


Alberta Water Council 2021 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-government organizations to advance the outcomes of *Water for Life*. It advises its members and others 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 (WPACs), and Watershed Stewardship Groups (WSGs). In November 2007, the AWC was 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 to discuss provincial water management issues. It submits reports and recommendations directly to its members and the public. However, the GoA remains accountable for implementing the *Water for Life* strategy and continues to administer water and watershed management activities throughout the province.

Alberta Environment and Parks (AEP) provides an grant to cover core operating costs, but the AWC is responsible for its own financial management. Office space and other operational support is also provided by the GoA. Financial information for fiscal year 2021 is available on the [AWC website](#).

About this Report

This is the AWC's 17th annual report. It summarizes activities for the calendar year 2021.

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Executive Summary

This annual report describes the activities of the Alberta Water Council (AWC) in 2021. The AWC publicly released documents in areas of drought resilience, *Water for Life* implementation, future risks to Alberta's water management system, and implementing Alberta's Wetland Policy. The Council's Operational Plan and Process Guidelines were updated in this year.

COVID-19 continued to influence 2021 business with project teams, ad hoc groups, working groups, and committees using virtual tools to support their work. Some water management issues were advanced using expedited timelines or through ad hoc groups. Activity in 2021 focused on the following projects:

- implementing the *Water for Life* strategy
- improving drought resilience
- source water protection
- Alberta's Wetland Policy
- Alberta's water management system

The Building Resiliency to Multi-Year Drought in Alberta Project Team produced a guide and workshop materials to support WPACs in engaging municipalities and communities in their watershed to plan for, mitigate, respond to, and recover from multi-year droughts. The *Water for Life* Implementation Review Committee completed its review of the strategy's progress from 2016 to 2019. The Alberta Water Futures Project Team identified the top future risks that may affect our water management system and assessed the system's readiness to respond to challenges and opportunities. The Wetland Policy Implementation Review Project Team highlighted potential performance measures for the goals, outcomes, and strategic directions of the Alberta Wetland Policy and described the challenges, opportunities, and unintended consequences experienced by sectors when implementing the policy. These documents were publicly released by the Council in 2021.

The Improving Drought Resilience in Alberta Through a Simulation Project Team continued to plan a simulation exercise. With the support of a consultant, the team compiled existing information, identified models and tools, and examined case studies from other jurisdictions. Terms of Reference (ToR) for the Source Water Protection Phase I: Risk Assessment Tools and Data Project Team were approved by the AWC in 2021. This team aims to develop a platform of tools and resources to assist drinking water providers and decision makers in Alberta to enhance their source water risk assessments and collaboration efforts.

New work was launched by the Council under the *Water for Life* banner. This initiative focused on scoping ToR for a project team to develop the next *Water for Life* Action Plan and would outline actions that AWC members and partners commit to undertaking to advance the goals of the strategy over the next 10 years.

The AWC continues to operate within its core budget; financial information about operations is available on the Council 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 and its publications and activities, please visit our website at www.awchome.ca.

Board Members

The following individuals served as board members and volunteered their time and expertise to advance the AWC's work this year. This list was current as of December 31, 2021.

Broad Category	Director	Alternate
Industry		
Chemical and Petrochemical	Rob Hoffman	Greg Moffatt
Cropping	Nevin Rosaasen	
Forestry	Dan Moore	Craig Werner
Irrigation	Margo Jarvis Redelback	Richard Phillips
Livestock	Jason Hale	Rawnauld Axelson
Mining	James Guthrie	Chris Fordham
Oil and Gas	Deanna Cottrell	Tara Payment
Power Generation	Ahmed Idriss*	Jim Hackett
Non-Government Organizations		
Environmental	Brian Deheer	Jaime Davies
Environmental	Jason Unger	
Environmental	Maureen Bell	
Fisheries Habitat Conservation	Silvia D'Amelio	
Lake Environment Conservation	Jay White*	Steph Neufeld
Watershed Planning and Advisory Councils	Morris Nesdole	Steve Meadows
Wetlands Conservation	Tracy Scott	Alain Richard
Government of Alberta and Provincial Authorities		
Alberta Agriculture, Forestry and Rural Economic Development	John Conrad	Jamie Wuite
Alberta Environment and Parks	Bev Yee	Tom Davis*
Alberta Health		Merry Turtiak
Alberta Innovates	Brett Purdy	Mark Donner
Other Government		
Large Urban	Nancy Stalker	Chandra Tomaras
Métis Settlements	Darren Calliou	
Rural	Paul McLaughlin	Tom Burton
Small Urban	Tanya Thorn*	Che-Wei Chung
Secretary-treasurer (ex-officio)	Andre Asselin*	

* Executive member as of December 31, 2021

The AWC gratefully acknowledges the contributions of the following individuals who stepped down in 2021:

Directors: Nissa Petterson, Keith Murray, Mark Brostrom, Carolyn Campbell

Alternates: Doug Sawyer, Fiona Briody, Bob Cameron



President's Message

Clean water supports Albertans' lives, economy, and well-being. Ensuring our water is well-managed requires a shared effort. I am grateful to lead the Alberta Water Council (AWC), which brings together diverse perspectives to discuss and resolve water management issues that matter to Albertans. Together, I know we can continue to contribute to the goals of the *Water for Life* strategy of ensuring safe, secure, drinking water; healthy aquatic ecosystems; and reliable supplies for a sustainable economy.

2021 was again a challenging year with the pandemic affecting our lives and preventing us from coming together, which has been a hallmark of the AWC's success. Nevertheless, our members once again rose to the challenge and completed important work. I was pleased to see the board-initiated work to develop the next ten-year *Water for Life* action plan, building on the findings of the *Water for Life* Implementation Review and Alberta's Water Futures reports. Our collaborative approach will thoughtfully guide our water management system into the future.

I appreciate the dedicated work of those who have taken the time to participate on project teams, working groups, ad hoc groups, and committees throughout the year. Your willingness to adjust to using remote meeting platforms and supporting online tools are key reasons for the AWC's continued success through this challenging time. I would also like to thank board members who stepped down from the Council in 2021 for their support and commitment. I would especially like to thank the Alberta Wilderness Association for their valued contributions to this organization since our inception in 2007, and its members who will support the work of the AWC in the background following their resignation from the board.

The coming year will again be full of challenges and opportunities, and I look forward to meeting them in a collaborative, productive, and timely manner with the Council's support.

Bev Yee

Executive Director's Message

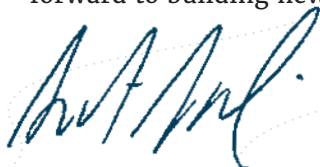
The 2021 Annual Report marks the Council's 14th year, which saw momentum, opportunities, and enthusiasm continue to build. Perhaps the biggest accomplishment this year was publicly releasing four reports from four different project teams. This was accomplished amidst a pandemic that warranted ongoing remote meetings. For some project teams, we adopted an expedited process to complete priority work. In other instances, an ad hoc group process was used to convene sectors to explore project ideas. While this has demonstrated areas of success, it has highlighted key lessons and areas for us to improve on.

Project teams, working groups, ad hoc groups, and committees are where most of the work gets done. In 2021, more than 150 individuals from 80 organizations across the province contributed their time and expertise to advance the Council's initiatives. Our final reports contained a diversity of deliverables ranging from sector perspectives to recommendations, with some recommendations directed to the Council. Although we track the hours and in-kind contributions from these individuals and their organizations, we know that the numbers are conservative. The AWC could not be effective without the commitment of our members, and for this we thank each and every one.

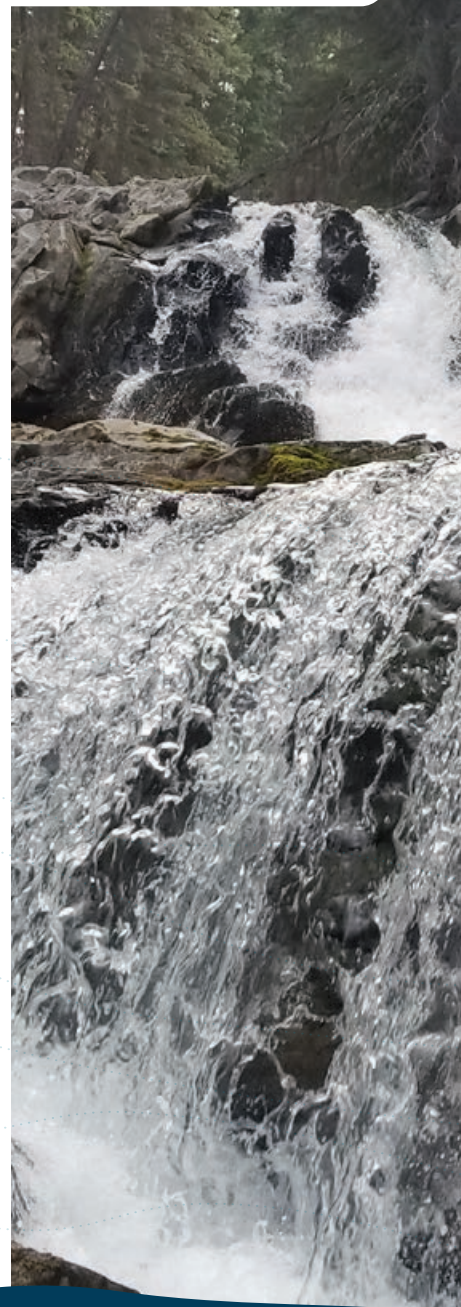
It was rewarding to see the AWC take on several strategic, interconnected, water management projects. The goals of the *Water for Life* strategy remain as important today as they were back in 2003. The Council's *Water for Life* Implementation Review 2016–2019 report's release provided a robust foundation, looking back at the progress and status of the strategy's actions. The subsequent Alberta Water Futures work that wrapped up in 2021 was future-focused, flagging the top risks, challenges, and opportunities that we need to prepare our water management system for. Collectively these strategic pieces triggered important questions about the state and resilience of the system. In response, a project idea from the GoA for the AWC to adopt a sector-based approach for informing the next iteration of the *Water for Life* Action Plan was approved in 2021. I look forward to seeing the outcomes of this important work.

One of the most rewarding aspects of my job as executive director is to share the Council's activities with others. In 2021, I had the privilege of attending and speaking at more than 20 remote events where I met many stakeholders from across Alberta and beyond. This included ongoing conversations with Indigenous partners. While we have opened the door to respectfully engage some Indigenous Peoples in our work, more can be done.

Our Council and staff are most appreciative of the countless hours of volunteer support and expertise that contribute to our achievements. I look forward to building new relationships in the coming year.



Andre Asselin





Our Team as of December 31, 2021

Executive Director

Andre Asselin

Operations Manager

Anuja Hoddinott

Project Managers:

Katie Duffett

Alec Carrigy

Jacqueline Noga

Scott Millar

Accountant

Sunny Yeung

The AWC acknowledges the contributions of project manager Lauren Hall who left the organization in 2021. She had been with the Council since April 2019.

Committee, Ad Hoc Group, Working Group, and Project Team Members

The following individuals contributed their time and expertise to AWC committees, ad hoc groups, working groups, and project teams in 2021. The AWC gratefully acknowledges their commitment and support. The AWC also thanks the many individuals from various partner groups who reviewed documents, responded to surveys, and volunteered their time in support of our activities.

Achyut Adhikar	Helge Nome	Nancy Stalker
Abdi-Siad Omar	James Guthrie	Nicole Pysh
Adam Norris	Jason Schneider	Nina Wang
Alain Richard	Jason Unger	Nissa Petterson
Allison Moeller	Jen Pouliotte	Norma Ruecker
Brett Purdy	Jenna Curtis	Pamela Duncan
Brian Brewin	Jennifer Nitschelm	Pat Currie
Brian Deheer	Jeremy Reid	Patrick Marriott
Brian Free	John Collins	Paul McLaughlin
Brian Hills	John Taggart	Phil Boehme
Cam Lane	Josee Methot	Rawnauld Axelson
Catriona White	Judy Stewart	Rob Harris
Carolyn Campbell	Kaylyn Buffalo	Ron Zurawell
Chandra Tomaras	Keith Murray	Rosey Radmanovich
Cheri Funke	Kristen Lorenz	Roxane Bretzlaff
Che-Wei Chung	Kyle Swystun	Sharlene Browne
Chris Gallagher	Latiya Northwest	Shelley Woods
Dan Moore	Lori Neufeld	Steph Neufeld
Danielle Koleyak	Margo Jarvis Redelback	Steve Wallace
Daryl McEwan	Marilea Pattison-Perry	Susanna Bruneau
Dave Trew	Mario Swampy	Tanya Thorn
Deanna Cottrell	Martina Krieger	Tara Payment
Dewly Nelson	Maureen Bell	Tim Romanow
Fiona Briody	Michael Wagner	Tom Davis
Greg Hale	Morna Hussey	Tracy Scott
Greg Moffatt	Morris Nesdole	Zahidul Islam
Harpreet Sandhu		

AWC Activities and Progress in 2021

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 2021 supported progress in all three core business areas, as reflected in the chart below. The areas of AWC activity for 2021 are described in more detail later in this report. A report on performance measures appears in the next section. Activities in 2021 maintained the intent and direction of the 2019–2021 Business Plan, which will be updated in 2022.

Core Business	Goal	Performance Measure	Areas of Activity in 2021
1. Advance the outcomes of <i>Water for Life</i>	1. Review and provide advice on the implementation of the <i>Water for Life</i> strategy	1. Percentage of the AWC members contributing to the <i>Water for Life</i> Implementation Review report, which is due 18 months after the period under review	<ul style="list-style-type: none"> ■ <i>Water for Life</i> Strategy's Implementation Review 2016–2019 ■ <i>Water for Life</i> Action Plan Renewal
2. Provide advice that informs policy or actions	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	2a) Percentage of projects completed in the timeline prescribed in the approved project ToR 2b) Percentage of issues identified by AWC project teams addressed with consensus recommendations	<ul style="list-style-type: none"> ■ Improving Drought Resilience in Alberta Through a Simulation ■ Source Water Protection Phase I: Risk Assessment Tools and Data ■ Wetland Policy Implementation Review ■ Alberta Water Futures
3. Provide a forum to discuss water perspectives	3. AWC has an effective process for sectors to discuss and resolve water management issues	3a) Percentage of directors satisfied that the AWC's processes give them an opportunity to discuss water resources management challenges and opportunities 3b) Percentage of identified process gaps being appropriately addressed within six months of coming to the AWC's attention	<ul style="list-style-type: none"> ■ Communications ■ Process guidelines regular review

The board continued to track annual progress in implementing its recommendations and reporting this to its members and partners. The next progress update will be prepared for the board early in 2022.

Evaluating and Measuring Performance

The AWC supports the tenet “what gets measured gets done.” It is important for the AWC to demonstrate to itself, collaborators, 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 eighth year the AWC is reporting on its performance in its annual report.

Setting Priorities

The 2019–2021 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 target of 90% was surpassed.

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 ToR.

Target: 100%

Results: The target of 100% was met.

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

Target: 85%

Results: Three Council reports were publicly released in 2021; *Water for Life* Implementation Review 2016–2019, Alberta Water Futures, and Wetland Policy Implementation Review. All 15 issues identified in the *Water for Life* review were addressed with consensus recommendations. The latter two reports provided advice on areas to improve and consider when taking subsequent actions on the aforementioned topics.



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 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 AWC's attention.

Target: 100%

Results: The AWC reviews its process guidelines on a three-year cycle. The most recent review occurred in 2021 and several new process additions (i.e., expedited team and ad hoc groups) were added.

Committees, Ad Hoc Groups, Working Groups, and Project Teams

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

Ad hoc groups are formed when the AWC decides that further discussion is needed by multiple sectors to determine if a suitable project idea exists. This usually involves preparing a statement of opportunity for the board to consider.

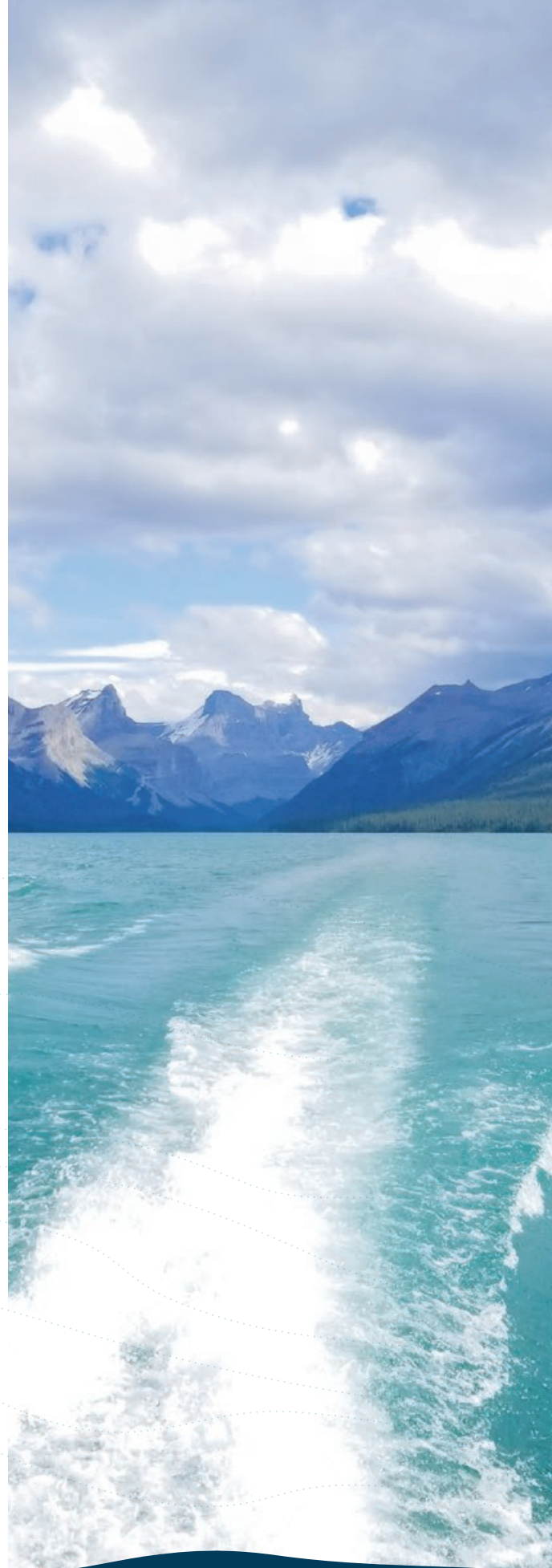
Committees are typically formed to deal with administrative matters and often carry on their work from year to year. Occasionally, a committee is formed for a specific activity.

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 ToR for a project team.

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

This section briefly describes the accomplishments of each committee, ad hoc group, 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 GoA ministers and monitor the board's effectiveness and adherence to AWC policies and procedures. Along with the board of directors, they communicate with the media when required. The executive committee also leads communications, strategic, and business planning activities.

As they continued meeting remotely, the executive committee had another busy year in 2021. They provided oversight on the 2022 Operational Plan, and led the review of the AWC's Process Guidelines, along with the process for the next cycle of business planning. The executive committee led meetings with the board throughout the year.

The executive committee monitored another year of reduced costs that was associated with the pandemic and the importance for members, partners, and staff to continue working remotely. Because of public health restrictions, board meetings continued to be half-day, remote meetings focusing on administrative items and team updates. This allowed board members an opportunity to stay informed, ask questions, and propose new ideas on water management challenges and opportunities in Alberta.

Water for Life Implementation Review Committee

A key task of the AWC is to steward implementation of the *Water for Life* strategy. This is done through the *Water for Life* Implementation Review Committee, which convenes every few years to review implementation progress and provide strategic 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 commenced in 2019 and wrapped up in early 2021. The committee reviewed a range of relevant documents and collected information from the GoA, provincial authorities, and non-government organizations involved in implementing the strategy through an electronic survey, roundtable sessions, and some interviews. Additionally, they worked with a consultant to develop a suite of performance indicators to determine the progress that has been made towards advancing outcomes for the key directions and goals outlined in the *Water for Life* strategy.

The final guide and its supporting materials were approved by the AWC board in February 2021 and publicly released in June 2021.

Ad Hoc Groups, Working Groups, and Project Teams

Alberta Water Futures Project Team

At the November 2020 board meeting, the Council approved forming an expedited project team (i.e., one that adopts condensed timelines) to explore potential future challenges and opportunities facing Alberta's water management system. The project was five months in duration, from inception to final approval.

The project identified the top future risks that may affect Alberta's water management system over the next 10 years and assessed its readiness to respond to those emerging challenges and potential opportunities. The project team assessed the strengths and weaknesses of the current water management system and the ability of the system to handle likely environmental, economic, and community challenges into the future. From this work, the team identified four overarching risks and described the interaction of those risks before suggesting key considerations for improving the resilience of the water management system.

The final report was approved by the AWC board in June 2021 and publicly released shortly after.



Wetland Policy Implementation Review Team

The Council also approved another expedited project team at their November 2020 meeting. This team would identify potential performance measures for the goal, outcomes, and strategic directions of the Alberta Wetland Policy. It would also describe the challenges, opportunities, or unintended consequences experienced by sectors when implementing the policy.

Project tasks promptly commenced afterwards and aimed to:

- determine the potential performance measures, challenges, opportunities, and unintended consequences for the policy goal, outcomes, and directions;
- seek cross-sector perspectives on the proposed performance measures and on implementation challenges, opportunities, and unintended consequences to supplement project team perspectives; and
- describe performance measures for the policy goal, outcomes, and directions, and prioritize across sector perspectives to identify potential priority.

The final report was approved by the AWC board in June 2021 and publicly released shortly after.

The Alberta Water Futures and Wetland Policy Implementation Review projects provided a unique opportunity to pilot a new, expedited process for executing projects. The process proved to be a valuable learning opportunity for AWC staff, board members, and partners.

Improving Drought Resilience in Alberta Through a Simulation Project Team

This project Team will facilitate a simulation to assist the GoA, municipalities, Indigenous communities, and other groups to understand and plan for drought preparation and response, including mitigation, monitoring, decision-making, and communication before, during, and after a drought.

In 2020, the project team retained a consultant to compile existing information on drought management resources, roles and responsibilities, regulations, metrics, thresholds, indicators, and responses in Alberta and other jurisdictions. The consultant also identified models and decision support tools and reviewed methodology options for the simulation exercise. With these findings, the team commenced planning the logistics for the simulation — this included hosting a practice simulation with AWC staff and project team members to test strengths and determine any gaps for improving the exercise. The simulation exercise will likely be held in 2022 contingent on public health restrictions.

The project is expected to wrap up in 2023.

Source Water Protection Phase I: Risk Assessment Tools and Data Project Team

In 2018, the Council established a project team to provide guidance on protecting sources of drinking water in Alberta. The project included surveying drinking water providers and assessing practices, processes, risks, and initiatives in Alberta. The results of the project supported developing a Guide to Source Water Protection Planning and the Protecting Sources of Drinking Water in Alberta Companion Document. The guide lays out six steps to help drinking water providers develop source water protection (SWP) plans in collaboration with other key groups in their source water area. The companion report summarizes information to be considered when protecting public, private, and individual drinking water sources in Alberta. The previous project found that while communities

have voluntarily developed SWP plans and some tools exist in Alberta to support this, more efficient and timely access to data to support the risk assessment process is necessary.

At the February 2021 board meeting, AWC members launched a project team to build on the steps to SWP planning outlined in the Guide, specifically Step 1, “Involve key groups and create a vision” and Step 2, “Characterize your Source Water Area.”

This project is intended to address the gap in source water characterization through the development of a web-based tool that brings together the data (land use/cover, stressors, water quality, and water quantity) and allows the assessment of the current state of source water supply and quality as well as the assessment of how land use activities currently and could affect drinking water sources. The project will also include pilot sessions to test and review materials with users of the web-based tool, as well as developing educational resources to assist in the use of the web-based tool (e.g., videos, webpages, tutorials).

The project is anticipated to wrap up in February 2023.

Water for Life Action Plan Working Group

In November 2021, the Council established a working group to scope ToR for the renewal of the *Water for Life Action Plan* by the AWC. This project is intended to identify practical and effective actions that Council sectors and other *Water for Life* partners could undertake to advance the goals of the strategy over the next 10 years (i.e., 2022–2032).

Building on the work of the previous AWC’s *Water for Life Implementation Review 2016–2019* and the *Alberta Water Futures* reports, this project would adopt a sector-based approach to foster collaboration from members and partners to plan actions under a new multi-sector *Water for Life Action Plan*.

The project is anticipated to wrap up in late 2022.



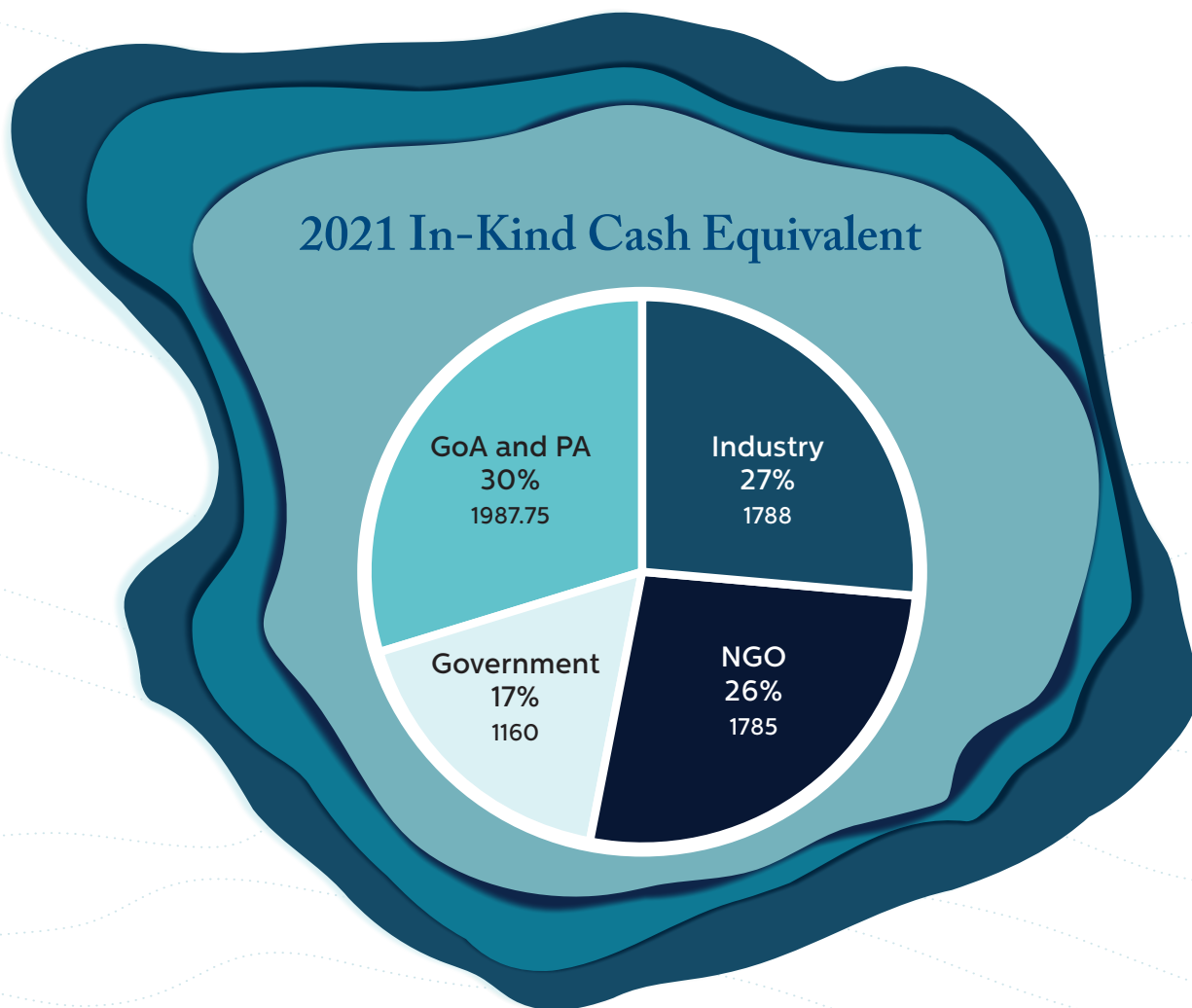
Cash and In-Kind Contributions

In-kind support is a cornerstone of the AWC's ability to address complex water management issues and is extremely valuable in completing its work. Industry, governments, 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 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 2021 amounted to 6,720.75 hours, which represents about \$672,075 in donated time.

The chart below shows the in-kind cash equivalent contributions from the four sector groups. In addition, the GoA provided office space to the AWC in 2021.

Cash contributions are also critical to the success of the organization. The AWC gratefully acknowledges AEP for providing a generous grant which covers core operating expenses. And a grant from Alberta Innovates in support of the Improving Drought Resilience in Alberta Through a Simulation Project Team's work is also greatly appreciated.

The AWC is grateful for all the generous contributions from its members and partners.



Organizations

The following organizations supported the AWC through their generous in-kind contributions in 2021. 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, Forestry and Rural
Economic Development

Assembly of First Nations Alberta Association

Alberta Beef Producers

Alberta Chamber of Resources

Alberta Conservation Association

Alberta Energy Regulator

Alberta Environment and Parks

Alberta Environmental Network

Alberta Forest Products Association

Alberta Health

Alberta Innovates — Clean Energy

Alberta Irrigation Districts Association

Alberta Lake Management Society

Alberta Newsprint Company

Alberta Municipalities

Alberta Wilderness Association

Athabasca Watershed Council

Aquality Environmental

Battle River Watershed Alliance

Bow River Basin Council

Bow River Irrigation District

Canadian Association of Petroleum Producers

Canadian Fuels Association

Canadian Natural Resources

Capital Power

Chemical Industry Association of Canada

Chevron Canada Resources

City of Calgary

City of Edmonton

Crop Sector Working Group

Ducks Unlimited Canada

Environmental Law Centre

Fish Habitat Conservation Collective

Heartland Generation

Imperial Oil

Intensive Livestock Working Group

Keepers of the Athabasca

Lakeland Industry and Community Association

Milk River Watershed Council Canada

Mighty Peace Watershed Alliance

North American Waterfowl Management Plan

Nipiy Committee, Samson Cree Nation

Red Deer River Watershed Alliance

Rural Municipalities of Alberta

Shell Canada

South East Alberta Watershed Alliance

Suncor Energy Inc.

Taber Irrigation District

Town of Black Diamond

Town of Hinton

Town of Taber

Town of Sundre

TransAlta Corporation

Trout Unlimited Canada

Water Conservation Trust of Canada

West Fraser

Other Resources

The AWC's reports and fact sheets can be obtained from our website or upon 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

- 2010–2013 Business Plan (2010)
- 2014–2016 Business Plan (2014)
- 2019 –2021 Business Plan (2019)
- Alberta Water Futures: Risks and Opportunities for Water Management Perspectives Report (2021)
- Alberta Wetland Policy Implementation Review Perspectives Report (2021)
- Building Resiliency to Multi-Year Drought in Alberta: Tools for Small Urban and Rural Municipalities Guide (2021)
- Building Resiliency to Multi-Year Drought in Alberta: Tools for Small Urban and Rural Municipalities Companion Report (2021)
- Consensus Decision-Making Toolkit (2010), published with the Clean Air Strategic Alliance
- Healthy Aquatic Ecosystems – A Working Definition (2008)
- Intra-Basin Water Movement Inter-jurisdictional Research Report (2008)
- Intra-Basin Water Movement: Major Principles and Recommendations (2008)
- Looking Back: Evaluating Sector Improvements in Water Conservation, Efficiency and Productivity (2017)
- Moving from Words to Actions – Recommendations to improve communication, coordination and collaboration between and among Water for Life partnerships (2011)
- Protecting Sources of Drinking Water in Alberta: Companion Report (2020)
- Protecting Sources of Drinking Water in Alberta: Guide to Source Water Protection Planning (2020)
- Provincial Ecological Criteria for Healthy Aquatic Ecosystems: Recommendations from the Alberta Water Council (2009)
- Recommendations for a New Alberta Wetland Policy (2008)
- Recommendations for a Watershed Management Planning Framework for Alberta (2008)
- Recommendations for an Alberta Wetland Policy Implementation Plan (2008)
- Recommendations for Improving Alberta's Water Allocation Transfer System (2009)
- Recommendations for Water Conservation, Efficiency and Productivity Sector Planning (2008)
- Recommendations to Improve Aquatic Invasive Species Management in Alberta (2016)
- Recommendations to Improve Lake Watershed Management in Alberta (2017)
- Recommendations to Improve Non-Point Source Pollution Management in Alberta (2013)
- Recommendations to Improve Water Literacy in Alberta (2016)
- Recommended Projects to Advance the Goal of Healthy Aquatic Ecosystems (2009)
- Review of Implementation Progress of Water for Life, 2004/2005 (2005)
- Review of Implementation Progress of Water for Life, 2005–2006 (2007)

- *Review of Implementation Progress of Water for Life, 2006–2008* (2009)
- *Review of Implementation Progress of Water for Life, 2009–2011* (2011)
- *Review of Implementation Progress of Water for Life, 2012–2015* (2017)
- *Review of Implementation Progress of Water for Life, 2016–2019* (2021)
- *Riparian Land Conservation and Management* (2014)
- *Sector Planning for Water Conservation, Efficiency and Productivity* (2013)
- *Strengthening Partnerships: A Shared Governance Framework for Water for Life Collaborative Partnership* (2008)
- *Water Conservation, Efficiency and Productivity: Principles, Definitions, Performance Measures and Environmental Indicators* (2007)
- *Water for Life, Recommendations for Renewal* (2008)
- *Water Policy Issues and Gaps* (2007)
- *Water Research Strategy* (2006), published by the Alberta Science and Research Authority

Annual Reports

- AWC annual reports from 2004 to 2021 are available on the [website](#).

AWC Videos

AWC videos are available at <https://www.awchome.ca/Publications/Webinars/tabid/168/Default.aspx>

- *Guide to Source Water Protection Planning in Alberta: How to Video* (2020)
- *AWC Process* (2018)
- *AWC 1010* (2018)
- *Source Water Protection in Alberta* (2018)
- *Droughts in Alberta* (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 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 <https://www.alberta.ca/water-for-life-strategy.aspx>

Watershed Planning and Advisory Councils

- Athabasca Watershed Council, www.awc-wpac.ca
- Battle River Watershed Alliance, www.battleriverwatershed.ca
- Bow River Basin Council, www.brbc.ab.ca
- Lakeland Industry and Community Association, lica.ca
- Lesser Slave Lake Watershed Council, www.lswc.ca
- Mighty Peace Watershed Alliance, www.mightypeacewatershedalliance.org
- Milk River Watershed Council Canada, 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 of Canada, www.landstewardship.org/enable/programs/watershed-stewardship-grants
- Alberta Innovates, <https://albertainnovates.ca>

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