Oregon's 100-Year Water Vision

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Integrated Water Resources Strategy

"Oregon's 2017 Integrated Water Resources
Strategy continues to chart a long-term
course to meet the state's instream and outof-stream water needs. All Oregonians
need water to thrive—it supports our
economies, our renowned wildlife and
nature, bountiful agriculture products, and
healthy and livable communities"
Governor Kate Brown (IWRS Foreword, 2017)

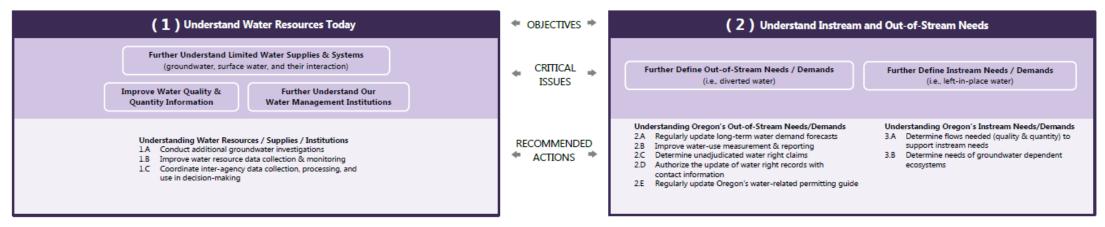
Oregon's **2017**Integrated Water Resources Strategy



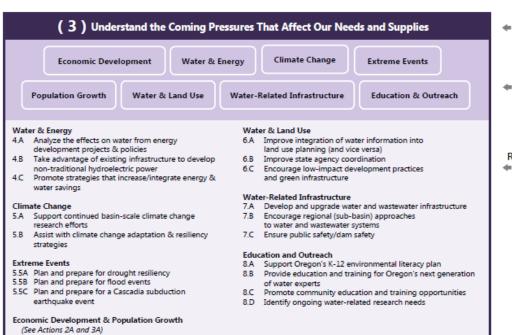
Oregon's 2017 Integrated Water Resources Strategy

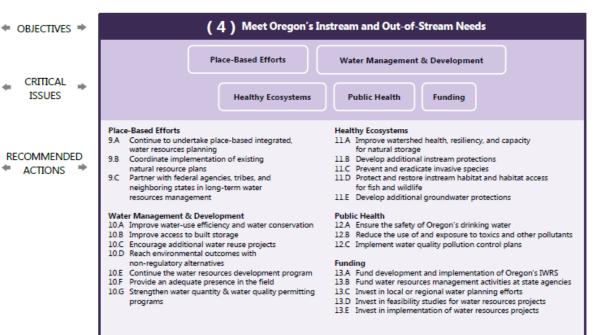
A framework for improving our understanding of Oregon's water resources and meeting our instream and out-of-stream needs, including water quantity, water quality, and ecosystem needs





ISSUES





Understand Water Resources Today



Understand Instream and Out-of-Stream Needs



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)

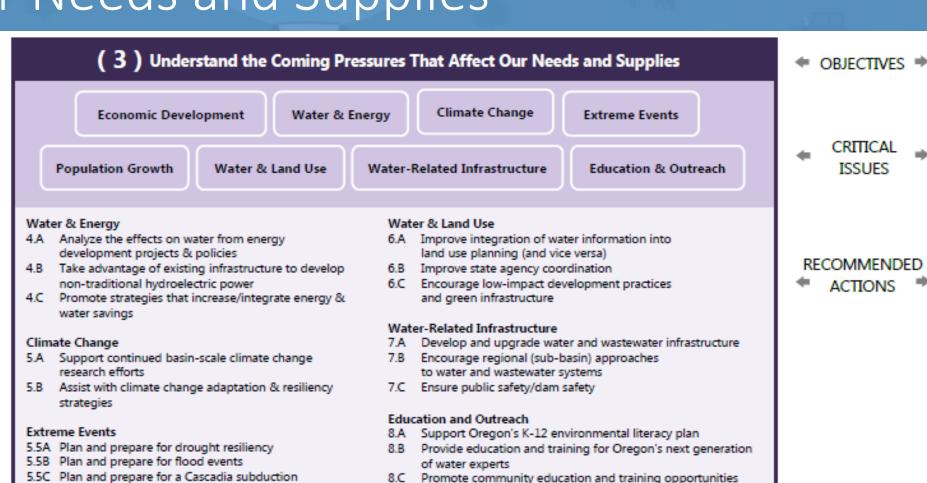
Understanding Oregon's Out-of-Stream Needs/Demands

- 2.A Regularly update long-term water demand forecasts
- 2.B Improve water-use measurement & reporting
- 2.C Determine unadjudicated water right claims
- 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

Understand the Coming Pressures That Affect Our Needs and Supplies



8.D Identify ongoing water-related research needs

earthquake event

(See Actions 2A and 3A)

Economic Development & Population Growth

Meet Oregon's Instream and Out-of-Stream Needs



CRITICAL ISSUES

RECOMMENDED

ACTIONS

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

Place-Based Efforts

Water Management & Development

Healthy Ecosystems

Public Health

Funding

Place-Based Efforts

- Continue to undertake place-based integrated, water resources planning
- Coordinate implementation of existing natural resource plans
- 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



- Preparing a Secure, Safe and Resilient Water Future for All Oregonians
- Develop broad coalition to assess current status, evaluate need, develop funding and investment strategies for built and natural infrastructure
- Build on the Integrated Water Resources Strategy and other existing plans

Example IWRS Recommended actions (2017)

- Plan and prepare for drought resiliency, flood events, Cascadia
- Ensure public safety/dam safety
- Provide an adequate presence in the field
- Strengthen water quantity/quality permitting programs
- Develop additional groundwater protections
- Invest in local/regional water planning
- Invest in implementation of water resources projects

100-Year Vision Goals

Health: Secure, safe, accessible, and healthy water for current and future Oregonians.

Economy: Adequate and clean ground and surface water to support economic vitality for all Oregonians.

Environment: Adequate cool, clean water for native fish and wildlife to thrive, and healthy watersheds that can store and filter water naturally.

Safety: Resilient water supply and flood protection systems that can face natural hazards like earthquakes, floods and drought.

Draft Water Vision Problem Statements

Oregon's water infrastructure has served us well, but is showing its age.

We have underinvested in the new natural and built systems to meet the needs of a vibrant 21st century Oregon.

Draft Problem Statements

What's at Risk?	What's the Result?
Built and natural water supply infrastructure &	Lack of reliable access to water in emergencies and for healthy
conservation tools to access adequate water	people, communities, food production, economy
Built and natural waste water and water	Increased health risks for people, fish and wildlife
treatment infrastructure for cool, clean water	
Built and natural stormwater infrastructure,	Reduced community safety, increased property damage, and
levees and dams	economic hardship
What's Lacking?	What's the Impact?
Data about water and infrastructure	Reduced ability for strategic decision-making, cross-agency
	coordination, and ways to test new ideas
Capacity across all Oregon communities for	Missed opportunities to take advantage of large-scale funding
planning, strategic investment and	and partnerships
implementation	
Coordinated built and natural water	Reduced ability for Oregonians – including disproportionately
infrastructure investments	impacted and rural communities – to access adequate clean
	water and return it for downstream uses

Phase I: Listen, learn and gather information from across Oregon

Objectives:

- ✓ Refine the draft vision document, problem statement, and goals as appropriate from feedback received.
- ✓ Increase awareness by water leaders of the context around the 100-Year Water Vision and its goals, including examples.

Phase I: Listen, learn and gather information from across Oregon

Objectives:

- ✓ Building on the Integrated Water Resources Strategy (IWRS), increase understanding of available data and gaps in data related to current surface and groundwater condition, as well as built and natural water infrastructure conditions and needs.
- ✓ Building on the IWRS, increase identification of priority data needs for effective built and natural water infrastructure decision-making.
- ✓ Increase knowledge of current state and federal funding available for water system investments and funding gaps.

Phase I: Fall Actions

Interviews and Online Feedback

Water Academies

Technical Workshops

Presentations at organizational meetings, with boards and commissions, tribes and other partners

Website, Feedback, and Listserve

More About the Vision

Vision Problem Statement

Get Involved

Share Your Thoughts

Our Shared Vision

To address changes in climate and population dynamics, Oregon will steward its water resources to ensure clean and abundant water for our people, our economy, and our environment, now and for future generations. Strategic investments will result in resilient natural and built water systems across the state to support safe and healthy communities, vibrant local economies, and a healthy environment.

Goals

Health

Secure, safe, accessible, and healthy water for current and future Oregonians.

Economy

Adequate and clean ground and surface water to support economic vitality for all Oregonians.

Environment

Adequate cool, clean water for native fish and wildlife to thrive, and healthy watersheds that can store and filter water naturally.

Safety

Resilient water supply and flood protection systems that can face natural hazards such as floods and

Investing in Our Water Future

Many areas of Oregon are known for clean and reliable water. This is due to both favorable climate and the infrastructure we built in the 19th and 20th centuries to effectively move water from its source to where it is used. As has been identified in Oregon's Integrated Water Resources Strategy, 3 forces combine to place significant stress on Oregon's water:

- 1. Climate change and associated increases in fire, drought, and flooding:
- 2. A half century of underinvestment in built and natural water infrastructure; and
- 3. Our changing population and associated development growing in some areas, shrinking in others.

These factors impact the quality and quantity of water for our communities, including water in our rivers, lakes, reservoirs, and aquifers. Simply put, if we are not willing to roll up our sleeves and work together to invest in our natural and built water systems, we place the safety of our communities, the health of our people and environment, and Oregon's economic future at risk.

More About the Vision Vision Problem Statement | Get Involved

Share Your Thoughts

Events

Business Oregon Infrastructure Summit, October 20-21, Salem Convention Center

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Contact

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www.OregonWaterVision.org

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- Water Core Team Bruce McIntosh (ODFW) & Renee Davis (OWEB)
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