Oregon
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Draft
for Jan. 19, 2010

Preliminary 2009-2012 Work Plan

Oregon's Integrated Water Resources Strategy: An Action Agenda for the Next Five Years

Water is one of the most Oregon's precious natural resources. With more than 100,000 miles of rivers and streams, 360 miles of coastline, and some of the cleanest lakes in the world, Oregon is renowned for its water. Our rivers and streams not only provide natural beauty, but they supply the water necessary for drinking, recreation, industry, agriculture, and fish and wildlife.

Today, however, water resource management in Oregon is facing a number of significant challenges. Surface water is nearly fully allocated during the summer months and groundwater is showing declines in many areas. More than 1,861 water bodies are impaired and not meeting water quality standards. Twenty-four fish species have been identified as Threatened or Endangered under the Federal Endangered Species Act, while another 31 are listed as state sensitive species.

A statewide, integrated water resources strategy can help improve our understanding of the needs of Oregonians and the needs of our environment, and set forth an action agenda to meet these needs. The success of such a strategy will hinge on how well it integrates water quantity, water quality and ecological issues. Because these three issues are closely linked, Oregon must examine and address water resource issues in a holistic manner.

An integrated water resources strategy will provide a blueprint for the state to follow as it prepares to meet Oregon's water needs: instream and out-of-stream; above ground and below ground; now and in the future. Such a strategy will also provide a framework for local entities to use as they dedicate their own limited resources to water resource efforts.

A. Statutory Foundation and Legislative Direction

During 2009, the 75th Legislative Assembly passed House Bill 3369, directing the Water Resources Department to develop a state-wide, integrated water resources strategy to help Oregon meet its future water needs in terms of water quantity, water quality, and ecosystem functions (see Appendix A for full text).

House Bill 3369 states that the Water Resources Department shall develop a strategy to implement ORS 536.220(2), which calls for the state to "formulate a coordinated, integrated state water resources policy and provide means for its enforcement, that plans and programs for the development and enlargement of the water resources of this state be devised and promoted and

that other activities designed to encourage, promote and secure the maximum beneficial use and control of such water resources and the development of additional water supplies be carried out by a single state agency…"

The bill further clarifies these mandates by stating that the Water Resources Department "shall design the strategy to meet Oregon's in-stream and out-of-stream water needs." The bill directs the Water Resources Department to work in close cooperation with the Department of Environmental Quality and Department of Fish and Wildlife, to develop the Integrated Water Resources Strategy (IWRS) and to develop data on an ongoing basis to forecast these needs. The bill then adds the Department of Agriculture to the key agencies responsible for reporting progress on the Strategy in 2011 and adds Agriculture to the list of consulting entities who shall receive notice prior to adoption of the Strategy.

The Water Resources Commission has responsibility for formal adoption of the Strategy.

The bill requires the Strategy to include objectives as well as actions designed to meet these objectives under the strategy. It also requires: a description of relevant factors such as population growth and land-use change; plans and recommendations related to the challenges presented by climate change; provisions to ensure communications and partnerships with key stakeholders; a description of functions and roles to be played by other agencies; and finally, public policy options and recommendations.

B. Defining a Statewide Integrated Water Resources Strategy

During January 2009, the Water Resources Commission's Planning Committee—comprised of three members of the Water Resources Commission—with staff from the Water Resources Department and Department of Environmental Quality met with 41 public and private organizations from throughout Oregon. These groups provided feedback, offering suggestions as the Project Team outlined its definition of a state-wide, integrated water resources strategy.

Key Principles. These meetings, along with Water Resources Commission and Department discussions, have led to a set of key principles in the areas of vision, process, content, and implementation.

Vision

- Develop a vision with a commitment to maintaining and sustaining beneficial uses.
- Provide water that is crucial for life, economy, and community.
- Address in-stream and ecological uses as well.
- "Take care of Oregon's water."
- Recognize that needs and solutions may differ by basin.

Process

- Employ an open, transparent, and publicly accessible process.
- Be fair and creative.

- Allow for learning and adaptation for changes in markets, climate, technologies, etc.
- Allow for a long-term and evolving process over time.
- Base conclusions on best available science and local input.
- Build in safety valves; avoid getting overly complicated; use an iterative process.
- Use existing information such as maps and databases; make them publicly available.
- Make sure communities have the best technical information available to improve their participation and decision-making.
- Use uniform protocols for collecting and requesting data.

Content

- Include a preamble that describes the value of a planning process.
- Describe "where we are today," including the status of water quantity and quality, how we manage water, and the work that remains.
- Include an analysis of other state planning processes (outcomes, lessons learned, etc.).
- Develop a framework and tools (including data and other resources) necessary for the state to understand and meet water resource needs.
- Offer a suite of potential solutions (outreach, education, policies, regulations, grants).
- Note successes in the areas of conservation, supply development, storage, and re-use.
- Provide incentives to participate in developing solutions (e.g., grants).
- Avoid recommendations that are complicated, legalistic, and administrative. Focus on recommendations that are visionary and challenging.

Implementation

- Develop a product that is useful and implementable.
- Include in the next iteration "lessons learned" from the previous round.
- Be clear that each five-year look only represents a "snapshot" in time.
- Include a way to measure or evaluate water projects and studies.
- Build on successful tools, data, and programs that exist today.
- Encourage regional partnerships that create local solutions.

Defining "statewide." The focus during 2009-2012 will be on the development of a statewide framework and recommended actions. Efforts will focus on developing recommendations statewide, but the Strategy may also identify information/data, planning, funding, or other technical resources that would be beneficial to specific regions of the state.

Defining "integrated." This means addressing water quantity, water quality, and ecological needs during the formation of water resource policies and scientific work. The Integrated Water Resources Strategy will take an integrated approach.

Defining "strategy." Given the limited time and resources dedicated to these efforts, the Strategy will take the form of an "action agenda" for the next five years. The voluminous tomes of data and analysis that typically embody long-term planning efforts will not be part of this strategy. Instead, the final product will outline the information/data, planning, public policy,

regulatory, funding, and outreach/education components needed to better understand and meet Oregon's water resource needs.

Defining a "vision." At the June 2009 Water Resources Commission meeting, the Water Resources Commission's Water Planning Committee offered the following vision statement:

A statewide integrated water resources strategy will bring various sectors and interests together to work toward the common purpose of maintaining healthy water resources to meet the needs of Oregonians and Oregon's environment for generations to come.

HB 3369 requires a Strategy that necessarily builds on the above statement, providing "objectives of the strategy" and "actions that are designed to achieve the objectives of the strategy." Below, the Water Resources Commission's vision has been translated into goals and objectives. The "recommendations for action" will come from the collective work of the Advisory Groups and public involvement process. These recommendations for action may be statewide and/or local in nature. They may include information/data, planning, policy, regulatory, funding, or outreach/education tools.

Goal #1: Improve understanding of Oregon's water resource needs

Objective #1:	Improve understanding of instream (non-consumptive) needs: Ecological needs ~ watershed, forest, estuary, flood plains Transportation, hydropower, recreation, and scenic waterways	Under-standing water needs and resources today
Objective #2:	Improve understanding of Oregon's out-of stream (consumptive) needs: Economic development, public health and safety, cultural needs	
Objective #3:	Improve understanding of Oregon's water resources today: Surface water quantity and quality Groundwater quantity and quality Interaction between surface water and groundwater.	
Objective #4:	Improve understanding of pressures that could affect needs: Population growth, land-use changes, economic development goals ~ more ideas collected throughout project (workshops and open houses)	Under-standing the coming pressures
Objective #5:	Better understand what pressures could affect access to clean & reliable water resources: Climate change, land-use changes Drought, flood, seismic events and other natural disasters Federal regulations ~ more ideas collected throughout project (workshops and open houses)	

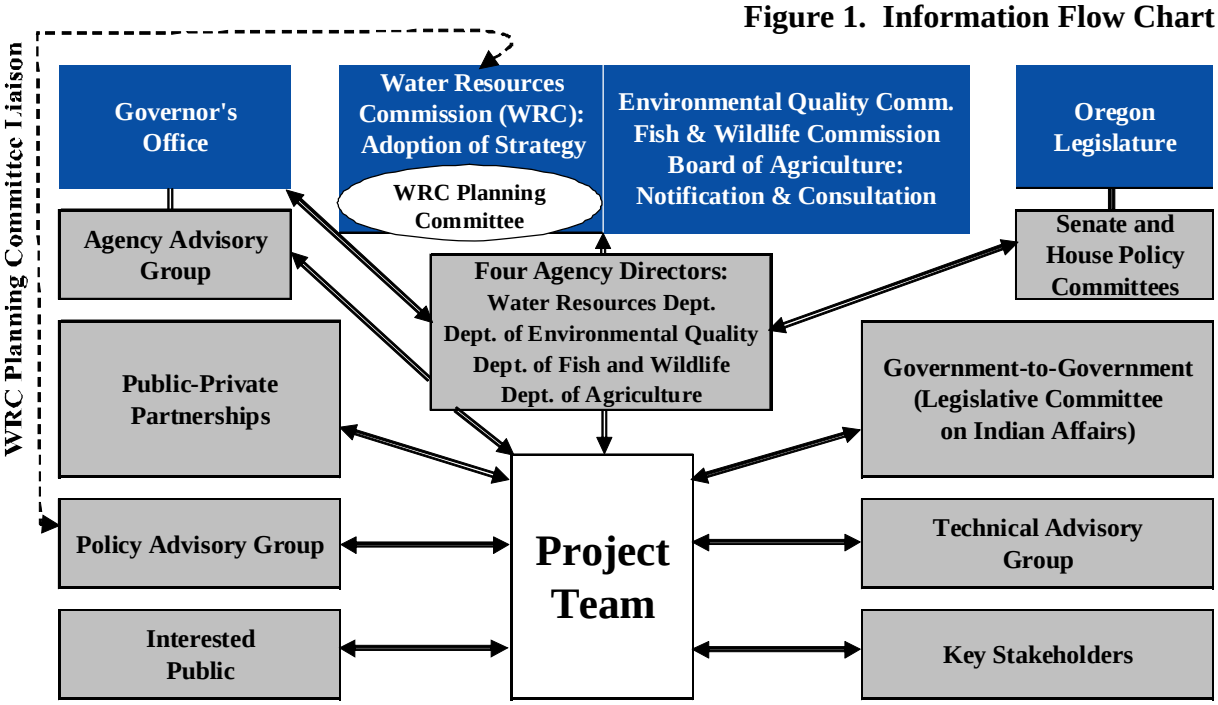
Goal #2: Meet Oregon's water resource needs

Objective #6:	Improve water resource health: Strive for healthy watersheds, forests, estuaries, floodplains, aquifers	Meeting Water Resource Needs
Objective #7:	Improve economic certainty and cultural access: Strive for adequate, clean & reliable water supplies and infrastructure	

C. Roles and Responsibilities

The following chart demonstrates how information will flow and decisions will be made during the development of Oregon's Integrated Water Resources Strategy. All information needing to be documented and part of the IWRS project will pass through the Project Team for distribution. All comments will be posted to the project website and, at any time, interested parties are invited to comment either verbally or in writing to the agencies, their commissions and boards, and the advisory groups.

Figure 1. Information Flow Chart



Project Team. The Project Team, led by the Water Resources Department, will manage the development of the Integrated Water Resources Strategy as directed in HB 3369. The Project Team is comprised of senior staff from four natural resources state agencies:

- Brenda Bateman, Project Manager, Water Resources Department
- Christine Svetkovich, Department of Environmental Quality
- Bruce McIntosh and Rick Kepler, Department of Fish and Wildlife
- Ray Jaindl and Brent Searle, Department of Agriculture
- Alyssa Mucken, Policy Coordinator (from the Water Resources Department)
- Ken Stahr, Science Coordinator (from the Water Resources Department)
- Ryan Vanden Brink, Policy Intern (from the Water Resources Department).

The Project Team meets regularly to prepare materials and agendas for three kinds of advisory groups—the Agency Advisory Group, Policy Advisory Group, and Technical Advisory Group. The Project Team is partnering with stakeholders to host open houses during 2010, and with academic institutions to conduct related research on a variety of fronts.

In addition to developing the website, listserve, briefing materials, and meetings, the Project Team collects and documents recommendations that come from advisory groups, partners,

stakeholders, and other interested parties, and makes recommendations to the Water Resources Commission for discussion and adoption.

Throughout the process, the Project Team will provide project updates to the Governor's office, Oregon Legislature, advisory groups, stakeholders, partners, and the public, as well as four Commissions: the Water Resources Commission, Environmental Quality Commission, Fish and Wildlife Commission, and Board of Agriculture.

Governor's Office and Oregon Legislature: Regular reports to these entities provide formal opportunities to update policymakers and receive policy guidance on the strategy. The Governor's Office, through its Economic Recovery Team (ERT), is helping to facilitate outreach to local governments and Oregon's economic development community. The Oregon Plan for Salmon and Watersheds Core Team is helping to facilitate outreach to federal and state natural resources agencies. Finally, the Environmental Justice Task Force is also helping with outreach and data.

Commissions: HB 3369 requires the Water Resources Commission to notify the Environmental Quality Commission, Fish and Wildlife Commission, and Board of Agriculture before adoption of the Integrated Water Resources Strategy, and notes that the Strategy shall take effect upon adoption by the Water Resources Commission. These Boards and Commissions have been engaged since the early stages of the process and they schedule regular "exchange visits," in which chairs brief other boards and commissions during their regularly scheduled meetings. The Project Team members will continue to provide updates on the Strategy to their commissions and boards, providing an opportunity for commissioners to ask questions and provide guidance. The boards and commissions welcome input from partners, stakeholders, and the public at any time. Appendix G notes meeting dates and venues for each.

In addition, the Water Resources Commission has appointed a Planning Committee to advise the Department during the course of the project. Throughout 2009, the Planning Committee wrote the original background/issue papers used in this project. The Planning Committee is comprised of Commissioners Mary Meloy (Chair), Jeanne LeJeune, and John Roberts, and meets by phone in-between the Commission's quarterly meetings. In addition, the Water Resources Commission Chair has named Mary Meloy as the Commission's liaison to the Policy Advisory Group, a group described in more detail below.

Agency Advisory Group: A group of 15 state agencies representing natural resources and economic development—and the Governor's Office—are assisting with the development of Oregon's Integrated Water Resources Strategy. The group includes directors or their designees from:

- Oregon Water Resources Department
- Oregon Dept. of Environmental Quality
- Oregon Department of Fish and Wildlife
- Oregon Department of Agriculture
- Business Development Department
- Department of Energy
- Department of Forestry
- Dept. of Geology & Mineral Industries
- Department of Housing
- Dept. of Human Services-Drinking Water
- Dept. of Land Conservation & Development
- Parks & Recreation Department

- Department of State Lands
- Department of Transportation
- Watershed Enhancement Board
- The Governor's Office~
  - Economic Revitalization Team
  - Environmental Justice Task Force
  - Oregon Plan for Salmon & Watersheds

The goal of this group is to ensure a balance of technical considerations at each stage of the process. Policy differences will be brought to the Governor's office for facilitation and mediation.

The group held its first meeting on December 23, 2009 and plans to meet on a quarterly basis. This Agency Advisory Group will be providing much of the data, narrative, and analysis that goes into the IWRS issue papers, 2010 open house programs, Policy Advisory Group presentations, and technical and scientific work of the Strategy.

As one example, the Group has been asked to contribute to an "Agency Appendix" attached to the Integrated Water Resources Strategy. This Appendix will lay out the roles and responsibilities of agencies with regard to water resources, noting their statutory authorities, responsibilities, policies and programs, and tools available for decision-making.

Agency officials have also been asked to link to the project webpage, and provide informational briefings to their staff, commissions and boards, and stakeholder communities.

Policy Advisory Group (PAG). The Directors of the Water Resources Department, Department of Environmental Quality, Department of Fish and Wildlife, and Department of Agriculture jointly appointed this group during December 2009. These group members were chosen for their experience in the water arena and their commitment to leadership in this process.

Responsibilities of this group include: receiving updates, providing feedback and recommendations, providing options and opinions for the Project Team and Water Resources Commission to consider, and helping the Project Team identify areas of broad agreement. This is a diverse group of 18 citizen members, with an ability to represent a wide variety of Oregon interests and geography. They are:

Glenn Barrett
Rancher, Barrett Livestock, Bonanza, Oregon

Mike Campbell
Member, Stoel Rives LLP Attorneys at Law

Jay Chamberlin /Anita Winkler
District Manager, Owhyee Irrigation District;
Exec. Dir., Oregon Water Resources Congress

John DeVoe
Executive Director, WaterWatch of Oregon

Dennis Doherty
County Commissioner**,** Umatilla County

Bill Gaffi
General Manager, Clean Water Services

Patrick Griffiths
Water Resources Coordinator**,** City of Bend

Todd Heidgerken
Manager, Community & Intergov. Relations
Tualatin Valley Water District

Tod Heisler
Executive Director,
Deschutes River Conservancy

Teresa Huntsinger
Program Director, Clean & Healthy Rivers
Oregon Environmental Council

Tracey Liskey
Co-Owner**,** Liskey Farms,
Klamath Falls, Oregon

Peggy Lynch
Natural Resources Coordinator
League of Women Voters of Oregon

Janet Neuman
Water Law Professor
Lewis & Clark Law School

Eric Quaempts
Director, Department of Natural Resources
Confederated Tribes of the
Umatilla Indian Reservation

Mike Seppa
Retired Dairy Farmer, Seppa Dairy Co.
Astoria, Oregon

Lorna Stickel
Water Resources Planning Manager
Portland Water Bureau
& Regional Water Providers Consortium

Richard Wells
Vice President and General Manager
Monrovia Growers – Oregon

Joe Whitworth
Executive Director, The Freshwater Trust

See Appendix B for a list of Policy Advisory Group meeting themes, venues, and dates through 2012. See Appendix C for a draft copy of the Policy Advisory Group Charter and Appendix D for a copy of the PAG's Proposed Decision-Making Processes and Meeting Protocols.

Technical Advisory Group (TAG): The Directors of the Water Resources Department, Department of Environmental Quality, Department of Fish and Wildlife, and Department of Agriculture will jointly appoint these members, including scientists and technical experts from local, state, and federal agencies, and private and non-profit sectors. The Technical Advisory Group will be convened as needed to address specific scientific, funding, or other technical issues that arise during the course of the process. The TAG will use formal techniques, such as holding workshops of white papers or conducting literature reviews, to ensure that relevant and up-to-date information is brought into each group for review and consideration. See Phase II discussion below for more detail about the issues the TAG plans to address first.

Government-to-Government Relations: The Legislative Committee on Indian Affairs assists the nine federally recognized tribes of Oregon in their partnerships with the State of Oregon. On November 19, 2009, the Legislative Committee on Indian Affairs hosted a Government-to-Government State-Tribal Water Forum in which eight of the Tribes described their history, perspective, cultural values, and use of water resources. These perspectives were audio recorded and will become part of the project's documentation. The State, through its many natural resource agencies, already has a number of projects and programs with the Tribes and hopes, as part of the Integrated Water Resources Strategy, to identify additional partnership opportunities.

Key Stakeholders and the Interested Public: The Project Team has developed a public involvement plan that describes the opportunities for stakeholders and public to get and receive

information from the Project Team, advisory groups, and boards and commissions. These opportunities range from face-to-face interactions (public meetings, open houses, and regularly scheduled stakeholder meetings) to print media (newspapers, newsletters, and fliers) and electronic communications (the project website, listserve, and email). The Project Team appreciates any additional assistance stakeholders can provide, serving as a communication link to their members and colleagues. See Appendix E for further details about public involvement opportunities and Appendix G for a meetings calendar.

Public-Private Partnerships. There are ample opportunities for public-private partnerships as part of this project.

Academic Studies. Already, the Political Science Department at Oregon State University, together with Oregon Sea Grant, OSU Extension, and the Institute for Water and Watersheds at OSU, have partnered with the IWRS Project Team to support the Strategy in a number of ways.

For example, Professor Brent Steele, Director of OSU's Political Science Department, conducts an annual survey of Oregonians, to gauge their knowledge and perspective in different public policy issues. This academic year, his topic is "water resources," and he will be spearheading an effort to survey the general public throughout the state, and gather baseline data about their opinions. His methodology will closely mirror other recent OSU studies, asking Oregonians where they go for information, how to communicate with them most easily, and then how they feel about various water resource issues.

The Political Science program also has a number of graduate students who will conduct interviews of Oregon's elected officials, including legislators, mayors, and county commissioners. The questions will attempt to document what elected officials think about the future of Oregon's water resources, including possible challenges and opportunities that lay ahead.

This partnership may also include a comparative study of states and their water planning efforts. These studies will help determine which components of state plans have actually been supported, funded, and implemented in a practical way.

Facilitation. In addition, the Oregon Cascades West Council of Governments has provided the facilitation services of its Executive Director, Cynthia Solie, under an intergovernmental agreement. Ms. Solie will serve as facilitator and chair for the Policy Advisory Group meetings.

Process Assistance. A number of public and private sector experts have also provided invaluable pro bono advice with regard to process design and public involvement. They include Bill Ross and Associates, CH2M Hill, the City of Portland's Rivers Office and the Water Bureau, Cogan Owens Cogan, HDR Engineering, Integrated Water Solutions LLC, and Portland State University / Oregon Solutions.

The Project Team welcomes partnerships with other academic, volunteer, and professional organizations to further the work under this strategy.

D. Project Timeline: Phases I - V

The Phases described below are also represented graphically in the Process Overview found in Appendix F.

Phase I: Setting the Stage. This Phase, which extended through December 2009, included fundamental activities that the Project Team will continue to build upon. These activities are described below.

1.1 Develop Problem Statement. During Phase I, the Project Team, with help from Water Resource Commissioners, partners, and stakeholders, developed a set of issue papers to convey the urgency of planning for the future. These papers cover several topics from an Oregon perspective, describing the lost opportunities we may face if we do not act today, and the benefits we may see if we do act right away. They are, in essence, the "problem statement."

The first paper, "The Need for an Integrated Water Resources Strategy," was presented during the Water Resources Commission's June 2009 meeting, and the remaining papers were presented during the Commission's September and November 2009 meetings. Stakeholders have an opportunity to review and comment on these draft papers throughout the project, either electronically, in hard copy, or during the verbal public comment period during Commission meetings. These issue papers and their related public comments will also be presented to members of the Advisory Groups for their use in discussion. The topics of these papers grew out of the themes identified during the 2008 Water Roundtables hosted by Oregon State University and Oregon Sea Grant and include:

- water quantity
- water quality
- ecological needs
- economic needs
- social/cultural needs, and
- implications of climate change.

1.2 Design Overall Process. This document is a preliminary workplan, which includes a description of the statutory foundation, definitions, roles and responsibilities, project timeline, public involvement plan, process overview, meeting calendar, and sample table of contents for Oregon's Integrated Water Resources Strategy. The Water Resources Commission first reviewed and commented on this document during its September 10, 2009 meeting, and the Project Team made this document available to partners, key stakeholders, and the public for review and comment at the same time. Like the issue papers, this document is available for public comment throughout the project.

The Project Team worked with partners and stakeholders during 2009 to design a public involvement plan that maximizes opportunities to disseminate information, receive public comment, and involve stakeholders in the shaping the strategy. The public involvement plan includes outreach through face-to-face meetings, print media, and electronic means. During

Phase I, the Project Team created a project website, listserve, and email account for project use. Again, the full Public Involvement Plan is included as Appendix E of this document.

During January 2009 meetings and survey with key stakeholder groups, several organizations invited the Department to meet with their board and members during regularly scheduled events, to provide informational updates and conduct workshops related to the Integrated Water Resources Strategy. The Department has developed a meeting calendar for 2009-2010, hoping to reach many areas of the state as efficiently and frequently as possible. This calendar includes advisory group meetings, whose agendas and accompanying materials will also be available on the project website. See Appendix G for a calendar of past and future events, including advisory group meetings and board and commission meetings.

1.3 Develop Institutional Capacity and Organizational Structure. As part of House Bill 3369 (2009), the Oregon Legislature authorized funding for two positions to help develop this strategy, a scientific coordinator and a policy coordinator. The Water Resources Department has filled both positions internally with two well-qualified staff members. In addition, a volunteer policy intern is helping the Project Team identify additional grant funding for this project.

Further, agency directors have appointed senior staff to a Project Team and Agency Advisory Group. They have also appointed 18 members of Policy Advisory Group. Finally, the Oregon Cascades West Council of Governments has provide a facilitator to assist the Policy Advisory Group with its meeting discussions.

Phase II: Identifying Water Resource Needs. This phase will run from January through August 2010 and will focus on a series of open houses, advisory group meetings, and workshops with stakeholder organizations.

2.1 Address Public Comment (Issue Papers and Workplan). The Project Team will review public comments received on the draft issue papers and preliminary workplan and will address comments in the subsequent versions of these documents. The Project Team will bring areas of contention to the WRC Planning Committee and Policy Advisory Group for further discussion and direction. As a follow-up to the initial round of issue papers and public comments, the Project team will meet face-to-face with the public in 2010 for further discussions of water resource issues.

2.2 Identify Water Resource Needs; Begin to Identify "Recommended Actions." During 2010 - 2011, project participants will begin to develop recommended actions that will help Oregon better understand and meet its water resource needs. This work will take place through continued work in open houses, Advisory Group meetings, and stakeholder workshops.

The Framework (Lens) through which work will be organized and presented includes the following:

- Information and Data
- Planning (a look at current efforts)

- Public Policy
- Statute and Rule
- Funding
- Outreach and Education

Recommended actions could include specific solutions that fit into the above framework, such as the following (these examples are illustrative, not comprehensive nor agreed upon):

- Aquifer Storage and Recovery/ Artificial Recharge information & data made accessible to local communities
- Fitting water re-use into state-wide and local planning efforts
- Reservoir storage planning
- A statewide water conservation policy
- Mitigation regulations
- Funding for new water and wastewater treatment technologies and infrastructure
- Funding in the form of loans and grants to communities
- Educational materials about non-structural solutions (e.g., wetlands and floodplain management)

See Appendix H for a sample table of contents from the Integrated Water Resources Strategy. The table of contents demonstrates how organizing the IWRS around the framework above can produce recommended actions that are specific and implementable. The following events describe how the Project Team plans to use input gathered from partners, stakeholders, and the public.

2.2.1. Agency Advisory Group Meetings. Agency Advisory Group meetings will serve as a venue to develop presentations and draft recommendations that fit within the framework outlined above. Agencies will serve as a valuable source of input, identifying water-related conflicts and gaps in the areas of: information/data, planning, public policy, regulation, funding, and outreach/education. Agency representatives will help the project team develop case studies and draft recommendations to be presented to the Policy Advisory Group for further discussion.

2.2.2. Policy Advisory Group Meetings. Phase II, the Policy Advisory Group will hear presentations focused on gaps and conflicts in information/data, planning, public policy, regulation, funding, and outreach/education, and will begin to shape potential recommendations in each of these issue areas. The Policy Advisory will also see examples of potential recommended actions, where they have been successfully implemented in local communities. The Policy Advisory Group will be asked to help evaluate potential recommended actions based on their relative cost, ease of implementation, and overall effectiveness, so that the recommended actions can be prioritized in the final Strategy.

2.2.3. Open Houses. The Project Team, together with agency field staff and local sponsors, will host evening open houses throughout the state during Spring 2010. The events will serve three purposes. First, the Project Team will disseminate information about the state-wide strategy and ensure that interested members of the public, elected officials and other attendees have information about the project, the timeline, and opportunities to participate. Second, the Project Team will vet what it

has heard already, in terms of (a) understanding water resource needs, and (b) the potential menu of recommended actions for meeting Oregon's water resource needs. Third, the Project Team plans to showcase successful examples of potential recommended actions that exist in Oregon communities today.

The Project Team will advertise these Open Houses through local newspapers, community fliers, field offices, local radio stations, stakeholder networks, and websites. See the Public Involvement Plan in Appendix E for venues and dates scheduled thus far.

2.2.4. Technical Advisory Group Meetings. During Phase II, the Technical Advisory Group will convene to oversee technical work on a number of topics, including instream needs and rights, peak and ecological flows, basin yield, and climate change monitoring and adaptation. The Technical Advisory Group may also address data questions related to population growth and land-use data. This Group will assist the Project Team with methodology development and will serve as a source of peer review.

a. Instream Needs and Water Rights. There are three state agencies—the Oregon Department of Fish and Wildlife, Department of Environmental Quality, and Parks and Recreation Department—who have authority to apply for instream water rights. The Water Resources Department then holds these rights in trust. Since the passage of Oregon's 1987 Instream Water Rights Act, the Water Resources Department has issued about 900 state agency-applied instream water rights. Still, many streams and reaches in Oregon have no formal instream water rights on them, and about 70 instream water right applications are on hold, as the subject of protests. During 2010, an interagency work group will review the status of instream water rights to determine and prioritize areas for further work where instream needs are unmet or partially met.

b. Peak and Ecological Flows. HB 3369 requires the Department to organize its thinking and approach regarding "peak and ecological flows," with the requirement to start protecting such flows in 2012, whenever awarding grants or loans for the implementation of water resource projects. Although the Water Resources Department and Department of Fish and Wildlife currently have guidance available with regard to <u>peak</u> flows, there is nothing formal set forth in rule or statute. There is no documentation at all with regard to <u>ecological</u> flows.

This effort will likely involve documentation (a literature review) of these issues and how they are addressed in other states. Further work will require the development of a scientific methodology for addressing both peak and ecological flows. The Independent Multidisciplinary Science Team has agreed to partner with the project team, hosting the conversation and identifying public and private sector scientists to participate.

At the conclusion of the scientific work, the Project Team plans to convene a Rules

Advisory Committee, comprised of stakeholders, decision-makers, and scientists, to formulate rules that govern grant and loan awards by 2012.

c. **Basin Yield Analyses.** The Water Resources Department has conducted water availability studies to determine stream flows in more than 2,000 watersheds, but has not conducted detailed Basin Yield Analyses to estimate the volume of water that a watershed can produce in a given period. Although some of the necessary stream flow data exists in-house, no staff resources have been available to produce the analysis required to determine basin yield.

   This analysis is a multi-year effort, updated thereafter with additional data layers, such as climate change information, as they become available. The information generated by a basin yield analysis will provide baseline information the state needs to track the effects of climate change, the monthly availability of water, and flows for fish and environmental needs.

d. **Climate Change Adaptation**. The Department is interested downscaling climate change data from the U.S. and state scale to more specific basins within Oregon, in order to better understand the effects of climate change on snowpack and rainfall. For these efforts, the Department will be consulting with the Oregon Climate Change Research Institute at Oregon State University. In addition, Project Team members are developing a pilot project to better understand the potential effects of climate change on current holders of water rights in Oregon.

2.3 Identifying Potential Grant Opportunities. During the course of the project, the Project Team will have an opportunity to apply for federal and other grants, in order to help with communications and outreach, development of recommended actions, and other project expenses. Many of these grants require matching funds, letters of recommendation, and project timelines of one to two years. More information will be provided as it becomes available.

Phase III: Developing Recommended Actions. During Phase III, the Water Resources Department, Department of Environmental Quality, Department of Fish and Wildlife, and Department of Agriculture will provide a progress report to the 76th Legislative Assembly.

In addition, the advisory groups will continue the work begun above, systematically identifying conflicts and gaps in water-related information/data, planning efforts, public policy, regulation, funding, and outreach/education. The advisory groups and Project Team will begin to prioritize recommended actions in each of these areas, identifying potential obstacles, and drafting an initial Strategy for public review and comment.

The Project Team plans a second round of open houses during Fall 2011, to vet these recommended actions with Oregon communities and showcase additional water resource successes in local communities.

Phase IV: Producing Oregon's First Integrated Water Resources Strategy. Phase IV focuses on preparing, adopting and submitting Oregon's first Integrated Water Resources Strategy during 2012. During Phase IV, the Project Team will focus on addressing public comment, solicited during Open Houses and stakeholder meetings. The Advisory Groups will have an opportunity to review and suggest revisions to the IWRS.

In 2012, the Project Team will first take the strategy to the Water Resources Commission for notification of other Boards and Commissions, followed by review and adoption by the WRC, with distribution of the final Strategy to the Oregon Legislature prior to the 2013 Legislative Session.

Phase V: Project Review. This is an iterative process and successfully meeting Oregon's water resource needs will mean constantly asking "what if" questions and preparing to adapt to changing circumstances and environments. Upon adoption of Oregon's first Integrated Water Resources Strategy, the Project Team will embark on a process to evaluate the process, identifying both the lessons learned and improvements needed for the next iteration.

During Phase V, the Project Team will also have an opportunity to present recommended actions, and legislative and budget requests to the 77th Legislative Assembly in 2013 for implementation. Agencies and partners may also have opportunities during this phase to measure the implementation and effectiveness of the recommended actions contained in the Strategy.

Appendix A: Statutory Authority

75th OREGON LEGISLATIVE ASSEMBLY--2009 Regular Session

Enrolled
House Bill 3369

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

CHAPTER .....

AN ACT

Relating to water supply management; creating new provisions; amending ORS 536.220, 541.700, 541.705, 541.710, 541.720, 541.730, 541.740, 541.765, 541.770, 541.785, 541.830, 541.845 and 541.850; repealing ORS 541.755; appropriating money; and declaring an emergency.

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 alter 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 supplies; 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 stronger 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 watersheds; and

Whereas it is desirable that the Water Resources Department and the Water Resources Commission have greater authority to issue loans 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 water supply to meet Oregon's current and future water needs; 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 dollars; and

Whereas all water within Oregon belongs to the public pursuant to law; now, therefore,

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

[editor's note: Sections 1 through 43 do not refer to the IWRS and are not included here]

INTEGRATED WATER RESOURCES STRATEGY

SECTION 44. ORS 536.220 is amended to read:

536.220. (1) The Legislative Assembly recognizes and declares that:

(a) The maintenance of the present level of the economic and general welfare of the people of this state and the future growth and development of this state for the increased economic and general welfare of the people thereof are in large part dependent upon a proper utilization and control of the water resources of this state, and such use and control is therefore a matter of greatest concern and highest priority.

(b) A proper utilization and control of the water resources of this state can be achieved only through a coordinated, integrated state water resources policy, through plans and programs for the development of such water resources and through other activities designed to encourage, promote and secure the maximum beneficial use and control of such water resources, all carried out by a single state agency.

(c) The economic and general welfare of the people of this state have been seriously impaired and are in danger of further impairment by the exercise of some single-purpose power or influence over the water resources of this state or portions thereof by each of a large number of public authorities, and by an equally large number of legislative declarations by statute of single-purpose policies with regard to such water resources, resulting in friction and duplication of activity among such public authorities, in confusion as to what is primary and what is secondary beneficial use or control of such water resources and in a consequent failure to utilize and control such water resources for multiple purposes for the maximum beneficial use and control possible and necessary.

(2) The Legislative Assembly, therefore, finds that:

(a) It is in the interest of the public welfare that a coordinated, integrated state water resources policy be formulated and means provided for its enforcement, that plans and programs for the development and enlargement of the water resources of this state be devised and promoted and that other activities designed to encourage, promote and secure the maximum beneficial use and control of such water resources and the development of additional water supplies be carried out by a single state agency which, in carrying out its functions, shall give proper and adequate consideration to the multiple aspects of the beneficial use and control of such water resources with an impartiality of interest except that designed to best protect and promote the public welfare generally.

(b) The state water resources policy shall be consistent with the goal set forth in ORS 468B.155.

(3)(a) The Water Resources Department shall develop an integrated state water resources strategy to implement the state water resources policy specified in subsection (2) of this section. The department shall design the strategy to meet Oregon's in-stream and out-of-stream water needs.

(b) The Water Resources Department shall work in close cooperation with the Department of Environmental Quality and the State Department of Fish and Wildlife to develop the integrated state water resources strategy in consultation with other state, local and federal agencies, with other states, with Indian tribes, with stakeholders and with the public.

(c) The Water Resources Department, in close cooperation with the Department of Environmental Quality and the State Department of Fish and Wildlife, shall develop data on an ongoing basis to forecast Oregon's in-stream and out-of-stream water needs, including but not limited to in-stream, underground water, human consumption and water supply needs, for the purpose of developing and updating the integrated state water resources strategy.

(d) The integrated water resources strategy shall describe the following:

(A) Oregon's in-stream and out-of-stream water needs, including but not limited to ecosystem services, water quality and water supply needs.

(B) Objectives of the strategy.

(C) Actions that are designed to achieve the objectives of the strategy.

(D) Plans related to the challenges presented by climate change.

(E) Provisions to ensure communication and partnership with key stakeholders.

(F) Specific functions and roles to be played by state agencies, including but not limited to the State Department of Agriculture, the State Forestry Department, the Department of Human Services, the Economic and Community Development Department, the Department of Land Conservation and Development, the Oregon Watershed Enhancement Board, the State Parks and Recreation Department, the Department of State Lands and other relevant state agencies.

(G) Public policy options and recommendations.

(H) Relevant strategy factors, including but not limited to population growth and land use change.

(I) Recommendations of the Water Resources Department regarding the continuous monitoring of climate change effects on Oregon's water supply and regarding water user actions that are necessary to address climate change.

(e)(A) The Water Resources Commission shall give the Environmental Quality Commission, the State Department of Agriculture and the State Department of Fish and Wildlife notice of the integrated state water resources strategy prior to adoption of the strategy. The strategy shall take effect upon adoption by the Water Resources Commission.

(B) The Water Resources Commission shall review and update the integrated state water resources strategy every five years. The Water Resources Commission shall give notice to the Environmental Quality Commission, the State Department of Agriculture and the State Department of Fish and Wildlife prior to adopting any revisions of the strategy. Revisions of the strategy shall take effect upon the Water Resources Commission's adoption of the revised strategy by reference in rule.

(4) This section does not limit the authority granted the Environmental Quality Commission or the Department of Environmental Quality under ORS chapter 468B.

SECTION 45. (1) The Water Resources Department shall, working in close cooperation with the Department of Environmental Quality, the State Department of Agriculture and the State Department of Fish and Wildlife, submit a report by February 1, 2011, to the Seventy-sixth Legislative Assembly, in the manner provided in ORS 192.245, detailing benchmarks and progress toward the development of the integrated state water resources strategy. The report must include a discussion of whether the Water Resources Department expects to complete development of the strategy by December 31, 2012.

(2) As part of the report specified in subsection (1) of this section, the Water Resources Department, working in close cooperation with the Department of Environmental Quality, the State Department of Fish and Wildlife and other state agencies, may identify legislative amendments and submit budget recommendations, including but not limited to requests for a long-term, dedicated funding source to implement the integrated state water resources strategy.

Appendix B: Themes, Venues, and Timeline for the Policy Advisory Group

Meeting 1: Organizational Meeting (January 19, 2010 @ ODFW)

- Project overview
- Housekeeping (PAG charter and proposed protocols)
- Discussion of project details

Meeting 2: Meeting IWRS Objectives through Information and Data (April 14, 2010 @ ODFW)

- Review the preliminary issue papers and public comments
- What do we know about water needs and water resources/supplies today?
- What do we know about coming pressures?
- What more do we need to know? (Gap Analysis)
- What research options could help close the gap?
- PAG recommended actions

Meeting 3: Meeting IWRS Objectives through Planning (July 29, 2010 @ ODFW)

- Review current and related local, state, federal planning efforts
- How does this Strategy fit in / What role does it play in the broader picture?
- Are there obvious planning gaps to address? (Gap Analysis)
- What planning options could help close the gap?
- PAG recommended actions

Meeting 4: Meeting IWRS Objectives through Policy (October 6, 2010 @ ODFW)

- What water resource policies are in place today at the local, state, and federal level?
- Does Oregon have policies that are outdated, in conflict with each other, or missing?
- What policy options could help close the gap?
- PAG recommended actions
- **Review Progress Report to 2011 Oregon Legislature**

Meeting 5: Meeting IWRS Objectives through Statute and Rule (January 2011 @ ODFW)

- What is the status of Oregon's water resources regulatory statutes and rules today?
- Which ones are outdated, in conflict with each other, or missing altogether?
- Where do statutes or rules stand as obstacles to potential water resource solutions?
- What regulatory options would help close the gap?
- PAG recommended actions

Meeting 6: Meeting IWRS Objectives through Funding (Date TBD @ ODFW)

- What is the status of funding Oregon's water resources agencies and partners today?
- What funding would we need in order to meet the above recommended actions?
- What options do we have for short-, medium- and long-term funding to close the gap?
- PAG recommended actions

Meeting 7: Review of the IWRS (Date TBD @ ODFW)

- Review draft IWRS, particularly recommended actions

Meeting 8: Finalizing the IWRS (Date TBD @ ODFW)

- Finalize work on IWRS Chapters
- Project evaluation

Appendix C

Oregon's Integrated Water Resources Strategy (IWRS)
[DRAFT] Policy Advisory Group Charter

I. Purpose of the Project

To better understand and meet the water resource needs of our state now and in the future, the Oregon Legislature has directed the state of Oregon, through HB 3369, to develop Oregon's first Integrated Water Resources Strategy. This effort will address water quantity and water quality, instream and out-of-stream, above- and below-ground needs and uses.

II. Role of the Policy Advisory Group

The Policy Advisory Group (PAG) will provide feedback and recommendations to agency staff with regard to the Integrated Water Resources Strategy's action agenda for the next five years. The PAG will be presented with information and options to consider and will be asked to help identify areas of broad agreement. The majority of the work will occur during scheduled quarterly meetings in Salem. Additional tasks may include some light reading before meetings and sub-committee work, if needed. Work of the Policy Advisory Group will help ensure that the Integrated Water Resources Strategy is prepared and ready for adoption by the Water Resources Commission in 2012.

The Policy Advisory Group will work closely with the IWRS Project Team to ensure that the PAG's recommendations are shared with other advisory groups, the Water Resources Commission, Environmental Quality Commission, Fish and Wildlife Commission, Board of Agriculture, and other interested parties. Likewise, communication, recommendations, and other information from these groups shall be communicated to the Policy Advisory Group through the Project Team.

III. Policy Advisory Group Members

The individuals appointed to the Policy Advisory Group represent a wide range of interests, expertise and diverse statewide perspectives. Their experience in the water arena and commitment to leadership are keys to the success of this process.

The following are appointed members of the Policy Advisory Group:

1. Glenn Barrett, Klamath County Cattlemen's Association / Curtis Martin, OR Cattlemen
2. Mike Campbell, Stoel Rives LLP Attorneys at Law
3. Jay Chamberlin, Owyhee Irrigation District / Anita Winkler, OR. Water Resources Congress
4. John DeVoe, WaterWatch of Oregon
5. Dennis Doherty, Umatilla County
6. Bill Gaffi, Clean Water Services
7. Patrick Griffiths, City of Bend
8. Todd Heidgerken, Tualatin Valley Water District

9. Tod Heisler, Deschutes River Conservancy
10. Teresa Huntsinger, Oregon Environmental Council
11. Tracey Liskey, Liskey Farms
12. Peggy Lynch, League of Women Voters of Oregon
13. Janet Neuman, Lewis & Clark Law School / Tonkon Torp LLP
14. Eric Quaempts, Confederated Tribes of the Umatilla Indian Reservation
15. Mike Seppa, Clatsop County Soil and Water Conservation District
16. Lorna Stickel, Portland Water Bureau / Regional Water Providers Consortium
17. Richard Wells, Monrovia Nursery
18. Joe Whitworth, The Freshwater Trust

IV. The Role of the Facilitator

A. The facilitator, Cynthia Solie, will provide neutral facilitation and support services to the Policy Advisory Group, serving as chair during each Policy Advisory Group meeting. The facilitator works on behalf of all Policy Advisory Group members and will assist the members to work in a way that fosters effective and efficient working relationships and the development of consensus.

B. The facilitator will be responsible for helping ensure that the process runs smoothly, developing meeting agendas in consultation with the Project Team and Policy Advisory Group members, facilitating meetings, and working with the Project Team to prepare and distribute meeting reports. The facilitator may also work with Policy Advisory Group members to help them resolve differences.

C. The facilitator will maintain confidentiality of any individual spoken communications with participants unless authorized otherwise.

D. The facilitator will not act as a spokesperson for any party and will refer all media inquiries to the spokesperson for the relevant party.

V. The Role of the Project Team

The Project Team, comprised of senior staff from the Water Resources Department, Department of Environmental Quality, Department of Fish and Wildlife, and Department of Agriculture, is responsible for preparing materials and meeting agendas, in consultation with the facilitator and Project Advisory Group. The Project Team will take notes during each meeting, preparing a report that all members have an opportunity to review, before it is finalized and posted online.

The Project Team is responsible for communications related to this project, including posting logistical information on the project website, disseminating meeting reports and incorporating member comments, and briefing agency directors, staff, boards and commissions, stakeholders and partners. The Team will ensure that recommendations between Advisory Groups are formally documented and disseminated. The Team may also be called upon to present informational reports during Policy Advisory Group meetings.

Appendix D

[DRAFT] Policy Advisory Group
Proposed Decision-Making Process and Meeting Protocols

Proposed Decision-Making Process

A. The Policy Advisory Group agrees that consensus has a high value and that the Group should strive to achieve it. When possible, decisions on Policy Advisory Group recommendations will be made by consensus of all present participating members. Consensus means the willingness to go along with recommendations, either in active support of it or in not opposing it.

B. The commitment to work for consensus means that members will participate in the give and take of the process in a way that seeks to understand the interests of all and will work together to find solutions workable for all.

C. If no consensus is reached on an issue, a simple majority of the Policy Advisory Group can forward recommendations to the Directors of the Water Resources Department, Department of Environmental Quality, Department of Fish and Wildlife, Department of Agriculture, the Water Resources Commission, and on-line community. The various views on the issue will be forwarded to the Directors.

D. Agreements made on parts of recommendations will be considered tentative until the full recommendation is put together.

E. While consultation and information sharing with employers and affiliate organizations is welcome and valuable, individual Policy Advisory Group members function as citizen members and do not speak for nor formally represent their employers or membership associations.

F. The Project Team and facilitator will draft meeting reports that outline the issues discussed, the areas in which there is consensus, and any remaining issues on which consensus was not reached. Members will have the opportunity to review, make corrections, and then sign-off on the meeting report.

G. The Oregon Water Resources Department will be responsible for writing the final Integrated Water Resources Strategy.

Proposed Meeting Protocol

A. All meetings of the Policy Advisory Group will be open to public attendance.

B. At the close of each meeting, the facilitator may allow time for public comment, taking into consideration the length of the agenda and the opportunity for Policy Advisory Group members to speak on all issues.

C. Members will treat each other with respect throughout the process. They will listen to each other to seek to understand each other's perspective, even if they disagree. One person will speak at a time. Members will participate fully in letting the group know their perspective on issues, their concerns, and their differing points of view. At the same time, members will respect time constraints and will share the speaking time with others.

D. All members act in good faith in all aspects of these discussions. This includes being honest and refraining from undertaking any actions that will undermine or threaten this process.

E. Members shall make every effort to bring all aspects of their concerns about these issues into this process to be addressed. Members shall refrain from generating controversy in the press and from publicly criticizing or misstating the positions taken by any other participants during the process.

F. All Policy Advisory Group members agree to maintain the respectful tone of the meetings outside the formal meetings, including all email correspondence. Any reporting to constituents, the media, or other parties will focus on issues and not individuals.
   a. Members are reminded that all e-mail messages should be considered public documents.
   b. E-mails meant for the entire group will be distributed via the Project Team.

G. All participation in this process is voluntary and may be withdrawn. However, members agree that before withdrawing they will discuss the reason for their withdrawal with the facilitator and the other members and will give the Project Team the opportunity to understand the reasons for withdrawal and to encourage continued participation, if appropriate.

Public Involvement Plan

Oregon's Integrated Water Resources Strategy

Foundation
HB 3369 (2009)

Adopting Commission
Water Resources Commission

Consulting Commissions
Environmental Quality Commission
Fish and Wildlife Commission
Board of Agriculture

Lead Agencies
Water Resources Department
Department of Environmental Quality
Department of Fish and Wildlife
Department of Agriculture

Project Team
Brenda Bateman, Project Manager
Christine Svetkovich, DEQ
Bruce McIntosh & Rick Kepler, ODFW
Ray Jaindl & Brent Searle, ODA
Alyssa Mucken, Policy Coordinator
Ken Stahr, Science Coordinator
Ryan Vanden Brink, Policy Intern

Policy Advisory Group
Glenn Barrett/Curtis Martin
Mike Campbell
Jay Chamberlin/Anita Winkler
John DeVoe
Dennis Doherty
Bill Gaffi
Patrick Griffiths
Todd Heidgerken
Tod Heisler
Teresa Huntsinger
Tracey Liskey
Peggy Lynch
Janet Neuman
Eric Quaempts
Mike Seppa
Lorna Stickel
Richard Wells
Joe Whitworth

Policy Advisory Group Schedule
January 19, 2010
April 14, 2010
July 29, 2010
October 6, 2010
(9:00 am – 5:00 pm @ ODFW, Salem)

Agency Advisory Group
Water Resources Department
Department of Environmental Quality
Department of Fish and Wildlife
Department of Agriculture
Business Development Department
Department of Energy
Department of Forestry
Geology & Mineral Industries
Department of Housing
Human Services - Drinking Water
Land Conservation/Development
Parks & Recreation Department
Department of State Lands
Department of Transportation
Watershed Enhancement Board
Governor's Office ~
- Economic Revitalization Team
- Environmental Justice Task Force
- Oregon Plan – Core Team

Overview

As we work to develop an integrated water resources strategy for Oregon, we recognize the value of engaging and communicating with the public as early and as often as possible in the process. With valuable input from partners, stakeholders, the public, and advisory groups, the Project Team has developed a public involvement plan to guide our activities during the next few years. Using this Public Involvement Plan, we hope to reach key stakeholder groups as well as interested members of the public. Each of the following interactions will likely shed light on other potential methods and audiences. We appreciate any ideas or suggestions you may have to help us reach a wider audience.

Key Messages

- The purpose of Oregon's Integrated Water Resources Strategy is to develop a blueprint for how Oregon's water resource needs will be met now and in the future.
- An integrated strategy will address water quantity, water quality, and ecological needs.
- The Water Resources Commission has ultimate responsibility for adopting the Strategy.
- The Strategy may contain policy, legislative, and budget recommendations to the Oregon Legislature.
- Partnerships with and among Oregon communities will be critical to meet Oregon's future water needs.

Communication Challenges

- Water is of universal concern; outreach to <u>all</u> interested parties in Oregon will be a challenge.
- Water users and advocates worry that recommendations might benefit one group at the expense of another.
- Oregon is generally regarded as a "wet" state. However, communities face water scarcity today, depending on location, time of year, water source, and beneficial uses. Conveying the seriousness of water conditions today and into the future will be a challenge.
- Looming pressures on our water resources, including population growth and climate change, are not yet "real" in the personal lives of many Oregonians. Planning for these abstract concepts presents a challenge.
- The state of Oregon historically has not invested much funding in water resource management, programs, or infrastructure. A successful strategy, involving scientific work, public outreach, and implementation, may necessitate greater financial investment.

Specific Activities and Communication Methods

Avenues to communicate will include both electronic means and face-to-face interaction. We recognize the value of keeping the public informed and also the importance of allowing ample opportunities for engagement and dialogue. The following activities and methods will allow us to involve the public, key stakeholders, and other interested parties.

Updated 2-08-10. Dates and venues subject to change.
Check website for current information.

2010 Open House Schedule
Gresham – March 31
Ontario – April 7
Umatilla – April 8
Bandon – April 22
Tillamook – April 28
Medford – May 11
Klamath Falls – May 12
Redmond – May 13
Salem – June 8
Eugene – TBD

Key Stakeholders
American Planning Association – Oregon Chapter
American Water Resources Association – Oregon Section
Associated Oregon Industries
Association of Oregon Counties
Beef Northwest
Benton-Linn-Lane Water Resources Study Group
Central Oregon Cities Organization
Deschutes Water Alliance
Lane County Realtors
League of Oregon Cities
League of Women Voters/Oregon
Network of OR Watershed Councils
NW Coastal Water Supply Task Force
OR Assn of Clean Water Agencies
OR Assn of Conservation Districts
Oregon Association of Nurseries
Oregon Association of Realtors
Oregon Assn of Water Utilities
Oregon Business Council
Oregon Cattlemen's Association
Oregon Environmental Council
Oregon Farm Bureau
Oregon Homebuilders Association
Oregon Water Resources Congress
Oregon Water Utilities Council
Regional Water Providers Consortium
Special Districts Assn of Oregon
State Grange
The Freshwater Trust
The Nature Conservancy
Umatilla Basin Water Coalition
Water for Life
WaterWatch of Oregon

Key Partners
Federal Agencies
Independent Multidisciplinary Science Team (IMST)
Oregon State University
Oregon Governor's Office
Oregon Legislature
Oregon Cascades West Council of Governments
9 Federally Recognized Tribes

725 Summer St., Suite A
Salem, Oregon 97301
503-986-0911
waterstrategy@state.or.us

Face-to-Face Involvement, through:

- **Open Houses.** The Project Team, together with agency field staff and local sponsors, will host a series of evening open houses throughout the state, serving three purposes. First, the Team will disseminate information about the state-wide strategy. Second, the team will vet what it has heard already, in terms of water resource needs and recommended actions. Third, the Project Team plans to showcase successful examples of water resource solutions in Oregon communities today. We will advertise through local newspapers, community fliers, field offices, local radio stations, stakeholder networks, and websites.
- **Stakeholder Meetings.** If attending an open house isn't an option, the Project Team is also available to attend stakeholder meetings to provide updates, solicit feedback, and conduct workshops where members can help identify water resource concerns, needs, and solutions. The Project Team will develop PowerPoint presentations and talking points for staff and partners to use.
- **Commission and Advisory Group Meetings.** The lead agencies provide a number of opportunities to take public comment verbally or in written form. All of our boards and commissions welcome input on this project, and the Policy Advisory Group formed specifically for this project will set aside time for public comment.
- **Our Field Offices.** With more than 60 combined field offices throughout the state, the Departments of Water Resources, Environmental Quality, Fish & Wildlife, and Agriculture can advertise events, post project updates, and distribute a host of information to the public. Using these offices and connecting with offices of other natural resource agencies will help reach a wider audience.
- **Local Events.** With additional funding, the Project Team and other agency staff could attend and/or develop materials for display at county fairs, expos, conferences, and other events.

Media Alerts, through:

- **Media Contact.** Brenda.O.Bateman@wrd.state.or.us; 503-986-0879.
- **Press Releases and Print Media.** The Project Team will regularly contact local and state media outlets, including *The Oregonian*, *The Statesman Journal*, *Capital Press*, and *Oregon Public Broadcasting*, with opportunities for interviews, invitations to events, and text for articles. The Project Team has access to agency public information officers to help with these efforts.
- **Public Service Announcements.** The Project Team may use public service announcements to reach audiences during community television programs.
- **Radio Announcements.** With additional budget dollars, the Project Team could reach audiences through announcements at local events and radio programs.

Electronic Outreach, through:

- **Project Website.** Those interested in receiving information about the strategy can visit the website to find background documents, briefers, and a link to the IWRS listserve. Visit www.wrd.state.or.us and click on "Integrated Water Resources Strategy." The website also allows the public the opportunity to provide instant feedback on the strategy, using on-line surveys and direct email access to the Project Team (waterstrategy@wrd.state.or.us). With additional funding, the Project Team could deploy a more interactive, attractive, and accessible website.
- **Meeting Calendar.** The project website will showcase upcoming meetings and events.
- **Listserve.** The listserve (http://listsmart.osl.state.or.us/mailman/listinfo/iwrs) functions as an electronic means to broadcast information, including upcoming meetings and recent activity. It currently reaches 450 people and membership is open to the public.
- **Project Briefers.** We create and distribute briefers through the listserve every few weeks. Briefers are used to communicate announcements, recent activity, and upcoming events. We encourage stakeholders to share these briefers with their members.
- **Stakeholder Networks.** Cities, counties, water providers, irrigation districts, watershed councils, soil and water conservation districts, and other stakeholders cover every area of the state. We can distribute information by piggy-backing on their outreach tools, such as listserves, newsletters, and meetings. Likewise, stakeholder associations can convey member comments, questions, or concerns quickly and efficiently to the Project Team.
- **Webinars.** With additional funding, a series of webinars could provide information and allow question-and-answer sessions with remote audience members.

DRAFT 1/19/10

Oregon's Integrated Water Resources Strategy - Process Overview

	Phase I *Setting the Stage* August - Dec. 2009	Phase II *Identifying Water Resource Needs* Jan. - August 2010	Phase III *Developing Recommended Actions* Sept. 2010 - Dec. 2011	Phase IV *Producing Oregon's 1st Integrated Water Resources Strategy* Jan. - Dec. 2012	Phase V *Implementation and Evaluation* 2012 and after...
Tasks (Decision Points)	• Develop problem statement • Design overall process, including goals, objectives, and framework to develop recommended actions • Establish institutional capacity and organizational structure	• Address public comments • Identify water resource needs related to quantity, quality, and ecosystems • Begin to identify recommended actions to meet water resource needs • Identify potential grant opportunities	• 2011 progress report to Legislature • Identify/prioritize recommended actions to meet water resource needs • Note potential obstacles • Draft strategy/recommendations	• Notify other Boards/Commissions • Water Resources Commission adopt Strategy • Submit Integrated Water Resources Strategy to Oregon Legislature	• Evaluate process. • Lessons learned. • Follow-through with recommendations. • Measure implementation and effects of recomm.
Partners, Stakeholders and Public	• Host and/or attend 2009 briefings • Visit project website • Take online process survey • Submit comments to waterstrategy@wrd.state.or.us	• Host and/or attend 2010 briefings • Host and/or attend 2010 open houses • Can't attend an open house? Take our 2010 on-line survey	• Host and/or attend 2011 briefings • Review interim project results • Host and/or attend 2011 open houses • Can't attend an open house? Take our 2011 on-line survey	• Review & comment on draft Strategy	• Review & comment on the structure, process, and content of Oregon's Integrated Water Resources Strategy.
Policy Advisory Group (PAG)	• Members appointed • Contract with facilitator • Initial interviews with facilitator • Determine 2010 PAG meeting calendar	• Meetings 1 through 3 • Discuss comments on workplan & papers • Preview TAG technical agenda • Preview 2010 open house design • Identify information/data & planning options • Preview 2011 Legislative Report	• Meetings 4 through 6 • Review 2011 Legislative Report • Identify public policy, funding, and outreach/education options • Draft recommended actions	• Meetings 7 and 8 • First review and final review of Integrated Water Resources Strategy • Remain available for consultation • Project Evaluation	
Technical Advisory Group (TAG)		• Members appointed • Convene and brief PAG as needed • Develop and implement TAG's technical agenda	• Wrap-up technical work • Send recommendations to Policy Advisory Group and Project Team	• Remain available for consultation. • Project Evaluation	
Agency Advisory Group (AAG)	• Members appointed • Assist with draft issue papers • Determine functions and roles • Brief agency directors in Natural Resources Cabinet & Economic Revitalization Team	• Host workshops for agency staff members • Participate in open houses • Assist with PAG & TAG materials • Brief agency directors in Natural Resources Cabinet & Economic Revitalization Team	• Participate in open houses • Assist with PAG & TAG materials • Brief agency directors in Natural Resources Cabinet & Economic Revitalization Team	• Brief agency directors in Natural Resources Cabinet & Economic Revitalization Team	• Project Evaluation
WRC	• Quarterly work sessions • Quarterly Planning Committee check-in • Draft issue papers • Name liaison to PAG	• Quarterly work sessions • Quarterly Planning Committee check-in • Participate in open houses • Provide policy guidance	• Quarterly work sessions • Quarterly Planning Comm. check-in • Participate in Water Workshops 2 & 3 • Provide policy guidance	• Notify other boards/commissions • **Review and adopt Integrated Water Resources Strategy**	• Project Evaluation
Project Team (WRD, DEQ, ODFW, ODA)	• Form Project Team • Produce preliminary workplan and draft issue papers • Develop this process overview • Develop public involvement plan • Develop 2010 meetings calendar • Design 2010 open houses • Staff/communicate with above groups • Brief Commissions and Boards • **Interim reports to Legislature**	• Revise issue papers and workplan • Hold 2010 open houses (face-to-face and electronically) • Summarize and share 2010 open house results • Design 2011 open houses • Staff/communicate with above groups • Brief Commissions and Boards • **Interim reports to Legislature**	• Hold 2011 open houses • Draft preliminary Strategy • Staff/communicate with above groups • Brief Commissions and Boards • **Progress report to Legislature**	• First draft of the 2012 Strategy out for review • Revise draft • Staff/communicate with above groups • Final draft to Water Resources Commission for adoption • **Submit Integrated Water Resources Strategy to Legislature**	• Conduct / publish project evaluation • Prepare related budget and legislative concepts for 2013 Legislature

For more information, contact:
waterstrategy@wrd.state.or.us
Tel: 503-986-0911

or visit:
www.wrd.state.or.us, and click on
"Integrated Water Resources Strategy"

Oregon Department of Agriculture

Appendix F

Open house schedule subject to change.
Please check IWRS website for current information.

Appendix G: Meeting Calendar (last updated 02-08-2010)

2010	Place	Organization	Type of Meeting
January 5	Portland	Dept. of Human Services - Drinking Water Staff	Interagency
January 6	Salem	Dept. of Fish and Wildlife - Regional Managers	Interagency
January 6	Salem	Water Resources Dept. – Water Rights Division	Agency
January 8	Salem	Fish and Wildlife Commission	Briefing
January 13	Salem	Senate Environment and Natural Resources	Hearing
January 19	Salem	1st Meeting of the Policy Advisory Group	MEETING
January 20	Coos Bay	Oregon Watershed Enhancement Board	Briefing
January 21	Beaverton	Special Districts of Oregon Association – Water Comm.	Workshop
January 22	Salem	Water Resources Dept. - Northwest Field Staff	Agency
January 27	Eugene	Dept. of Environmental Quality – Regional Managers	Interagency
February 2	Portland	Regional Water Providers Consortium Board	Workshop
February 16	Durham	Oregon Technical Advisory Committee/NRCS/USDA	Workshop
February 18	Portland	"The Future of Oregon's Water Supply and Management"	Seminar
February 18	Salem	Oregon Business and Development Dept.	Interagency
February 18	Salem	Water Resources Commission	Briefing
February 19	Portland	Environmental Quality Commission	Briefing
March 10	Portland	American Water Works Assoc – Water Policy Comm.	Workshop
March 31	Gresham	IWRS Project Team and Partners	OPEN HOUSE
April 6	Salem	Oregon Plan for Salmon & Watersheds – Core Team	Interagency
April 7	Ontario	IWRS Project Team and Partners	OPEN HOUSE
April 8	Umatilla	IWRS Project Team and Partners	OPEN HOUSE
April 14	Salem	2nd Meeting of the Policy Advisory Group	MEETING
April 22	Bandon	IWRS Project Team and Partners	OPEN HOUSE
April 28	Tillamook	IWRS Project Team and Partners	OPEN HOUSE
May 11	Medford	IWRS Project Team and Partners	OPEN HOUSE
May 12	Klamath Falls	IWRS Project Team and Partners	OPEN HOUSE
May 13	Redmond	IWRS Project Team and Partners	OPEN HOUSE
May 15	Bend	Oregon League of Women Voters Annual Meeting	Workshop
June 3	TBA	Water Resources Commission	MEETING
June 8	Salem	IWRS Project Team and Partners	OPEN HOUSE
TBD	Eugene	IWRS Project Team and Partners	OPEN HOUSE
July 29	Salem	3rd Meeting of the Policy Advisory Group	MEETING
August 6	TBA	Water Resources Commission	MEETING
October 6	Salem	4th Meeting of the Policy Advisory Group	MEETING
November 18	TBA	Water Resources Commission	MEETING

[Meetings already completed]:

2009	Place	Organization	Type of Meeting
Aug. 10-11	Corvallis	Association of Oregon Counties Water Summit	Briefing
Aug. 21	Newport	Oregon Environmental Quality Commission	Briefing
Sept. 10-11	Seaside	Oregon Water Resources Commission	Briefing
Sept. 14	Salem	Farm Bureau Water Committee	Briefing
Sept. 14-15	Spokane	Council of State Governments	Briefing
Sept. 16	Salem	Governor's Economic Revitalization Team Staff	Briefing
Sept. 16	Salem	Legislative Committee on Indian Services	Briefing
Sept. 17	Tillamook	Tillamook Soil & Water Conservation 2009 Annual M.	Briefing
Sept. 17	Eugene	Oregon Planning Institute 2009 Annual Conference	Briefing
Sept. 25	Eagle Crest	Oregon Water Resources Congress 2009 Law Sem.	Briefing/Workshop
Sept. 25	Bend	Oregon Assoc. of Nurseries 2009 Member Convention	Briefing
Sept. 25	Bend	Oregon Water Utilities Council September Meeting	Briefing
Sept. 25	Portland	Oregon Business Council Water Committee	Briefing
Sept. 30	Salem	Senate Environment and Natural Resources Committee	Hearing
Oct. 1	Salem	House Environment and Water Committee	Hearing
Oct. 9	Salem	Groundwater Advisory Committee (advisory to WRC)	Briefing/Workshop
Oct. 12	Redmond	Deschutes Water Alliance	Briefing
Oct. 15	McMinnville	Yamhill Soil & Water Conservation 2009 Annual M.	Briefing
Oct. 20	Salem	League of Oregon Cities Water Policy Committee	Briefing/Workshop
Oct. 22	Keizer	Oregon Water Utilities Council October Meeting	Briefing/Workshop
Oct.		Oregon Association of Conservation Districts Board	Briefing
Oct. 23	Sisters	Water for Life Annual Meeting	Briefing
Oct. 27	Salem	Water Resources Dept. Regional Manager Meeting	Briefing/Workshop
Oct. 29	Klamath Falls	Network of Watershed Councils 2009 Gathering	Briefing/Workshop
Nov. 4-7	Stevenson	Pacific Northwest Water Quality Conference	Briefing
Nov. 5-6	Portland	18th Annual Oregon Water Law Conference	Briefing
Nov. 12	Seattle	American Water Resources Association	Briefing
Nov. 19	Salem	Tribal Water Forum	Briefing/Listening
Nov. 19	Salem	Oregon Water Resources Commission	Briefing
Dec. 2	Hood River	Oregon Water Resources Congress Annual Meeting	Briefing
Dec. 4-5	Bend	Oregon Association of Cattlemen Annual Meeting	Briefing
Dec. 16	Portland	Oregon Board of Agriculture	Briefing
Dec. 16	Portland	Environmental NGOs	Briefing
Dec. 16	Portland	Oregon Chapter-American Water Resources Association	Briefing

Appendix H: Sample IWRS Table of Contents

Foreward
Observations from Agency Directors .....

Overview
Goals and Objectives of the Integrated Water Resources Strategy .....
Recommended actions designed to achieve the objectives of the Strategy .....
Framework Used to Organize Strategy.....
(Information & Data, Planning, Policy, Regulatory, Funding, and Outreach & Education).....

Background
Use Issue Paper #1: The Need for an Integrated Water Resources Strategy .....
Use Workplan Contents: Statutory Foundation and Legislative Direction .....
Historic Foundation .....
Defining a Statewide Integrated Water Resources Strategy .....
Roles and Responsibilities .....
Communication and Partnership with Key Stakeholders, Partners, and the Public .....

Action Agenda:
Objective 1: Improve Understanding of Instream Needs .....
Use Issue Paper #4: Ecology and Ecosystems
Technical Work under IWRS: instream rights, peak & ecological flows
Options & Recommendations:Information, Planning, Policy, Regulatory, Funding, Education

Action 2: Improve Understanding of Out-of-Stream Needs.....
Use Issue Paper #5: Economy
Use Issue Paper #6: Culture
Options & Recommendations:Information, Planning, Policy, Regulatory, Funding, Education

Action 3: Improve Understanding of Oregon's Water Supplies.....
Use Issue Paper #2: Water Quantity
Use Issue Paper #3: Water Quality
Technical Work under IWRS: basin yield analysis
Options & Recommendations:Information, Planning, Policy, Regulatory, Funding, Education

Action 4: Improve Understanding of Pressures That Could Affect Needs.....
Use Issue Paper #2: Water Quantity – Population Growth Projections & Land-Use Changes
Options & Recommendations:Information, Planning, Policy, Regulatory, Funding, Education

Action 5: Improve Understanding of Pressures That Could Affects Water Resources.....
Issue Paper #7: Climate Change
Plans related to the challenges presented by climate change
(e.g., downscaling, conservation and storage programs, assessment of water rights)
Technical Work under IWRS: water rights overlay on hydrologic graph, downscaling

Options & Recommendations:Information, Planning, Policy, Regulatory, Funding, Education

Action 6: Improve Ecological Health .....
Options & Recommendations: Research, Planning, Policy, Regulatory, Funding, Education

Action 7: Improve Economic Certainty and Cultural Access.....
Options & Recommendations: Research, Planning, Policy, Regulatory, Funding, Education

Appendices:
Agency Appendix (missions, authorities, role & responsibilities, decision-making tools).....
Sources of input: Commissions and Boards, Tribes, Elected Officials (OSU Interviews), Business Community (ERT Interviews), Survey of General Public (OSU Team), Policy Advisory Group, Agency Advisory Group, Technical Advisory Group, Stakeholders, Open Houses, State-Tribal Forum.....
Water Resource Plans from Other States.....
Communities Successfully Using the Recommended Actions.....

Acknowledgements.....