# The Northwest Energy/Salmon Concept

© Ed Cannady

### The Northwest Salmon/Energy Major Issues

- BPA is Experiencing Serious Financial Challenges
- Agriculture and Power Companies face Never Ending Lawsuits
- Idaho's Salmon and Steelhead Numbers are Near Extinction

### Status Quo Isn't Working



### An opportunity to break the unsustainable status quo

#### • Let's end the "salmon wars"

- Billions of dollars have been spent on litigation and failed mitigation and recovery plans.
- We can stop the never-ending lawsuits.
- We can have people and fish this is not people vs. fish.
- This is about more than salmon and dams
  - This is an opportunity to create our own path forward to invest in agriculture, clean energy, local economies, and more.



### An opportunity to expand agriculture infrastructure



- The infrastructure investments in this comprehensive proposal would allow producers to affordably maintain our region's diverse agricultural industries through:
  - Funding for animal nutrient research and development \$400M
  - A 25-year voluntary watershed program to improve and enhance water quality and temperature
  - Snake River Transportation \$3.6B
    - Improving grain transportation network
    - Shippers, handlers, and port facility adjustments
  - Rail and port development in the Tri -Cities and Lewiston-Clarkston to enhance the commodity transportation system
  - Reconfigured irrigation that is compatible with a restored lower Snake River

### We Can Replace the Power



- \$10B would be made available to BPA for clean, firm power replacement.
- Replacement power must be online before the first dam is bypassed.
- Pump storage and new battery technology and small modular reactors will create an effective combination for replacing energy.
- The concept creates the "Snake River Center for Advanced Energy Storage" co -located at Pacific Northwest National Laboratory and the new Lewiston -Clarkston Research Technology Campus.
- Transmission Resiliency and Optimization \$2B

### Benefits for Bonneville Power Administration (BPA)

- Borrowing cap with Treasury increases from \$7.7B to \$15B
- Fish mitigation responsibility met with a capped annual \$600M payment, net \$480M
- Certain legacy costs become 4(h)(10)(C) eligible
- Removed from direct fish management responsibilities



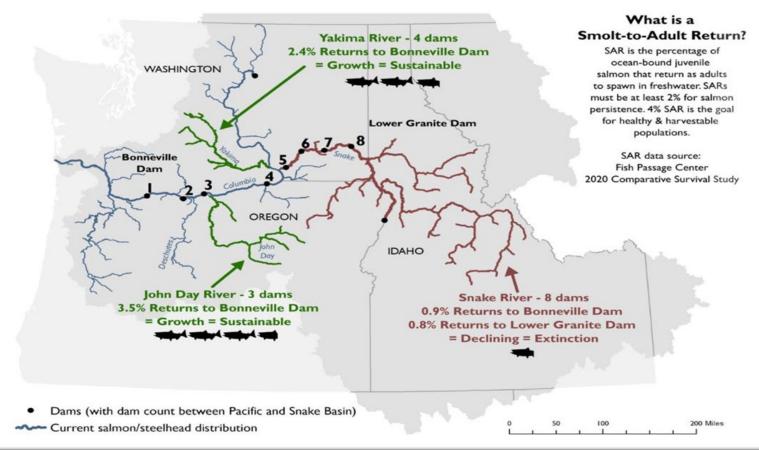


### The State of Snake River Salmon



- Over the past 30 years, more than \$17 billion have been spent on failed fish recovery efforts
  - More salmon and steelhead are listed under the Endangered Species Act today than in 1980
- Today, all Snake River salmon and steelhead are listed as threatened or endangered.

#### Wild Chinook Salmon Smolt-to-Adult Returns in the Columbia River Basin



## We Can End the 'Salmon Wars'

- This concept would lock in ALL major dams that produce more than 5 Megawatts in the Columbia, Snake and Willamette Basins, extending their licenses from 35 -50 years.
- It would also halt all litigation concerning these same dams related to Endangered Species Act, Clean Water Act. and the National Environmental Policy Act for 35 years.
- Dam Mitigation and Indemnification Program
  - Voluntary removal or mitigation of dams and Ο diversions - \$500M
  - Liability protection for dam owners \$500M Ο



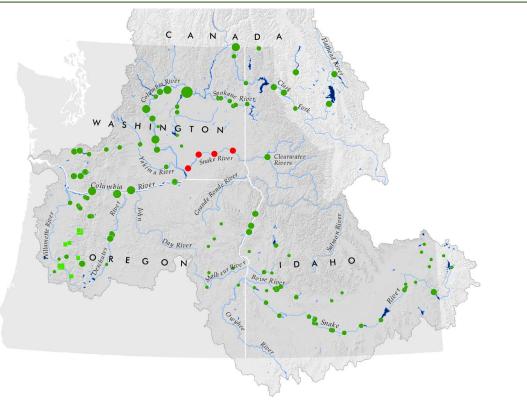
### **Columbia Basin Dams Impacted**

- Dams subject to FERC license extension and/or litigation moratorium.
- Willamette federal dams potentially deauthorized for electricity generation.
- Lower Snake River dams to be breached.

#### Dam Hydroelectric Capacity

- 0 10 MW
- 10 100 MW
- 100 1000 MW
  - 1000 2500 MW

2500+ MW



### Bypassing 4 dams - Restoring Lower Snake River

- Removing Earthen Berms & Sediment \$1.4B (2030-2031)
- Sediment Mitigation Fund \$400M
- Lower Snake River Corridor Restoration Fund \$75M
- Lower Snake River Corridor Road & Rail Study & Mitigation - \$300M



### Improving Water Quality



- Watershed Partnerships \$3B
  - Voluntary working groups to improve water quality and quantity
  - Snake River (\$700M)
- Animal/Nutrient Management \$1.6B
  - Idaho Snake River Basin Animal Nutrient Research & Development – \$400M

## **Investing in Communities**

- Lewiston -Clarkston Waterfront Restoration \$150M
- Snake River Center for Advanced Energy Storage \$1.25B
  - DOE program to develop large scale storage methods for renewable generation
- Economic Development and Compensation Funds \$875M
  - Including recreation, tourism, and commercial industries
- Designation of a Lower Snake River National Recreation
  Area



### An opportunity to create our own path forward

### This is a once-in-a-lifetime opportunity to shape an investment package that:

- Brings abundant salmon and steelhead to Idaho
- Maintains Idaho's agricultural legacy
- $\circ$  Secures reliable and affordable clean energy
- Honors the commitments to Northwest tribes
- Strengthens local economies

#### We can secure a more prosperous and sustainable Northwest future.



## **Common Asked Questions**

- What about predators?
- What about Idaho Water (487,000 acre feet) being flushed down river annually?
- What about power Idaho gets from those 4 Washington dams?
- What dams need to be bypassed? Are they used for flood control?
  - Lower Granite Dam
  - Little Goose Dam
  - Lower Monumental Dam
  - Ice Harbor Dam
- What happens if we just fight?
  - Spotted Owl
  - Klamath Basin



### Comments, Questions, Suggestions

Email: <a href="mailto:simpson.concept@mail.house.gov">simpson.concept@mail.house.gov</a>

Website: Simpson.house.gov/salmon

© Kevin Lewis