Existing Goal Information

From Integrated Water Management Alternative Final EIS, June 2009

Groundwater Storage

- Supply out of stream uses, increase streamflows through increased groundwater discharge and/or replenish depleted groundwater storage

Enhanced Water Conservation

- Enhance instream flows and conserve existing water supply by improving water use efficiency in irrigation district conveyance, on-farm water application, and municipal, commercial and industrial systems.

Modifying Existing Structures and Operations

- Improve flows to reduce downstream travel times and increase smolt survival. Target reaches are downstream of Roza, Wapato, Parker and Prosser dams.
- Enhance juvenile bypass outfall facilities to improve survival at Roza (project construction planned). Evaluate at Parker, Wapato and Wanawish.
- Enhance tributary flows on Taneum, Manastash, Big and Little Creeks
- Augment stream flows in Lower Naches by completing Wapatox project (ties with conservation projects)

New Surface Storage

- Improve supply for proratable irrigators during low flow years
- Provide for municipal growth and improve spring and summer flows for resident and anadromous fish.
- Example benefits for increased Naches basin storage:
  - Increase winter and spring flow in the Bumping, Naches and Yakima Rivers during droughts
  - Reduce September flows in the Tieton River
  - Increase summer flows in the Yakima River below Parker gage
  - Provide for additional pulse flows when needed in winter or spring
- Example benefits for Wymer storage
  - Used in conjunction with upper basin fish projects to prevent any potential loss of TWSA
  - Store runoff in winters where prolonged thawing conditions create high flow conditions mid-winter
  - Improve the flexibility of water management in the event that climate change increases the frequency of mid winter runoff events.

Market Based Reallocation

- Increase the overall value of the goods and services derived from the basin's water resources by reallocating water from low-value to high-value uses
- Reduce the delay and transaction costs for reallocating water resources
- Ensure appropriate consideration for potential third party impacts.

Attachments with Additional Background Information

- 3 Maps Identifying Flow Issues (Spring, Summer and Winter)
- Water Demand Estimates Handout (also provided at 7/15 Workgroup Meeting)
- Monthly Flow Targets for Dry, Average and Wet Years (developed by USBR Technical Workgroup for 2008 Storage Feasibility Study)