Tualatin Basin Water Supply Partnership

Other Water Management Agencies
- Cities of Sherwood, Cornelius, Banks, North Plains
- Tualatin Valley Irrigation District
- Washington County
- Lake Oswego Corporation
Purpose: Evaluate Water Supply Options to Meet Long-term Multiple Needs

- Instream flow restoration
  15,000 acre-ft

- Municipal supply
  35,000 acre-ft

- Total Need 50,000 acre-ft
Project Planning Process

- Previous Water Supply Studies – 1990’s
- Federal Feasibility Study Authorization - 2003
- Water Supply Feasibility Study – 2004
- Water Supply Project – EIS/Permitting 2004 - 2006
Major Source Options for Feasibility Study

- Scoggins Dam raise - 20’ (24,500 AF)
- Scoggins Dam Raise - 40’ (52,500 AF)
- Irrigation Exchange Pipeline From Willamette River (25,000 AF)
- Stimson Dam (40’ raise)
Annual Flow into Hagg Lake

PARTNER SHARE DEMAND = EXISTING + 52.9 TAF = 106.5 TAF

EXISTING CONTRACTS = 53.6 TAF
Action Alternatives – Analyzed and removed from further detail study

- **Stimson Dam** (new dam downstream of existing dam)
  - Impacts, stakeholders and Costs
- **Scoggins Dam Raise - 20’**
  - Future demands
  - Combined with other action alternatives
- **Irrigation Exchange Pipeline from Willamette**
  - Stakeholder issues and Costs
Agreement on EIS proposed action
- 40’ raise of Scoggins Dam with Raw Water Pipeline Pump Back
- Other options analyzed
PSC direction for EIS Analysis of “Proposed Action”
Reclamation Alternatives Review
Summer 2005

- Reclamation review
- Concerns about single alternative
- Recommendation to develop second alternative
Second Alternative Development

- Technical review by project team and water managers group
- Source options matrix
- Development of the second action alternative
Multiple Source Option

A. 25' Dam Raise with Raw Water Pipeline Pumpback
B. Expansion of Willamette River Treatment Plant

LEGEND
- ASR = Aquifer Storage Recovery Well
- JWC = Joint Water Commission Water Treatment Plant
- Portland Bull Run System
- TVID = Tualatin Valley Irrigation District Pump Station
- Clean Water Services Wastewater Treatment Facility
- Willamette River Water Treatment Plant
Willamette River – A Feasible Source

- Examined in WSFS
- New information available
- Treatment infrastructure in place
EIS Informs Decisions

- EIS document will assess, compare and disclose impacts
- Coordination with other water supply efforts
- Communities will decide which source
Water Supply Project Schedule

- Water Supply Feasibility Study
  - 2001-04
- Planning Report/Environmental Impact Statements and Permitting
  - 2004-06
  - Draft EIS – April 2006
- Congressional Authorization
  - 2006-2009
- Design and Construction
  - 2010 - ???
Questions