



2015

Annual Report

About the Water Council

The Alberta Water Council (AWC) is a multi-stakeholder partnership that provides leadership, expertise and sector knowledge to engage and empower industry, non-government organizations, and governments to achieve the outcomes of the *Water for Life* strategy.

Created in 2004 under Ministerial Order by Alberta's then-Minister of Environment, the AWC serves as a unique example of the concept of shared governance. It is one of three types of partnerships named under the *Water for Life* strategy; the others are Watershed Planning and Advisory Councils, and Watershed Stewardship Groups.

The AWC regularly reviews implementation of the *Water for Life* strategy and champions the achievement of the strategy's goals. The structure of the renewed *Water for Life* strategy is based on a strong relationship between three goals:

- Safe, secure drinking water;
- Healthy aquatic ecosystems; and
- Reliable, quality water supplies for a sustainable economy.

These goals will be met through knowledge and research, partnerships, and water conservation.

The AWC also advises the Government of Alberta, stakeholders and the public on effective water management practices and solutions to water issues, as well as on priorities for water research. However, the Government of Alberta remains accountable for the implementation of the *Water for Life* strategy, and continues to administer water and watershed management activities throughout the province.

The AWC operates by consensus and is guided by an executive committee. It submits reports and recommendations directly to the Minister of Environment and Parks and to other stakeholders. In November 2007, the AWC was formally incorporated as a not-for-profit society under Alberta's *Societies Act*, with its own bylaws and governance structure. The AWC receives an annual grant from the Government of Alberta to cover core operating costs and is responsible for its own financial management. Financial information for fiscal year 2015 is available on the AWC website.

About this Report

This is the AWC's eleventh annual report. It summarizes activities for the calendar year 2015.

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Executive Summary

This annual report describes the activities of the Alberta Water Council (AWC) in 2015—the start of our second decade. A highlight this year was hearing about the progress of the major water-using sectors in implementing their voluntary water conservation, efficiency and productivity plans. In the coming year, a new multi-stakeholder team will evaluate and report on the contribution of these plans to advancing the *Water for Life* strategy.

Work on aquatic invasive species culminated in seven recommendations in five key areas: prevention, public awareness, and stakeholder communication and collaboration; long-term management; monitoring; inspections; and support for enforcement. This initiative was undertaken in parallel with work by the Government of Alberta (GoA), recognizing that success will require collaboration with national, regional and local partners.

Water literacy was another important area of activity in 2015. A tool was developed and used to assess the knowledge and awareness of a sample of Albertans about various aspects of water and water management in the province. Among other things, the results revealed a better general understanding of the issues than of the actions that could be taken to address them. Draft recommendations to improve water literacy were developed in five theme areas and a final report to the board is expected in 2016.

The AWC continued its project on lake management—work that will inform the development of a provincial lake policy to which the GoA committed following the 2013 Water Conversation. The project team is focusing on lake watershed management, noting that lakes cannot be managed in isolation from activity on the surrounding land. The team has engaged experts to advise on various topics, and a stakeholder workshop was held in partnership with the Alberta Lake Management Society. Input from that session will be reflected in the final recommendations, expected in 2016.

This year also saw the beginning of the AWC's fifth review of implementation progress of the *Water for Life* strategy. The review committee is focusing on existing and emerging water issues and the effectiveness of the strategy in addressing them. The GoA will consider the AWC's recommendations, expected in mid-2016, along with other initiatives when it renews the strategy's action plan.

The AWC continues to operate within its core budget; financial information about operations is available on the AWC website. Staff and board members remain active in their outreach within Alberta and elsewhere, sharing information about the AWC and its consensus-based process. For more information on the AWC, its publications and activities, please visit our website at www.awchome.ca.



President's Message

Water management remains a high priority in a world that is feeling the impacts of floods, droughts and intense storms. Albertans are no strangers to these events and understand that water is a precious resource requiring careful stewardship to meet environmental, social and economic needs now and into the future.

Since 2004, the AWC has provided solid advice on more than 30 important water management issues. Having an organization where Alberta's major water users and stakeholders can sit at one table to discuss and address complex water challenges reflects this province's continuing dedication to collaboration and creative solutions. The AWC exemplifies the government's commitment to engage stakeholders in policy development and its willingness to implement consensus-based solutions. Our success demonstrates the value of involving individuals and organizations with diverse perspectives, and the strength of the resulting advice. I believe this leadership model is emerging as one of the best for dealing with a variety of difficult and complicated challenges, and Albertans have truly benefitted by having industry, environmental and government leaders working together toward common goals.

Our work on aquatic invasive species (AIS), completed in 2015, illustrates what can be accomplished when knowledgeable people come together to tackle a pressing problem—in this case, preventing and managing the environmental, economic and social threats that AIS pose to the province. In parallel with the Government of Alberta's policy initiatives, the AWC developed recommendations in five key areas to improve awareness, communication and coordination of activities of those involved in a provincial AIS management system.



We were also very pleased to hear reports by the seven major water-using sectors on implementation progress of their water conservation, efficiency and productivity plans. These voluntary plans offer flexibility within the sectors and are expected to contribute substantially to overall improvement in water conservation, efficiency and productivity across Alberta.

Again this year, it has been my pleasure to work with the many committed members of the AWC's board, teams and staff. We are deeply grateful for the ongoing participation of these individuals and the organizations they represent, for the contribution of their time and talents, and for the fiscal resources they have provided in support of our project teams.

Bill Werry



Board Members

The following individuals served as board members and all gave generously of their time and expertise to advance the AWC's work this year.

Broad Category	Director	Alternate
Industry		
Chemical and Petrochemical	Rob Hoffman	Lorna Young
Cropping		Sharon McKinnon
Forestry	Keith Murray*	Dan Moore
Irrigation	Ron McMullin	Richard Phillips
Livestock	Stuart Thiessen	Doug Sawyer
Mining	James Guthrie	Chris Fordham
Oil and Gas	Deanna Cottrell	John Van Ham
Power Generation	Jim Hackett	Ahmed Idriss
Non-Government Organization		
Environmental	Carolyn Campbell	Bob Cameron
Environmental	Jason Unger	
Environmental	Maureen Bell	
Fishery Habitat Conservation	Silvia D'Amelio	Peter Aku
Lake Environment Conservation	Jay White*	Stephanie Neufeld
Watershed Planning and Advisory Councils	Hugh Sanders	Cheryl Fujikawa
Wetland Conservation	Perry McCormick	Tracy Scott



Broad Category

Government of Alberta and Provincial Authorities

	Director	Alternate
Alberta Agriculture and Forestry	Dave Burdek	Jamie Wuite
Alberta Energy	Al Sanderson	Audrey Murray
Alberta Environment and Parks	Bill Werry*	Rick Blackwood
Alberta Health		Merry Turtiak
Alberta Innovates – Energy and Environment Solutions	John Zhou	Brett Purdy

Other Government

Large Urban		Nancy Stalker
Métis Settlements	Mary Onukem	
Rural	Al Kemmere*	Earl Graham
Small Urban	Melodie Stol	Rachel de Vos

Ex-officio

Gordon Edwards*

* Executive member as of December 31, 2015

The AWC gratefully acknowledges the contributions of the following individuals, who stepped down in 2015:

Directors

Greg Sears, Martin Chamberlain, Chris Ward

Alternates

Stuart Lunn, Jenny Hong



Executive Director's Message

In 2015 the AWC entered its second decade with enthusiasm and renewed commitment to collaborative, consensus-based decision making. Since being established in 2004, our multi-stakeholder approach has taken on some difficult water challenges and produced creative solutions with wide support. In addition to generating thoughtful and practical recommendations to improve water management in Alberta, we are always happy to share our experience with others.

The AWC continues to be involved in a variety of diverse projects. This year saw the conclusion of the aquatic invasive species (AIS) project. As well as surveying individuals with knowledge of the Alberta situation, the team compiled a great deal of information on how AIS are managed in other jurisdictions. In concert with the policy and program work being done by the Government of Alberta (GoA), the team's seven recommendations aim to preserve this province's leadership position on the AIS issue.

We have been very pleased to see advancements in other areas to which the AWC has contributed, including the Alberta Wetland Policy and water conservation, efficiency and productivity (CEP) planning. Next year the GoA and AWC will examine implementation of the CEP plans developed by the seven major water-using sectors and evaluate the success of the overall CEP process. A new working group was formed in late 2015 to take on these tasks.



This year also saw initiation of the fifth review of *Water for Life* implementation progress, which will be completed in 2016 along with work on water literacy and lake management.

Operationally, we reviewed and updated our Process Guidelines to reflect refinements that are part of the internal continuous improvement cycle. Staff receive many invitations to present our work to organizations that want to learn more about the benefits of collaborative stakeholder engagement on complex issues, and we accommodate as many of those requests as we can.

The AWC's many volunteer directors, alternates and team members bring their energy and insights to our organization and we are incredibly grateful for their ongoing effort. It has been my pleasure to work with these dedicated individuals. 2016 promises to be full of activity and we look forward to new accomplishments.

Gordon K. Edwards



Committee, Working Group and Project Team Members

The following individuals contributed their time and expertise to AWC committees, working groups and project teams in 2015, and the AWC gratefully acknowledges their commitment and support. The AWC also thanks the many other individuals from various stakeholder groups who reviewed documents, responded to surveys, and volunteered their time in support of our activities.

Ahmed Idriss	Gordon Thompson	Lorna Young	Richard Phillips
Alf Durnie	Harpreet Sandhu	Lynda Miedema	Rob Hoffman
Amanda Doyle	Hugh Sanders	Lynn Robb	Robert Nygaard
Arin MacFarlane-Dyer	Jacquie Browne	Madison Kobryn	Ron McMullin
Axel Anderson	Janelle Villeneuve	Margaret Beeston	Ron Zurawell
Barry Morishita	Janine Higgins	Mark Brostrom	Sarah Skinner
Brett Purdy	Jason Unger	Martina Krieger	Shannon Abbott
Carolyn Kolebaba	Jay White	Meghan Payne	Sharina Kennedy
Cheryl Fujikawa	Jeff Surtees	Michelle Muller	Sharon McKinnon
Chris Ward	Jennifer Makar	Mike Iwanyshyn	Sharon Willianen
Curtis Horning	Jennifer Nitschelm	Mike Jenkins	Stephanie Neufeld
Dan Moore	Jim Hackett	Naomi Achus	Susanna Bruneau
Daniel Laubhann	Kate Wilson	Nicole Seitz Vermeer	Tara Payment
Dave Hayman	Kathy Worobec	Peter Aku	Tasha Blumenthal
Dean Morin	Kelly Buziak	Peter Pellatt	Ted Harms
Deanna Cottrell	Kim McLeod	Rachel de Vos	Vanessa Higgins
Earl Graham	Kristen Lorenz	Rawnald Axelson	Vicki Lightbown
Glenn Isaac	Lesley Peterson	Richard Casey	

Our Team as of December 31, 2015

Executive director

Gordon Edwards

Senior manager

Andre Asselin

Project managers

Anuja Ramgoolam

Petra Rowell

Marie-Claire St-Jacques

Accounting

Sunny Yeung

Policy and communications

Kim Sanderson



AWC Activities and Progress in 2015

This year, the AWC operated in the second year of its 2014–2016 Business Plan. Each of the Plan’s three areas of core business has a specific goal and several strategies to achieve the goal. Activities in 2015 supported progress in all three core business areas, as reflected in the chart below. The areas of AWC activity for 2015 are described in more detail later in this report, under the work of the appropriate committee, working group, or project team. A report on performance measures appears in the next section.

1

Core Business

Steward the implementation of *Water for Life*

Goal

The implementation of the *Water for Life* strategy is reviewed in a timely and thorough manner.

Performance Measure

- A. Percentage of AWC members contributing to the *Water for Life* Implementation Review report, which is due 18 months after the period under review.

Areas of Activity in 2015

- *Water for Life* Implementation Review



2

Core Business

Provide valued policy advice

Goal

AWC's policy recommendations are timely, based on credible information, implementable, have consensus and support *Water for Life* goals and timelines.

Performance Measure

- A. Percentage of projects completed in the timeline prescribed in the approved project terms of reference.
- B. Percentage of issues identified by AWC project teams addressed with consensus recommendations.

Areas of Activity in 2015

- Aquatic Invasive Species
- Water Literacy
- Lake Management
- Evaluating Water Conservation, Efficiency and Productivity
- Source Water Protection

3

Core Business

Provide a forum for discussion and resolution of water issues

Goal

AWC has an effective process for sectors to discuss and resolve water management issues.

Performance Measure

- A. Percentage of directors satisfied that the AWC's processes and communications are addressing the needs of the board.
- B. Percentage of identified process gaps being appropriately addressed within six months of coming to the AWC's attention.

Areas of Activity in 2015

- Communications
- Lake Management workshop collaboration with Alberta Lake Management Society
- Water Conservation, Efficiency and Productivity reporting session

The board continued to track annual progress in implementing its recommendations. At its March 2015 meeting, the board was advised that of the 237 recommendations made to date, 30% have been implemented, 68% are in progress, and just 2% were noted as "not under consideration at this time."



Evaluating and Measuring Performance

The AWC fully supports the tenet “what gets measured gets done.” It is important for the AWC to demonstrate to itself, stakeholders and the public that its three goals are being achieved, which makes performance measures an essential part of the AWC’s three-year business plan. The executive committee is responsible for evaluating and reporting on the AWC’s performance each year on behalf of the board. This is the third year for the AWC to report on its performance in its annual report.

Setting Priorities

The 2014–2016 Business Plan identifies goals, strategies and performance measures to guide the AWC as it strives to achieve its mandate.

Performance Measures

The AWC has five performance measures, one for the first goal and two each for goals two and three.

Goal 1

The implementation of the *Water for Life* strategy is reviewed in a timely and thorough manner.

■ **Performance Measure 1a:** Percentage of AWC members contributing to the *Water for Life* Implementation Review report, which is due 18 months after the period under review.

Target: 90% of AWC members contribute to the *Water for Life* Implementation Review report.

Results: The AWC regularly reviews implementation progress of the *Water for Life* strategy. However, the review is not done on an annual basis, and thus this performance measure is not assessed every year. A committee dedicated to reviewing the implementation of the strategy for the 2012–2015 period began its work in June 2015 and will complete its report in June 2016. This performance measure will be reported on in 2016.



Goal 2

AWC's policy recommendations are timely, based on credible information, implementable, have consensus and support *Water for Life* goals and timelines.

- **Performance Measure 2a:** Percentage of projects completed in the timeline prescribed in the approved project terms of reference.

Target: 100%

Results: The target of 100% was met. Of the four active projects, one was scheduled to complete its work and did so with the board's approval of the report in October 2015.

- **Performance Measure 2b:** Percentage of issues identified by AWC project teams addressed with consensus recommendations.

Target: 85%

Results: The target was met and surpassed with a result of 100%. The Aquatic Invasive Species Project Team identified five issues where they could make recommendations, and made seven consensus recommendations to address them. No outstanding issues remained.

Goal 3

AWC has an effective process for sectors to discuss and resolve water management issues.

- **Performance Measure 3a:** Percentage of directors satisfied that the AWC's processes and communications are addressing the needs of the board.

Target: 85% of directors are satisfied with the communications strategy and its implementation.

Results: The target for this performance measure was met and surpassed with 92% of directors who responded to the poll expressing their satisfaction with the communications strategy and its implementation.

- **Performance Measure 3b:** Percentage of identified process gaps being appropriately addressed within six months of coming to the AWC's attention.

Target: 100%

Results: The AWC reviews its process guidelines on a three-year cycle. A review in early 2015 revealed no significant process gaps and no other process gaps have been identified since then. This performance measure requires that process gaps be identified before they can be addressed, so it is possible that this performance measure will not be assessed every year.



Committees, Working Groups and Project Teams

Committees, working groups and project teams are where much of AWC's substantive work is done. Like the AWC, these multi-stakeholder bodies make decisions by consensus.

Committees are typically formed to deal with administrative matters and often carry on their work from year to year. Occasionally, a committee is formed for a specific activity.

Working groups are formed when the AWC decides that more detailed work is needed in an area. The main purpose of a working group is to scope the issue and recommend how it could be addressed. This usually involves preparing terms of reference for a project team.

Project teams are established to investigate particular water issues thoroughly and come back to the board with a report and recommendations. Terms of reference for each team are available on the AWC's website.

This section briefly describes the accomplishments of each committee, working group and project team.

Reports from AWC teams are available online at www.awchome.ca.

Committees

Executive Committee

The AWC is guided by a five-person executive committee, which includes a member from each of the four broad categories plus the executive director who also serves as the secretary-treasurer. The executive committee provides financial and statutory oversight on behalf of the board, sets the agenda for each board meeting, and responds to issues that arise between meetings, giving guidance to staff or handling the matter directly, as appropriate. Executive members liaise with GoA ministers and monitor the board's effectiveness and adherence to AWC policies and procedures. Along with board directors, they also communicate with the media when required. As well, the executive committee leads communications, strategic, and business planning activities.

This year the executive committee oversaw updates and revisions to the AWC's Process Guidelines, which is done every three years, as well as the annual update to the Communications Strategy Action Plan. The AWC continues to operate within its core budget; financial information about operations is available on the AWC website.



Water for Life Implementation Review Committee

One of the AWC's primary tasks is to steward implementation of the *Water for Life* strategy. This is done via the Implementation Review Committee, which convenes every few years to review implementation progress and provide high level directional advice. The multi-stakeholder committee focuses on existing and emerging water issues in the province and the effectiveness of the strategy in addressing them. The AWC's fifth review is now underway and covers implementation progress from 2012 to 2015. As previous reviews did, this one will examine strengths and weaknesses and recommend areas where additional focus would enable the strategy to advance more effectively. As part of its work, the committee is undertaking a literature review of *Water for Life* documents and other relevant materials, conducting a survey to determine sector contributions to implementation, receiving presentations from guest speakers on priority water concerns in Alberta, and interviewing GoA staff and others involved in advancing the goals and key directions of the strategy. The GoA will consider the AWC's recommendations, expected in mid-2016, along with other initiatives when it renews the *Water for Life* Action Plan.

Working Groups and Project Teams

Source Water Protection

This working group was established to a) determine if there is an appropriate project for the AWC to pursue in the area of source water protection, given that others have already done considerable work on this topic in Alberta, and b) make a recommendation to the board. The group has examined various options for a project that would support the source water protection aspect of the GoA's report, *Our Water, Our Future: A Plan for Action*, and discussions are underway with Alberta Environment and Parks (AEP), the original proponent of the project, to explore a path forward. The working group expects to make a recommendation to the board in early 2016.

Aquatic Invasive Species

The AIS Project Team was formed to identify gaps and opportunities for improving awareness, communication, and coordination of activities by stakeholders in Alberta who are working to prevent and manage AIS threats. Part of this task included documenting the current state of AIS management in Alberta and other jurisdictions. To be considered an AIS, the species must pose a significant risk to the economy, environment, and/or human health. In addition to the jurisdictional review, which included five US states, Ontario and Alberta, the team surveyed Alberta stakeholders and interviewed staff in GoA and



Government of Canada departments and agencies with a role in managing AIS in Alberta.

This initiative was undertaken in parallel with work by the GoA to develop a provincial AIS program that includes facets of education and outreach, policy and legislation, monitoring, response, and inspection. It supports the *Water for Life* strategy's management principle to "manage Alberta's water infrastructure for long-term sustainability," as well as the strategy's goals of healthy aquatic ecosystems and ensuring reliable, quality water supplies for a sustainable economy.

Many groups are already working to prevent AIS from entering the province and are managing existing threats, but there is a need for leadership, expertise and support from the GoA. The GoA was identified as the lead in the seven recommendations resulting from this project, recognizing that implementation will rely on collaboration with national, regional and local partners. Recommendations were made in five key areas related to AIS management:

- Prevention, public awareness, and stakeholder communication and collaboration
- Long-term management
- Monitoring plan
- Inspections
- Support for enforcement

Gaps were highlighted in two areas that would be considered policy (risk assessment and early detection rapid response) but no recommendations were made to avoid confounding the policy work occurring within the GoA. The final report will be released in early 2016.

Evaluating Water Conservation, Efficiency and Productivity

Water conservation is a key direction of the *Water for Life* strategy, which included an aspirational target to improve overall efficiency and productivity of water use by 30% between 2005 and 2015. The AWC has supported these efforts with three project teams, and the seven major water-using sectors voluntarily developed and implemented water conservation, efficiency and productivity (CEP) plans. In its 2014 report, *Our Water, Our Future: A Plan for Action*, the GoA committed to ensuring these sectors make concrete, measurable improvements in water CEP. This will be accomplished by continuing to support the voluntary approach to CEP planning, and by working with the AWC to examine implementation progress and evaluate the extent to which the overall process to improve water CEP was successful.

In October the board approved terms of reference from a working group to establish the Evaluating Water Conservation, Efficiency and Productivity Project Team. The project, the AWC's fourth on the CEP topic, will:

- Evaluate and report on the contribution of the water-using sectors' implemented CEP opportunities to achieving the three *Water for Life* goals, the specific outcome of a 30% improvement in overall efficiency and productivity from 2005 levels by 2015, and the AWC-approved CEP desired outcomes



- Evaluate the process used by the AWC to achieve CEP objectives and make recommendations for potential future enhancements to sector planning, implementation, and reporting, if needed

The team will present the results of its interim work to the board as it is completed, and aims to submit its final report in 2017.

Lake Management

The Lake Management Project Team was launched in early 2015 to assess the state of lake management in Alberta and develop recommendations to improve it. This project will inform the development of a provincial lake policy, a commitment made by the GoA following the 2013 Water Conversation.

The team agreed to use the term “lake watershed management” rather than “lake management” to highlight that lakes cannot be managed separately from activity occurring on the surrounding land. Many players are involved in lake watershed governance and there are overlapping statutory and non-statutory mechanisms and roles. The team is engaging experts on a variety of topics, including legal aspects, policy issues and tools, current approaches to lake watershed management planning, and education and outreach challenges.

A stakeholder workshop was held in collaboration with the Alberta Lake Management Society in September and this input will inform the final recommendations. Early findings identified the need for improved technical information; challenges associated with integrating and coordinating watershed management plans with other formal land use plans (such as municipal development plans); gaps in capacity when it comes to expertise, staff and funding for plan development and implementation; and opportunities to increase the adoption of existing tools to support lake stewardship. The project is expected to conclude in 2016 with a final report and recommendations to the board.

Water Literacy

The Water Literacy Project Team was established to enhance understanding of water literacy initiatives in Alberta and develop recommendations to improve it. The team designed and conducted an electronic survey of relevant stakeholders to identify existing water literacy programs, products, research, assessments, and organizations and compiled a list of best practices. This survey found a wide range of existing programs, mostly in central Alberta with higher numbers in urban centres. It also identified gaps in these programs, including areas that are not widely addressed. The survey further determined that program success or effectiveness is not always measured for a variety of reasons.

A consultant was subsequently engaged to design a valid tool to assess water literacy levels. One hundred Albertans were sampled to determine their knowledge and awareness related to the management of lakes, wetlands, and watersheds; Alberta’s water management system; sector water use; and drinking water, wastewater, and groundwater. Results showed a higher level of awareness and knowledge in some topics than others and generally, the knowledge and awareness of skills and actions that could be taken was lower than overall knowledge.

By the end of 2015 the team had drafted recommendations in five theme areas:

- Enhance collaboration among water literacy practitioners
- Provide tools and knowledge to measure success and effectiveness
- Better align water topics, audiences, delivery areas and methods
- Strengthen capacity among water literacy practitioners
- Assess water literacy among Albertans

The team expects to present its final report to the board in 2016.



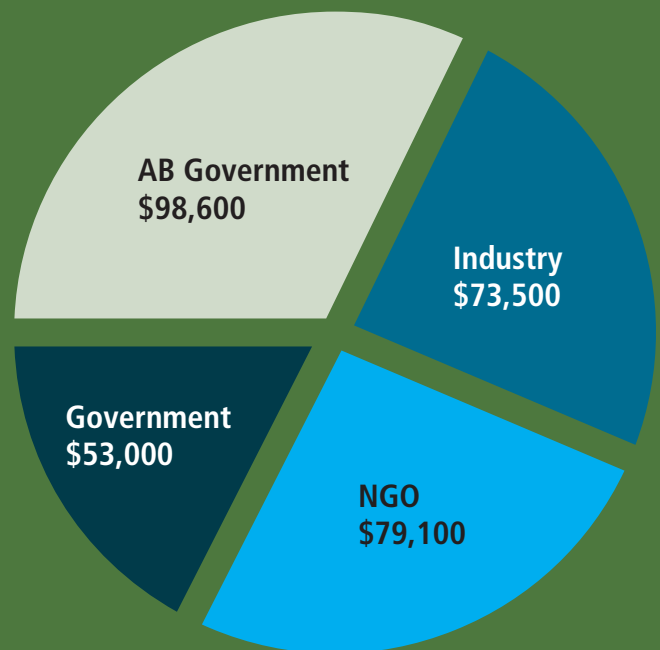
In-Kind Contributions

In-kind support is a cornerstone of the AWC's ability to address complex water management issues and is extremely valuable in helping the AWC to complete its work. Industry, government, and non-government organizations have all provided such support, largely through the participation of their staff. A number of organizations have also hosted meetings and other events. The AWC has tried to assign a dollar value to this support by examining time and travel costs and other contributions, but can confidently say that the true value of these contributions is both under-recorded and underestimated.

The total in-kind contributions of time for 2015 amounted to 3145 hours, which represents about \$304,000 in donated time. A cash donation was also made by the Alberta Irrigation Projects Association in support of the Lake Management Project Team. The chart shows both in-kind and cash contributions from the four broad stakeholder categories, not including the GoA grant for core operating expenses. In addition, the GoA provided office space to the AWC in 2015.

The AWC also acknowledges the Alberta Forest Products Association for its contribution to the October recognition event.

The AWC is grateful for all the generous contributions from its stakeholders.





Organizations

The following organizations supported the AWC through their generous in-kind contributions in 2015. These commitments have been instrumental in helping the AWC undertake its work and are deeply appreciated. The AWC also values the contributions from the many organizations that have been engaged behind the scenes and are too numerous to track.

Alberta Agriculture and Forestry
Alberta Association of Municipal Districts and Counties
Alberta Beef Producers
Alberta Chamber of Resources
Alberta Conservation Association
Alberta Council for Environmental Education
Alberta Economic Development and Trade
Alberta Energy
Alberta Environment and Parks
Alberta Environmental Monitoring, Evaluation and Reporting Agency
Alberta Forest Products Association
Alberta Health
Alberta Innovates – Energy and Environment Solutions
Alberta Irrigation Projects Association
Alberta Lake Management Society
Alberta Municipal Affairs
Alberta Newsprint Company
Alberta Wilderness Association
Alberta Urban Municipalities Association
ATCO Power
Athabasca Watershed Council
Aquality Environmental
Battle River Watershed Alliance
Beaver River Watershed Alliance
Bow River Basin Council
Bow River Irrigation District
Canadian Association of Petroleum Producers
Canadian Fuels Association
Capital Power
Chemistry Industry Association of Canada
City of Calgary
City of Edmonton
Crop Sector Working Group
Ducks Unlimited Canada
Environmental Law Centre
EPCOR Utilities Inc.
First Nations Technical Services Advisory Group
Fish Habitat Conservation Collective
Imperial Oil
Intensive Livestock Working Group
Land Stewardship Centre of Canada
Lesser Slave Lake Watershed
Métis Settlements General Council
Mighty Peace Watershed Alliance
Milk River Watershed Council Canada
Namaka Farms
Natural Resources Conservation Board
North Saskatchewan Watershed Alliance
Oldman Watershed Council
Red Deer River Watershed Alliance
South East Alberta Watershed Alliance
South Peace Environmental Association
Shell Canada Limited
Strathcona County
Suncor Energy Inc.
Town of Blackfalds
Trout Unlimited Canada
TransAlta Corporation
Water Conservation Trust of Canada



Other Resources

The AWC's reports can be obtained from our website or on request to staff. Other agencies and organizations have published materials that have been useful to the AWC and may be of interest to readers. Some of these are noted below.

AWC Documents

The following documents are available on the AWC website at www.awchome.ca.

- Riparian Land Conservation and Management (2014)
- 2014-2016 Business Plan (2014)
- Sector Planning for Water Conservation, Efficiency and Productivity (2013)
- Recommendations to Improve Non-Point Source Pollution Management in Alberta (2013)
- Moving from Words to Actions – Recommendations to improve communication, coordination and collaboration between and among *Water for Life* partnerships (2011)
- Consensus Decision-Making Toolkit (2010), published with the Clean Air Strategic Alliance
- Provincial Ecological Criteria for Healthy Aquatic Ecosystems: Recommendations from the Alberta Water Council (2009)
- Recommended Projects to Advance the Goal of Healthy Aquatic Ecosystems (2009)
- Recommendations for Improving Alberta's Water Allocation Transfer System (2009)
- Healthy Aquatic Ecosystems – A Working Definition (2008)
- *Water for Life*, Recommendations for Renewal (2008)
- Intra-Basin Water Movement: Major Principles and Recommendations (2008)
- Recommendations for Water Conservation, Efficiency and Productivity Sector Planning (2008)
- Strengthening Partnerships: A Shared Governance Framework for *Water for Life* Collaborative Partnership (2008)
- Recommendations for a New Alberta Wetland Policy (2008)
- Recommendations for an Alberta Wetland Policy Implementation Plan (2008)
- Recommendations for a Watershed Management Planning Framework for Alberta (2008)



- Intra-Basin Water Movement Inter-jurisdictional Research Report (2008)
- Water Conservation, Efficiency and Productivity: Principles, Definitions, Performance Measures and Environmental Indicators (2007)
- Water Policy Issues and Gaps (2007)
- Review of Implementation Progress of *Water for Life*, 2009–2011 (2011)
- Review of Implementation Progress of *Water for Life*, 2006–2008 (2009)
- Review of Implementation Progress of *Water for Life*, 2005–2006 (2007)
- Review of Implementation Progress of *Water for Life*, 2004/2005 (2005)
- Water Research Strategy (2006), published by the Alberta Science and Research Authority

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- Alberta Water Council 2007 Annual Report
- Alberta Water Council 2005–2006 Annual Report
- Alberta Water Council 2004–2005 Annual Report

Water Conservation, Efficiency and Productivity (CEP) Sector Plans

Alberta's seven major water-using sectors have prepared CEP plans. These plans were voluntarily prepared and subsequently adopted by their respective sector organizations. In accordance with the AWC's Framework for sector plan development, the

completed CEP plans were presented to the AWC for information only, not for approval or endorsement. The original plans and progress reports are available on the AWC's website at www.awchome.ca/Projects/CEP/tabid/209/Default.aspx.



Other Resources

Water for Life Strategy and Related Documents

A number of documents related to the *Water for Life* strategy are available online at www.waterforlife.alberta.ca

Watershed Planning and Advisory Councils

(see www.albertawpacs.ca for more details)

- Athabasca Watershed Council, www.awc-wpac.ca
- Battle River Watershed Alliance, www.battleriverwatershed.ca
- Beaver River Watershed Alliance, www.beaverriverwatershed.ca
- Bow River Basin Council, www.brbc.ab.ca
- Lesser Slave Lake Watershed Council, www.lswc.ca
- Mighty Peace Watershed Alliance, www.mightypeacewatershedalliance.org
- Milk River Watershed Council Canada, www.milkriverwatershedcouncil.ca
- North Saskatchewan Watershed Alliance, www.nswa.ab.ca
- Oldman Watershed Council, www.oldmanbasin.org
- Red Deer River Watershed Alliance, www.rdrwa.ca
- South East Alberta Watershed Alliance, www.seawa.ca

Other Alberta Resources and Websites

- Alberta Stewardship Network, www.landstewardship.org/ASN
- Alberta Innovates – Energy and Environment Solutions, www.ai-ees.ca



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