

2019 ANNUAL REPORT



About the Water Council

The Alberta Water Council (AWC) is a collaborative partnership that provides leadership, expertise, and sector knowledge and perspectives to help governments, Indigenous Peoples, industry, and non-governmental organizations to advance the outcomes of *Water for Life*. It advises the Government of Alberta (GoA) on matters pertaining to the successful achievement of the outcomes of the *Water for Life* strategy and on effective water resources management policies, practices, and tools.

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 GoA, 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 GoA 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 GoA. Financial information for fiscal year 2019 is available on the AWC website.

About this Report

This is the AWC's fifteenth annual report. It summarizes activities for the calendar year 2019.

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Executive Summary

This annual report describes the activities of the Alberta Water Council (AWC) in 2019. In addition to the usual work by project teams, the AWC developed a revised Multi-Year Communications Strategy under the guidance of the executive committee. A new Operational Plan for 2020 was approved. Twenty-nineteen marked 15 years since the inception of the AWC, and a 15-Year Anniversary Celebration was held at the Edmonton Federal Building to mark the occasion.

Project activity in 2019 focused on three important areas: building resiliency to multi-year drought, protecting sources of drinking water in Alberta, and the start of the next round of the *Water for Life* implementation review. Both project teams and the *Water for Life* Committee had a heavy workload as they used various approaches to compile relevant information from Alberta and other jurisdictions on these issues. The Protecting Sources of Drinking Water in Alberta Project Team wrapped up in late 2019 and produced a guidance document for protecting public, private, and individual drinking water sources in Alberta. The Building Resiliency to Multi-Year Drought in Alberta Project Team is producing a guide and workshop materials that Watershed Planning and Advisory Councils (WPACs) can use to engage small urban and rural municipalities as they seek to address multi-year droughts. This material was tested at a pilot workshop held in the Battle River Watershed in December of 2019 and the project is expected to wrap up in 2020.

The *Water for Life* Implementation Review (WFLIR) Committee reconvened in 2019 and will cover the implementation progress from 2016 to 2019. This committee is working with a consultant to create a suite of performance indicators for use in future WFLIR processes. The committee is reviewing documents and collecting information from the GoA, provincial authorities, and non-government groups involved in implementing the strategy through electronic surveys and roundtables. Work on this project is expected to wrap up in late 2020.

In October, the AWC co-hosted an Interest-Based Conflict-Resolution Training Workshop with the Clean Air Strategic Alliance. The workshop was attended by partners from government, industry, and non-government organizations. Feedback was positive, and the AWC will investigate opportunities to hold more training sessions in 2020.

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.

Board Members

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

Sector Group	Director	Alternate
Industry		
Chemical and Petrochemical	Rob Hoffman	Greg Moffatt
Cropping		Fiona Briody
Forestry	Keith Murray*	Dan Moore
Irrigation	Margo Jarvis Redelback	Richard Phillips
Livestock		Doug Sawyer
Mining	James Guthrie	Chris Fordham
Oil and Gas	Deanna Cottrell	
Power Generation	Jim Hackett	Ahmed Idriss
Non-Government Organization		
Environmental	Nissa Petterson	Bob Cameron
Environmental	Jason Unger	
Environmental	Maureen Bell	
Fishery Habitat Conservation	Silvia D'Amelio	
Lake Environment Conservation	Jay White*	Mike Christensen
Watershed Planning and Advisory Councils	Roxane Bretzlaff	Morris Nesdole
Wetland Conservation	Tracy Scott	

* Executive member as of December 31, 2019

Government of Alberta and Provincial Authorities

Alberta Agriculture and Forestry		Jamie Wuite
Alberta Energy	Stephanie Clarke	Wade Clark
Alberta Environment and Parks	Bev Yee*	Tom Davis*
Alberta Health		Merry Turtiak
Alberta Innovates	Brett Purdy	

Other Government

Large Urban	Mark Brostrom	Nancy Stalker
Métis Settlements	Darren Calliou	
Rural	Paul McLauchlin	Tom Burton
Small Urban	Tanya Thorn*	Che-Wei Chung

Ex-officio

Andre Asselin*

* Executive member as of December 31, 2019

The AWC gratefully acknowledges the contributions of the following individuals, who stepped down in 2019:

Directors: Carolyn Campbell, Dave Burdek

Alternates: Bradley Peter, John Van Ham, Rick Blackwood

President's Message

I was delighted to assume the role of AWC president in 2019, a year in which the AWC celebrated 15 years of providing advice to the GoA and other stakeholders. The many dedicated people behind the Council remain strong in their commitment and support to the organization and it is a real pleasure to be involved with such a hard-working group.

A key strength of the organization continues to be the collaborative approach of finding creative solutions to challenging issues. Partnerships, too, have been a foundation of AWC's success, with key contributions from WPACs as well as industry, government and NGO players.

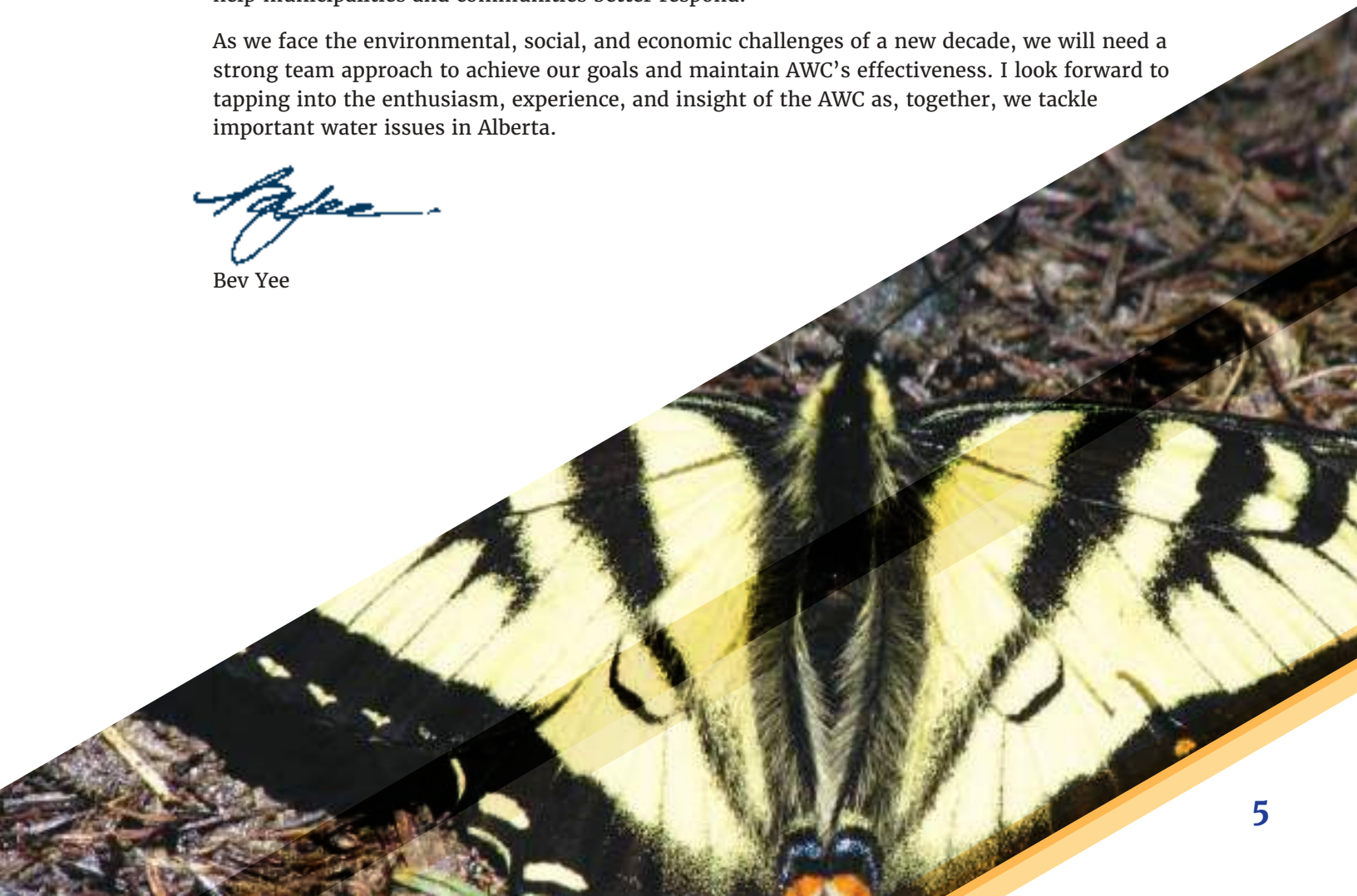
Over the years, the AWC has had many accomplishments in diverse areas. One particularly significant outcome was the voluntary efforts by Alberta's seven major water-using sectors to meet the 30% target of reduced water use through improvements in conservation, efficiency, and productivity. More recently, work was completed to help organizations develop plans to protect their sources of drinking water. Strategies to build resilience to drought—another recurring challenge in Alberta—are also being developed and will help municipalities and communities better respond.

As we face the environmental, social, and economic challenges of a new decade, we will need a strong team approach to achieve our goals and maintain AWC's effectiveness. I look forward to tapping into the enthusiasm, experience, and insight of the AWC as, together, we tackle important water issues in Alberta.



A handwritten signature in blue ink that reads "Bev Yee". The signature is fluid and cursive, with a long horizontal line extending to the right.

Bev Yee



Executive Director's Message

As the Alberta Water Council entered its fifteenth year, resilience, flexibility, and innovation continued to characterize our multi-stakeholder operations and approach.

Project teams are where AWC's core work is done. The Protecting Sources of Drinking Water in Alberta team produced a detailed guide that fills a gap in Alberta's water management system and will help any group that wants to develop a source water protection plan. Continuing with the good work being done by the Building Resiliency to Multi-Year Drought in Alberta team, the board approved a new project to test the proposed approach to drought management through a simulation. This simulation will help the GoA, municipalities, and communities understand, monitor, and plan for drought.



The board paid attention to important ongoing administrative aspects by finalizing the three-year business plan with performance measures, updating the multi-year communications strategy, and developing new processes to ensure that we remain nimble and responsive to emerging member and government priorities. To demonstrate accountability and transparency, the AWC monitors and reports on progress in implementing its recommendations. As of 2019, nearly 75% of AWC recommendations have been implemented or closed.

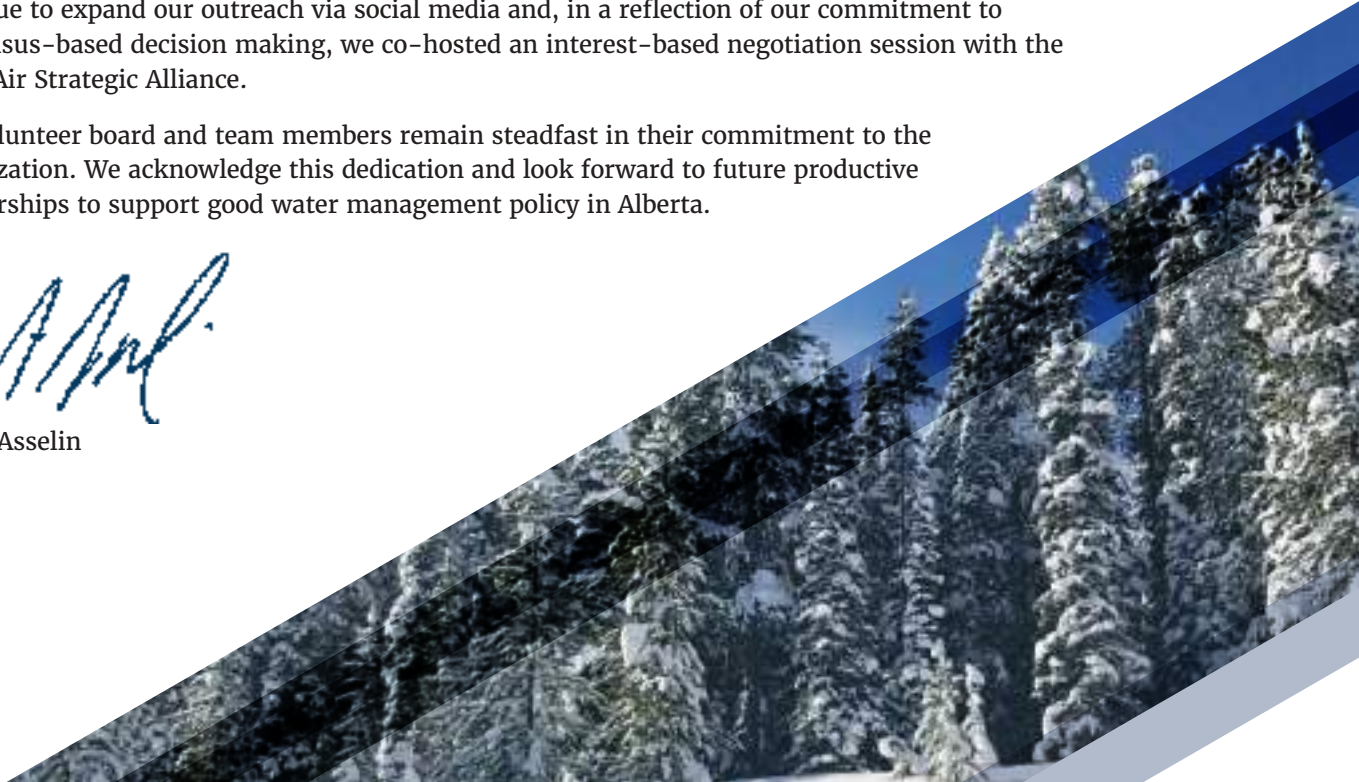
The GoA showed its confidence in the Council by assuring multi-year funding until 2023. Although the AWC, like many other organizations, experienced budget cuts in 2019, prudent fiscal management in previous years put us in a position to respond effectively to these reductions.

To stay abreast of emerging information, the board heard presentations this year on a diversity of topics from a wide range of government, non-government, and research organizations. We continue to expand our outreach via social media and, in a reflection of our commitment to consensus-based decision making, we co-hosted an interest-based negotiation session with the Clean Air Strategic Alliance.

Our volunteer board and team members remain steadfast in their commitment to the organization. We acknowledge this dedication and look forward to future productive partnerships to support good water management policy in Alberta.

A handwritten signature in blue ink, which appears to read "Andre Asselin". The signature is stylized and fluid.

Andre Asselin



AWC Team

Our team as of December 31, 2019

Executive Director

Andre Asselin

Operations Manager

Anuja Ramgoolam

Project Managers

Lauren Hall

Katie Duffett

Petra Rowell

Communications Adviser

Cara McInnis

Board and Office Administrator

Christa Edwards

Writing and Editing Support

Kim Sanderson

Accounting

Sunny Yeung

The AWC acknowledges the contributions of Project Manager Marie-Claire St-Jacques who left in 2019.



Committee, Working Group, and Project Team Members

The following individuals contributed their time and expertise to AWC committees, working groups, and project teams in 2019, 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.

Barry White	Keziah Lesko-Gosselin	Rick Blackwood
Brian Brewin	Kristen Lorenz	Rosey Radmanovich
Brian Deheer	Kyle Swystun	Sarah Skinner
Chandra Tomaras	Lauren Makowecki	Steph Neufeld
Che-Wei Chung	Lora Brenan	Susan Valentine
Chris Gallagher	Margo Jarvis Redelback	Tanya Thorn
Danielle Koleyak	Maureen Bell	Thorsten Hebben
Dan Moore	Mike Christensen	Tim Romanow
Debra Long	Morris Nesdole	Tom Davis
Doug Kaupp	Morna Hussey	Trevor Rhodes
Fiona Briody	Nancy Stalker	Wendy Giamberardino
George Roman	Pamela Duncan	
Jay White	Pat Marriott	
Jason Unger	Paul McLauchlin	
Jenna Curtis	Paul Taylor	
Judy Stewart	Phil Boehme	
Keith Murray		

AWC Activities and Progress in 2019

Each of the three areas of core business in the AWC's Business Plan has a specific goal and several strategies to achieve the goal. Activities in 2019 supported progress in all three core business areas, as reflected in the chart below. The areas of AWC activity for 2019 are described later in this report. A report on performance measures appears in the next section. In 2018, the AWC prepared a new three-year business plan, which came into effect in 2019, along with revised performance measures.

CORE BUSINESS 1	CORE BUSINESS 2	CORE BUSINESS 3
<p>Advance the outcomes of <i>Water for Life</i></p>	<p>Provide advice that informs policy or actions</p>	<p>Provide a forum to discuss perspectives on water</p>
<p>Goal 1 Review and provide advice on the implementation of the <i>Water for Life</i> strategy.</p>	<p>Goal 2 AWC's policy recommendations, advice, and tools are based on a multi-stakeholder perspective, and are responsive to water resources challenges and opportunities.</p>	<p>Goal 3 AWC has an effective process for participants to discuss water resources management challenges and opportunities.</p>
<p>Performance Measure 1a) Percentage of AWC members contributing to the <i>Water for Life</i> Implementation Review report, which is due 18 months after the period under review.</p>	<p>Performance Measure 2a) Percentage of projects completed in the timeline prescribed in the approved project terms of reference. 2b) Percentage of issues identified by AWC project teams addressed with consensus recommendations.</p>	<p>Performance Measure 3a) Percentage of directors satisfied that the AWC's processes give them an opportunity to discuss water resources management challenges and opportunities.</p>
<p>Areas of Activity in 2019</p> <ul style="list-style-type: none"> ■ The <i>Water for Life</i> Implementation Review Committee was reconvened and began their review. 	<p>Areas of Activity in 2019</p> <ul style="list-style-type: none"> ■ Building Resiliency to Multi-Year Drought: Tools for Small Urban and Rural Municipalities ■ Protecting Sources of Drinking Water in Alberta ■ Improving Resilience to Drought in Alberta Through a Simulation 	<p>Areas of Activity in 2019</p> <ul style="list-style-type: none"> ■ Communications, including newsletters, videos, webinars, social media, and website.

The board continued to track annual progress in implementing its recommendations, using an updated approach agreed to in 2017. Of the Council's 276 recommendations, 8% were implemented in 2019, 5% are pending, and the remaining 87% were implemented or closed in previous years. "Pending" means that the recommendation is at some stage of implementation or implementation status is uncertain, and subsequent follow-up will be undertaken. The AWC will not be requesting updates on recommendations that have been implemented or are closed. Detailed reports on implementation progress are available on the AWC website.

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 seventh year the AWC has reported on its performance in its annual report.

Setting Priorities

A three-year business plan was adopted in late 2018 and associated performance measures were developed in 2019. This 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: Review and provide advice on the implementation of the *Water for Life* strategy.

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

Target: 90%

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 2016–2019 period began its work in April 2019 and will complete its report by November 2020. This performance measure will be reported on in the 2020 annual report.

Goal 2: The AWC's policy recommendations, advice, and tools are based on a multi-stakeholder perspective, and are responsive to water resources challenges and opportunities.

Performance Measure 2a: Percentage of projects completed in the timeline prescribed in the approved project terms of reference (ToR).

Target: 100%

Results: The target of 100% was met. One of the two active projects completed its work on schedule in accordance with the timelines prescribed in its ToR. A second team amended its ToR to address a delay that was out of its control.

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

Target: 85%

Results: This target was met but using a different approach. Instead of the typical AWC recommendations, the Protecting Sources of Drinking Water in Alberta Project Team produced a guide and supporting companion report by consensus to help various groups undertake source water protection planning across the province.

Goal 3: The AWC has an effective process for participants to discuss water resources management challenges and opportunities.

Performance Measure 3a: Percentage of directors satisfied that the AWC's processes give them an opportunity to discuss water resources management challenges and opportunities.

Target: 85%

Results: The target for this performance measure was met with 85% 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 completed in 2018 revealed no significant process gaps, and no gaps have been identified since. This performance measure requires that process gaps be identified before they can be addressed, so this performance measure may 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 sector groups 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 Government of Alberta (GoA) ministers and monitor the board's effectiveness and adherence to AWC policies and procedures. Along with board directors, they communicate with the media when required. As well, the executive committee leads communications, strategic, and business planning activities.

The executive committee had a busy year in 2019. The 2020 Operational Plan which lays out the workload for the upcoming year was approved, as was the new multi-year Communications Strategy, set to guide the AWC communications initiatives for 2020–2022.

The AWC celebrated its 15-year anniversary in 2019, and the executive committee set the program and agenda for the celebrations. Guests included current and past board members, staff, and others who have worked closely with the AWC since its inception. Celebrations were held at the Edmonton Federal Building in November, and included an address from the Honourable Jason Nixon, which was delivered by Deputy Minister Bev Yee. Executive members Jay White and Keith Murray looked back on the history and successes of the AWC over the past fifteen years, while Tanya Thorn recognized retiring AWC Directors and Alternates.

Board meetings in 2019 featured invitations to both member and non-member agencies to make presentations on work that was relevant and of interest to the AWC. This gave board members a chance to ask questions and gain new insights to help them remain abreast of current and emerging water issues in Alberta.

Project Teams

Two project teams, one long-term standing committee, and one new project were active in 2019. Their work is described below.

Building Resiliency to Multi-Year Drought

This team was established in March 2018 to produce a guide and workshop materials to assist WPACs as they engage municipalities and communities in their watershed to better plan for, mitigate, respond to, and recover from multi-year droughts. This work is expected to raise awareness about the triggers and risks associated with multi-year drought, provide resources to inform decision makers about drought response and recovery in Alberta, and improve access to relevant tools and resources.

In 2019 the team used the results of the literature review from Alberta and other selected jurisdictions and interviews to prepare a draft *Guide to Building Resiliency to Multi-Year Drought*. The guide provides information on drought and its impacts; lists key players and their roles and responsibilities related to drought; and strategies, tools, and resources to assist with drought planning. In addition to the draft guide, the team also produced supporting materials for use in a workshop format.

A pilot workshop to test the draft guide and the supporting materials was held in December 2019 and hosted by the Battle River Watershed Alliance. Participants provided feedback on the workshop delivery, the draft guide, and the supporting materials which will be incorporated into the final product deliverables.

This project is expected to be complete in June 2020.

Protecting Sources of Drinking Water in Alberta

Building on earlier work done by the Council, ToR to establish this team were approved in March 2018. The project team synthesized existing source water protection (SWP) practices, processes, and risks to drinking water sources in Alberta and documented complementary source water related initiatives. With the help of a consultant, the team examined SWP approaches and risk management models in selected jurisdictions to then identify successes, gaps, barriers, redundancies, and lessons learned. The findings were compiled into a companion report.

The project team also developed a separate *Protecting Sources of Drinking Water in Alberta: Guide to Source Water Protection Planning*. The guide provides advice on how to protect drinking water sources by developing a SWP plan. It is intended for public, private, and individual drinking water providers and key groups that they collaborate with (e.g., WPACs and WSGs). The guide includes six steps for creating a SWP plan. Each step offers key factors for success for drinking water providers to consider when undertaking this work, with related case studies, tools, and examples. A list of resources, methods used to identify wellhead protection areas, common practices, risks and risk management approaches, and legislation and policies related to SWP in Alberta are described in the supporting appendices.

The team completed its work in 2019, and the guide and companion document were approved by consensus with reservations from one sector at the table. These documents were publicly released in June 2020 and are available on the website.

Improving Drought Resilience in Alberta Through a Simulation

In June 2019, the AWC created a working group to develop ToR for a project to use a simulation to assist the GoA, communities, and other groups (e.g., WPACs, Alberta Irrigation Districts Association) to understand and plan for drought preparation and response.

Managing drought involves complex monitoring, decision making, and communication before, during, and after its occurrence to mitigate the impacts proactively and respond effectively. Thorough planning for droughts is often difficult without experiencing them and simulation exercises provide an opportunity to work through a scenario that closely mimics real life events; simulations can be a powerful tool to test management structures and communication strategies.

The working group met three times in 2019 to draft ToR for a project team to host a simulation. The ToR was approved and a project team was established by the AWC board at the February 2020 meeting.

Water for Life Implementation Review

One of the AWC's primary tasks is to steward implementation of the *Water for Life* strategy. This is done via the WFLIR 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 sixth review was started in 2019 and will cover implementation progress from 2016 to 2019. The committee is reviewing a range of relevant documents and collecting information from the GoA, provincial authorities, and non-government groups involved in implementing the strategy through an electronic survey and roundtable sessions.

This review committee has also been tasked with developing performance indicators to help determine the progress that has been made towards advancing outcomes for the key directions and goals outlined in the *Water for Life* strategy.

This review is expected to be completed in late 2020.

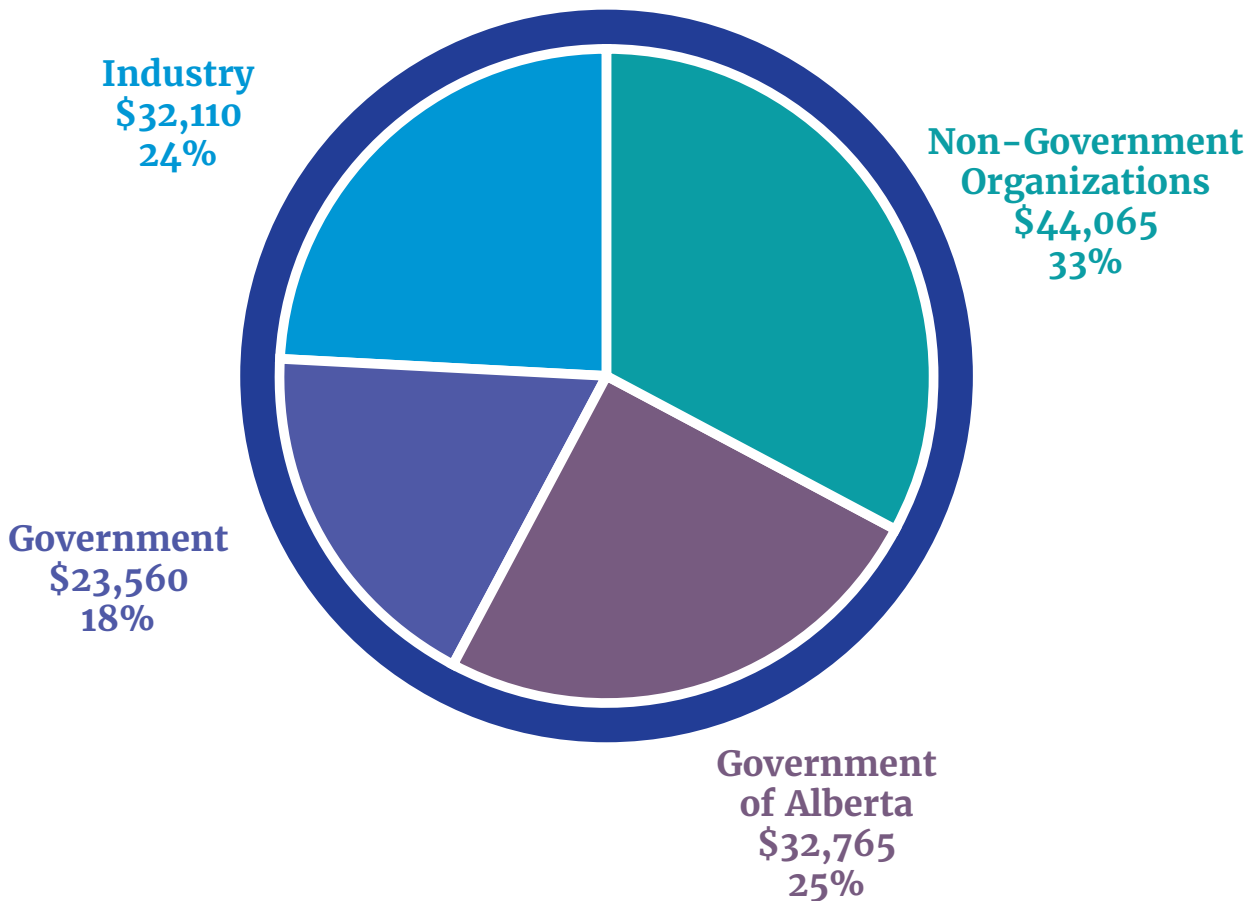
In-Kind Contributions

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 2019 amounted to 1733 hours, which represents about \$132,500 in donated time. The chart below shows in-kind cash equivalent contributions from the four sector groups. In addition, the GoA provided office space to the AWC in 2019.

The AWC gratefully acknowledges Alberta Environment and Parks for providing a generous grant which covers core operating expenses. The AWC also acknowledges the Alberta Forest Products Association and Aquality Environmental Consulting Ltd. for their contribution to the November 15-Year Anniversary celebration.

AWC 2019 IN-KIND



Organizations

The following organizations supported the AWC through their generous in-kind contributions in 2019. 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	First Nations Technical Services Advisory Group
Alberta Chamber of Resources	Fish Habitat Conservation Collective
Alberta Beef Producers	Heartland Generation
Alberta Energy	Imperial Oil Limited
Alberta Energy Regulator	Intensive Livestock Working Group
Alberta Environment and Parks	Land Stewardship Center of Canada
Alberta Forest Products Association	Lesser Slave Lake Watershed Council
Alberta Health	Métis Settlements General Council
Alberta Innovates – Clean Energy	Mighty Peace Watershed Alliance
Alberta Irrigation Districts Association	Milk River Watershed Council Canada
Alberta Lake Management Society	North Saskatchewan Watershed Alliance
Alberta Newsprint Company	Oldman Watershed Alliance
Alberta Urban Municipalities Association	Red Deer River Watershed Alliance
Alberta Wilderness Association	Rural Municipalities of Alberta
Athabasca Watershed Council	South East Alberta Watershed Alliance
Aquality Environmental Consulting Ltd.	South Peace Environmental Association
ATCO Power	Shell Canada Limited
Battle River Watershed Alliance	Town of Okotoks
Beaver River Watershed Alliance	Trout Unlimited Canada
Bow River Basin Council	TransAlta Corporation
Canadian Association of Petroleum Producers	Water Conservation Trust of Canada
Canadian Fuels Association	
Chemistry Industry Association of Canada	
City of Calgary	
City of Edmonton	
Crop Sector Working Group	
Ducks Unlimited Canada	
Environmental Law Centre	
EPCOR Utilities Inc.	

Other Resources

The AWC's reports and other materials can be obtained from the 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

- *2019–2021 Business Plan* (2018)
- *Looking Back: Evaluating Sector Improvements in Water Conservation, Efficiency and Productivity* (2017)
- *Recommendations to Improve Lake Watershed Management in Alberta* (2017)
- *Recommendations to Improve Water Literacy in Alberta* (2016)
- *Recommendations to Improve Aquatic Invasive Species Management in Alberta* (2016)
- *Riparian Land Conservation and Management* (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)
- *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, 2012–2015* (2017)
- *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)

Annual Reports

All AWC annual reports from 2004 to 2019 are available on the website.

AWC Videos

AWC videos are available at <https://www.awchome.ca/publications/videos/>

- *Droughts in Alberta: Learning from the Past and Planning for the Future* (2018)
- *Water Conservation, Efficiency and Productivity* (2017)
- *Water for Life Implementation Review* (2017)
- *Lakes in Alberta* (2016)
- *Water Literacy* (2014)
- *Aquatic Invasive Species* (2013)
- *Water Use Reporting* (2010)

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 <https://www.awchome.ca/projects/water-conservation-efficiency-productivity-1/>

Other Resources

Water for Life Strategy and Related Documents

A number of documents related to the *Water for Life* strategy are available online at <https://www.alberta.ca/water-for-life-strategy.aspx> and <https://www.alberta.ca/water.aspx>

Watershed Planning and Advisory Councils

- Athabasca Watershed Council, www.awc-wpac.ca/
- Battle River Watershed Alliance, www.battleriverwatershed.ca/
- Beaver Watershed Alliance, <https://www.beaverwatershedalliance.org/>
- Bow River Basin Council, www.brbc.ab.ca/
- Lakeland Industry & Community Association <https://lica.ca/watershed/>
- Lesser Slave Watershed Council, www.lswc.ca/
- Mighty Peace Watershed Alliance, www.mightypeacewatershedalliance.org/
- Milk River Watershed Council Canada, <http://www.mrwcc.ca/>
- North Saskatchewan Watershed Alliance, www.nswa.ab.ca/
- Oldman Watershed Council, <http://oldmanwatershed.ca/>
- Red Deer River Watershed Alliance, www.rdrwa.ca/
- South East Alberta Watershed Alliance, www.seawa.ca/

Other Alberta Resources and Websites

- Land Stewardship Centre, <http://www.landstewardship.org/our-work/>
- Alberta Innovates, Water Innovation Program, <https://albertainnovates.ca/programs/water-innovation/>
- Alberta Water Portal Society, <https://albertawater.com/>

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