







Updating Oregon's Integrated Water Resources Strategy



November 20, 2015 Water Resources Commission Meeting

Alyssa Mucken IWRS Program Coordinator



Outline









- Introduction
- Overview of the Strategy
- 2017 Update key themes
- Commission Discussion





Introduction: HB 3369

Oregon's House Bill 3369 (2009)

- Directed WRD to lead efforts to "understand and meet" Oregon's water needs" ———
- To partner with water quality, fish & wildlife, agriculture, other agencies, tribes, stakeholders, & public
- To account for coming pressures

7eth ORECON LEGISLATIVE ASSEMBLY-2009 Regular Session

Enrolled House Bill 3369

Sponsored by Representatives JENSON, J SMITH; Representatives BOONE, CANNON, CLEM, D EUWARDS, SCHAUFLER, G SMITH, WITT, Senator MORRISETTE

instream and out-of-stream ...quality, quantity & ecosystem needs ...today and in the future

Whereas the western United States is projected to experience substantial population growth this century, including an additional one million people in Oregon before 2030; and

Whereas climate change is expected to after the timing and form of precipitation in Oregon; and Whereas surface water is almost completely allocated across Oregon during summer months, ground water levels have declined precipitously in several areas and the hydrological connection between surface water and ground water levels is significant; and

Whereas Oregon needs to develop an integrated statewide water management plan to address existing and likely future in-stream and out-of-stream demands on Oregon's water supplier; and

Whereas having coordinated plans and programs to address in-stream and out-of-stream water needs will make Oregon a more likely recipient of federal investments and give Oregon strenger standing in interstate water disputes; and

Whereas water is a valuable economic commodity; and

Whereas water development projects can be designed to simultaneously benefit commercial development, the natural environment and the fiscal responsibilities of the state; and

Whereas it is the policy of the Water Resources Department to directly address Oregon's water supply needs and to restore and protect stream flows and water sheds; and

Whereas it is desirable that the Wahr Resources Department and the Wahr Resources Commission have greater authority to issue leans and grants to public and private bodies, indian tribes and others for the purpose of developing projects that will ensure the availability of a sufficient and sustainable wahr supply to most Oregon's current and future wahr mosts; and

Whereas loan and grant moneys for developing projects that ensure a sufficient and sustainable water supply must be administered in a prudent and fiscally sound manner and used expeditiously; and

Whereas water development projects that deliver mutual benefits for water users, the environment and the fiscal condition of this state should be funded or financed with public deliars; and Whereas all water within Gregon belongs to the public pressuant to law; now, therefore,

Be It Enacted by the People of the State of Oregon:

ADDING



2 Goals and 4 Objectives

GOALS:

- Improve our understanding of Oregon's water resources
- Meet Oregon's water resources needs

OBJECTIVES:

- Understand water resources today
- Understand instream and out-of-stream needs
- Understand the coming pressures that affect our needs & supplies
- Meet Oregon's instream and out-of-stream needs



Critical Issues

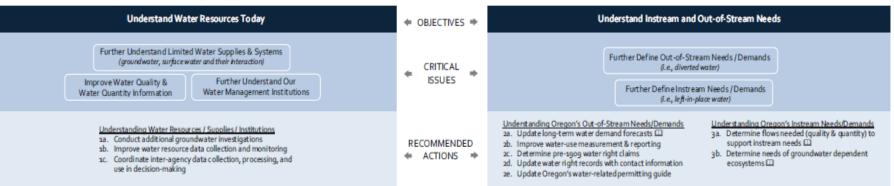
- Limited water supplies & systems
- Water quality & quantity information
- Water management institutions
- Further define out-of-stream needs/demands
- Further define instream needs/demands
- Economic development
- Population growth
- Climate change

- Water & energy nexus
- Infrastructure
- Water & land use
- Education & outreach
- Place-based efforts
- Healthy ecosystems
- Water management & development
- Public Health
- Funding

Oregon's Integrated Water Resources Strategy Strategy

Goal 1: Improve Our Understanding of Oregon's Water Resources

Goal 1 (continued)



Goal 1 (continued)

Goal 2: Meet Oregon's Water Resource Needs

Understand the Coming Pressures That Affect Our Needs and Supplies	♦ OBJECTIVES ⇒	Meet Oregon's Instream and Out-of-Stream Needs
Economic Development Water & Energy Nexus Water & Land Use Nexus Population Growth Oimate Change Infrastructure Education & Outreach	CRITICAL +	Place-Based Efforts Water Management & Development Healthy Ecosystems Public Health
The Water-Energy Nexus The Water and Land Use Nexus 4a. Analyze the effects on water from energy development projects & policies III 6a. Improve integration of water information into land use planning (& vice versa) 4b. Take advantage of existing infrastructure to develop hydrodectric power 6a. Improve integration of water information into land use planning (& vice versa) 4c. Promote strategies that increase/integrate energy & water savings III 6a. Update state agency coordination plans 62. Update state agency coordination plans 6c. Encourage low-impact development practices III 63. Support continued basin-scale climate change research efforts III 7a. Develop and upgrade water & wastewater infrastructure 7b. Encourage regional (sub-basin) approaches to water and wastewater systems 64. Actions 2. A. and 3. A.) 7b. Provide education and training for Oregor's next generation of water experts III 86. Provide education and training opportunities III 8d. Identify ongoing water-related research needs III	RECOMMENDED ← ACTIONS →	Place-Based Efforts ga. Undertake place-based integrated, water resources planning gb. Coordinate implementation of existing natural resource plans gc. Partner with federal agencies, tribes, and neighboring states in long-term water resources management Water Management & Development too. Improve water-use efficiency and water conservation III tool. Improve water-use efficiency and water conservation III tool. Improve additional water reuse projects III tool. Reach environmental outcomes with non- regulatory alternatives IIII tool. Authorize and fund a water supply development program tool. Authorize and fund a water supply development tool. Found and fund a water supply development tool. Found and fund a water supply development tore. torus and fund a water supply development torus and fund a water supply development





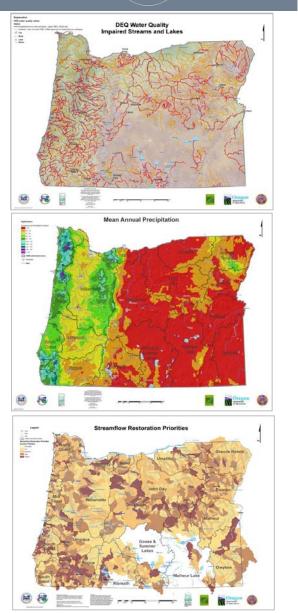




Phase I SETTING THE STAGE

- Issue papers
- Formation of key principles
- 3-year public workplan
- Public involvement
- Project team
- Three advisory groups:
 - Agency Advisory Group
 - Federal Liaison Group
 - Policy Advisory Group





Phase II IDENTIFYING WATER NEEDS

- 11 open house events
- Numerous stakeholder workshops and briefings
- Online survey, and "virtual" open house

PUBLIC OUTREACH GOAL: To form a vision for Oregon's water future, & to identify critical issues and potential solutions









Phase III DEVELOPING RECOMMENDED ACTIONS

- Feb. 2011 Progress Report to 76th Legislative Assembly
- Released "Bulletins" in June 2011
- Numerous opportunities for public comment
- Continued to meet with advisory groups
- Released Discussion Draft in December 2011







Brownlee Reservoir near Richland, Baker County



Phase IV producing oregon's first iwrs

- Continued opportunity for comment
- Notified other boards/commissions
- Final Draft released: June 2012





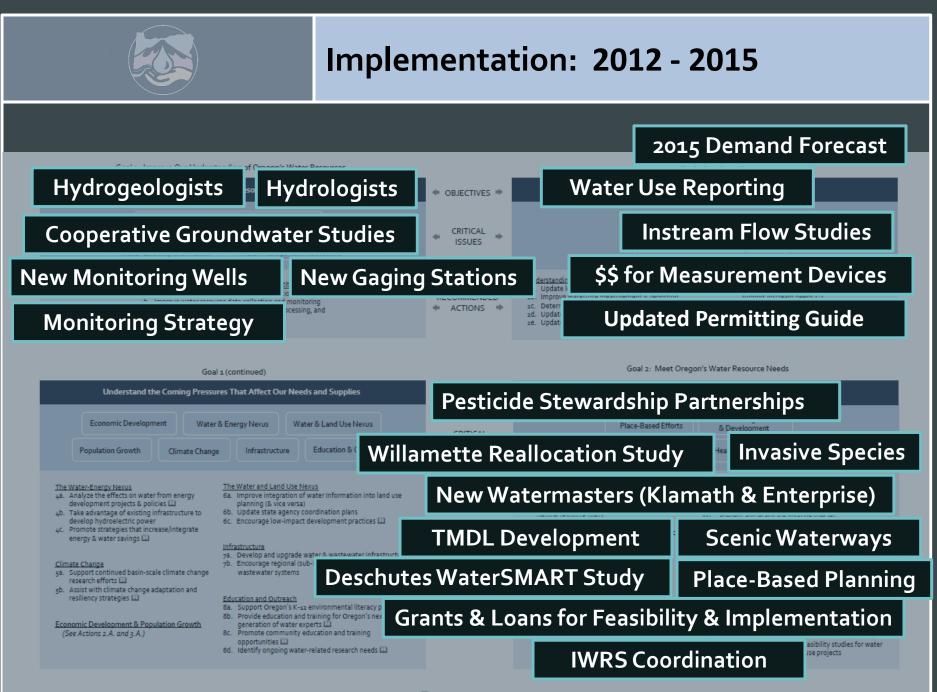


Brownlee Reservoir near Richland, Baker County



Phase V IMPLEMENTATION AND EVALUATION

- Commission adopted IWRS in August
 2012
- Introduced budget and policy packages during 2013 Legislative Session
- All partner agencies received funding to implement the IWRS



Oregon's Integrated Water Resources Strategy low

An iterative process will help us evaluate whether the recommended actions meet the goals and objectives of the Strategy. The process will include monitoring the implementation of recommended actions, to commitment to resolving conflicts that arise during the course of implementation, providing feedback on any successes or shortcomings, and evolving or adapting to new information or resources. As we learn lessons from the first round of implementation, we can adjust the Strategy as needed through formal adoption every five years.



2017 Update: Looking Ahead







- 2017 IWRS Update will be surgical
- Comprehensive revision could occur at the ten-year mark
- Governor's July 2015 directive on drought and climate change
- A more targeted look at coming pressures (e.g., extreme weather events)
- A key focus on demonstrating and reporting progress made to date









Questions for the Commission

- 1. Form a sub-committee of the Water Resources Commission?
- 2. Convene an Advisory Group?
- 3. Solicit public input in early 2016?
- 4. Continue to provide regular updates to the Commission?









Next Steps & Noteworthy Items

- 1. Develop a 2-year workplan
- 2. Must notify other boards and commissions prior to adoption
- 3. 2017 IWRS must be adopted by WRC and recognized in rule

Thank you

Images courtesy of Kyle Gorman of OWRD (Metolius River); Michael Lemmon (Snake River Gorge), Oregon Dept. of Transportation (Willamette R. Blue Heron), Bob Wood of OWRD (Mt. Hood); Oregon Parks and Recreation Department (Cottonwood Canyon); and the Oregon Department of Fish and Wildlife (Sandy River); All other images courtesy of Gary Halvorson, Oregon State Archives.