SCORECARD

Lower Snake River Turbine Rehab 300 Keep the Dams \$ in Millions \$296M AA 200 \$29M AA, \$339M Breach Cost Fish Bypass Rehab Plus \$185M dam costs over 5 year breach period Breach the Dams 100 **Economic / Ecologic Change** 2005 2010 2015 2020 2025 2035 2000 Neutral Negative

		AA = Average Annual Cost at 6.8% Discount Rate
Nettend Francis Baseles	Keep the Dams	Remove the Dams
National Economic Development Benefit Cost Ratios →	15¢ return on \$1 spent	\$4.30 - \$19.76 return on \$1 spent
Endangered Species Mitigation	_	
Endangered Southern	The USACE spent \$800.0M over 15 years on	Only remaining alternative in EIS for
Resident Killer Whales	failed system improvement efforts for	ecosystem recovery, increasing salmon
(SRKW) & Salmon Species	juvenile salmon passage thru the four dams	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 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 Shift to wind or other surplus sources; costs trending downward, regional grid surplus is 5 times production of LSR dams
Life Cycle Implementation	Cost \$269.4M AA, 91% of costs	Cost \$29.0M AA, breach 1 dam / yr
Transportation		
Inland Navigation, down 50%	Benefit \$7.6M AA, high side	Cost / Loss \$7.6M AA, DOT rail
over last 20 years	Cost \$26.6M AA, 9% of dam costs	improvements mitigate loss, max \$100M
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, non- angler	Benefit \$13.9M AA Cost \$1,370.0M AA, Measured in forfeited consumer surplus Cost \$ 500.0M AA Measured in forfeited expenditures	Benefit \$1,370.0M AA Cost \$14.0M AA Significant increase in wide variety of income producing river recreation activities, pumping \$500.0M into local economy in the first few years
Recreation Jobs	Less than 500 jobs, LSFR provided no basis	Over 4,000 new Full & Part-time jobs, Yr-1
Recreation Angler	Benefit \$30.9M AA Cost \$34.9M AA	Benefit \$65.8M AA Cost \$0.0M AA
Fisheries		
Commercial & Tribal, not	Benefit \$2.8M AA	Benefit \$4.9M AA
updated since 1999	Cost \$2.2M AA	Cost \$0.0M 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 \$22.5M AA Modification of pumps & wells significantly overestimated

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