## SCORECARD

## Lower Snake River



| National Economic Development Benefit Cost Ratios $\rightarrow$ | Keep the Dams | Remove the Dams <br> $\$ 4.30$ - $\$ 19.76$ return on $\$ 1$ spent |  |
| :---: | :---: | :---: | :---: |
|  |  |  |  |
|  | 15¢ return on \$1 spent |  |  |
| Endangered Species Mitigation |  |  |  |
| Endangered Southern Resident Killer Whales (SRKW) \& Salmon Species | The USACE spent $\$ 800.0 \mathrm{M}$ over 15 years on failed system improvement efforts for juvenile salmon passage thru the four dams | Only remaining alternative in EIS for ecosystem recovery, increasing salmon numbers and prey availability for SRKW |  |
| Climate Change Challenges | Warming reservoirs kill salmon and favor predators, methane emissions increase |  | Diurnal cooling in natural rivers increases fish survival, allowing more fish to utilize high elevation spawning grounds in Idaho |
| Hydropower |  |  |  |
| Hydropower | Benefit \$202.6M AA, high side <br> Power generated is $2.9 \%$ of regional, with production trending downward due to aging infrastructure and the benefit likely a transfer from idle wind turbines |  | Cost \$0-\$261.8M AA <br> Shift to wind or other surplus sources; costs trending downward, regional grid surplus is 5 times production of LSR dams |
| Life Cycle Implementation | C Cost \$269.4M AA, 91\% of costs |  | Cost \$29.0M AA, breach 1 dam / yr |
| Transportation |  |  |  |
| Inland Navigation, down 50\% over last 20 years | Benefit $\$ 7.6 \mathrm{M} \mathrm{AA}$, high side <br> Cost $\$ 26.6 \mathrm{M} \mathrm{AA}, 9 \%$ of dam costs |  | Cost / Loss \$7.6M AA, DOT rail improvements mitigate loss, max $\$ 100 \mathrm{M}$ |
| Agriculture \& Local Economy |  |  |  |
| Land Use | Slack water reservoirs, poor fish habitat, 20,000 acres flooded land unavailable |  | 4-5,000 acres, available for viticulture, orchards, etc., significant increase in economic development |
| Recreation \& Local Economy |  |  |  |
| Recreation Activities, nonangler | Benefit $\$ 13.9 \mathrm{M} \mathrm{AA}$ <br> Cost $\$ 1,370.0 \mathrm{M} \mathrm{AA}$, <br> Measured in forfeited consumer surplus <br> Cost \$ 500.0M AA <br> Measured in forfeited expenditures |  | Benefit \$1,370.0M AA <br> Cost $\quad \$ 14.0 \mathrm{M} \mathrm{AA}$ <br> Significant increase in wide variety of income producing river recreation activities, pumping $\$ 500.0 \mathrm{M}$ into local economy in the first few years |
| Recreation Jobs | 人 Less than 500 jobs, LSFR provided no basis |  | Over 4,000 new Full \& Part-time jobs, Yr-1 |
| Recreation Angler | Benefit $\$ 30.9 \mathrm{M} \mathrm{AA}$ <br> Cost $\$ 34.9 \mathrm{M} \mathrm{AA}$ |  | Benefit $\$ 65.8 \mathrm{M} \mathrm{AA}$ <br> Cost $\$ 0.0 \mathrm{M} \mathrm{AA}$ |
| Fisheries |  |  |  |
| Commercial \& Tribal, not updated since 1999 | $\begin{array}{ll} \text { Benefit } & \$ 2.8 \mathrm{M} \mathrm{AA} \\ \text { Cost } & \$ 2.2 \mathrm{M} \mathrm{AA} \end{array}$ |  | Benefit $\$ 4.9 \mathrm{M} \mathrm{AA}$ <br> Cost $\$ 0.0 \mathrm{M} \mathrm{AA}$ |
| Non Authorized Purposes |  |  |  |
| Flood Control \& Sediment, dams not capable of flood control | 2-3M cubic yards drops out per year at Lewiston, increasing flood risk |  | Sediment moves downstream allowing removal of levees and economic development of riverfront |
| Water Supply \& Irrigation | 30,000 acres with low to medium value crops |  | Cost $\quad \$ 22.5 \mathrm{M} \mathrm{AA}$ <br> Modification of pumps \& wells significantly overestimated |

It costs more to kill Snake River salmon than to save them!

