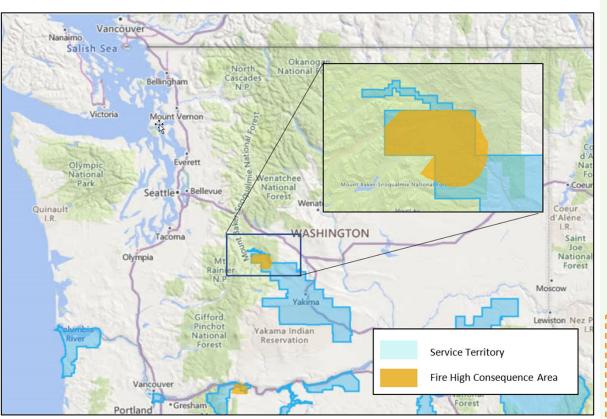
General Stats

PacifiCorp provides
electricity to
approximately 140,000
Washington customers
via 49 substations,
3,400 miles of
distribution lines, and
about 600 miles of
transmission lines across
nearly 2,700 square
miles

System Wide Initiatives

- ✓ Weather Stations
- ✓ Situational Awareness
- ✓ Operational Protocols
- Community Education and Outreach

Washington Service Territory



FHCA

Heightened Risk of Wildfire

Approximately **20 miles** or 1% of all **overhead lines** are located within the FHCA

20 miles of overhead distribution in the FHCA;

0 miles of overhead transmission in the FHCA

Programmatic Shifts

- ✓ Increased Frequency of Asset Inspections
- Accelerated Condition Correction
- Enhanced Vegetation Management



PSPS Zones

Extreme Risk of Wildfire

Approximately **50 miles** or 2% of all **overhead distribution** lines are located within **1 individual PSPS Zone**

Prioritized System Hardening

- ✓ Line rebuilds
- ✓ Covered Conductor
- Advanced Protection and Control



Strategic Programs & Long-Term Investment

Asset Inspections

✓ Increased frequency of inspections in

the FHCA

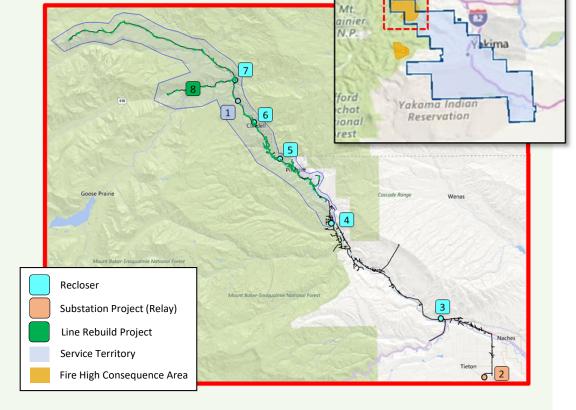
✓ Accelerated correction of Fire Threat Conditions



nspections in ✓ Multi-year investment ✓ Line Rebuild Program

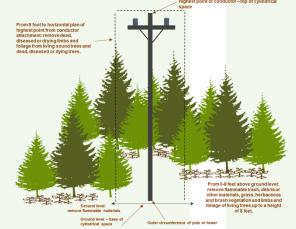
✓ Advanced Protection and Control

System Hardening



Vegetation Management

- ✓ Annual inspection in the FHCA
- ✓ Annual pole clearing of equipment poles



Dynamic Risk Assessment through Situational Awareness

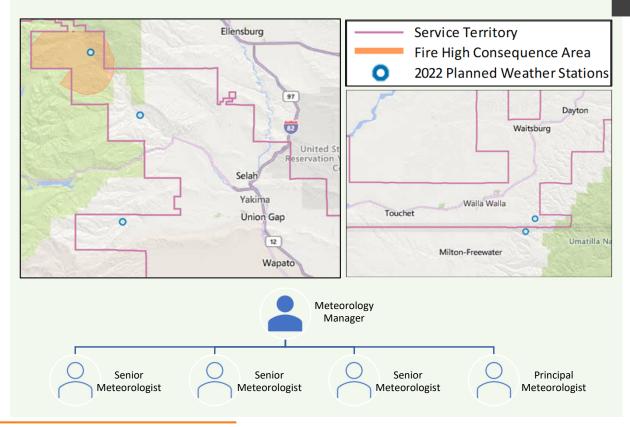
Weather Station Network

- 8 stations operational in Oregon by EOY 2022
- Continued expansion for added granularity

Current Number of Weather Stations

2022 Planned EOY Projected Total

3 5 8

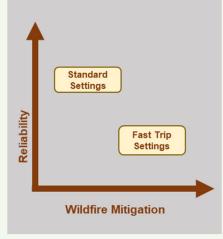


Augmented Work Practices

- Acquire and maintain key equipment (water trucks and personal suppression equipment)
- Implement risk-based work practices and resource adjustments

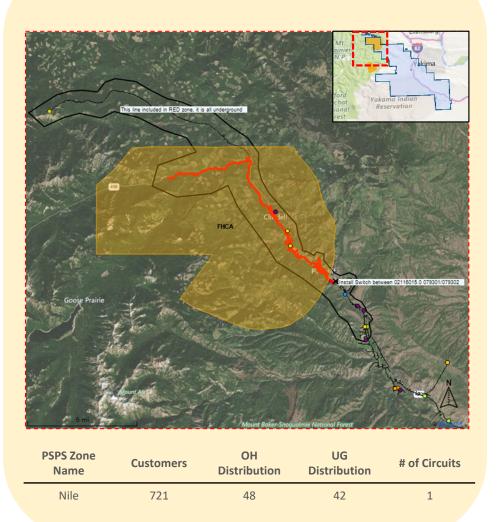
Enhanced Fire Risk (EFR) Protection and Control Settings

- Risk based deployment of alternate settings
 - Faster tripping
 - Increased open times
 - Reduced reclosing



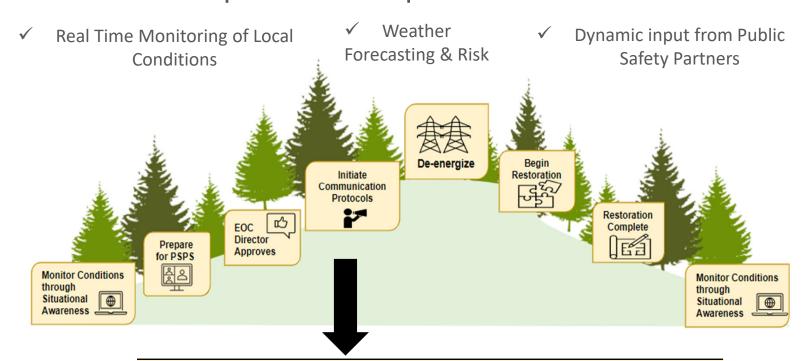
PSPS Implementation Protocols

PSPS Zones Reflect Extreme Risk



Map of Public Safety Power Shut Off Zone

- Conditions are continuously monitored to assess risk
- Decision incorporates multiple factors:



Communication Protocols

72-48 hours prior
48-24 hours prior
1-4 hours prior
Re-energization begins
Re-energization completed
Cancellation of event
Status updates

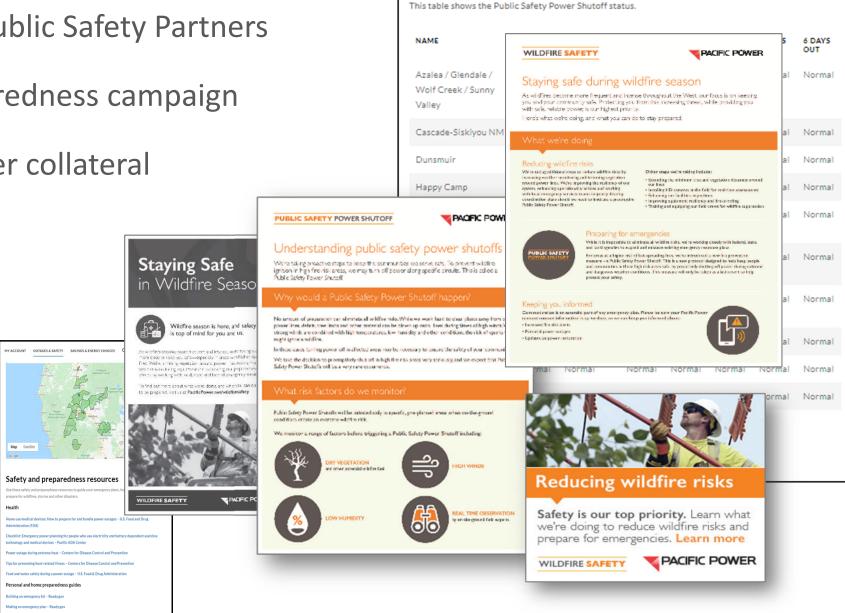
De-energization warning
De-energization warning
De-energization imminent / begins
Re-energization begins
Re-energization completed
De-energization event canceled

Every 24 hours during event as needed



Community Outreach and Education

- Tabletop exercises with Public Safety Partners
- Wildfire safety and preparedness campaign
- Brochures, flyers and other collateral
- Customer service training
- Webpage
- Webinars



Public safety power shutoff forecasting

Thank you

