

2017-2022 Integrated Water Resources Strategy (IWRS) Progress Report

House Committee On Agriculture, Land Use, and Water
December 7, 2022

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IWRS Fundamentals

- Oregon's House Bill 3369 (2009)
- ORS 536.220
- OWRD to lead efforts to “understand and meet” Oregon's water needs
- Partnered with ODA, ODEQ, ODFW, other agencies, tribes, stakeholders, & public

Oregon's **2017**
Integrated Water Resources Strategy



Oregon's 2017 Integrated Water Resources Strategy

A framework for improving our understanding of Oregon's water resources and meeting our instream and out-of-stream needs, including water quantity, water quality, and ecosystem needs



(1) Understand Water Resources Today

Further Understand Limited Water Supplies & Systems
(groundwater, surface water, and their interaction)

Improve Water Quality & Quantity Information

Further Understand Our Water Management Institutions

Understanding Water Resources / Supplies / Institutions

- 1.A Conduct additional groundwater investigations
- 1.B Improve water resource data collection & monitoring
- 1.C Coordinate inter-agency data collection, processing, and use in decision-making

← OBJECTIVES →

← CRITICAL ISSUES →

← RECOMMENDED ACTIONS →

(2) Understand Instream and Out-of-Stream Needs

Further Define Out-of-Stream Needs / Demands
(i.e., diverted water)

Further Define Instream Needs / Demands
(i.e., left-in-place water)

Understanding Oregon's Out-of-Stream Needs/Demands

- 2.A Regularly update long-term water demand forecasts
- 2.B Improve water-use measurement & reporting
- 2.C Determine unadjudicated water right claims
- 2.D Authorize the update of water right records with contact information
- 2.E Regularly update Oregon's water-related permitting guide

Understanding Oregon's Instream Needs/Demands

- 3.A Determine flows needed (quality & quantity) to support instream needs
- 3.B Determine needs of groundwater dependent ecosystems

← OBJECTIVES →

← CRITICAL ISSUES →

← RECOMMENDED ACTIONS →

(3) Understand the Coming Pressures That Affect Our Needs and Supplies

Economic Development

Water & Energy

Climate Change

Extreme Events

Population Growth

Water & Land Use

Water-Related Infrastructure

Education & Outreach

Water & Energy

- 4.A Analyze the effects on water from energy development projects & policies
- 4.B Take advantage of existing infrastructure to develop non-traditional hydroelectric power
- 4.C Promote strategies that increase/integrate energy & water savings

Climate Change

- 5.A Support continued basin-scale climate change research efforts
- 5.B Assist with climate change adaptation & resiliency strategies

Extreme Events

- 5.5A Plan and prepare for drought resiliency
- 5.5B Plan and prepare for flood events
- 5.5C Plan and prepare for a Cascadia subduction earthquake event

Economic Development & Population Growth

(See Actions 2A and 3A)

Water & Land Use

- 6.A Improve integration of water information into land use planning (and vice versa)
- 6.B Improve state agency coordination
- 6.C Encourage low-impact development practices and green infrastructure

Water-Related Infrastructure

- 7.A Develop and upgrade water and wastewater infrastructure
- 7.B Encourage regional (sub-basin) approaches to water and wastewater systems
- 7.C Ensure public safety/dam safety

Education and Outreach

- 8.A Support Oregon's K-12 environmental literacy plan
- 8.B Provide education and training for Oregon's next generation of water experts
- 8.C Promote community education and training opportunities
- 8.D Identify ongoing water-related research needs

(4) Meet Oregon's Instream and Out-of-Stream Needs

Place-Based Efforts

Water Management & Development

Healthy Ecosystems

Public Health

Funding

Place-Based Efforts

- 9.A Continue to undertake place-based integrated, water resources planning
- 9.B Coordinate implementation of existing natural resource plans
- 9.C Partner with federal agencies, tribes, and neighboring states in long-term water resources management

Water Management & Development

- 10.A Improve water-use efficiency and water conservation
- 10.B Improve access to built storage
- 10.C Encourage additional water reuse projects
- 10.D Reach environmental outcomes with non-regulatory alternatives
- 10.E Continue the water resources development program
- 10.F Provide an adequate presence in the field
- 10.G Strengthen water quantity & water quality permitting programs

Healthy Ecosystems

- 11.A Improve watershed health, resiliency, and capacity for natural storage
- 11.B Develop additional instream protections
- 11.C Prevent and eradicate invasive species
- 11.D Protect and restore instream habitat and habitat access for fish and wildlife
- 11.E Develop additional groundwater protections

Public Health

- 12.A Ensure the safety of Oregon's drinking water
- 12.B Reduce the use of and exposure to toxics and other pollutants
- 12.C Implement water quality pollution control plans

Funding

- 13.A Fund development and implementation of Oregon's IWRS
- 13.B Fund water resources management activities at state agencies
- 13.C Invest in local or regional water planning efforts
- 13.D Invest in feasibility studies for water resources projects
- 13.E Invest in implementation of water resources projects

Water Data Portal

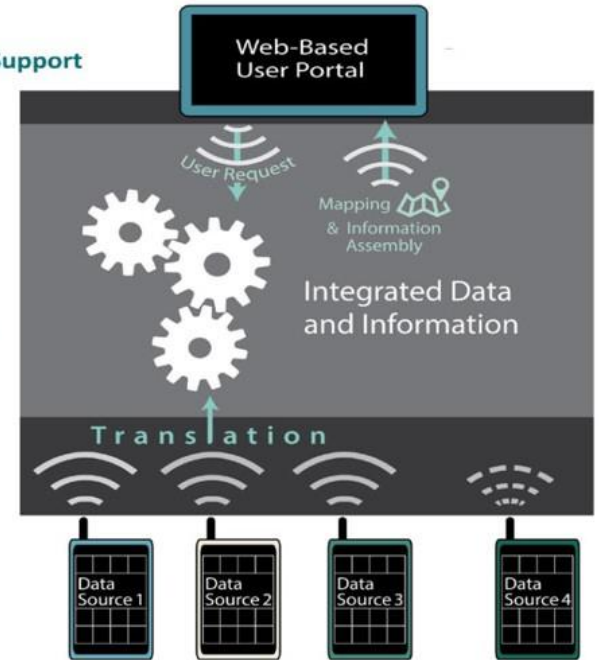
- DEQ, OWEB, OWRD, ODA, ODFW, ODF, DAS, ODSL, OHA, DLCD, OSU, and others
- Supports need for accessible and standardized data
- Critical for decision-making
- IWRS recommended actions 1.B, 1.C, 2.B, 5.B, 6.A, 6.B, 8.A, 8.B, 9.A, 10.A

Access and Decision-Support Tools for Users

Web-Based User Portal

Water Data Integration Platform

Water Data Inputs



Drought Support

- **DLCD, DOGAMI, ODA, ODFW, ODHS, ODOE, OEM, OHA, OWEB, OWRD**
- Fish passage & drought education (ODFW)
- Emergency water supplies in Klamath (ODHS/OEM)
- Water Well Abandonment, Repair, and Replacement Fund (OWRD)
- Drought Relief Grants (OWEB)
- IWRS recommended actions 1.B, 1.C, 2.B, 4.C, 5.A, 5.B, 5.5C, 6.B, 13.B, 13.D, 13.E



Pesticide Stewardship Partnership

- ODA, ODEQ, ODFW, ODF, OWEB, OSU, PSU
- Partnerships with landowners, watershed councils
- Water quality monitoring, education
- Measurable results
- IWRS recommended actions
1.C, 3.A, 3.B, 5.B, 6.A, 7.B, 8.D,
9.A, 9.B, 9.C, 10.C, 11.B



Findings

- Success
- Areas for Improvement
- Recommendations



Funding Recommendations

- 2023-25 Policy Option Packages, Agency Requested Budgets
- OWRD POP 101
- Ongoing vs. One-time funding



IWRS 5-Year Update

- Progress Report provides foundation for update
- Investments from 2021 inform the next IWRS
- Utilize existing teams
- Outreach and Engagement in 2023
- Guiding/Living document including ongoing outreach with other agencies + public



Questions?

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