

WILDFIRE MITIGATION PLANNING

OWEC Workshop #1
Assessing Wildfire Risk

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Tillamook People's Utility District



Established in 1936

Tillamook, Clatsop, Yamhill Counties

1250 Square Miles

9 Substations

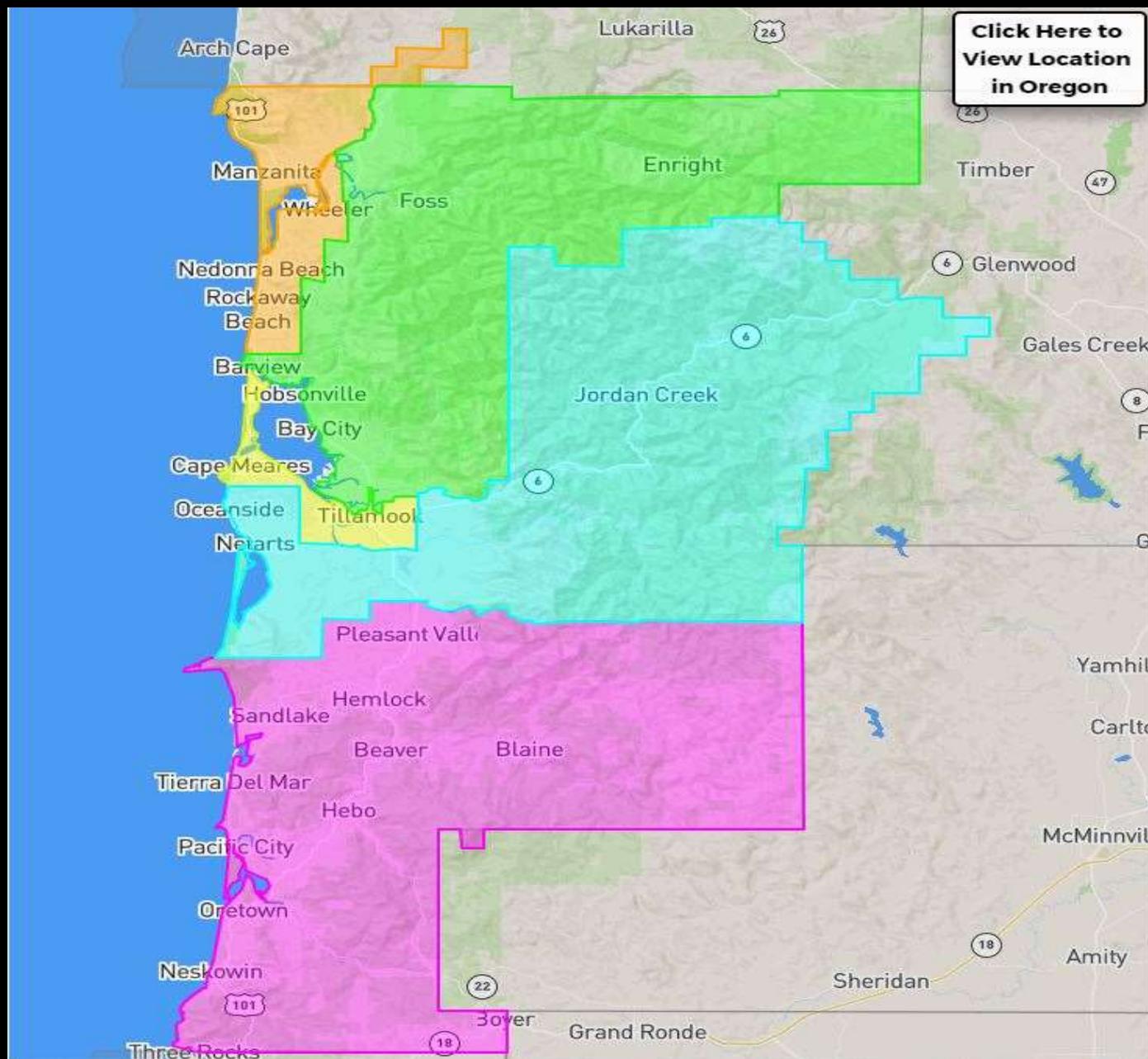
16 Miles Transmission

582 Miles Distribution

86 Miles BPA Transmission

25 Miles Pacificorp Transmission

ODF NW-1 and NW-2





WILDFIRE MITIGATION PLAN

INTRODUCTION

1. Policy Statement
2. Purpose
3. Objectives (principals)
 - a. Ensure public safety
 - b. Mitigate wildfire ignitions
 - c. Assess risks to determine mitigation priorities

WILDFIRE MITIGATION PLAN

UTILITY PROFILE

1. Service Area (map)
2. Asset Overview (transmission, substations, distribution, fiber)
3. Fire Zones (in service area - map)

WILDFIRE MITIGATION PLAN

RISK PROFILE

1. Risk Assessment

- a. Current practices – (outage data, ground patrols, aerial patrols)
- b. Future practices – Line patrols, LIDAR, re-planting
- c. Model Fire High Consequence Areas

2. Identify FHCA on overlay map

3. Table with transmission, distribution, substation, fiber miles by area

4. Public Data (Wildfire Risk Explorer)

5. Common Language (Risk color?)

WILDFIRE MITIGATION PLAN

MITIGATION STRATEGIES

1. Vegetation Management

a. Resources (FTE, fleet – historical investment, staffing reconfiguration)

b. Fuel Reduction (hazard tree removal, mowing, trimming)

c. Chemical Treatments (Norstar, Matrix Pro)

2. System Maintenance (inspection/test and treat)

3. System Hardening (steel poles, controls to isolate lines, redundant lines, UG, Beachwire)

4. System Protection (trip saver placements based on outage data)

WILDFIRE MITIGATION PLAN

MITIGATION STRATEGIES, cont.

5. Operational Tools and Practices

a. Vehicles - shovel, Pulaski, 5-gallon water can with nozzle, fire extinguisher and chain saw equipped with spark arrester

b. Industrial Fire Protection Level (IFPL) Waivers

c. Work based training

6. Interagency Collaboration (re: ROWs, tree removal, herbicides)

a. Industry Connections (share demonstrated technologies, reinforce industry coordination, exchange contact information)

WILDFIRE MITIGATION PLAN

RESPONSE STRATEGIES

1. Situational Awareness

- a. Weather Monitoring (adjust operating procedures during Red Flag days)
- b. GIS Tools (set up for monitoring and notifications)
- c. AlertWildfire Cameras

2. Interagency Coordination

- a. Oregon Department of Forestry, Local Fire Departments, Neighboring Utilities, BPA, Pacificorp

WILDFIRE MITIGATION PLAN

RESPONSE STRATEGIES, Cont.

3. Operational Response

- a. Adjust operating procedures during Red Flag days (Line Patrols)
- b. Reduce reclosing on protection equipment
- c. Incident Command System
- d. Internal communication regarding Fire Level status



RISK ASSESSMENT

- Fire zones
- State Forests
- National Forests
- Transmission Line Routes
- Vegetation Management
- Long Term Construction Standards
- Underbuild/Overbuild with other Utilities
- Collaboration with other Agencies

THANKS!

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