Iteration #2 Results

Water Supply – Work Group

Metrics/Evaluation Criteria

- Water Supply Impact Assessment:
  - Considered reservoir levels that provide for water deliveries for irrigation and M&I
  - Evaluated for Columbia Basin Project pumping costs from Lake Roosevelt (formed by Grand Coulee Dam) and
  - Evaluated for Oregon and Washington pumping costs from Lake Umatilla (formed by John Day Dam)

Metrics/Evaluation Criteria

- Metrics Evaluated
  - Lake Roosevelt -- Energy and capacity effects on pumping for Columbia Basin Project
  - Lake Umatilla – Energy effects on pumping to Oregon and Washington irrigated lands

John Day Analysis Results

- Lake Umatilla operated the same in alternatives
- No difference attributed to Treaty alternatives

Lake Roosevelt Analysis Results

- All alternatives have nearly the same pumping energy requirements
- 2B-TC slightly lower pumping cost (1%) due to higher March and April lake levels at Lake Roosevelt (Grand Coulee Dam)
- Work Group was not tasked with analyzing the E components, however, E1 eliminated pumping to Banks Lake.

Summary of Average Annual Pumping Requirements (MWh)

Alternative	Columbia Basin Project	Lake Umatilla
RC-CC	975,262	50,358
2A-TC	975,812 **(0%)**	50,358 **(0%)**
2A-TT	975,244 **(0%)**	50,358 **(0%)**
2B-TC	963,729 **(-1%)**	50,358 **(0%)**

Iteration 3 Proposed Analysis

- Recommend integration of additional water supply into Iteration 3 alternatives. There will not be a stand-alone water supply alternative.
- Analysis 1.5 MAF additional water supply from Canada to meet in-stream and out-of-stream purposes and objectives.
- High-level analysis of the cost of using Canadian Storage for an additional 1.5 MAF.
- Work will include an analysis of institutional and operational changes necessary to achieve additional water supply from Canada