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



10.C Encourage additional water reuse projects

10.F Provide an adequate presence in the field

10.E Continue the water resources development program

10.G Strengthen water quantity & water quality permitting

10.D Reach environmental outcomes with

non-regulatory alternatives

programs

5.8 Assist with climate change adaptation & resiliency strategies

Extreme Events

- 5.5A Plan and prepare for drought resiliency
- 5.58 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)

8.A Support Oregon's K-12 environmental literacy plan 8.8 Provide education and training for Oregon's next generation of water experts

Education and Outreach

- 8.C Promote community education and training opportunities
- 8.D Identify ongoing water-related research needs

- Funding
- 12.C Implement water quality pollution control plans 13.A Fund development and implementation of Oregon's IWRS
- 13.8 Fund water resources management activities at state agencies

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- 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

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.

100-Year Water Vision

- 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 existing plans

Example IWRS Recommended actions (2017)

100-Year Vision Goals

- 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

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.

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.

- Without modern water supply systems and water conservation approaches that combine to provide reliable access to water, including in emergencies, Oregonians risk not having water available when it's needed for healthy people and communities, food production, and a thriving economy.
- Without coordinated built and natural water infrastructure investments, Oregonians –including those in disproportionately impacted and rural communities – may be unable to access adequate clean water and return it to our rivers for downstream users, fish, and wildlife.

- Without resilient built and natural infrastructure that provides cool and clean water across all Oregon watersheds, our people – and our fish and wildlife – are increasingly vulnerable to the health risks associated with lack of access to adequate, clean water.
- Without strong capacity across all Oregon communities to plan for their water future, and effective ways to ensure strategic water investment decisions are coordinated across and between local, regional, state, and federal agencies, communities will not be prepared to take advantage of large-scale water infrastructure funding opportunities or collaborative and innovative partnerships.

- Without upgraded levees, dams, stormwater systems, tide gates, and the natural protection of wetlands and estuaries, our communities will be less safe and at increased risk of damage and economic hardship from localized and catastrophic flooding.
- Without access to relevant water data for effective decision-making, crossagency coordination, and intentional approaches to test new ideas, built and natural water systems will perennially fall short of providing for Oregon's instream and out-of-stream water needs.

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 | Fall Actions

Interviews and Online Feedback

Water Academies

And party inter or

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 drought.

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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