

SUMMER 2025

# GO with THE FLOW

THE OFFICIAL PUBLICATION OF THE ATLANTIC CANADA WATER AND WASTEWATER ASSOCIATION



## 2025 ACWWA ANNUAL CONFERENCE

October 5-7 | St. John's, NL

### INSIDE:

- Upcoming ACWWA Courses
- Award Nominations Open for 2025!



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WATER & WASTEWATER ASSOCIATION



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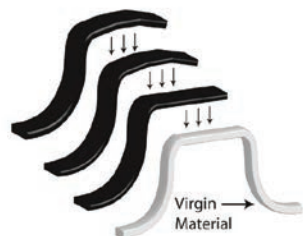


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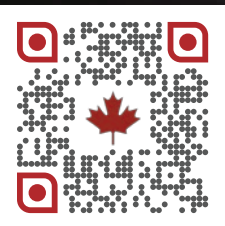
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### On the cover:

The scenic Battery neighborhood in St. John's, Newfoundland.  
dreamstime.com



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## It's time!

**H**i everyone. I hope you are able to enjoy the well-deserved change in the weather that the summer has brought. As I write this message, flowers and seedlings are coming up fast. Our front lawn has been transformed into a vegetable garden over the last few years and it has been great to be able to enjoy the harvest from our home-grown crops.


I wanted to mention that there are scholarships that are available from ACWWA. The application process is so simple. Free money!

The ACWWA Annual Conference is just around the corner. It will be held in St. John's, NL from October 5 to 7. Registration opened in early June, and hopefully you are able to get accommodations. The conference planning is well in hand and we are hopeful that this conference will be well attended. You will see the program and conference details in this magazine. I would like our

**"I would like our members to consider sending young professionals (emerging leaders) to this conference!"**

members to consider sending young professionals (emerging leaders) to this conference! Our future is literally in their hands!

The organizers have done a bang-up job of putting together a rich technical program, great trade show, and networking/social activities. Don't forget to bring your running shoes for the fun run/walk!

Have a great summer. Be safe and I hope to see you in St. John's! 



## THE PANEL SHOP

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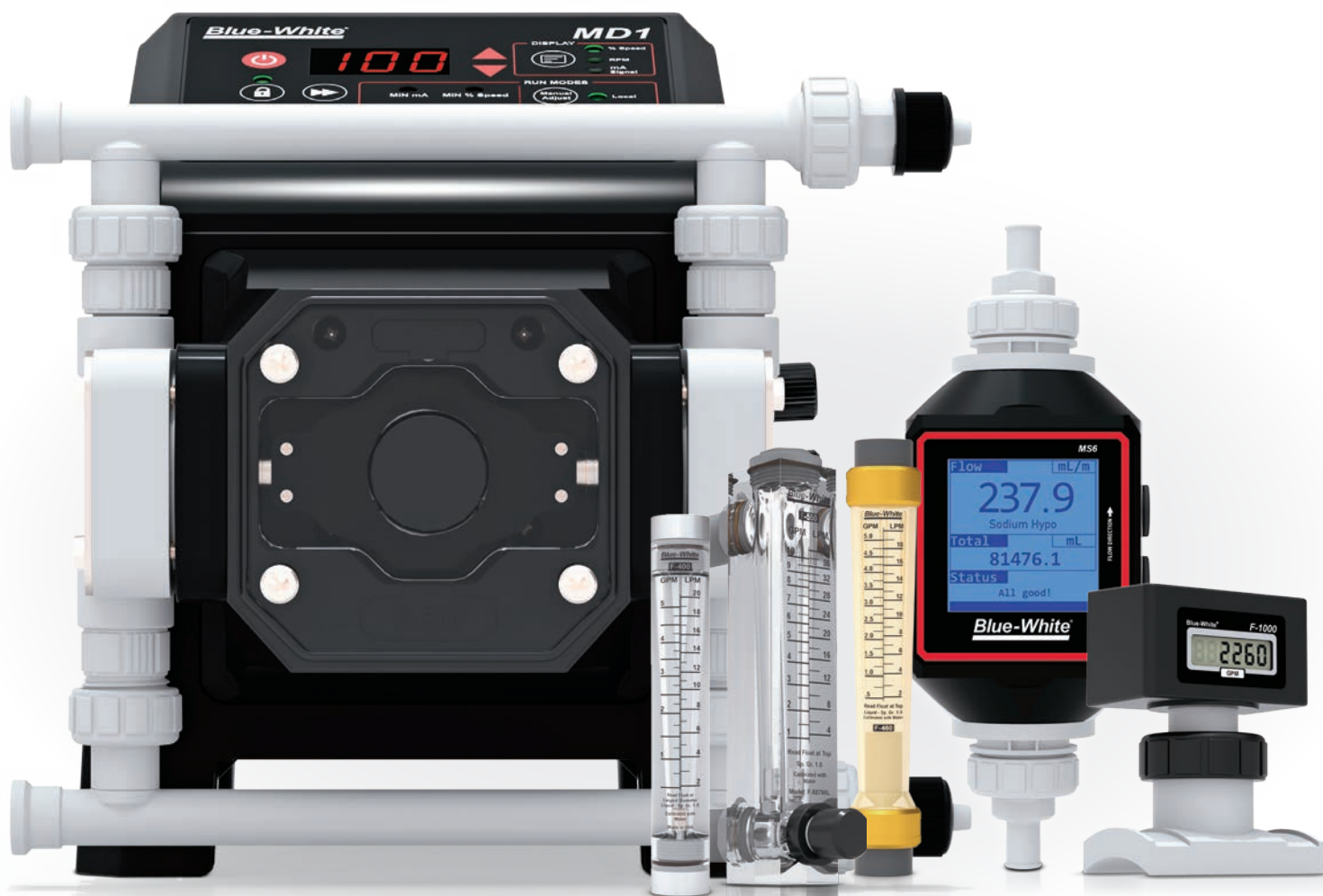
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## Collaboration is key

The theme of my last two magazine articles was resiliency. With the uncertainty of tariffs looming over the water industry as well as other geopolitical uncertainty, utilities need to be more prepared and resilient than ever. With the shift away from procuring goods and services from the United States, which in some cases includes membership in American based professional associations, both utilities and individuals have been struggling with their decision whether to continue supporting AWWA either voluntarily or as a result of directives from their municipalities or companies. AWWA knows how serious of concern this is. In an email sent in April, AWWA assured Canadian members that they are working with the Canadian Sections to find a solution to maintain connection with Canadian members. AWWA recognizes our importance and the contributions that Canadian members provide to AWWA, as well as the warm professional and personal relationships that Canadian and

American members have developed through many years of collaboration. If anyone has concerns or issues about continuing their membership with, I encourage you to reach out to AWWA to discuss.

Looking ahead to the fall, the ACWWA Annual Conference will be held in St. John's from October 5 to 7. The conference organizers are doing a great job to ensure that this will be a top-notch conference. The technical program is already looking very strong. AWWA Vice President Rebecca Venot, from the Alaska AWWA Section, will be our visiting representative from AWWA and she is very excited about getting to visit St. John's for the first time. I hope to see you all there.

The *Journal AWWA* is always looking for Canadian content. If you are interested or know of someone who may be interested in writing an article for the journal about an interesting project or water-related initiative, please reach out to discuss the process for submitting an article. 📧

"AWWA recognizes our importance and the contributions that Canadian members provide to AWWA, as well as the warm professional and personal relationships that Canadian and American members have developed through many years of collaboration."





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## Keeping you informed

**T**he role of government relations director includes providing liaison to the ACWWA Board of Directors from both the ACWWA Government Affairs Committee (GAC) and the Canadian Water and Wastewater Association Board.

### Government Affairs Committee

The Government Affairs Committee has been working on a few items of interest for our membership. The item that is furthest along is the development of a presentation on the current status of PFAS in Atlantic

Canada, that will be delivered at the upcoming ACWWA conference in St. John's. As reported previously, in August of 2024, a draft objective of 30 nanograms (ng) per litre (L) for the sum of total per- and polyfluoroalkyl substances (PFAS) detected in drinking water was published.

The impact that these objectives has had in our four Atlantic provinces has varied, but all have initiatives underway to better characterize the PFAS issue in our region. The presentation at the conference will summarize these efforts to date.

### CWWA activities

The Canadian Water and Wastewater Association (CWWA) continues to be active keeping members informed on national issues, facilitating national dialogue and information sharing, and advocating for the water and wastewater sector on the national and international scene. Some of the current initiatives include:

**US tariffs:** The introduction of US tariffs and then the retaliatory tariffs from Canada are the foremost concern for the entire country, and very much so for our water/wastewater sector. There are concerns over the cost

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implications to utilities that depend on US suppliers for operations and for the large infrastructure projects underway or already approved. There are also concerns for Canadian private sector firms that provide critical supplies and equipment into the US.

CWWA, along with regional association partners across Canada, issued two letters on this topic. The first was to the Minister of Finance asking that the water sector be recognized as a critical sector and, therefore, exempt from tariffs. The second letter was to our US counterparts at AWWA and WEF asking them to request a similar exemption from their side. No response from our federal government yet, but they are in the earliest stages of trade negotiations. AWWA and WEF acknowledged our request and are looking to gather more concrete data on the impact these tariffs are having on their members before taking any position.

**CWWA Committee updates:** The CWWA Drinking Water Quality Committee is always busy responding to reviews for Health Canada and the Canada Drinking Water Guidelines. The item garnering the most attention is PFAS as Health Canada has released revised guidelines with an “Objective Value” rather than a “Maximum Allowable Concentration.” The CWWA committee has been providing submissions to Health Canada on this matter, and others. The committee is updating its Fact Sheet on PFAS to advise our members.

The CWWA Utility Leadership Committee is focussing on the larger issues of resilience and catastrophic recovery. It seemed the show-stealer at the National Conference last November was the panel presentation by Calgary, Montreal, Vancouver, and Iqaluit on the major infrastructure failures – discussing response and public communications. This year, the committee is looking at how we best prepare for such failures.

On the resilience front, CWWA's Climate Change Committee has prepared an excellent new series on Actions for Climate Change with helpful guidance for utilities. This newest report is available on the CWWA website.

CWWA's Flushability Committee continues to work toward the recognition of a formal Canadian Standard on Flushability. The CWWA Board adopted a Position Paper on Flushability, thus recognizing the IWSFG-PAS3 standard (a standard developed by global wastewater associations). City of Fredericton, with letters of support from Halifax, Saint John, the Atlantic Water & Wastewater Association and the Western Canada Water & Wastewater Association, has made an application to the

AWWA Standards Council to take this on – and if accepted, they would do so at no cost. This would then be used by CWWA, WEF, and NACWA to argue for enforceable legislation in each jurisdiction.

### Events

*Window on Ottawa* has been CWWA's longest running event and was considered our signature event. Now a virtual event, we will run the Window as a series of webinars this spring and summer. Stay tuned for announcements.

*National Water and Wastewater Conference 2025 – Victoria, November 2–5:* All is looking good for another successful national event set for Victoria, BC. This conference has the potential to be a big one as many professionals will not be attending the large US conferences this year. 🌊



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## Summer membership news

Welcome to the following new members:

Name	Organization	Membership
Mark Buckingham	City of Miramichi	AWWA
Martin Kehoe	Municipality of the County of Kings	AWWA
Kim Mahar	Municipality of the County of Kings	AWWA
Mark Sargeant	Municipality of the County of Kings	AWWA
Patrick Lewis	Municipality of the County of Kings	AWWA
Ben Shaw	Municipality of the County of Kings	AWWA
Jeremy Sharpe	Municipality of the County of Kings	AWWA
Chris Rawding	Municipality of the County of Kings	AWWA
Devin Davidson	Municipality of the County of Kings	AWWA
Bryttyn Stokes	Town of New-Wes-Valley	AWWA
Eric Ladovich	Scotia Tech/Aqua Data	AWWA
Ryan Barrette	Scotia Tech/Aqua Data	AWWA
Jennifer Jackman		AWWA
Lahouari Sellami	City of Campbellton	AWWA
Mariem Abdellatif	Dalhousie University	AWWA
Paul Cole	QM Construction	AWWA
Christopher Crowley	Saint John Water	AWWA
Christian Vienneau		WEF
Brady Simonson	North Shore Micmac District Council Inc.	WEF



As of May 23, 2025

Total AWWA active members: **410**

Total active WEF members: **104**

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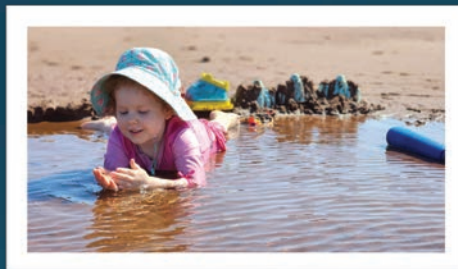


## 2025 ACWWA Photo Contest

Must be water-focused and may include family, pets, or a scenery taken within Atlantic Canada



1<sup>st</sup> Runner Up -2024  
Aaron Boudreau  
Halifax Water



Top Prize -2024  
Shawn Burke  
Englobe Corp.



2<sup>nd</sup> Runner Up -2024  
Daniel Martin  
City of St. John's, NL

### Rules and Criteria:

- 1) Photo must be submitted by an ACWWA Member.
- 2) Photo must water-focused and may include a family member(s) and/or pet(s) or scenery taken within Atlantic Canada.
- 3) Please provide first name of those in photo.
- 4) Unlimited Submissions. Only one winning picture per member.
- 5) Judged by ACWWA Board.
- 6) Deadline for submission is September 5th, 2025.
- 7) Submit pictures or questions to julie.stokes@moncton.ca.



Top prize - \$250 gift card of your choice  
Second place prize - \$150 gift card of your choice  
Third place prize - \$100 gift card of your choice





## Upcoming events


**Attention:** For those of you with recent graduates, the ABEA offers four x **\$1,000 academic scholarships** annually to individuals who meet the application criteria. In keeping with the spirit of the ABEA: "The object of the association is to encourage and stimulate the exchange of ideas concerning water supply systems between members of the association and between members of the ACWWA and other bodies/persons having similar interest, the ABEA will annually be awarding up to 4 scholarships of \$1,000 to a first-year entrant into a college or university program." Visit [www.ABEA.biz](http://www.ABEA.biz) for application and eligibility criteria. Submissions are still being accepted!

The **2025 ACWWA Annual Conference** is being held October 5–7 in St. John's, NL. Here are the ABEA highlights:

**The Annual Golf Tournament** is being held Sunday, October 5 at GlenDenning Golf Course: [www.glendenninggolf.ca](http://www.glendenninggolf.ca). If you would like to leave the clubs at home and arrange for rentals, feel free to reach out to the course and book a set by phone: 709-368-4747. Transportation will be provided – we look forward to a hearty bunch joining us this year and matching or exceeding last year's number.

The **Monday evening ever-popular Hospitality Night** will be held at O'Reilly's Pub from 8:00 pm – 1:00 am. Nibbles and entertainment for all ages and palates. Come meet up with your friends or make some new ones. If you are interested in getting a seat before the crowd arrives you may want to explore dinner options ahead of the entertainment.

The Main Event – **Trade Show** – will be held on Tuesday from 10:00 am – 2:00 pm in the St. John's Convention Centre; lunch will be served during the event. Come see what's new in the industry to solve your most troublesome problem.

Education is always a hot topic, and our membership continues to find ways to assist their customers with creative delivery methods to keep them informed of changes in the industry. If you have a need, please feel free to reach out. 

### Current ABEA Board:

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 Junior Director – Sean Hogan – Soleno  
 Junior Director – Noah Brace – EMCO (NL)  
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IDEXX	Westlake Pipe
Ipex	Wolseley
John Brooks	Xylem

Contact information for our members, and applications for our Scholarship and Grant Program can be found at

[www.abea.biz](http://www.abea.biz)





# Q & A



GENERAL MANAGER - TRANSAQUA  
Greater Moncton Wastewater Commission

## WITH KEVIN RICE

### **Q: CAN YOU TELL US A LITTLE ABOUT THE HISTORY AND OPERATIONS OF TRANSAQUA?**

**A:** The Greater Moncton Sewerage Commission (GMSC) was created in 1983 in consultation with the three municipalities and the Government of New Brunswick. The GMSC was then mandated to implement the Master Plan as laid out in the study. From 1983 to 1995, the GMSC oversaw the construction of a 31-km network of collector sewers intercepting more than 80 untreated outfalls; the construction of a major pumping station at the WWTF along with eight remote WWPS's; implementation of a chemically enhanced primary treatment system; and implementation of a long-term sustainable Biosolids Management Program with a new innovative composting system.

### **Q: IN 2014 GMWC ADOPTED THE NAME TRANSAQUA; HOW DOES THIS NAME REFLECT THE ORGANIZATION'S VISION FOR THE FUTURE AND HOW HAS IT HELPED SHAPE OPERATIONS OVER THE PAST DECADE?**

**A:** In 2012, the Commission underwent comprehensive structural changes to

its board and management structure to improve its transparency, accountability, and operations. These changes resulted in significant improvements to benefit the Commission and ratepayers for years to come. The Greater Moncton Sewerage Commission changed its corporate name to the Greater Moncton Wastewater Commission (GMWC) in 2014 and introduced a new business name, TransAqua. Both these initiatives were a result of a comprehensive branding exercise. After 30 years, the Commission wanted to move away from concentrating on what goes into the pipe, i.e., sewage, and concentrate on what came out of the other end – highly treated wastewater that meets the Wastewater Systems Effluent Regulations by the end of 2020. TransAqua better conveys what the Commission does: Trans (reinforces the transformation process) and Aqua (reinforces the water focus). The catchy tag line 'TransAqua – transforming wastewater back to nature' refers to the Petitcodiac River and its ecosystem. Our employees understand the big picture of what we must do to help the environment, and the important role wastewater treatment play in public health and safety.

### **Q: IN 2017 TRANSAQUA BEGAN A \$90.4M WWTF UPGRADE AND MODERNIZATION PROJECT. CAN YOU SPEAK TO THE SUCCESS OF THIS EXTENSIVE PROJECT?**

**A:** TransAqua began upgrading its chemically enhanced primary wastewater treatment process in 2017 into a secondary biological treatment process to meet federal effluent regulations by the end of 2020. TransAqua awarded a publicly tendered contract to a general contractor valued at \$12,250,000 in 2017. When the project schedule fell significantly behind combined with poor quality construction, TransAqua decided to assume the role of general contractor to complete the remainder of the upgrade project. TransAqua's Wastewater Engineer and Lead Operator acted as the project management team. There were several creative methods used to successfully complete this project. TransAqua managed the purchase of major equipment without incurring significant markups from contractors. The project's Risk Register that included mitigation measures was developed and referred to often. TransAqua entered into Master Service



Agreements based on the results of a publicly issued Request for Qualifications with Mechanical and Electrical, Civil Site Works and Metal Fabrication contractors.

We effectively managed COVID-19 by shutting down the construction site for three weeks to implement a pandemic and vaccine policy and site protocol to ensure the health and safety of all site personnel. We conducted careful planning and monitoring of equipment delivery times to coincide with the construction schedule, which became especially important as delivery times extended during the pandemic. TransAqua developed strong relationships with the construction contractors to ensure enough skilled trade workers were on site to meet the construction schedule. We successfully negotiated a Collective Agreement with TransAqua's unionized employees.

The procurement and installation of a 'megadome' structure where the Sludge Handling Building and the Blower Building were constructed throughout the winter months of 2018 and 2019 allowed the construction schedule to be met. TransAqua was fortunate to have personnel with the right skills who are driven and motivated to protect the environment. The project was completed on time to meet federal effluent regulations and came in under budget.

**Q: TRANSAQUA'S HOLISTIC APPROACH TO WASTEWATER TREATMENT INCLUDES THE COMPOSTING OF BIOSOLIDS. HOW DOES TRANSAQUA'S BIOSOLIDS FOR PUBLIC AND AGRICULTURE PROGRAMS PROVIDE VALUE FOR SURROUNDING COMMUNITIES?**

**A:** TransAqua believes in the beneficial reuse of biosolids as a valuable resource providing nutrients to increase soil health. TransAqua has been composting its biosolids since late 2005. Our compost meets the CCME's Category A standards and must be authorized by the Province of New Brunswick prior to being available to the public.

TransAqua is the only public organization in New Brunswick that composts municipal

biosolids as opposed to trucking and disposing biosolids at a private sector composter at a higher expense. It processed 11,233 tonnes of biosolids in 2020 and, because of the WWTF upgrade and modernization project, produced 20,892 tonnes of biosolids in 2024.

TransAqua provides approved compost to the public for free to those who wish to self-load, including the communities of Moncton, Dieppe, and Riverview. Compost is available to landscapers and contractors for a nominal fee. In 2024, the Biosolids for Agriculture Program was initiated to provide free compost to farmers as a pilot program. By the end of 2024, all approved compost was reintroduced back into the community with the public receiving over 50% of the compost and the rest going to the farmers.

**Q: TRANSAQUA'S STRATEGIC PLAN INCLUDES A FOCUS ON ACHIEVING ENVIRONMENTAL SUSTAINABILITY THROUGH ENERGY MANAGEMENT AND GREEN ENERGY SOLUTIONS. CAN YOU SPEAK TO TRANSAQUA'S CURRENT ENERGY MANAGEMENT PROGRAM AND THE PROGRAM'S FUTURE GOALS?**

**A:** TransAqua developed an Energy Management Program that is aligned with the ISO50001: 2018 (E) principles. TransAqua has an Energy Management Policy, Strategy, annual GHG assessment, and a newly created Energy Management Information System that allows the ability to track project impacts on energy reduction.

TransAqua conducted feasibility studies for wind, solar, turbine and wastewater heat recovery projects between 2009 and 2024. The wastewater heat recovery project is the only one to provide a positive business case, so this \$3.01 million project will be constructed and commissioned in 2025. It will reduce the heating and cooling energy consumption and GHG's within the dewatering, sludge handling, UV disinfection, and biosolids load out buildings by 65%.

TransAqua's goal is to have a net zero carbon footprint by 2035 to coincide

with NB Power's goal to provide a fully green energy electrical grid. TransAqua is working to understand the impact of carbon sequestration of our compost to offset fuel use for heavy equipment and vehicles.

**Q: IN THE PAST YEAR TRANSAQUA COMMISSIONED A RECLAIMED EFFLUENT PROJECT. WHAT ARE THE GOALS AND BENEFITS OF THIS PROJECT?**

**A:** TransAqua uses approximately 600 m<sup>3</sup> per day of potable water throughout the wastewater treatment process. In January 2025, TransAqua commissioned its reclaimed effluent system. The purpose of this system is to use effluent water within its process, mainly the rotating drum thickeners and biofilter. During the first quarter of 2025, potable water use was reduced by 50%, resulting in cost savings of \$83,856. Phase 2 that connects this system to the centrifuges and biosolids conveyors was commissioned in May 2025, reducing potable water consumption by another 10-15%. Phase 3 is underway to connect this system to the lime mixing tank.

This project is meant to reduce the amount of potable water used in our process that will reduce cost but, more importantly, reduce demand on the existing potable water system that will be required to accommodate one of the fastest growing communities in Canada.

**Q: WHAT DOES THE FUTURE LOOK LIKE FOR TRANSAQUA?**

**A:** The future of TransAqua rests on the shoulders of our small but dedicated team who consistently demonstrate that size doesn't limit innovation. We will continue to embrace and reinvest energy and potable water savings into emerging technologies and sustainable practices to benefit our surrounding communities and ratepayers. TransAqua's forward-thinking approach is deeply embedded in our organizational culture, and will ensure TransAqua remains at the forefront of wastewater management innovation for decades to come.



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# 2025 ACWWA ANNUAL CONFERENCE

**OCT 5 - 7**

**ST. JOHN'S NL**

St. John's Convention Centre







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## WELCOME MESSAGE FROM THE CONFERENCE CHAIR JASON PHILLIPS



**W**elcome to the 2025 ACWWA Annual Conference! After 10 years, the ACWWA Conference is returning to St. John's, NL.

The St. John's committee has been working hard to prepare a program that will appeal to all aspects of the Atlantic Canadian water and wastewater industry. The conference will be held in the St. John's Convention Centre, located in the heart of downtown with easy access to top local attractions, including George Street and two National historic sites – Signal Hill and Cape Spear.

The theme, "Charting the Course," acknowledges Newfoundland and Labrador's rich nautical history and its relevance to the water and sewer industry. From project management to system expansion and employee recruitment, all tasks require us to chart our course for success.

### Conference Highlights:

- Sunday: Technical tours of Bay Bulls Big Pond water treatment plant and Riverhead wastewater treatment facility, followed by the Meet and Greet later in the evening.
- Monday: Opening session with major AWWA and WEF awards, keynote speaker Stephen Sanders, technical sessions, and some free time. Ending the night with ABEA Hospitality Night at O'Reilly's Irish Newfoundland Pub.
- Tuesday: Water Taste Test, ABEA Tradeshow showcasing new technology and products, final technical sessions, and concluding the conference with the Down East Feast featuring local entertainment. Join us to reconnect with friends and colleagues, experience Newfoundland Hospitality, and share your industry experiences. For conference details and updates, visit [www.acwwa.ca](http://www.acwwa.ca).

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# 2025 ACWWA ANNUAL CONFERENCE

## CONFERENCE HIGHLIGHTS

### SUNDAY, OCTOBER 5, 2025

09:00 – 15:00	ABEA Annual Golf Tournament
12:00 – 20:00	Registration – Main Lobby Delta Hotel
12:00 – 14:00	Windsor Lake Water Treatment Plant Tour Riverhead Wastewater Treatment Plant Tour
17:00 – 19:00	Emerging Leaders Mixer – The Gypsy Tea Room
19:30 – 23:00	Meet and Greet Reception – Harbourview Ballroom Delta Hotel
20:30 – 21:00	Ice Breaker Trivia Contest

### MONDAY, OCTOBER 6, 2025

07:30 – 08:30	Buffet Breakfast
08:30 – 10:00	Opening Session, Welcome, and Keynote Speaker
10:30 – 12:00	Technical Sessions and Round Table Discussion
12:00 – 13:30	ACWWA AGM and Awards Luncheon
13:30 – 16:15	Technical Sessions
16:30 – 17:30	Water for People Fun Run/Walk
18:00 – 20:00	Dine on your Own – Downtown St. John's
20:00 – 01:00	ABEA Hospitality Event – O'Reilly's Pub, George Street

### TUESDAY, OCTOBER 7, 2025

08:00 – 09:00	Best of the Best Tap Water Taste Test/Continental Breakfast
09:00 – 10:00	Technical Sessions
10:00 – 14:00	ABEA Tradeshow
14:00 – 16:45	Technical Sessions
18:30 – 22:00	Down East Feast and Entertainment



## TECHNICAL PROGRAM

### MONDAY, OCTOBER 6, 2025

7:30	Buffet Breakfast and Opening General Session			
10:30	WSER Amendments – Utility Perspectives and Practical Applications of Temporary Bypass Authorizations <i>Michael Brophy, Halifax Water</i>	Status of Chlorate Regulations and Impact at Water Treatment Plants <i>Robert Newton, Denora</i>	Upgrading the Rivière-du-Loup Aerated Ponds – Daring to Innovate <i>Christian Scott, Veolia</i>	AWWA, WEF, CWWA Round Table Discussion
11:00	Climate Adaptation and Mitigation in the Water Sector <i>Maureen Hodgins, Water Research Foundation</i>	Navigating Cyanobacteria and Toxins in Atlantic Canada's Recreational Water <i>Corrie Maston &amp; Attiq Rehman, RPC</i>	Resource Recovery Strategies for Municipal Water Planning: System Dynamics Modeling Approach <i>Noah Brace*, EMCO Ltd.</i>	
11:30	PFAS in Atlantic Canada – A Jurisdictional Review from the Regulators <i>Michael Brophy, Halifax Water</i>	Monitoring HAB Events and Invasive Species using High Resolution Satellite Imagery <i>Catherine Evans, Dalhousie</i>	Investigation of Biological Aerated Filtration for cBOD and Ammonia Removal from Wastewater <i>Anita Larbi*, Dalhousie</i>	
12:00	ACWWA AGM Luncheon			
13:30	Pasadena Water Treatment Plant Upgrade <i>Cluney Mercer &amp; Susanna Lweis, WSP</i>	Control System Standardization <i>Zane Spencer, MPE</i>	Utilizing Submersible and Airborne ROV Technology for Water System Inspections <i>Gerry Lahey, Gov NL</i>	Practical Demonstration: Enhancing Project Success: Best Practices for RFPs and Collaborative Delivery <i>Janice Kennedy, Colliers</i>
14:00	Double Trouble: Disinfection and DBP Compliance Amidst Elevated Organics in Small Systems <i>Nicole McLellan, Stantec</i>	The AFNWA SCADA Journey Continues <i>Adam Plumstead, Eramosa</i>	We Can Learn Much More from One Failure than from 100 Inspections <i>Rabia Mady, GHD</i>	
14:30	Building for the Future – Torbay Water Treatment Plant <i>Cluney Mercer &amp; Susanna Lweis, WSP</i>	Creating and Implementing the Technology Use Manual (TUM) <i>Stephanie Leblanc, Halifax Water</i>	Out with the Old Maps, In with the New. A 13km Inspection in Saint John <i>William Jappy, Xylem</i>	Practical Demonstration: Collaborative Project Delivery – Options and Examples <i>Mike Abbott, CBCL</i>
15:00	Nutrition Break			
15:15	Experience with Implementing a Risk Based Approach to Water Safety at Halifax Water <i>Lindsay Anderson, Halifax Water</i>	Major Shutdown and Improvements to the Spruce Lake Industrial Water Supply Pipeline <i>Mike Gray, City of Saint John</i>	Regional Growth: Resources to Support Demand and Supply Planning <i>Maureen Hodgins, Water Research Foundation</i>	Iqaluit Municipal Water Reheat Station <i>Aiden Levy*, RV Anderson</i>
15:45	Water Treatment and Service Level Decision Matrix for Water Systems in Newfoundland and Labrador <i>Victoria Pelley, Gov NL</i>	Fast-Track upgrades to Spruce Lake Industrial Water Supply – Part B: Screenhouse and Intake <i>John Campbell, City of Saint John</i>	Building for Growth: Sewer System Upgrades to Enable Housing Expansion in Saint John, NB <i>Stephane Landry, Englobe</i>	Lift Station 10 Upgrades – Mitigating Failure Risks <i>Chris Newman &amp; Jamie Anstey, RV Anderson</i>

\* Indicates Fresh Ideas



# 2025 ACWWA ANNUAL CONFERENCE

## TECHNICAL PROGRAM

**TUESDAY, OCTOBER 7, 2025**

8:00	Continental Breakfast and Water Taste Test			
9:00	GIS Water: Open-Source GIS for Water and Wastewater System Planning in Atlantic Canada Matt Delome, AIM Network	Our Journey to ISO/IEC 17025 Accreditation Deborah Smith, City of St. John's	Innovative Technologies for Sustainable Asset Rehabilitation and Construction in the Region of Peel Terry Martins, TCI Carbon Fibre	Full-scale UV LED Wastewater Reactor: Implementation and Performance Bailey Reid, Dalhousie University
9:30	Demand for Reliability: Data-Driven Updates to the Water Distribution System Model in Dieppe, NB Johnathan Butt, Englobe	St. John's Climate Change Flood Risk Mapping Study Jennifer Bursey, Stantec	Cost Optimization for Data Driven Asset Management Program Valentin, Mueller	High-Intensity UV LED Photolysis for Chemical-Free Degradation of Trace Organics in Water Jessica Bennett*, Dalhousie
10:00	ABEA Tradeshow			
14:00	Management of Legacy Mn Deposits in a Distribution Network Jerome Ducret*, Polytechnique Montreal	Understanding and Optimizing Water and Wastewater Treatment Plants with Machine Learning M. Hormiz, York University	An Introduction to Drone-Based Infrared Water Leak Detection Steve Blackwood, RPMGRP	Eskasoni First Nation Abandon 100mm Diameter Waterline Jason Angel, RV Anderson
14:30	The Challenges of Colloidal Iron Removal from Surface Water Rick Sen, Magnor	Integrating Decision Support Tools and Data Dashboards for Treatment Optimization Sarah Organ*, Dalhousie University	Innovation on the Rock: A Case Study of Acoustic Leak Detection in St. John's Adiv Paradise, Mueller	Akerley Forcemain Lining Project Lauren Young, RCII
15:00	Filter Media. To Change or Not to Change? That is the Question... Brett Hambley*, AWI	Real Time Water Quality Instrumentation for Enhanced Operational Efficiency Jordan Yorston, Omnitech	How Embedded Acoustic Leak Detection Is Resolving Water Loss and Helps Preventing Water Main Breaks Oleks Rudkovskyi, Kamstrup	Corner Brook, Deep Gulch Culvert Replacement Phillipe Losier, Soleno
15:30	Integrating Observations and Metrics to Optimize Granular Media Filtration Audits Hayat Raza*, Continental Carbon	Mussel Shell Cartridges for Effective Arsenic Removal in Remote Communities David Hammond, Earth Science Labs	Exploring the Value and Benefits of AMI 2.0 Bharat Khanna, GHD	Wetland Treatment Technology in NL – Case Studies and How it Works Glen Sharp, Sharp Mgmt

\* Indicates Fresh Ideas





## TECHNICAL TOURS

### WINDSOR LAKE WATER TREATMENT PLANT

The St. John's Metropolitan Area, home to over 200,000 people, relies on three surface water sources. Windsor Lake and Petty Harbour Long Pond serve only St. John's, while Bay Bulls Big Pond provides water to St. John's, Mount Pearl, Paradise, Conception Bay South, and Portugal Cove-St. Philip's.

The City's water supply history dates back to 1846 when George's Pond near Signal Hill first delivered water downtown via a 6" cast iron main. As the city's population grew rapidly, George's Pond proved insufficient, leading to the integration of Windsor Lake by 1862.

Since then, Windsor Lake's water treatment has evolved significantly with technological advancements and stricter quality standards. Upgrades have included the installation of traveling screens, vertical turbine pumps, disinfection equipment, and chemical systems for alkalinity and pH adjustment. Notable improvements include a microfiltration membrane facility with UV disinfection in 2007 and an expanded treatment building in 2025 to replace the hydrated lime feed system. This project also

improved corrosion control in the distribution system.

The Windsor Lake Water Treatment Plant has a summer capacity of 70 MLD and 53.5 MLD in winter, supplying an average daily flow of 35 MLD, which accounts for about 50% of the City's daily water consumption.



### RIVERHEAD WASTEWATER TREATMENT FACILITY

The Riverhead Wastewater Treatment Facility is the only large regional wastewater facility in the St. John's metropolitan area. It is a conventional primary treatment plant that treats wastewater from the City of St. John's, the City of Mount Pearl, and the Town of Paradise. The service area has a total population of approximately 135,000 people and the facility has an average flow capacity of 135 million litres per day. Construction was completed in 2009 and involved the excavation of almost one million cubic metres of rock and terracing of the rock wall that forms the southern site boundary.

The treatment process areas include a Shallow Pump Station, Deep Pump Station, Grit Removal Facility, Primary Clarifiers, Chlorine Disinfection Facility, Anaerobic Digesters, and a Solids Dewatering Facility. The Riverhead WWTF employs two hot water boilers for facility and digester heating and two diesel-powered generators for standby power. The Riverhead facility is also equipped with an onsite accredited laboratory.

Wastewater is conveyed to the Riverhead facility by two interceptor sewers and mechanically screened and pumped up into the facility. From this point, wastewater flows by gravity through the aerated grit channels for grit removal, to the primary clarifiers for removal of suspended solids and organic material, and through the chlorine contact tank for disinfection and dichlorination before discharge. Solids and organics removed as sludge from the primary clarifiers are anaerobically digested to reduce volatiles and produce biogas. Biogas produced by the anaerobic digestion process is captured and used as heating fuel in the hot water boiler system. Digested sludge is dewatered using centrifuges and disposed.





## 2025 ACWWA ANNUAL CONFERENCE

### EMERGING LEADERS

The ACWWA Emerging Leaders Committee is an active group that offers engaging networking and volunteering opportunities for members of the ACWWA who are new to the water and wastewater industry. The Emerging Leaders Committee is inviting conference attendees to join us for the networking event and mixer, which is being held from 5 p.m. to 7 p.m. on the opening day of the Conference, Sunday, October 5 at The Gypsy Tea Room on Water Street. The networking event will provide an opportunity for career development where Emerging Leaders can get to know leading figures from the industry and other Emerging Leaders. Both novice and experienced professionals are encouraged to drop



in for some snacks, refreshments, and conversations with other members in our industry.

This is a wonderful opportunity to meet and support our future water and wastewater leaders.

### FRESH IDEAS

ACWWA holds a yearly presentation competition for emerging leaders on topics related to the water and wastewater profession. The top presentation selected from these presenters will be given the opportunity to compete in the Fresh Ideas Poster Competition at the AWWA Annual Conference and Exposition (ACE).

Thank you to Sansom Equipment Limited for supporting the Emerging Leaders events.



### MEET AND GREET RECEPTION AND TRIVIA NIGHT

The conference will unofficially kick off with our Meet and Greet on Sunday evening in the Harbourview Ballroom at the Delta Hotel. This event offers a fantastic opportunity to reconnect with friends and colleagues while enjoying delicious food and refreshments. It has been 10 years since our last conference in St. John's and we're sure you'll be reunited with some familiar faces.

The evening will feature a Think Tank Trivia event, sponsored by Greatario, to challenge your knowledge of Newfoundland geography and culture. The event will consist of two rounds: the first round will include 25 questions, while the second round will test your ability to match some well-known Newfoundland sayings. There will be a prize for the winning individual or team.

Thank you to Greatario for supporting the Think Tank Trivia Night.



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## ABEA ANNUAL GOLF TOURNAMENT

GlenDenning Golf is an oasis of fun and enjoyment within the City of St. John's. The course is designed with generous tee decks, contoured fairways and undulating greens, all defined by strategically placed bunkers. The gentle terrain provides an enjoyable walk for all ages and ability.

Playing at a Par 71 and 6,214 yards with three tee positions to choose from, beginners and avid golfers will enjoy the forgiveness and challenges that each hole has to offer. GlenDenning stresses club selection and strategic shotmaking.

We welcome you to join us for our Annual Golf Tournament being held Sunday, October 5, 2025 and sponsored by the ABEA, and its individual members. Tee times commence at 9:00 am with a shotgun format. Price is \$125 + tax (includes, green fees, cart, lunch (BBQ hot dogs or hamburgers at halfway) and transportation.

Put your team together, or we can place you with a group – all ability levels welcome.

Rental clubs are available for an additional fee and on a first-come first-serve basis.



## WATER FOR PEOPLE EVENT

Water For People (WFP) is a global non-profit that helps people bring clean water and sanitation solutions to their communities for generations to come. ACWWA has a WFP Committee focused on raising awareness and providing opportunities for ACWWA members and others in Atlantic Canada to be involved with WFP by donating money or time in support of WFP's vision of a world where every person has access to reliable, safe water and sanitation services.

Each year, at the Annual ACWWA Conference, several WFP activities are organized to raise funds and awareness in support of WFP. Their fundraising efforts have gone a long way to make Atlantic Canada stand out as a tremendous donor among AWWA sections with the Atlantic Chapter raising approximately \$20,000 annually. Events organized to raise funds and awareness for WFP this year include the Charity Silent Auction, WFP Fun Run/Walk, and the 50/50 raffle during the Sunday and Tuesday Night Socials.

When registering for the conference, do not forget to sign up for the 2025 Fun Run/Walk! The 5 km Fun Run/Walk will be held on Monday, October 6 at 4:30 p.m. The event will start from the Delta Hotel, continue along St. John's Harbour until reaching the Terry Fox monument and turning around to return to the hotel.

Thank you to Sansom Equipment Limited for supporting the WFP Fun Run/Walk.





## 2025 ACWWA ANNUAL CONFERENCE

### ABEA HOSPITALITY NIGHT

The Atlantic Branch Equipment Association cordially invites all ACWWA Conference delegates and attending members to the 16th Annual Common ABEA Hospitality Event, once again being held at O'Reilly's Irish Newfoundland Pub. Situated in the heart of St. John's entertainment district on George Street, O'Reilly's is renowned as the #1 Bar in Canada by enRoute magazine and Rickards Beer, promising you "A ROLLICKING NEWFOUNDLAND TIME."

Join us on Monday evening from 8 p.m. to 1 a.m. for an unforgettable night of live music, dancing, drinks, and snacks.

This event offers a fantastic opportunity to meet and greet your ABEA Equipment Suppliers, reconnect with old friends, and introduce yourself to new acquaintances.

Please remember your "delegate badge" for admittance to this ABEA member-sponsored private event.



### BEST OF THE BEST TAP WATER TASTE TEST

Join us at the 11th annual "Best of the Best" Tap Water Taste Test competition to find out who has the best tasting water in Atlantic Canada!

Our panel of water professionals will be looking for the "Best of the Best" tasting tap water here at the ACWWA Conference! Samples will be judged on their appearance, odour, taste, and overall impression. The competition will take place from 8 a.m. to 9 a.m. during morning breakfast on Tuesday, October 7, in the Convention Centre room Barkers Point B.

The first-place winner will have the opportunity to represent ACWWA at the AWWA Annual conference and Exposition (ACE) "Best of the Best" Tap Water Taste Test at their next conference.

Submit a sample of your hometown water to see where it ranks against your neighbouring Atlantic Canada communities. Entry forms, rules, and judging criteria are available on the ACWWA website at [www.acwwa.ca](http://www.acwwa.ca). Entry forms are due by September 25, 2025.

For more information, please contact: Deborah Smith at 709-745-1870 or [dsmith@stjohns.ca](mailto:dsmith@stjohns.ca).



### 2025 ATLANTIC BRANCH EQUIPMENT ASSOCIATION TRADESHOW AND EXHIBITORS

The 2025 Tradeshow is scheduled for Tuesday, October 7, from 10 a.m. to 2 p.m. This popular event offers equipment suppliers a platform to display their products and services, while delegates can network with participants and fellow attendees.

Get ready to discover the newest technologies and services in the water and wastewater industry. Lunch will be provided during the event. Make sure to allocate time to explore and connect – there's something for everyone and more!





## DOWN EAST FEAST

The conference will conclude with a buffet style meal and entertainment.

We will begin the evening by performing a traditional “Screech In” ceremony to grant any of the CFAs (Come From Aways) the prestigious title of honorary Newfoundlanders!

Think of it as a fun initiation! We will have an eccentric and knowledgeable host to ensure the best possible experience. We will tickle all your senses: Sight, Sound, Taste, Touch and Smell! During the ceremony, you and your guests will repeat some local sayings, taste some traditional Newfoundland “Steak,” join in a sing-a-long, savour the flavour of Newfoundland Screech Rum, and of course – Kiss the Cod! In return, you’ll get an official certificate confirming your title as an honorary Newfoundlander! If you’re interested, please don’t forget to register for this event.

Spirit of Newfoundland will be performing their Newfoundland and Labrador Showcase as the finale to the Down East Feast. This Showcase is essentially a Newfoundland Kitchen Party featuring eight singers and musicians providing medleys of Newfoundland and Labrador music, humorous dialogue, stories, and audience participation.



## HOTEL INFORMATION

One of the oldest cities in North America, St. John's is a uniquely charming and eclectic destination, cradled in a harbour carved from 500-million-year-old rock. The area is rich with history, rife with culture, and sprawling with natural beauty.

The conference hotel will be the Delta Hotels St. John's Convention Centre located at 120 New Gower Street. The hotel is conveniently located across the street from the St. John's Convention Centre where the technical sessions and trade show will be held. The two facilities are connected by an overhead pedway, sheltering attendees from the unpredictable Newfoundland weather.

The hotel provides guests with easy access to numerous shops and restaurants along Water Street, and the world-famous George Street. St. John's is also home to two of Canada's national historic sites – Signal Hill, where Marconi received the first transatlantic wireless signal, and Cape Spear, the most easterly point in North America.

A special conference room rate starting from \$259 plus taxes is available from October 3 through October 8, 2025.

Reservations can be made using the link on ACWWA's website, [www.acwwa.ca](http://www.acwwa.ca), or by contacting the hotel directly at 1-888-793-3582.





# ACWWA CONFERENCE REGISTRATION

Please consider registering online at [www.acwwa.ca/reg](http://www.acwwa.ca/reg)

You can register online and still pay via PO, cheque, or Money Order

PART 1 - DELEGATE CONTACT/VENDOR PRIMARY CONTACT					
FIRST NAME		LAST NAME		ORGANIZATION	
MAILING ADDRESS				CITY	
PROVINCE	COUNTRY	POSTAL CODE	ACWWA MEMBERSHIP NUMBER		
PHONE	FAX		WEF MEMBERSHIP NUMBER		
WORK EMAIL ADDRESS			Would you like to be added to the ACWWA email list? <input type="checkbox"/>		Are you a first-time conference attendee? <input type="checkbox"/>
SECTOR: <input type="checkbox"/> Utility <input type="checkbox"/> Supplier <input type="checkbox"/> Contractor <input type="checkbox"/> Consultant <input type="checkbox"/> Student <input type="checkbox"/> Academic <input type="checkbox"/> Regulator <input type="checkbox"/> Other					
EMAIL ADDRESS Accessible on Mobile device for use with Conference App. This email address will not be shared.					
CONTACT SHARING VIA THE CONFERENCE APP <input type="checkbox"/> No Sharing <input type="checkbox"/> After Authorization <input type="checkbox"/> On Request					

PART 2 - REGISTRATION TYPE								
<b>Included Activities</b> ✓Included ✗NOT Included → <b>Register before August 29, 2025, and be entered for the early bird draw – a \$300 VISA gift card!</b> <b>\$200 late fee for Full Conference Delegate after September 5, 2025</b> <b>If you are not a member but would like to become a member for savings benefits, contact <a href="mailto:julie.stokes@moncton.ca">julie.stokes@moncton.ca</a></b>			Sun Meet & Greet	Mon AGM Lunch	Mon ABEA Reception	Tue Trade Show	Tue Lunch	Tue Night Social
Full Conference Delegate On or Before Sept. 5, 2025	Member – \$595	Non-Member – \$795	✓	✓	✓	✓	✓	✓
Full Conference Delegate After Sept. 5, 2025	Member – \$795	Non-Member – \$995	✓	✓	✓	✓	✓	✓
Full Conference Student	Member/Non-Member – \$75 <i>Registration is free if the student is presenting a technical session</i>		✓	✓	✓	✓	✓	✓
Monday Full Day Pass	Member – \$350	Non-Member – \$450	✗	✓	✓	✗	✗	✗
Tuesday Full Day	Member – \$400	Non-Member – \$500	✗	✗	✗	✓	✓	✓
Tuesday 1/2 Day Trade Show Pass	Member – \$200	Non-Member – \$250	✗	✗	✗	✓	✓	✗
Tradeshow Exhibitor	Costing in the next section Included items shown here →		✓	✗	✓	✓	✓	✗
<b>Part 4 – Subtotal</b>								\$

PART 3 - TRADE SHOW BOOTH RENTAL & EXHIBITOR REGISTRATION			
Booth Rental (Max 3 Booths & 2 People/Booth) Includes as indicated in <b>Tradeshow Exhibitor</b> Part 2	ABEA Member – ____ Booths @ \$600	Non-Member – ____ Booths @ \$1,000	\$
EXHIBITOR'S NAME	EXHIBITOR'S NAME	EXHIBITOR'S NAME	
EXHIBITOR'S NAME	EXHIBITOR'S NAME	EXHIBITOR'S NAME	
Extra Booth Exhibitor Registration Includes as indicated in <b>Tradeshow Exhibitor</b> Part 2	ABEA Member – ____ @ \$75	Non-Member – ____ @ \$100	\$
EXHIBITOR'S NAME	EXHIBITOR'S NAME	EXHIBITOR'S NAME	
<b>Part 3 – Subtotal</b>			\$



PART 4 – ADDITIONAL MEALS & ACTIVITIES NOT INCLUDED WITH REGISTRATION		
<b>Sunday, October 5</b>		
Golf – Sunday, October 5, Transportation, Green Fee, Shared Cart and Lunch – <b>Limited Capacity</b> Indicate your shirt size(s): SM____, MED____, LG____, XL____, XXL____ Do you require transportation? yes____ No____ Do you need golf club rentals? yes____ No____	____ @ \$125 =	\$
Technical Tour – Windsor Lake Water Treatment Facility – <b>Limited Capacity</b>	____ @ \$20 =	\$
Technical Tour – Barker Street Wastewater Treatment Facility – <b>Limited Capacity</b>	____ @ \$20 =	\$
<b>Monday, October 6</b>		
Additional Annual General Meeting Luncheon One ticket included with <b>Full Conference and Monday Full Day Pass</b> Registration	____ @ \$85 =	\$
<b>Tuesday, October 7</b>		
Newfoundland "Screech In" Ceremony      Alcoholic Option ____      Non-Alcoholic Option____ A portion of the proceeds will be donated to Water For People	____ @ \$30 =	\$
Additional Tuesday Night Social Tickets One ticket is included with every <b>Full Conference and Tuesday Full Day</b> Registration	____ @ \$105 =	\$
<b>Part 4 – Subtotal</b>		<b>\$</b>

PART 5 – FEES	
(Part 2 + Part 3 + Part 4) <b>Subtotal</b>	\$
Life Members deduct \$100.00	-\$
<b>HST 15% (869 924 910 RT2)</b>	\$
Indicate your shirt size(s): SM____, MED____, LG____, XL____, XXL____	Water For People Fun Run - ____ @ \$25 \$ Water For People Fun Walk - ____ @ \$25 \$
<b>Total Amount Due</b>	
	<b>\$</b>

PART 5 – PAYMENT OPTIONS		
Choose a payment method. Complete as appropriate. <input type="checkbox"/> Cheque <input type="checkbox"/> Money Order <input type="checkbox"/> Visa <input type="checkbox"/> MasterCard		
Please make cheque or money order payable to "ACWWA Conference," Box 28142, Dartmouth, NS B2W 6E2		
CARD HOLDER NAME		
CARD NUMBER	CVV	EXPIRY
SIGNATURE		
Fax: 902-435-7796 or Email: <a href="mailto:contact@acwwa.ca">contact@acwwa.ca</a>	EMAIL ADDRESS	
<b>WHEN PAYING WITH A CREDIT CARD, AN EMAIL ADDRESS IS REQUIRED FOR A RECEIPT TO BE ISSUED</b> By registering for this event, your contact information may be shared with exhibitors and sponsors.		

#### CONFERENCE INFORMATION

The entire conference has a 1.5 CEU value.

#### TRADE SHOW INFORMATION

Each booth measures 8' x 10'. Booth selection will be online and first come, first serve. ABEA members will have exclusive access for one week before the public. Contact the ABEA to learn more about becoming an ABEA member (Cathy Cameron at [catherine@scotiotech.ca](mailto:catherine@scotiotech.ca)). For trade show questions, contact Cathy Cameron at [catherine@scotiotech.ca](mailto:catherine@scotiotech.ca).

Booths are reserved at registration but cannot be selected until payment is received.

Register and pay online with Visa or MasterCard to avoid delays and select the booths you want.

#### ACWWA DELEGATE CANCELLATION POLICY

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# ACWWA INVITES



# Submissions for AWARD NOMINATIONS FOR 2025!

If you know someone who has made a contribution to the water and/or wastewater industry, don't let their efforts go unnoticed. The following awards are eligible for presentation at the **2025 ACWWA Conference** on October 5–7 in St. John's, Newfoundland.

Please note that the **deadline for 2025 Award Nomination is August 1, 2025.**

## 5S SHOVEL Award

(Nominee must be a member of WEF)

The Select Society of Sanitary Sludge Shovelers was originated to encourage members to "get involved." You cannot join the Society – you must be "selected" – on the basis of merit.

## Fuller Award (Nominee must be a member of AWWA)

The George Warren Fuller Award is awarded by AWWA and may be presented annually to a member of ACWWA for distinguished service in the water supply field in commemoration of sound engineering skill, brilliant diplomatic talent, and constructive leadership that characterized the life of George Warren Fuller. The award was established in 1937 in memory of Mr. Fuller, who, besides being identified with several important sanitary engineering advances, is given much of the credit for AWWA's development from a social group to its present high standing as a technical organization.

## Bedell Award

(Nominee must be a member of AWWA or WEF)

The Bedell Award is awarded by the Water Environment Federation and may be presented every three years to a member of ACWWA to acknowledge extraordinary service to a WEF Member Association. The award is named for Arthur Sidney Bedell, WEF's second president for his long devotion and service to the New York Sewage and Industrial Wastes Association, now the New York Water Environment Association. He was Chief of the Bureau of Sewage and Waste Disposal of the New York State Department of Health. The Award was first awarded by ACWWA in 2009.

## MacNab Award (Nominee must be a member of WEF)

ACWWA awards the Ira P. MacNab Award, which may be presented annually to a member of the ACWWA for outstanding service to the water industry in Atlantic Canada. The award was established in 1957 when the

ACWWA was called the Maritime Branch of the Canadian Section AWWA. It is in honour of the late Dr. Ira MacNab, P.Eng., the first president of the Maritime Branch, for his untiring efforts and wise counsel during our formative years and to recognize his outstanding service and interest in the local water utility field.

## Project of the Year – Engineering Award/Environmental Award

(Nominee must be a member of AWWA or WEF)

The Project of the Year – Engineering Award/Environmental Award is awarded by ACWWA to a Municipality or Utility and their Consultant, one of which is a member of ACWWA, to recognize **outstanding projects in Atlantic Canada that demonstrate innovation and state-of-the-art technology** in water or wastewater projects.

Awards may be presented in each of the following three categories:

- Small Utility – less than 5000 customers
- Medium Utility – between 5000 and 25,000 customers
- Large Utility – more than 25,000 customers

## Silent Hero Award

(Nominee must be a member of AWWA or WEF)

ACWWA awards the Silent Hero Award, which may be presented annually to **recognize outstanding contributions** of water and wastewater operators.

## Contribution Award


(Nominee must be a member of AWWA or WEF)

ACWWA awards the Contribution Award, which may be presented annually to recognize **outstanding contributions** by an individual or a group of individual volunteers to ACWWA programs and/or the water industry throughout Atlantic Canada.

## Emerging Professional

(Nominee must be a member of AWWA or WEF)

The Emerging Professional (formerly Young Professional) Award recognizes an Emerging Professional within the Atlantic Canada Water & Wastewater Association for **outstanding contributions to the water & wastewater industry** and to the ACWWA Emerging Professionals' committee.

For more information and to submit a nomination, please visit [www.acwwa.ca/conferences/awards/award-nominations](http://www.acwwa.ca/conferences/awards/award-nominations). 

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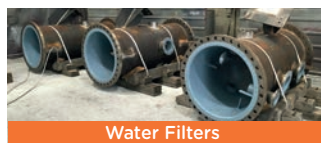
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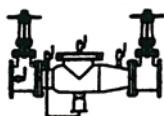
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