

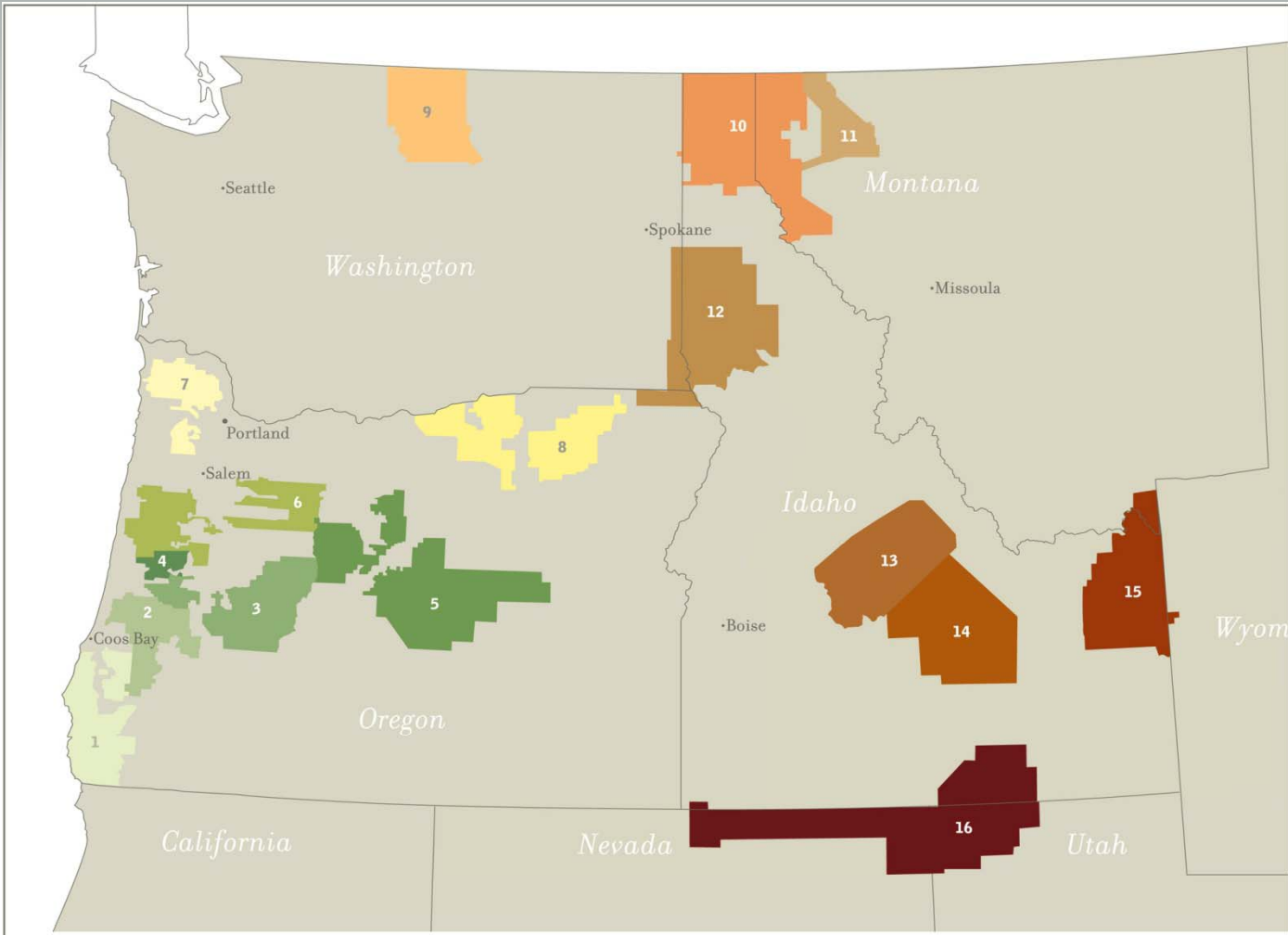


# Strategies to Serve AHWM\* Load

**John Prescott**

**NWPPA Power Supply Workshop  
Portland, OR  
June 23, 2010**

\* Above High Water Mark



PNGC Power Member Utilities		
1. Coos-Curry Electric Coop	6. Consumers Power Inc.	11. Lincoln Electric Cooperative, Inc.
2. Douglas Electric Coop	7. West Oregon Electric Coop	12. Clearwater Power Company
3. Lane Electric Coop	8. Umatilla Electric Coop	13. Salmon River Electric Coop
4. Blachly-Lane Electric Coop	9. Okanogan Co. Electric Coop	14. Lost River Electric Coop
5. Central Electric Coop	10. Northern Lights, Inc.	15. Fall River Rural Electric Coop
		16. Raft River Rural Electric Coop

**JOE:**

**Joint  
Operating  
Entity**



# Power Supply Goals

- **Federal Base System**
  - Access (T1)
  - Support (Bi-Op, asset management, etc.)
  - Cost management
- **Create a resource portfolio that provides low cost and certainty – long term**
  - Meet RPS needs
  - Provides control of portfolio
- **Prepare for next “cliff” event**



# Power Supply Choices (AHWM)

- **Energy Efficiency**
- **BPA T2**
  - Load growth
  - Short term
  - Vintage
- **Non-Federal resources**
  - Market purchase
  - Power Purchase Agreement (PPA)
  - Resource ownership



# Power Supply Considerations

- **The economy**
- **Gas**
  - The “Shale Gale”
- **Carbon**
  - Legislation?
- **New disruptive technology**
  - Bloom Box?
- **Equity / Credit support**
- **Pooling / aggregation**



# One Possible Strategy...

## Energy Efficiency

→ BPA T2 or Market

→ Member resources

→ Small pooled renewables

→ Large pooled project



# In any case...

- **No one escapes risk and costs!**
- **Develop a strategic resource plan**
  - **Start with a reliable load forecast**
  - **Use an Integrated Resource Plan (IRP) process**
  - **A crystal ball may be an option**
- **But have a plan!**

