



# 2016

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 government 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. 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. It operates by consensus and is guided by an executive committee.

The AWC is a valued partner in the Province's water management system. It 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
- Reliable, quality water supplies for a sustainable economy

The AWC also provides a forum for discussion of provincial-scale water management issues and advises the Government of Alberta, stakeholders and the public on effective water management practices and solutions to water issues. It submits reports and recommendations directly to its members and the public. 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.

Alberta Environment and Parks provides an annual grant to cover core operating costs but the AWC is responsible for its own financial management. Office space and other operational support are also provided by the Government of Alberta. Financial information for fiscal year 2016 is available on the AWC website.

## About this Report

This is the AWC's twelfth annual report. It summarizes activities for the calendar year 2016.

# Contents

<b>iv</b>	Executive Summary	<b>8</b>	Evaluating and Measuring Performance
<b>1</b>	President's Message	<b>10</b>	Committees, Working Groups and Project Teams
<b>2</b>	Board Members		
<b>4</b>	Executive Director's Message	<b>14</b>	In-Kind Contributions
<b>5</b>	Committee, Working Group and Project Team Members	<b>15</b>	Organizations
<b>6</b>	AWC Activities and Progress in 2016	<b>16</b>	Other Resources

# Executive Summary

This annual report describes the activities of the Alberta Water Council (AWC) in 2016. Publication of a major report on management of aquatic invasive species drew attention to this issue in a constructive and positive manner. The AWC also published its work on water literacy, which was undertaken in parallel with the Government of Alberta's interim Water Literacy Strategy. Although water literacy programs cover many topics, target audiences and delivery areas, gaps remain in the issues addressed and where and to whom the programs are delivered. The AWC's five recommendations suggest ways in which water literacy can be improved in the province.

In 2016, the AWC completed its fifth review of progress in implementing the *Water for Life* strategy, covering the period 2012 to 2015. The multi-stakeholder review focuses on existing and emerging water issues and the effectiveness of the strategy in addressing them. Of the 31 actions for the strategy's goals and key directions, the AWC concluded that 45% have been completed or are progressing on track. Some progress is apparent for another 42%, and the remaining 13% are showing limited progress or are being re-evaluated.

Work continued on lake watershed management, 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. The final report and recommendations will be published in 2017.

This year also saw the launch of a team to evaluate water conservation, efficiency and productivity (CEP) efforts by the seven major water-using sectors in Alberta. Building on the AWC's extensive work to date in this area, the team compiled individual and collective contributions of sectors' CEP activities and evaluated the overall success of implemented CEP opportunities

as well as the AWC CEP process. Recommendations due in 2017 are expected to support continued reporting on sector progress and to suggest how data collection, availability and usability can be improved.

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, its projects and the consensus-based process. For more information on the AWC, its publications and activities, please visit our website at [www.awchome.ca](http://www.awchome.ca).





## President's Message

I was delighted to join this organization in 2016 and be appointed president. I have seen the dedication and commitment of the board, teams and staff first-hand; their efforts and those of the organizations they represent are deeply appreciated. I would particularly like to thank Executive Director Gord Edwards for his leadership over the last decade, as he retires in January 2017. I look forward to working with our board and teams to find creative, long-term solutions to Alberta's water issues.

In its 12 years, the AWC has worked as a collaborative, knowledgeable, arm's-length organization. Having addressed over 30 topic areas, the AWC provided advice and broad perspectives on important water issues, reflecting the commitment of the Government of Alberta (GoA) to engage stakeholders and work with them to improve water management in Alberta.

AWC's 2016 report on aquatic invasive species (AIS) supports the GoA's efforts to develop a provincial AIS management program. Keeping these species out of Alberta will be much more

cost-effective than trying to eradicate or manage them later. With the detection of whirling disease in Banff National Park and the potential for AIS to arrive with a more variable climate and growing tourism, it is essential to have a timely and scientifically sound prevention and management plan in place.

The AWC's water literacy recommendations also provided valuable advice as the GoA prepares its water literacy strategy. This strategy will help Albertans as well as local and provincial decision makers become more knowledgeable about

aquatic ecosystems and their many contributions to our economy and quality of life. In another area, advice on lake watershed management will inform the development of a provincial lake policy. The AWC is well-positioned to continue advising all of its partners on ways to tackle Alberta's water challenges.



Andre Corbould



# 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
<b>Industry</b>		
Chemical and Petrochemical	Rob Hoffman	Greg Moffatt
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
<b>Non-Government Organization</b>		
Environmental	Carolyn Campbell	Bob Cameron
Environmental	Jason Unger	
Environmental	Maureen Bell	
Fisheries Habitat Conservation	Silvia D'Amelio	Peter Aku
Lake Environment Conservation	Jay White*	Stephanie Neufeld
Watershed Planning and Advisory Councils	Cheryl Fujikawa	
Wetland Conservation	Perry McCormick	Tracy Scott

**Government of Alberta and Provincial Authorities**

Alberta Agriculture and Forestry	Dave Burdek	Jamie Wuite
Alberta Energy	Doug Lammie	Wade Clark
Alberta Environment and Parks	Andre Corbould*	Rick Blackwood
Alberta Health		Merry Turtiak
Alberta Innovates	Brett Purdy	

**Other Government**

Large Urban	Mark Brostrom	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, 2016

**The AWC gratefully acknowledges the contributions of the following individuals, who stepped down in 2016:**

**Directors:**

Hugh Sanders, Al Sanderson, Bill Werry, John Zhou

**Alternates:**

Lorna Young

## Executive Director's Message

2016 marks another year of accomplishment and progress for the AWC. Through it all, one constant has been the remarkable dedication of our volunteer board and teams and the AWC staff. The timely publication of our report on management of aquatic invasive species helped raise the profile of this important issue and highlighted some of the innovative approaches Alberta is taking to deal with this threat.

We also completed our work on water literacy, providing five recommendations to the Government of Alberta that support and align with its planned Water Literacy Strategy. Project activity continued on lake watershed management and water CEP, as well as our regular review of *Water for Life* implementation progress.

With encouragement from Alberta Environment and Parks (AEP), our executive met this year with counterparts from the Clean Air Strategic Alliance (CASA) to examine potential synergies and efficiencies between the two organizations. Subsequently, it was decided that the AWC offices will be reconfigured to enable CASA to share our space starting in 2017.

2016 was my last year as the AWC's executive director, a position I have been privileged to hold for nine years. In that time, we have produced more than 20 substantial reports with recommendations to key stakeholders, completed five reviews of implementation progress of the *Water for Life* strategy, and hosted several successful workshops and symposiums. It has given me enormous satisfaction to see our staff take on such challenging projects and use their many skills to achieve the results we have, due in no small part to the AWC's talented and knowledgeable volunteers. Staff have also supported me as we worked to find efficiencies and deliver budgetary cost savings in these difficult economic times. Indeed, working alongside several



hundred AWC team members, directors and staff has been my favourite part of this job. The passion, knowledge and professionalism of the AWC are second to none.

Our province is fortunate and wise to have an organization like the AWC to provide sound advice on diverse water management issues, particularly as Alberta forges ahead to address the challenges of climate change. I look forward to seeing Albertans continue to benefit from the Council's leadership and advice.

A handwritten signature in blue ink, appearing to read 'G. Edwards', with a stylized flourish at the end.

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 2016, 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	Janine Higgins	Madison Kobryn	Ron McMullin
Amanda Doyle	Jason Unger	Martina Krieger	Ron Zurawell
Beverly Anderson	Jay White	Maureen Bell	Sarah Skinner
Brett Purdy	Jennifer Makar	Meghan Payne	Sharina Kennedy
Carolyn Campbell	Jennifer Nitschelm	Melodie Stol	Sharon McKinnon
Curtis Horning	Jim Hackett	Mike Iwanyshyn	Sharon Willianen
Dan Moore	Judy Stewart	Naomi Achus	Stephanie Neufeld
Deanna Cottrell	Kathy Worobec	Peter Aku	Susanna Bruneau
Earl Graham	Keith Murray	Peter Pellatt	Tara Payment
Gordon Thompson	Kelly Buziak	Rachel de Vos	Tasha Blumenthal
Greg Moffatt	Kim McLeod	Richard Casey	Ted Harms
Harpreet Sandhu	Kristen Lorenz	Richard Phillips	Thorsten Hebben
James Guthrie	Lorna Young	Rob Hoffman	Vanessa Higgins
Janice Dewar	Lynn Robb	Robert Nygaard	

The AWC also notes with sadness the death this year of Alf Durnie who represented GoA/ Alberta Municipal Affairs on the AWC's Lake Watershed Management Working Group and

Project Team from 2014-2016. He was an enthusiastic and thoughtful team player who ensured that municipal concerns were brought to the team's table.

## OUR TEAM AS OF DECEMBER 31, 2016

Executive director – Gordon Edwards

Senior manager – Andre Asselin

Project managers:

Anuja Ramgoolam

Marie-Claire St-Jacques

Petra Rowell

Accounting – Sunny Yeung

Policy and communications – Kim Sanderson

# AWC Activities and Progress in 2016

This year, the AWC operated in the final 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 2016 supported progress in all three core business areas, as reflected below. The areas of AWC activity for 2016 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

**Area of Activity in 2016**  
■ *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 Measures**  
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 2016**  
■ Water Literacy  
■ Lake Watershed Management  
■ Evaluating Water Conservation, Efficiency and Productivity



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 Measures**

- 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

**Area of Activity in 2016**

- Communications

The board continued to track annual progress in implementing its recommendations. At its April 2016 meeting, the board was advised that of the 245 recommendations made to date, 31% have been implemented, 63% are in progress, and 5% were noted as “not under consideration at this time.”



# Evaluating and Measuring Performance

The Alberta Water Council 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 fourth 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 Alberta Water Council members contributing to the *Water for Life* Implementation Review report, which is due 18 months after the period under review.

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

**Results:** The AWC’s standing *Water for Life* Implementation Review Committee reviewed the implementation progress of the *Water for Life* strategy in 2016. The target of 90% of Council members contributing to the report was met and surpassed, with 92% of members contributing. It is noteworthy that the committee extended the reach of its work and also received input from 22 non-AWC member organizations that are involved in supporting or delivering *Water for Life*.

## Goal 2

Alberta Water Council'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 not met. Two of the three active projects or committees completed their work on schedule in accordance with the timelines prescribed in the terms of reference. The Lake Watershed Management Project Team was unable to meet its prescribed timelines due to late changes requested by the board to the final report.

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

**Target:** 85%

**Results:** The target was met and surpassed with a result of 100%. One project team and one committee completed their work in 2016, and no outstanding issues remained. The Water Literacy Project Team identified five issues where it could make recommendations, and made five consensus recommendations to address them. The *Water for Life* Implementation Review Committee addressed seven issues with 12 consensus recommendations.

## Goal 3

Alberta Water Council has an effective process for sectors to discuss and resolve water management issues.

- **Performance Measure 3a:** Percentage of directors satisfied that the Alberta Water Council'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 100% 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 Alberta Water Council'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](http://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.



In response to direction from the board, the executive committee formed a sub-committee in early 2016 to examine how the process for tracking AWC recommendations could be improved. The sub-committee proposed several minor changes which staff were asked to implement for the next reporting cycle. Normally the executive committee would have initiated work on a new three-year business plan this year, but with the resignation of the executive director planned for January 2017, the business planning cycle will be deferred until an incumbent is in place.

#### **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 *Water for Life* 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 was completed in 2016 and covered implementation progress from 2012 to 2015.

The committee reviewed a range of relevant documents, interviewed staff from

the GoA and provincial authorities involved in implementing the strategy, and circulated an electronic survey to AWC sectors and Watershed Stewardship Groups to identify non-government contributions to implementation. The committee also received presentations on emerging priority topics and held a panel discussion with subject matter experts on the management of healthy aquatic ecosystems. Of the 31 actions for the strategy's goals and key directions, the AWC concluded that 45% have been completed or are progressing on track. Some progress is apparent for another 42%, and the remaining 13% are showing limited progress or are being re-evaluated.

Overall, the AWC is of the view that the strategy remains resilient and relevant; however there is an opportunity to address gaps and weaknesses, including showing how the strategy will integrate with other GoA priorities such as the Integrated Resource Management System and the Land-use Framework, and increasing adaptability. Eleven recommendations in the six areas related to goals and key directions were presented to the GoA, along with a twelfth recommendation that the GoA continue to work with partners in monitoring and reporting on performance to achieve the strategy's goals.

## **Working Groups and Project Teams**

### **Source Water Protection**

This working group was formed in 2015 to explore the potential for a project team in the area of source water protection. Since much work had been done previously on this topic, the working group was asked to recommend whether the topic and approach were appropriate for the AWC as originally proposed. A number of factors complicated this work, including the timing of other initiatives on the subject and challenges with the potential scope of the issue as discussed by the working group.

Following the release of the report, *Our Water, Our Future: A Plan for Action*, the GoA revised its water and resource development priorities and processes and broadened the potential scope of GoA-led work in the area of source water protection. Against this backdrop, the GoA decided to re-examine its approach to this issue, and the AWC, with GoA support, agreed not to pursue the source water protection topic for the time being.

## 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.

The Evaluating Water CEP Project Team was launched in February 2016. It has compiled individual and collective contributions of sectors' CEP activities and evaluated the overall

success of implemented CEP opportunities as well as the AWC CEP process. Each sector reported on the following aspects:

- sector-specific context and criteria for success in CEP
- implementation successes and barriers
- contributions to the three goals of *Water for Life*, the 30% target and CEP desired outcomes

In some cases, sectors also relied on additional information from Alberta's Water Use Reporting System to supplement their reports. Findings from the evaluation process informed the team as it drafted recommendations to improve future CEP planning, implementation and reporting. Recommendations are being developed in two theme areas:

- maintain the culture of CEP work and continue to report on sector progress
- improve data collection, availability and usability and raise awareness of the importance of reporting

By the end of 2016, the team was ready to undertake broad sector engagement on its draft report. The team expects to present its final report to the board in March 2017.

## Lake Watershed Management

The Lake Watershed Management Project Team began work 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.

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 engaged 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 draft report was presented to the board in November, with recommendations in the following areas:

- setting strategic directions for a provincial lake policy
- investing in science and knowledge

- prioritizing management needs undertaking lake watershed management planning
- ensuring that there are regulatory and voluntary tools to manage the uplands
- improving access to tools and education

The team expects to conclude its work in early 2017.

## 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's work was undertaken in parallel with the GoA's development of an interim Water Literacy Strategy. The team did a

survey and inventory of existing water literacy programs, products and assessment in Alberta and then looked at program best practices to identify gaps.

The project found that water literacy programs cover a variety of topics, target audiences and delivery areas but gaps still exist in the issues addressed, and where and to whom the programs are delivered. A consultant assessed the water literacy of 100 Albertans on six different topics. Those sampled had awareness and knowledge of some water topics, but were less equipped with the skills to take action.

The AWC's five recommendations align with the GoA's interim Water Literacy Strategy and propose

that the GoA improve water literacy in Alberta by:

- working with partner organizations to increase collaboration among water literacy practitioners
- providing tools and knowledge to assess program success and effectiveness
- better aligning water topics, target audiences, delivery areas and methods
- strengthening capacity among water literacy practitioners
- assessing water literacy among Albertans

Specific timelines are associated with action in each area, with some recommendations calling for progress as early as 2017, and others going into 2018 or being implemented annually on a continuous basis.



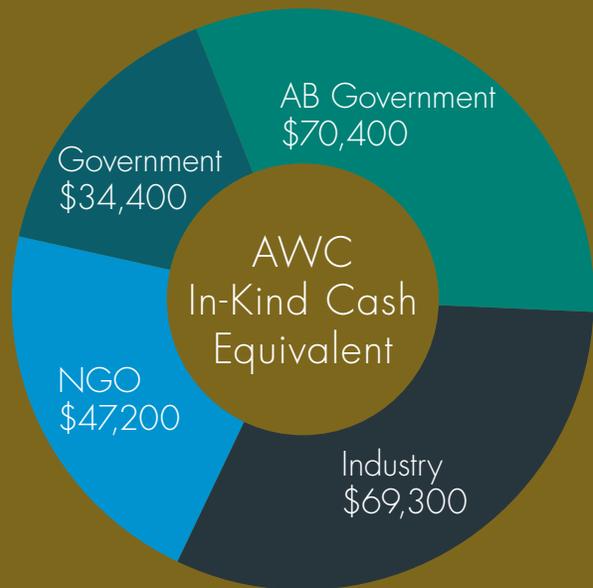
# In-Kind Contributions

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 2016 amounted to 2590 hours, which represents about \$221,000 in donated time. The chart shows in-kind cash equivalent contributions from the four broad stakeholder categories. In addition, the GoA provided office space to the AWC in 2016.

The AWC gratefully acknowledges AEP for providing a generous grant which covers core operating expenses. The AWC also acknowledges the Alberta Forest Products Association for its contribution to the November 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 2016. 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	ATCO Power	Fish Habitat Conservation Collective
Alberta Association of Municipal Districts and Counties	Alberta Urban Municipalities Association	Imperial
Alberta Beef Producers	Alberta Wilderness Association	Intensive Livestock Working Group
Alberta Chamber of Resources	Athabasca Watershed Council	Land Stewardship Centre of Canada
Alberta Conservation Association	Aquality Environmental Consulting Ltd.	Lesser Slave Lake Watershed Council
Alberta Council for Environmental Education	Battle River Watershed Alliance	Métis Settlements General Council
Alberta Energy	Beaver River Watershed Alliance	Mighty Peace Watershed Alliance
Alberta Environment and Parks	Bow River Basin Council	Milk River Watershed Council Canada
Alberta Forest Products Association	Bow River Irrigation District	Namaka Farms
Alberta Health	Canadian Association of Petroleum Producers	Natural Resources Conservation Board
Alberta Innovates	Canadian Fuels Association	North Saskatchewan Watershed Alliance
Alberta Irrigation Projects Association	Capital Power	Oldman Watershed Council
Alberta Lake Management Society	Chemistry Industry Association of Canada	Red Deer River Watershed Alliance
Alberta Municipal Affairs	City of Calgary	Rockyview County
Alberta Newsprint Company	City of Edmonton	Shell Canada
Association of Summer Villages of Alberta	ConocoPhillips Canada	South East Alberta Watershed Alliance
	Crop Sector Working Group	South Peace Environmental Association
	Ducks Unlimited Canada	Strathcona County
	Environmental Law Centre	Suncor Energy Inc.
	EPCOR Utilities Inc.	Town of Blackfalds
	First Nation Technical Services Advisory Group Inc.	TransAlta Corporation
		Trout Unlimited Canada
		University of Alberta
		Water Conservation Trust of Canada

# Other Resources

The AWC's reports and other information 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](http://www.awchome.ca).

- *Recommendations to Improve Water Literacy in Alberta (2016)*
- *Recommendations to Improve Aquatic Invasive Species Management in Alberta (2016)*
- *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)
- *2010–2013 Business Plan* (2010)
- *Water Research Strategy* (2006), published by the Alberta Science and Research Authority

## Annual Reports

All AWC annual reports from 2004 to 2015 are available on the website.

### 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](http://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](http://www.waterforlife.alberta.ca)

### **Watershed Planning and Advisory Councils**

(see [www.albertawpacs.ca](http://www.albertawpacs.ca) for more details )

Athabasca Watershed Council,  
[www.awc-wpac.ca](http://www.awc-wpac.ca)

Battle River Watershed Alliance,  
[www.battleriverwatershed.ca](http://www.battleriverwatershed.ca)

Beaver River Watershed Alliance,  
[www.beaverriverwatershed.ca](http://www.beaverriverwatershed.ca)

Bow River Basin Council, [www.brbc.ab.ca](http://www.brbc.ab.ca)

Lesser Slave Lake Watershed Council,  
[www.lswc.ca](http://www.lswc.ca)

Mighty Peace Watershed Alliance,  
[www.mightypeacewatershedalliance.org](http://www.mightypeacewatershedalliance.org)

Milk River Watershed Council Canada,  
[www.milkriverwatershedcouncil.ca](http://www.milkriverwatershedcouncil.ca)

North Saskatchewan Watershed Alliance,  
[www.nswa.ab.ca](http://www.nswa.ab.ca)

Oldman Watershed Council,  
<http://oldmanwatershed.ca>

Red Deer River Watershed Alliance,  
[www.rdrwa.ca](http://www.rdrwa.ca)

South East Alberta Watershed Alliance,  
[www.seawa.ca](http://www.seawa.ca)

### **Other Alberta Resources and Websites**

Alberta Stewardship Network,  
[www.landstewardship.org/ASN](http://www.landstewardship.org/ASN)

Alberta Innovates, [www.ai-ees.ca](http://www.ai-ees.ca)



## Photo Credits

cover - iStockphoto

p.iv Anuja Ramgoolam

p.2 Susan Sly

p.4 Anuja Ramgoolam

p.7 Anuja Ramgoolam

p.8 Susan Sly

p.10 Terry Sly

p.13 Susan Sly

p.14 Susan Sly

p.16 Anuja Ramgoolam

p.18 Terry Sly



## Alberta Water Council

14<sup>th</sup> Floor, Petroleum  
Plaza South Tower  
9915 – 108 Street NW  
Edmonton, AB T5K 2G8

Tel: 780-644-7380  
Fax: 780-644-7382  
Email: [info@awchome.ca](mailto:info@awchome.ca)  
[www.awchome.ca](http://www.awchome.ca)

### **Printed copies were printed on Chorus Art Silk**

Manufactured from 50% recycled fibres and is elemental chlorine free.

The FSC® certification assures that the wood fibre raw materials comply with the Forest Stewardship Council® standards for a responsible management of forests with respect to territories and social principles.