



Energy, Fire, and Changing Landscapes: Satellite Applications

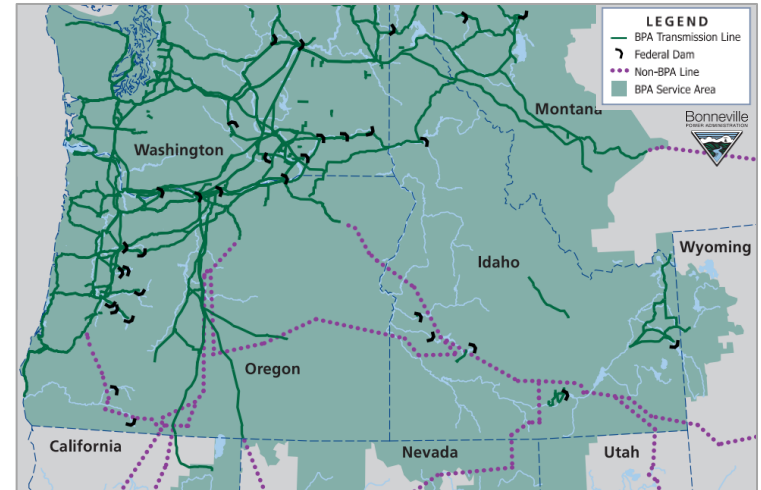
Energy Analysis and Policy (EAP) Program Conference

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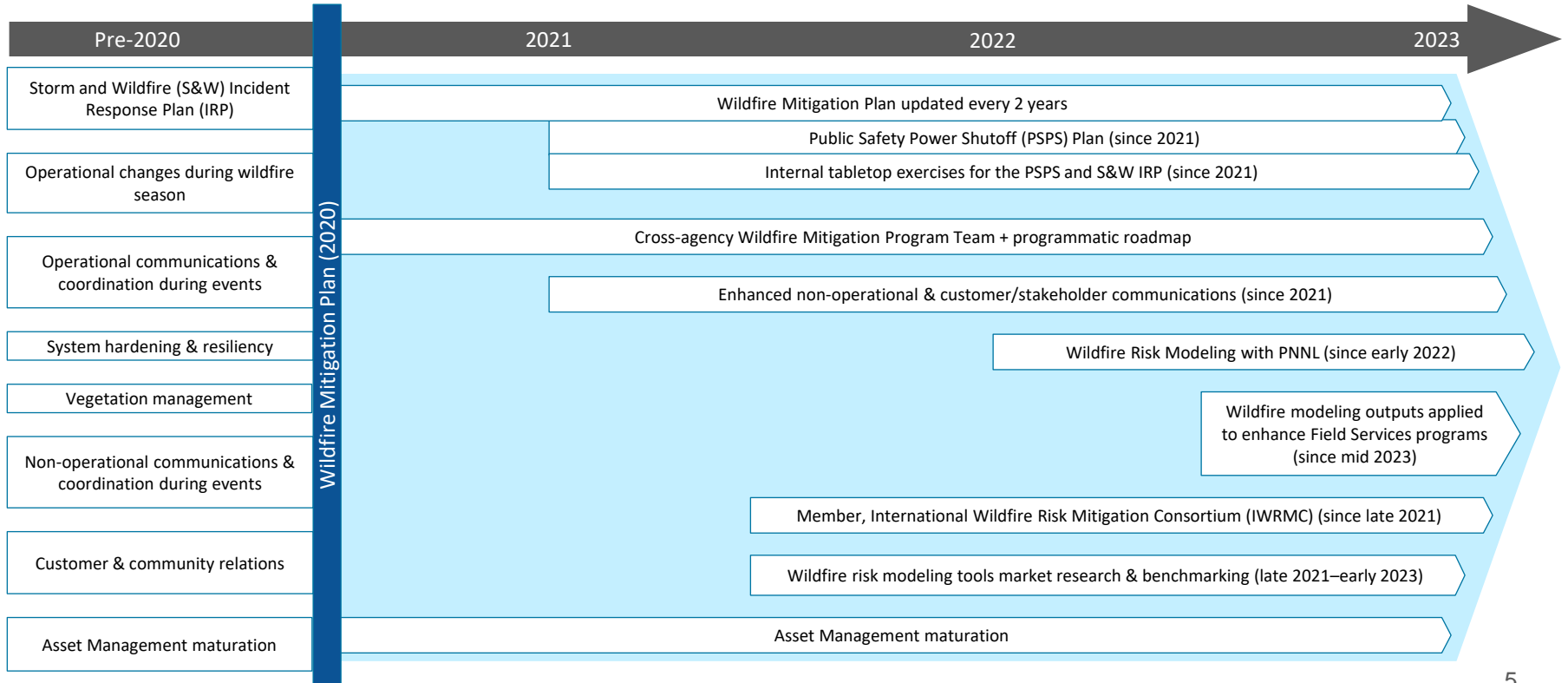
Who We Are: BPA and the Pacific NW

- Federal Power Marketing Administration within the U.S. Department of Energy
 - ~3,000 federal employees
- Established 1937
- Markets and transmits wholesale electricity from 31 federal dams and one nonfederal nuclear plant
 - Maximum sustained 120-hour peak capacity of 11,680 MW
- Operates and maintains >15,000 circuit miles of high-voltage transmission and 259 substations
 - Operating voltage up to 1,000 kV, but most is 500kV, 230kV, or 115kV
- Serves 141 retail utility customers within 300k-mile² Pacific NW service territory with 14M+ residents



Pac NW Transmission System and Federal Dams

Wildfire Risk Mitigation Timeline



Wildfire Risk Modeling Trajectory

Currently

We produce annual wildfire risk models to support our annual programmatic planning processes



Next Year

We'll be taking steps to produce quarterly modeling updates within the annual cycle



Beyond Next Year

We want to incorporate climate change data into our modeling to extend our planning horizon



We want to mature our temporal and spatial wildfire modeling capabilities to support real-time operations



Questions & Discussion

For more information:

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