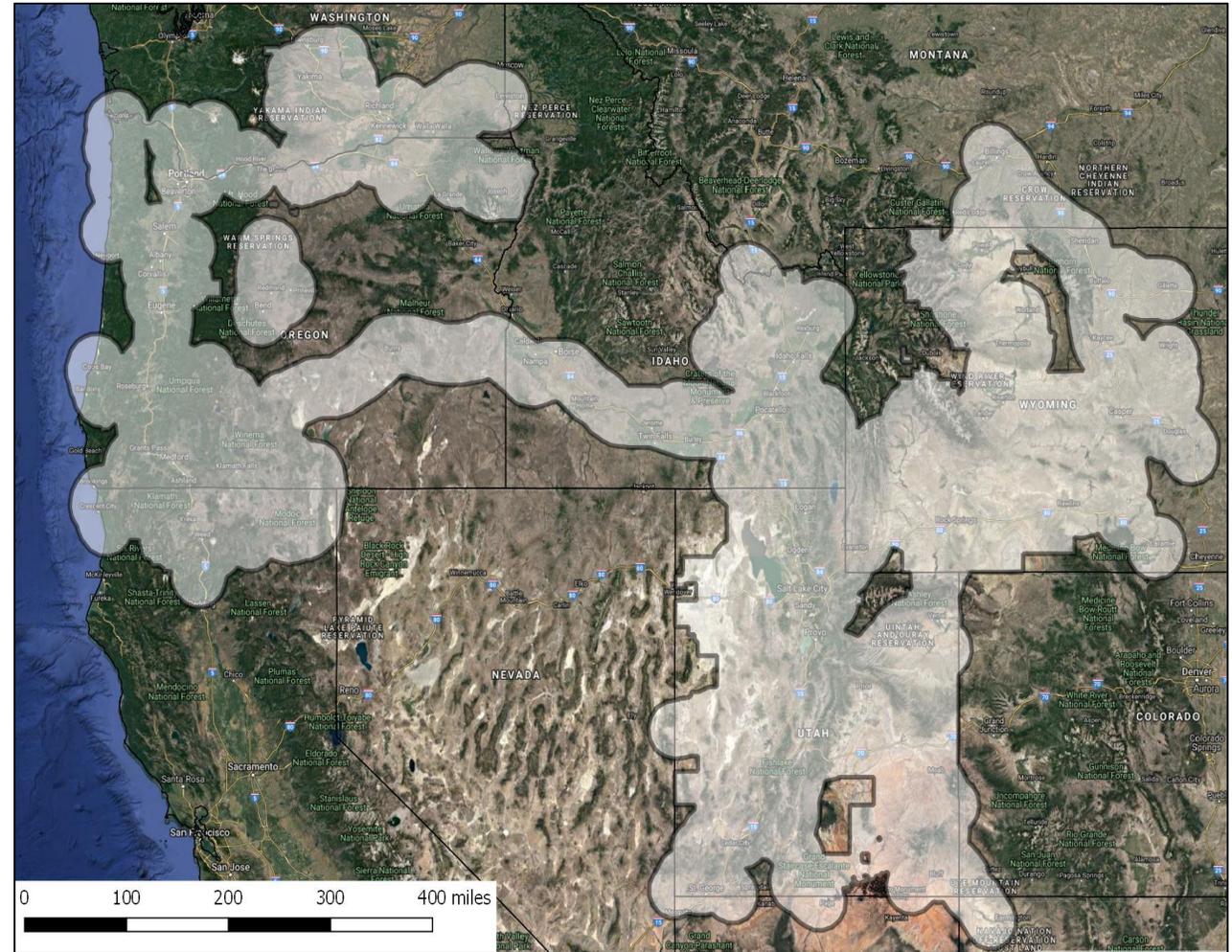


OWEC Workshop

Assessing Wildfire Risk: Pacific Power

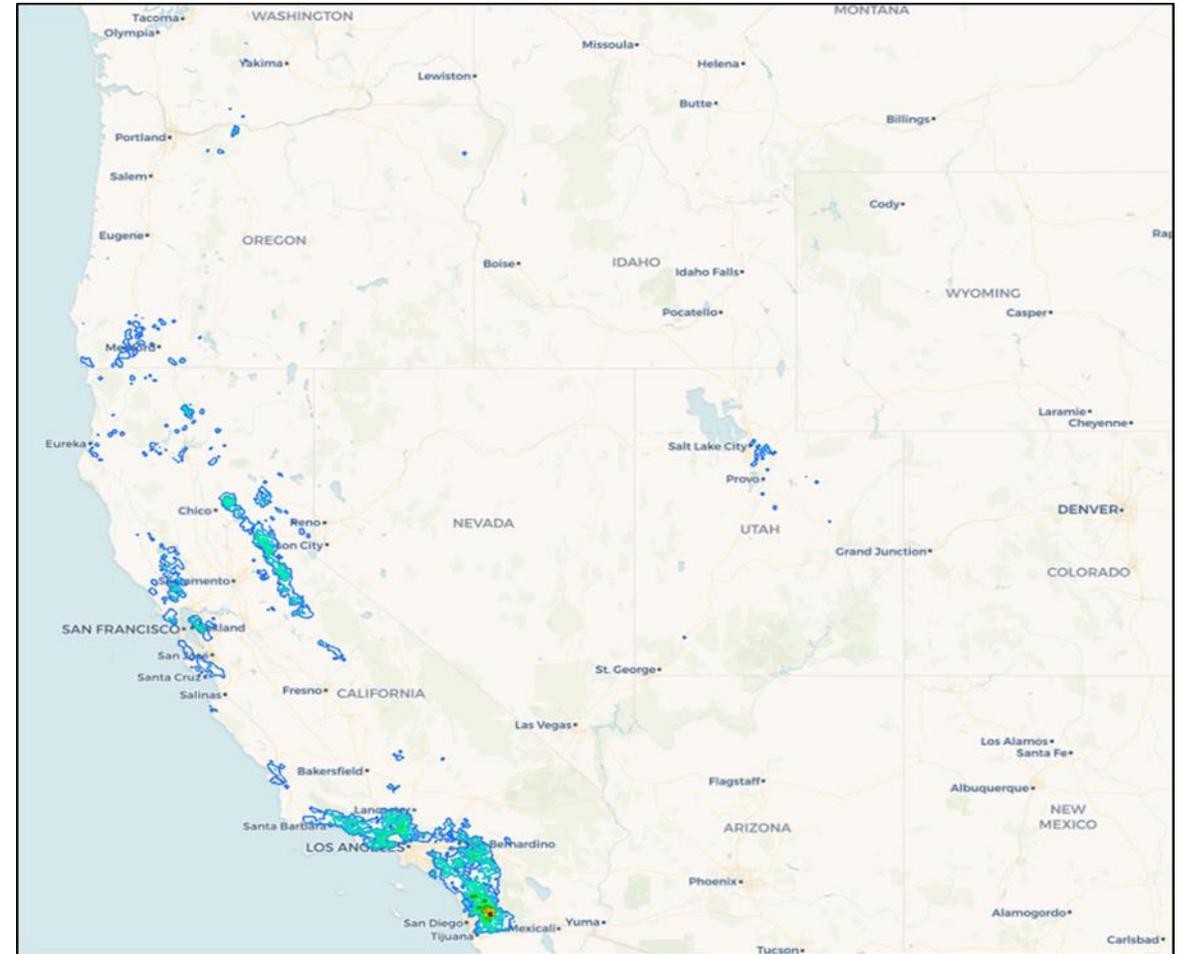
Extending California Modeling Process Across PacifiCorp

- Historic Fire Weather Days reconciled using NARR data at 32 km cell resolution
- Landfire data with Anderson Fuel Models (30 km cells)
- Local Terrain Data
- Monte Carlo ignition simulation
- Increased simulation based on structure density (acting as proxy for population)
- 6 hour periods using ELMFIRE (Eulerian Level set Model for Fire Spread) fire simulation software
- Perimeters consolidated within grids
- Each grid scored based on perimeter persistence
- Calibrated to California severity using iUTI (integrated threat value)

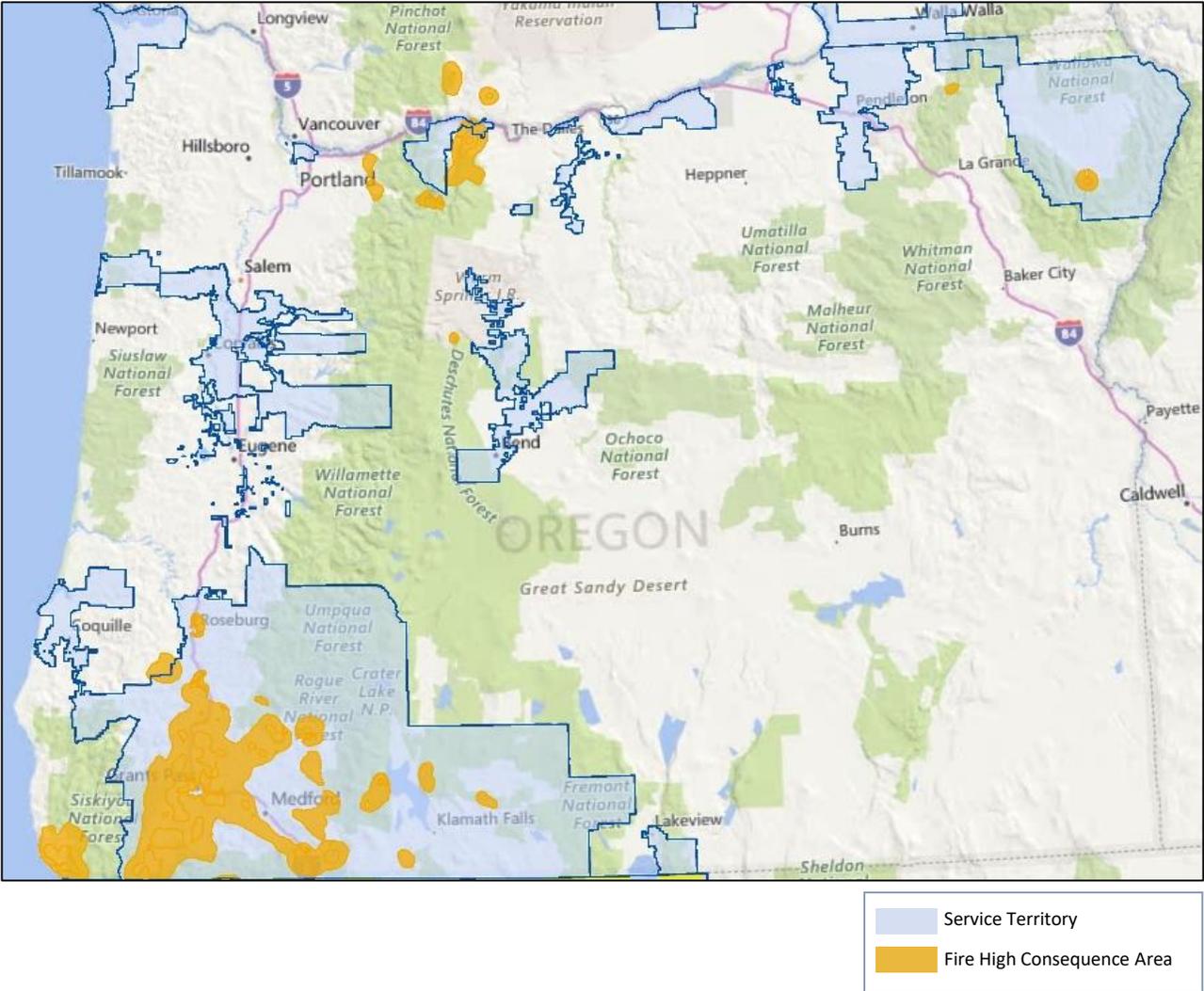


Extending California Modeling Process Across PacifiCorp

- Used Jenks natural breaks to segment severity within each grid
- Calibrated to California severity using iUTI (integrated threat value)
- Resulted in long-term fire threat area, designated as Fire High Consequence Area (FHCA)

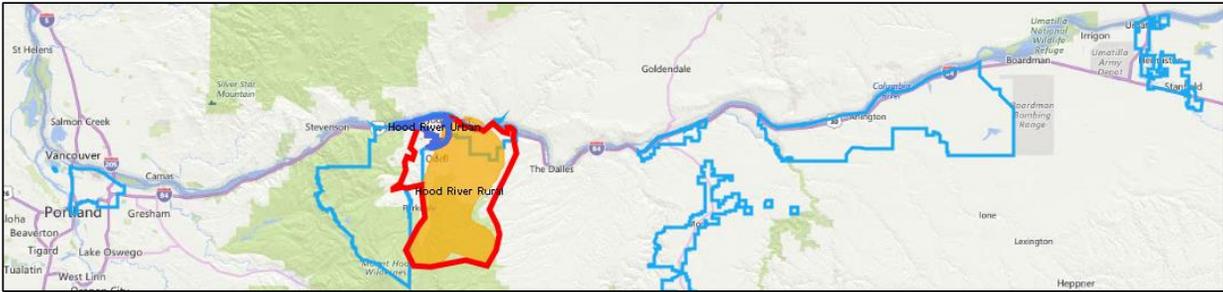


Pacific Power Oregon FHCA

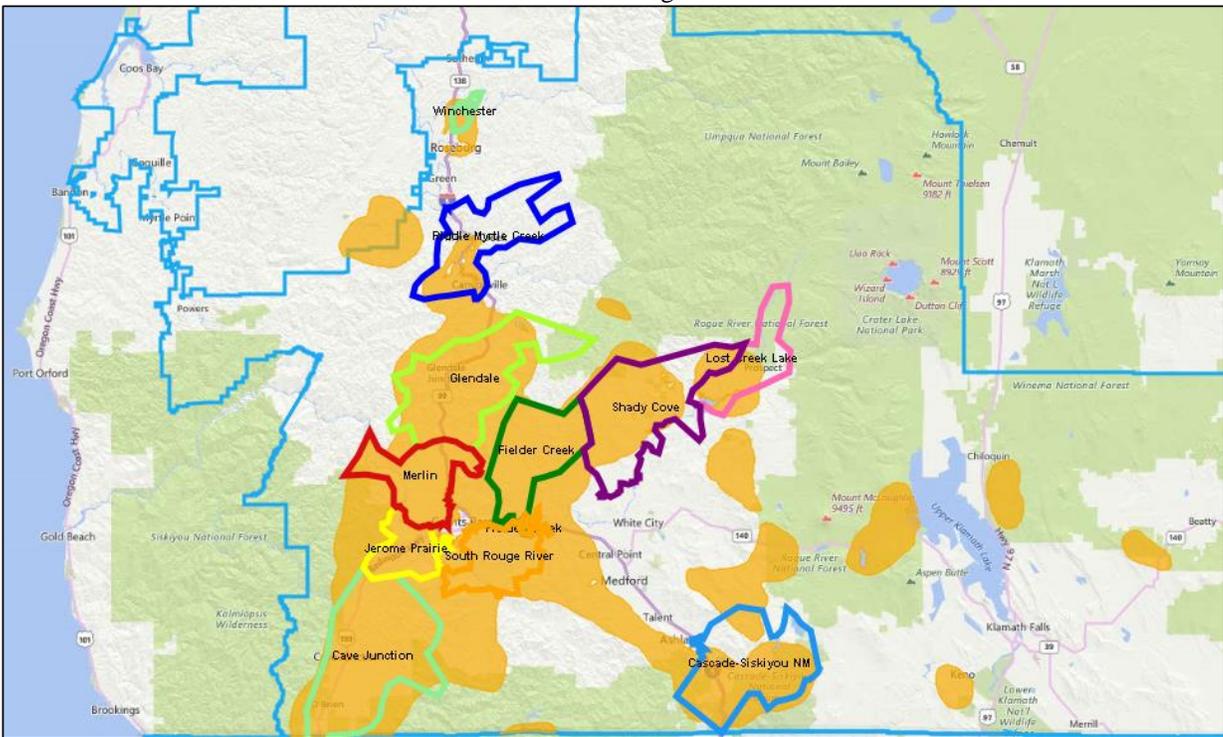


Pacific Power Oregon PSPS Areas

Northern Oregon

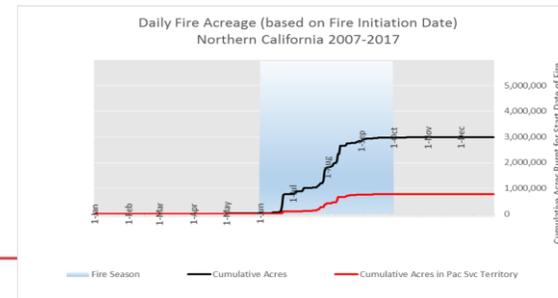
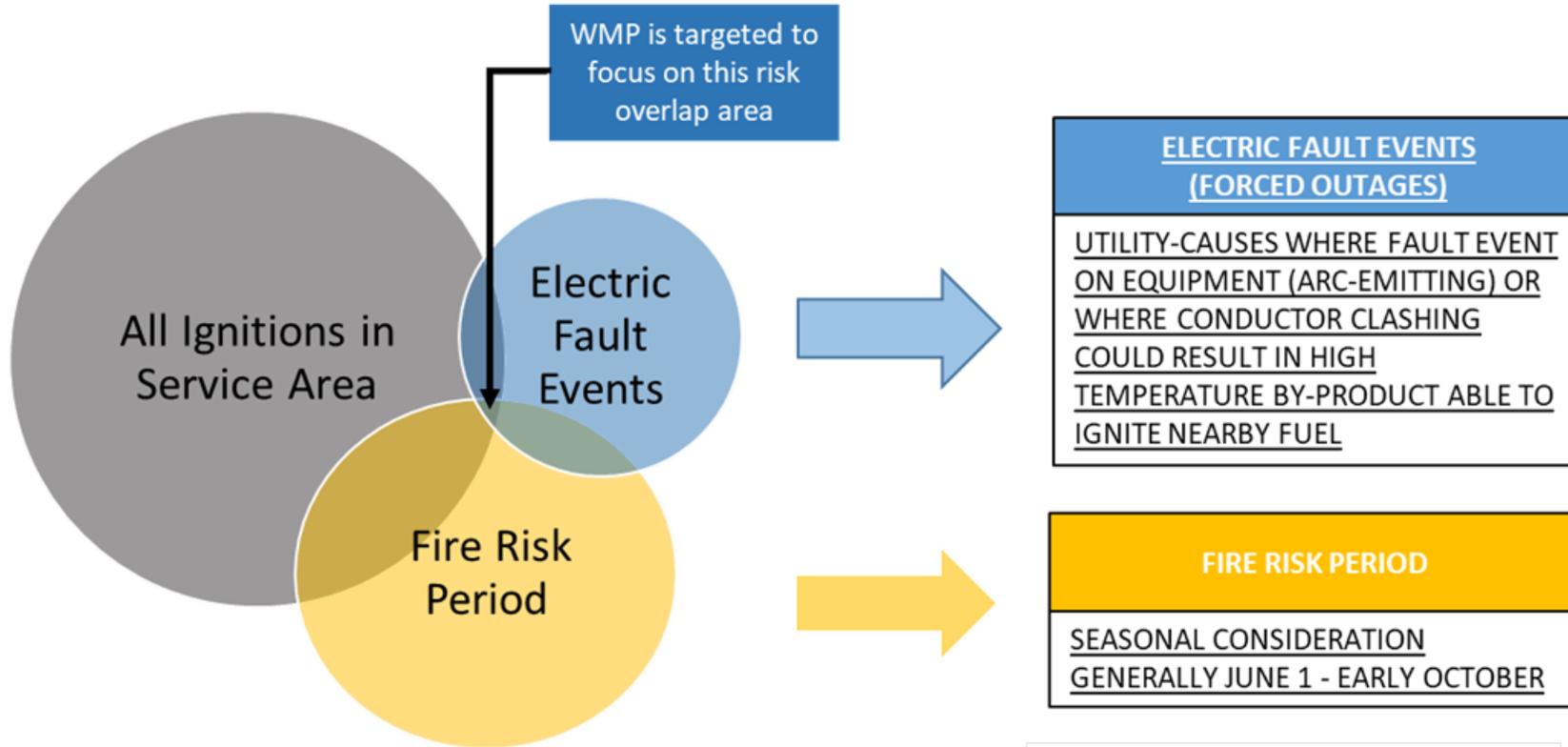


Southern Oregon

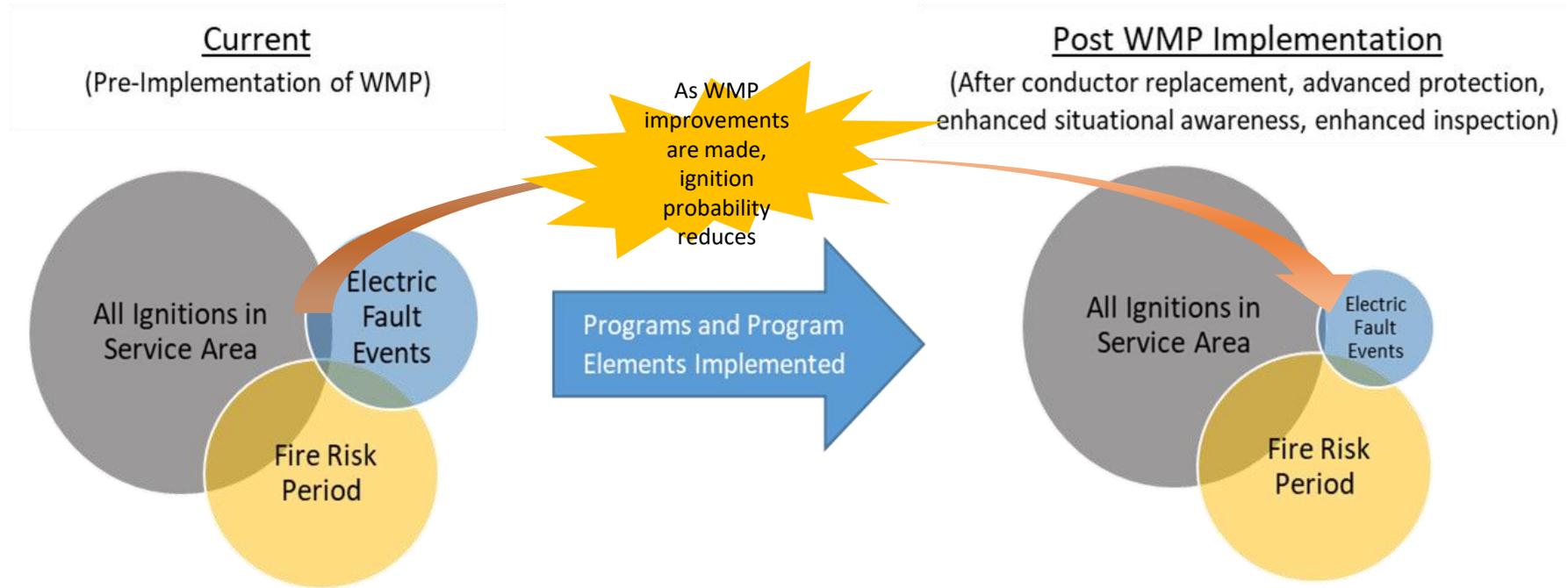


State	PDZ Name	Op Area	Substations	Circuit List	Customers	Dist. OH miles	Dist. UG miles
OR	Hood River Rural	Hood River	• Kenwood • Hood River	5K50, 5K70	1,846	108.6	34
OR	Hood River Urban	Hood River	• Hood River	5K37, 5K43, 5K44, 5K74	6,498	72.5	51.5
OR	Cave Junction	Grants Pass	• Selma • New Obrien • Cave Junction	5R52, 5R53, 5R65, 5R106	5,473	326.8	92.2
OR	Fielder Creek	Grants Pass	• Fielder Creek	4R33, 4R34	2,686	131.2	55.4
OR	Glendale	Grants Pass	• Glendale	5R133, 5R143	2,503	192.1	43.5
OR	Jerome Prairie	Grants Pass	• Jerome Prairie	5R62, 5R63	3,198	153.9	67.7
OR	Merlin	Grants Pass	• Easy Valley • Merlin	5R232, 5R234, 5R248, 5R259	6,388	265.9	179.1
OR	South Rogue River	Grants Pass	• Rogue River • Agness Ave • Park Street • Applegate	5R77, 5R78, 5R114, 5R172, 5R267	6,974	191.9	98.7
OR	Cascade-Siskiyou National Monument	Medford	• Oak Knoll	5R55	1,484	140.1	57.4
OR	Lost Creek Lake	Medford	• Prospect Central • Red Blanket	5R40, 7R5	725	44.4	30.4
OR	Shady Cove	Medford	• Takelma • Dodge Bridge	4R9, 4R35	3,997	216.9	68.5
OR	Riddle Myrtle Creek	Roseburg	• Riddle Veneer • Riddle • Myrtle Creek	5U1, 5U2, 5U3, 5U23, 5U50,	6,630	258.1	50.1

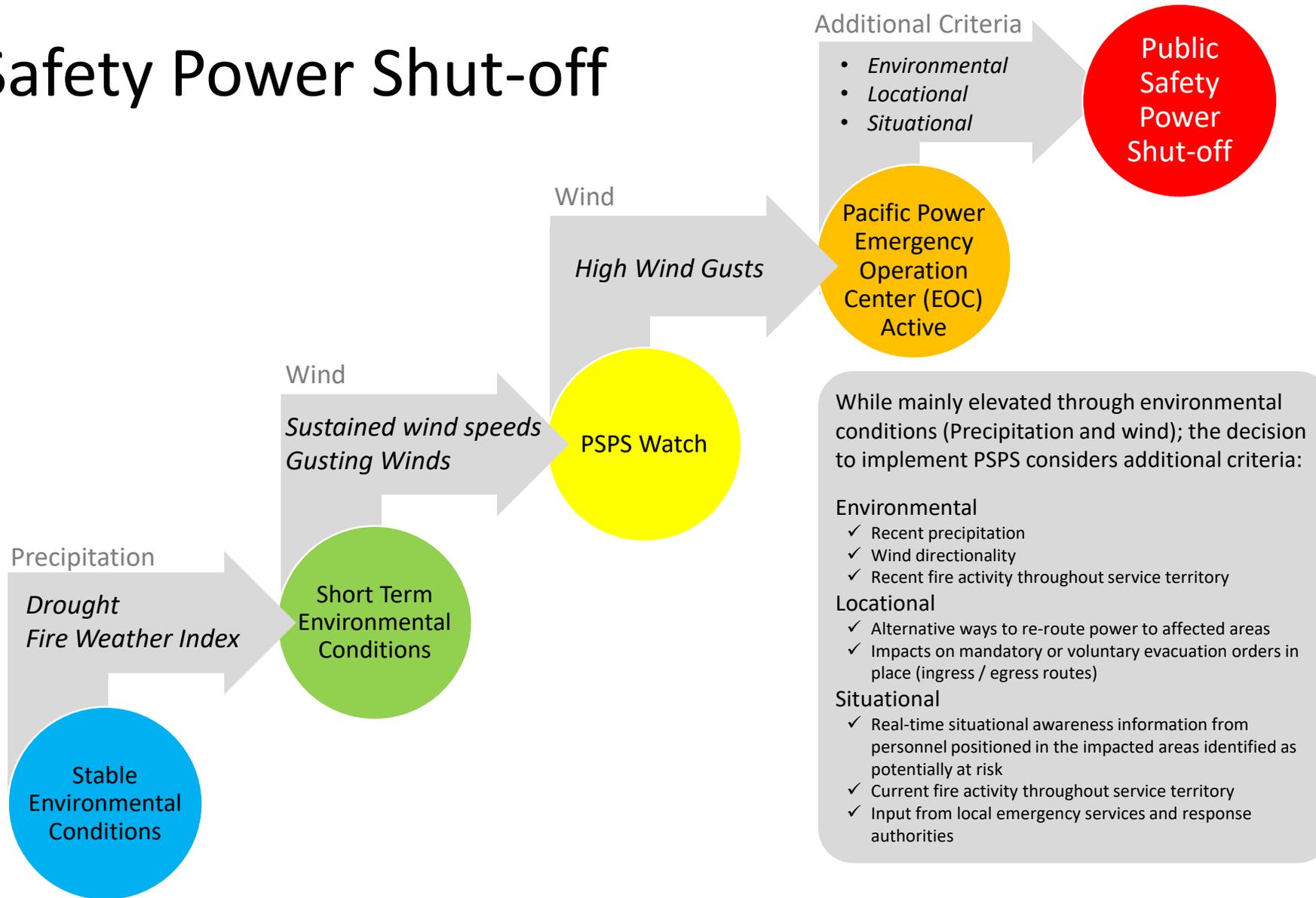
PacifiCorp's Wildfire Risk Rubric



PacifiCorp's Wildfire Risk Rubric, throughout the life of the WMP



Public Safety Power Shut-off Criteria



Daily (and week ahead) Assessment of Fire Risk

WESTERN WEATHER PacificCorp PACIFICORP

Monday, October 20, 2008 10:00 AM

Conditions: Rain, High clouds. Winds westerly to SW, moderate to strong, gusty to 30. The night will be mostly clear with light rain or drizzle and westerly winds with some light showers.

SHORT TERM FORECAST

Today: High clouds, rain, moderate to strong westerly winds, gusty to 30. The night will be mostly clear with light rain or drizzle and westerly winds with some light showers.

City	High	Low	Wind	Dir	Speed	Dir	Speed
Victoria	12	8	W	20	20	W	20
Abbotsford	12	8	W	20	20	W	20
BC Coast	12	8	W	20	20	W	20
Kelowna	12	8	W	20	20	W	20
Castlegar	12	8	W	20	20	W	20

2-5 Day: High clouds, rain, moderate to strong westerly winds, gusty to 30. The night will be mostly clear with light rain or drizzle and westerly winds with some light showers.

6-10 Day: High clouds, rain, moderate to strong westerly winds, gusty to 30. The night will be mostly clear with light rain or drizzle and westerly winds with some light showers.

11-15 Day: High clouds, rain, moderate to strong westerly winds, gusty to 30. The night will be mostly clear with light rain or drizzle and westerly winds with some light showers.

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