



**EWEB**

**Eugene Water & Electric Board**

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**Dave Churchman**  
**Manager, Power Operations**

# EWEB Power Supply Mix Including BPA Source Resources

**89,000 customers**

**Peak Load: 479 mw (Jan 2012)**

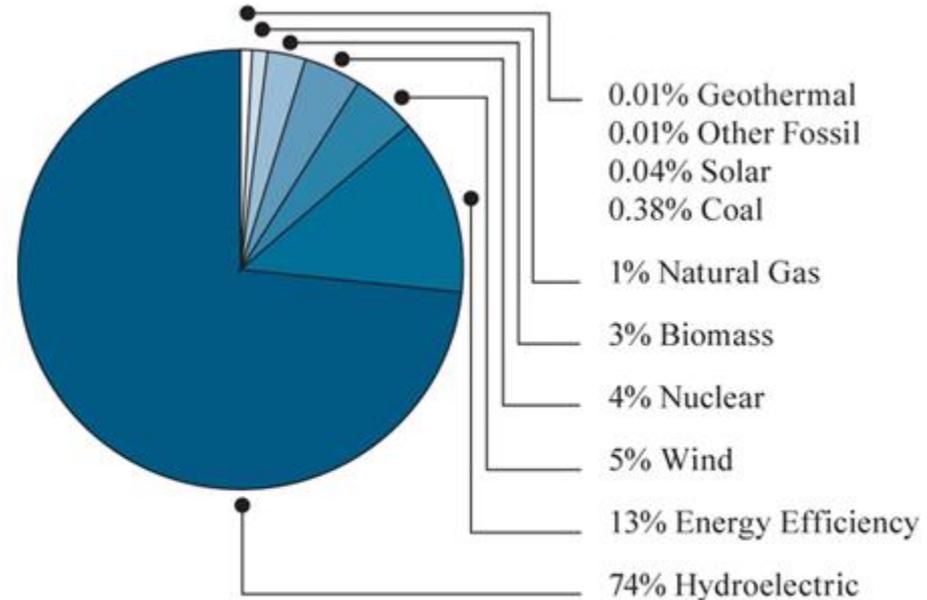
**Average Load: 280 mw**

**74% power purchased  
from BPA**

**22 % owned generation**

**4% power contracts**

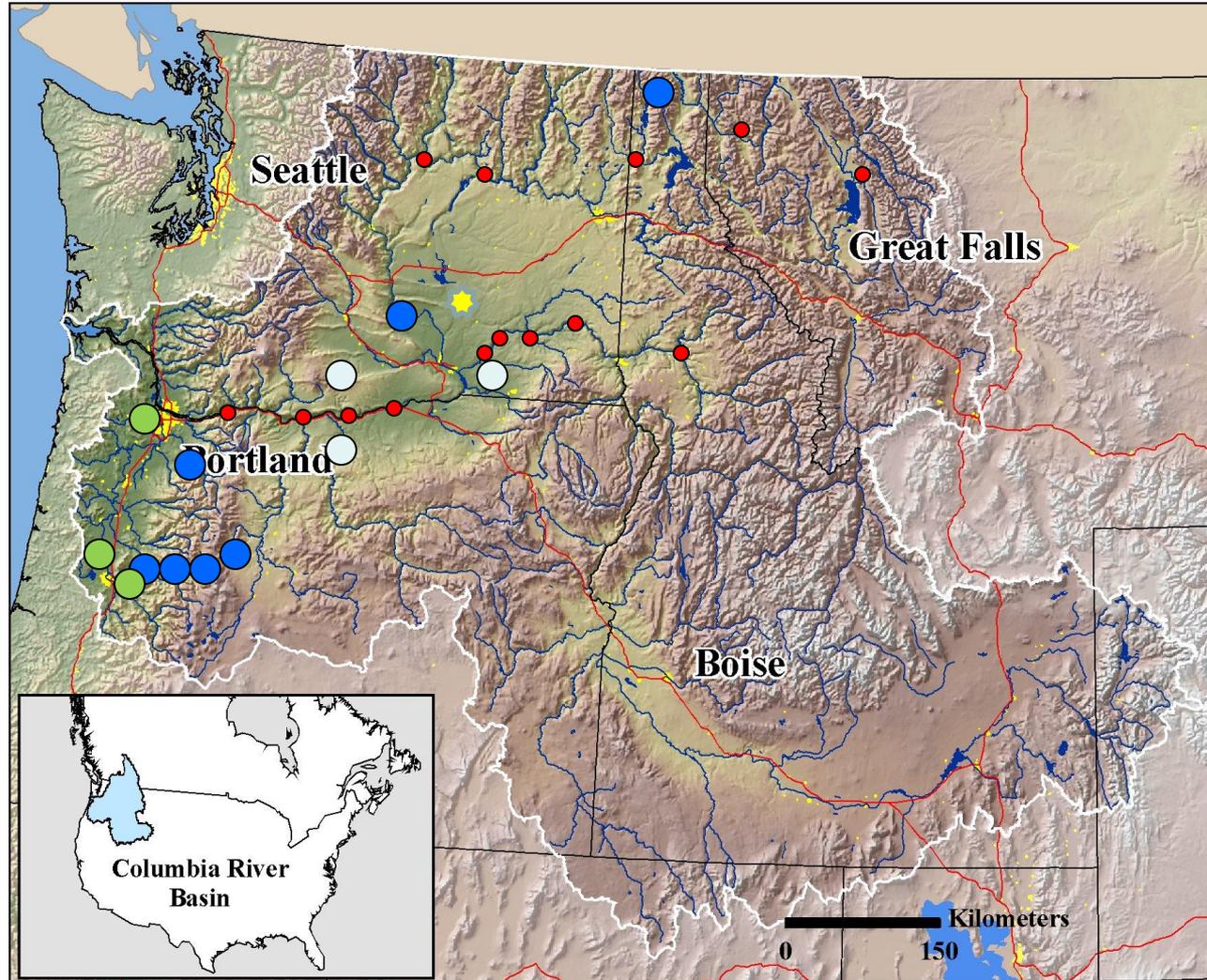
**Self scheduler embedded  
within BPA's Balancing Area**



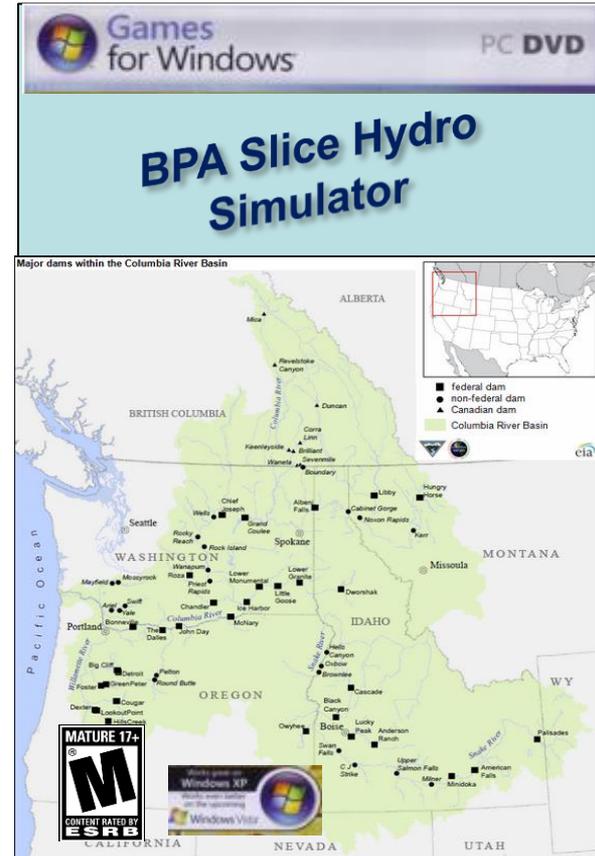
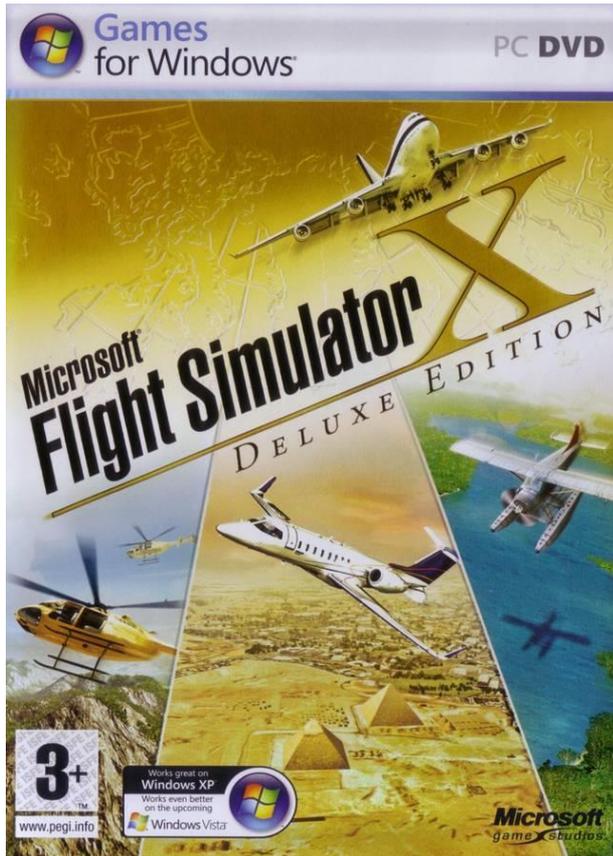
\*Percentages are rounded up to the nearest tenth.

\*\*Source: EWEB and the Bonneville Power Administration.

# EWEB's Resource Portfolio



# BPA Slice Product

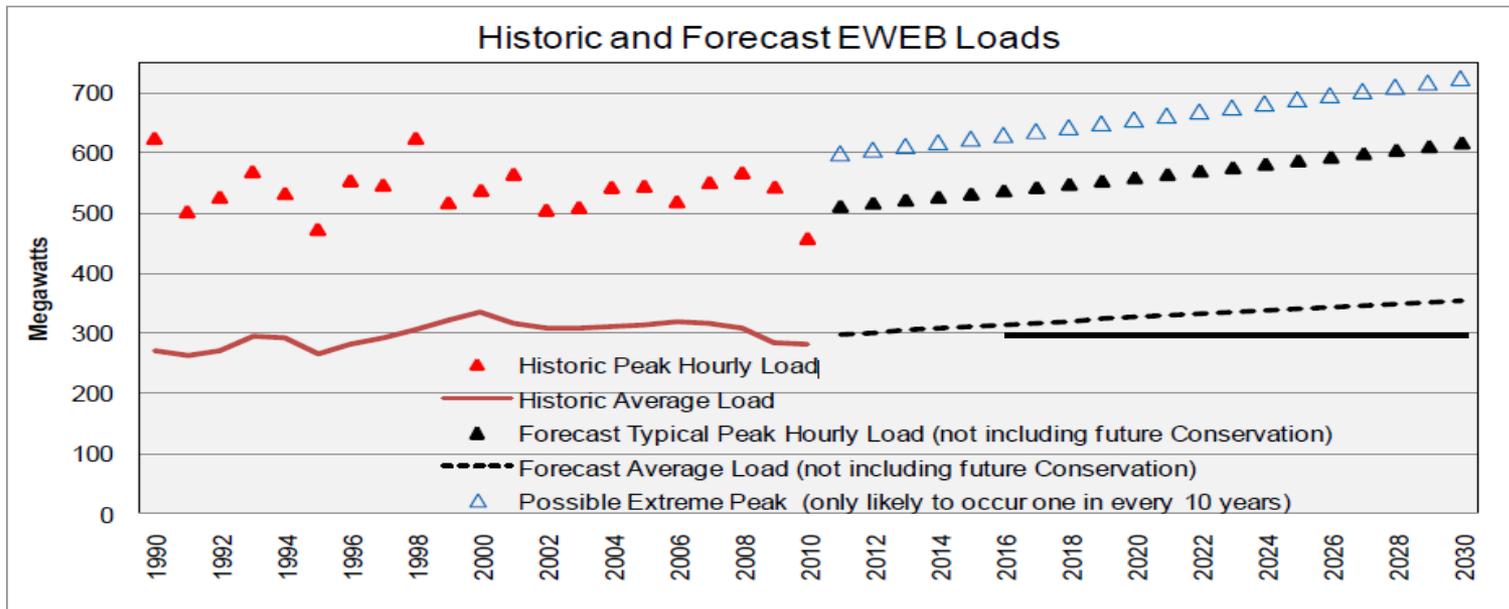


# **EWEB Environment & Issues**

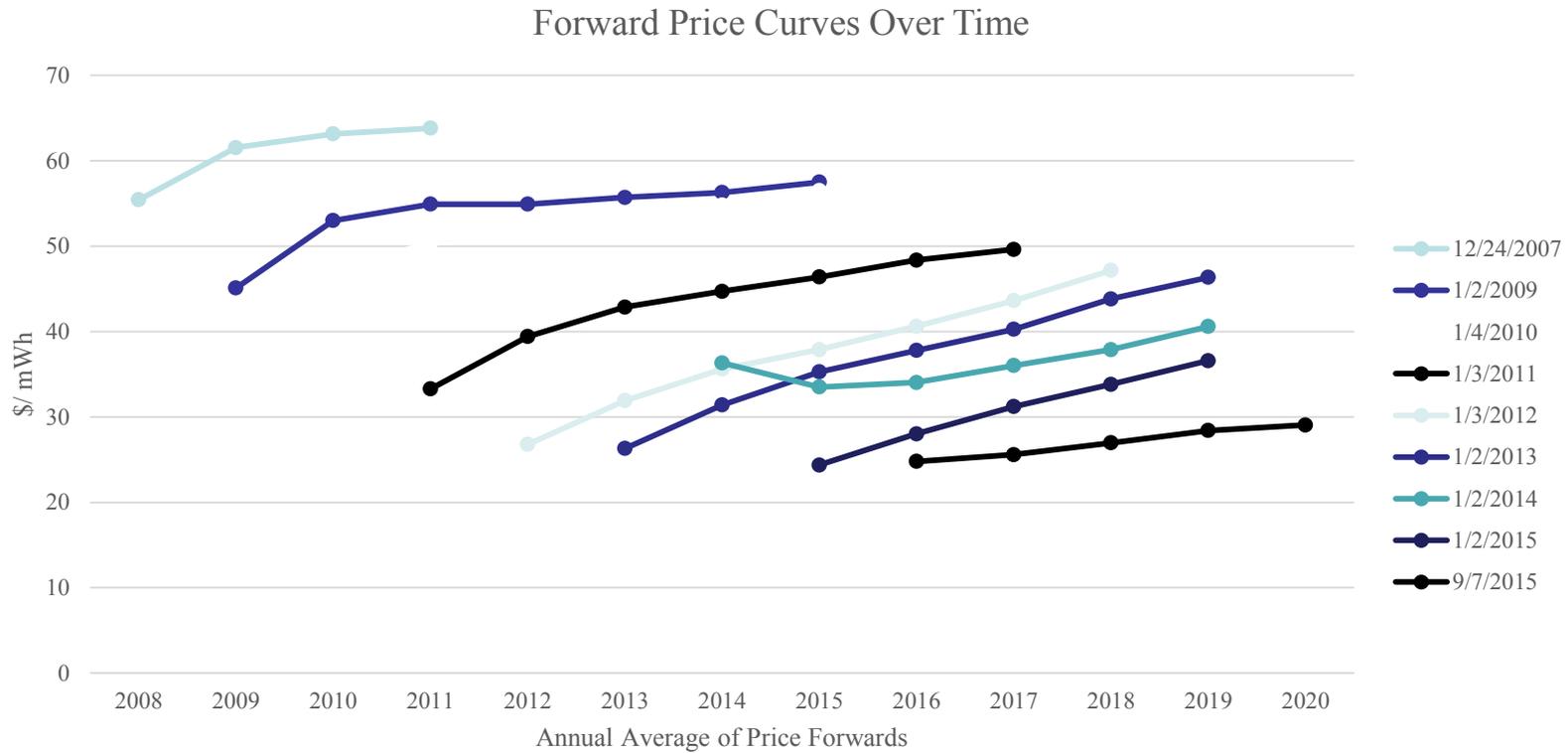
- 1. Decline in Load**
- 2. Decline in Wholesale Prices**
- 3. Hydro Licensing / Aging Infrastructure Costs**
- 4. Firm Transmission Access**

# Flat or Declining Loads

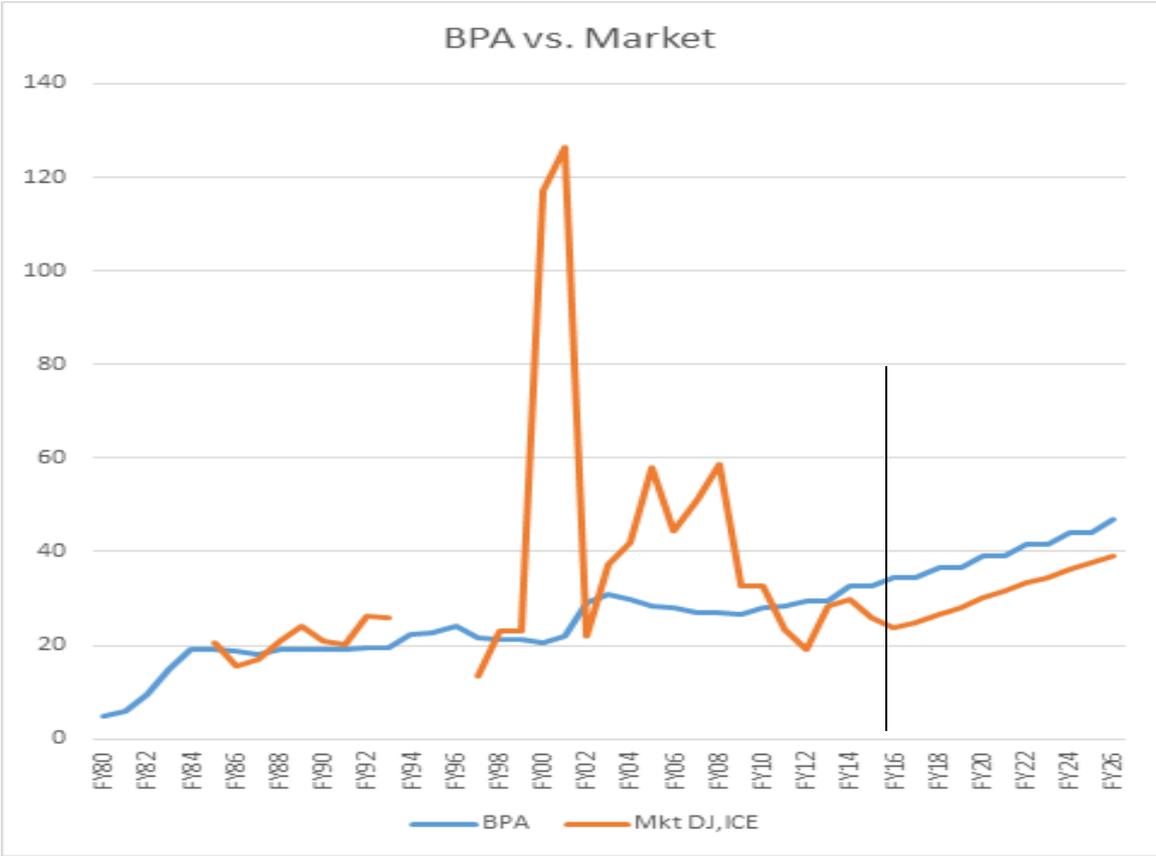
- **Peak Load in December, 1998: 627 MW**
- **Peak Load in January 2012: 479 MW**



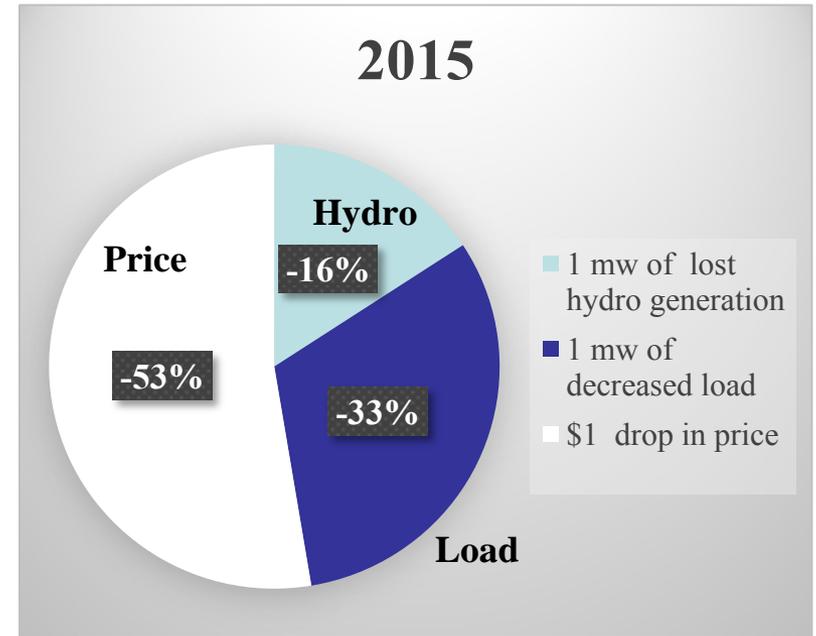
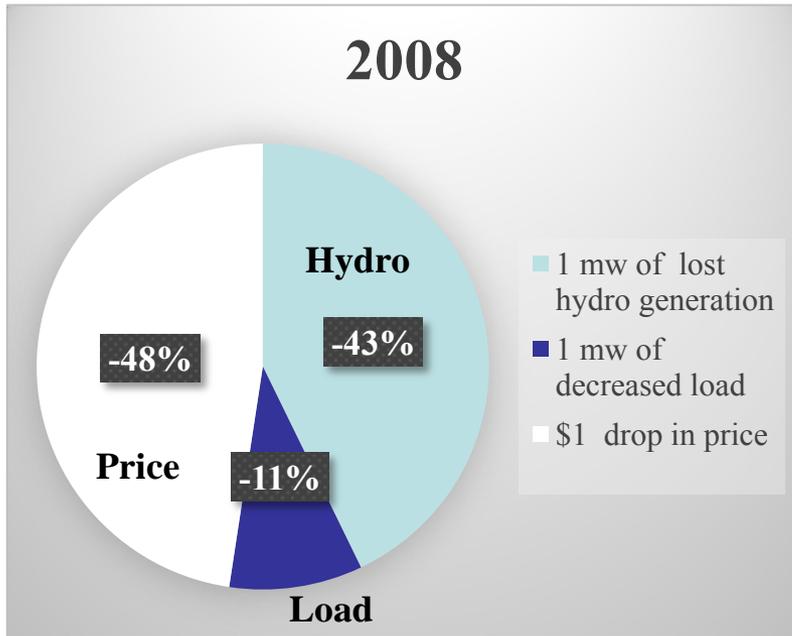
# Declining Wholesale Prices



# Wholesale Prices and BPA Rates



# Changing Risk Profile

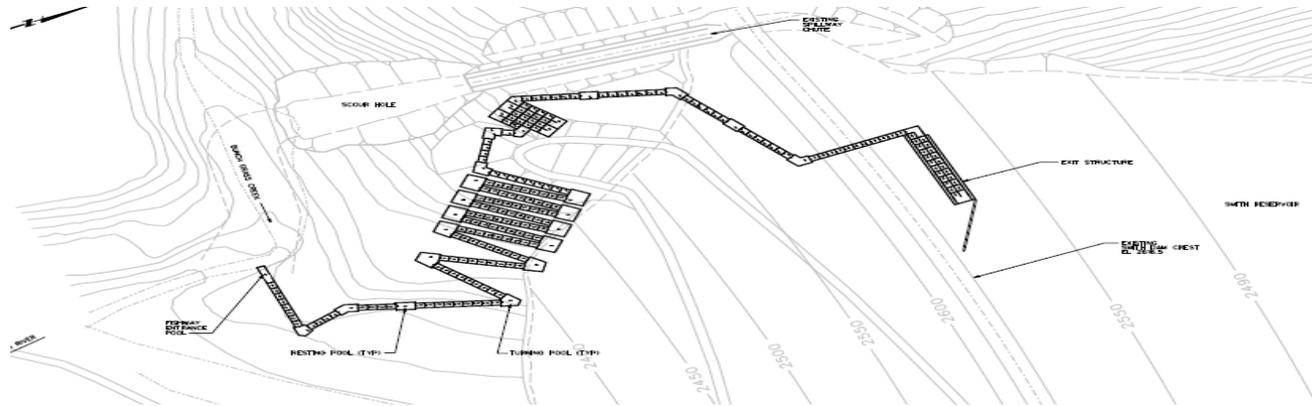


# Changing Risk Profile for EWEB with 100 MW surplus

	2008	2015
Retail Price	\$ 70.00	\$ 90.00
Wholesale Price	\$ 60.00	\$ 30.00
<b>Annual Lost Revenue 100 mw surplus</b>		
1 mw of lost hydro generation	\$ (525,600)	\$ (262,800)
1 mw of reduced load	\$ (87,600)	\$ (525,600)
\$1 drop in price	\$ (876,000)	\$ (876,000)

# Hydro Relicensing & Aging Infrastructure Costs

**EWEB recently asked FERC for a stay of license issuance for its Carmen Smith hydro facility due to a concern that under current conditions that the project is no longer economically viable.**



# **EWEB October Board Meeting**

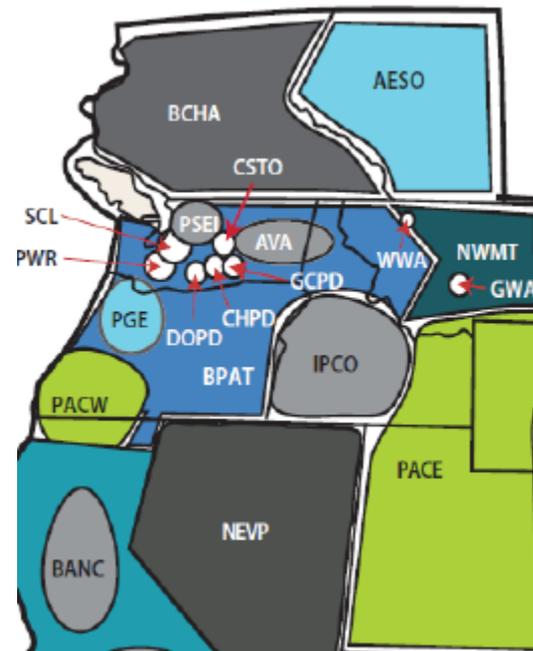
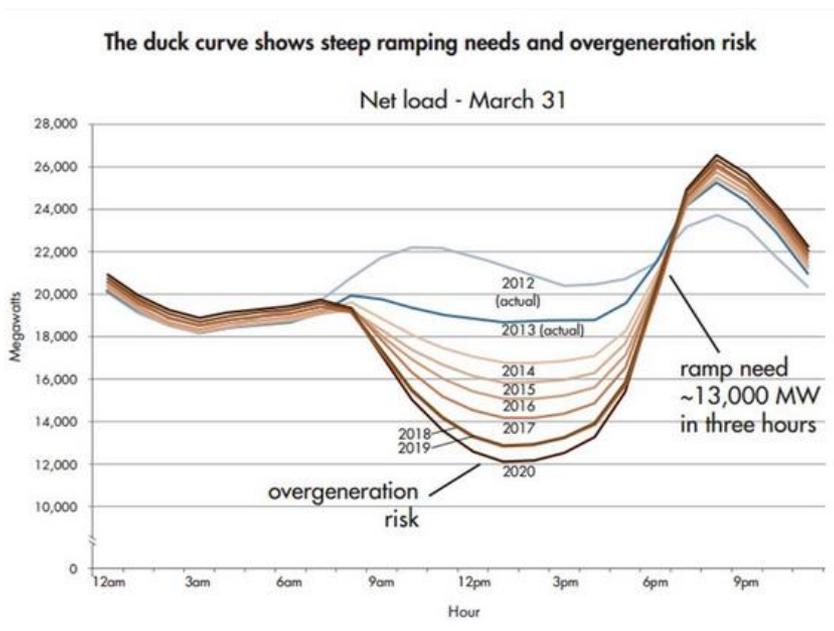
**Making decisions about how we are going to power our future require strategy.**

**Whether EWEB should remain in the generation and trading business is not a simple topic. EWEB has been in the generation business for decades.**

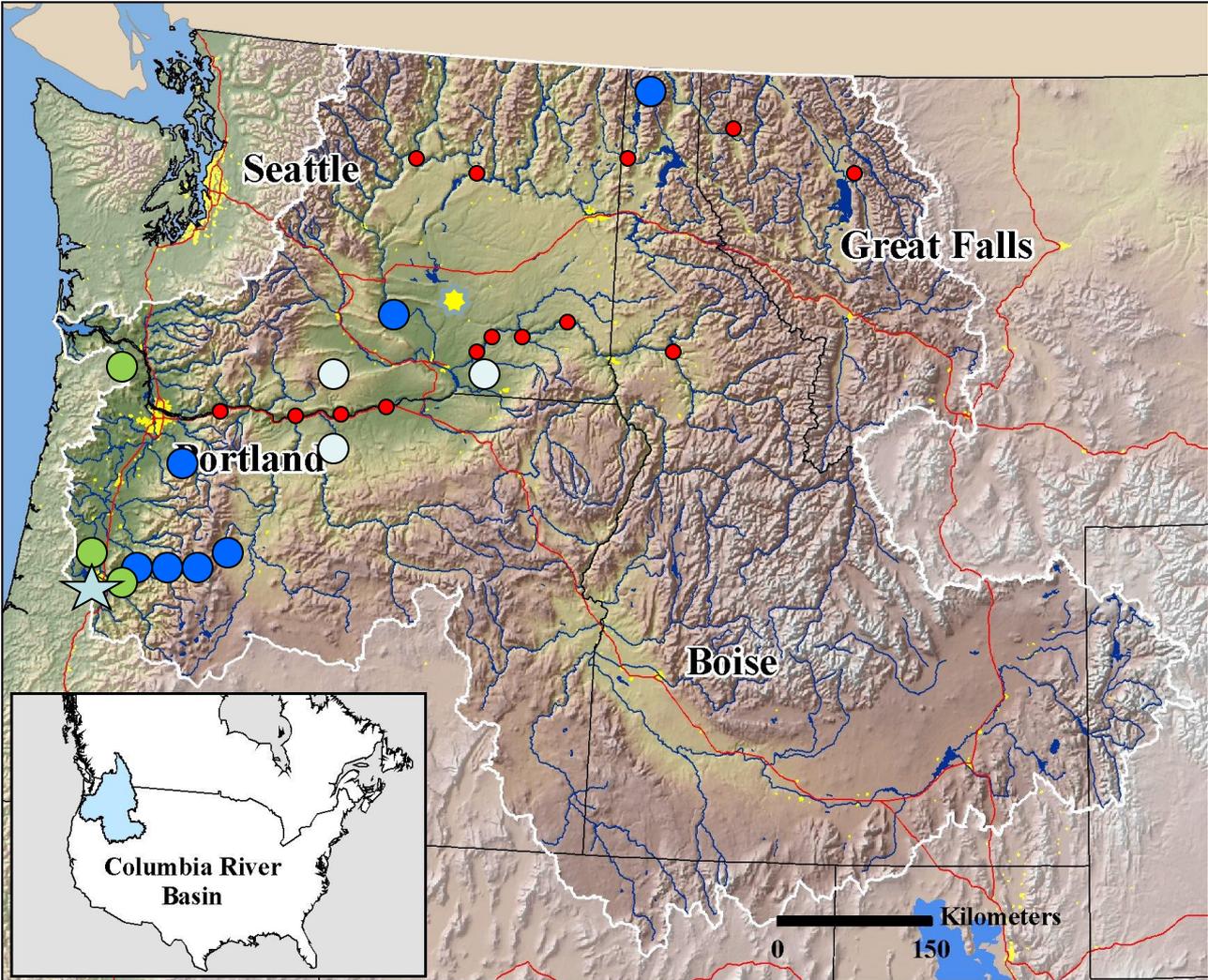
**Most of that history has been tremendously positive for EWEB customers in terms of economic benefit, diversity of supply and local control.**

# NW Market Redesign - CCED

Maximizing the value of surplus energy and capacity value.



# Firm Transmission Access



# What does the future hold?

