



ATLANTIC CANADA
WATER & WASTEWATER ASSOCIATION

American Water Works Association
Atlantic Canada Section

Water Environment
Federation
Protecting Communities
We Love



2023 ACWWA ANNUAL CONFERENCE

CHARLOTTETOWN, PEI
OCTOBER 15 – 17

PRINCE EDWARD ISLAND CONVENTION CENTRE





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Building Resiliency Protecting the Communities We Love

The Prince Edward Island Convention Centre is located on the beautiful Charlottetown Harbourfront. It offers stunning views of the Charlottetown waterfront and has an outdoor patio overlooking the scenic waterfront.

The Prince Edward Island Convention Centre adjoins Delta Prince Edward, which has a special conference room rate available.

Registration opens on June 22nd, 2023 at 9:30 AM

The first week of Tradeshow Booth Rentals are restricted to ABEA members. Become an ABEA member, support the Association and save money on your rentals.

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Welcome from the Conference Chair

**Richard
MacEwen**
Conference Chair

Please join us in Charlottetown October 15 - 17, 2023 for the 2023 ACWWA Annual Conference. A conference you want to attend. The conference organizing committee has been working hard at making this a memorable event as PEI celebrates its 150th anniversary of joining Canada.

We are very pleased to be hosting the Annual Conference in Charlottetown at the Prince Edward Island Convention Center. Located on Charlottetown Harbour in our beautiful Downtown where you can enjoy fine dining experiences, stroll the streets, and enjoy a walk along the boardwalk.

As always, the conference committee has organized a high quality technical program. The technical sessions will focus on Building Resiliency in our industry. Charlottetown was witness to the importance of resiliency planning during and after Hurricane Fiona. Come and share your experience related to improving resiliency in our industry. The conference program will be filled with all kinds of favourites like golf (Fox Meadow Golf Club), Technical tours, ABEA tradeshow, ABEA Hospitality night (Old Triangle), Emerging Leaders Mixer, Water Taste Test and Water Tower Competition, Hands-on technical demonstrations, and our wrap up event.

The water and wastewater industry has provided critical public services for more than a century. Clean drinking water and effective wastewater treatment will be needed for years to come. The industry must find ways to be

adaptable and resilient into the future. Come and share your role in the industry and what you are doing to ensure a resilient sustainable future. What innovations have you used or plan to use in the development of your water resource? Did you add a new treatment system and consider climate change or increased resiliency in its design? How have you tackled challenges of your distribution or collection systems? How are you recovering resources from previously thought of waste streams? Staffing recruitment and retention best practices? "Building Resiliency" is your opportunity to showcase projects and solutions on topics ranging from the source of our potable water to the resources recovered at the end of the water journey and everything in between!

Whether you are a utility executive, supplier, consultant, regulator, operator or student be sure to attend this year's ACWWA Annual Conference in Charlottetown. Come reunite with colleagues and friends to share your experiences, expertise and discuss the many ways that we are making our industry more resilient.

Richard MacEwen,
2023 Conference Chair

Message from ACWWA Chair

Jason Phillips
2023 ACWWA Chair



On behalf of the ACWWA Board I welcome all attendees - our visiting dignitaries, delegates, vendors, and emerging leaders to the 2023 ACWWA Annual Conference, in Charlottetown, PE, from October 15 - 17. This is our local association's annual conference and tradeshow, which provides the opportunity to learn about the latest technology and developments in the water and wastewater industry within our region.

The conference committee has assembled a strong technical program which occurs on Monday and Tuesday focused on the theme of Building Resiliency. This theme resonates with changes within the water and wastewater industry and the impacts of climate change as witnessed by Hurricane Fiona and the wildfires in Nova Scotia. Following upon the success of the in-person event in 2022, this year's event will contain many popular items beginning with golf on Sunday morning, and the meet and greet on Sunday evening. Evening entertainment will include the ABEA Reception and Tuesday Night Social.

I would like to thank Richard MacEwen and his conference committee for volunteering their time over the past year to make this conference a success for all attendees.

I hope to see everyone in Charlottetown in October.

Jason Phillips
2023 ACWWA Chair



Building Resiliency, Keynote Address

Peter Nishimura

Federal-Provincial-Territorial Resilient Infrastructure Working Group

The 2023 Keynote address will dive into Building Resiliency on Prince Edward Island with our Keynote speaker, Peter Nishimura.

Peter Nishimura has worked in the field of climate change adaptation and stakeholder engagement for over 12 years, formerly as a Senior Climate Change Policy Advisor in PEI's Department of Environment, Energy and Climate Action, and now as Manager of PEI's Climate Action Secretariat. Peter has worked extensively on the development of local climate hazard information and dissemination with a goal to integrate climate considerations into infrastructure placement and design.

Peter holds a Bachelor of Science from the University of Victoria, a Bachelor of Education from the University of British Columbia, and a Master of Science in Environmental Science from Mt. Allison University. He is Past Treasurer and Board member of Green Learning Canada, and currently serves on the Federal-Provincial-Territorial Resilient Infrastructure Working Group, and on the Advisory Board for the Canadian Centre for Climate Change and Adaptation.

AWWA Representative

Joe Jacangelo
AWWA Representative



Dr. Jacangelo is a Vice President and Director of Research for Stantec. He has over 30 years of experience in the field of environmental health engineering and has specialized in the areas of water quality and treatment, water and wastewater disinfection, membrane technology, water reuse and public health. He has served as Technical Director, Principal Investigator, Project Manager or Engineer for over 80 water and wastewater projects. Dr. Jacangelo has published numerous peer-reviewed technical papers and has held various positions within professional organizations.

For the American Water Works Association (AWWA), he has served as a Board Member, Chair of the Technical and Education Council, Chair of the International Council, and a member of the Board's Executive Committee. He has served as either chair or member of over 25 of that organization's various committees, divisions or councils. He has also participated on numerous advisory or conference planning committees for various water and wastewater organizations. Dr. Jacangelo is also a past Chair of the Board of Directors of WaterReuse Research Foundation and a past member of the editorial advisory board for the Journal of Water Reuse and Desalination.

In addition to his role at Stantec, Dr. Jacangelo is an adjunct faculty member in the Department of Environmental Health and Engineering at the Johns Hopkins University Bloomberg School of Public Health. He is a co-founder of the Johns Hopkins/Stanec Alliance. Dr. Jacangelo is a past recipient of the AWWA Golden Spigot Award and two AWWA Best Paper Awards. He received that organization's Volunteer of the Year Award.

Dr. Jacangelo also served three years as a Peace Corps Volunteer in the Republic of the Congo.



WEF Representative

Keith Hobson

Treasurer

Keith L. Hobson is the 2020-2023 Treasurer for the Water Environment Federation (WEF), an international organization of water quality professionals headquartered in Alexandria, VA.

Keith is the Past President/CEO of FOX Engineering Associates in Ames, Iowa and has over 40 years of experience as a consultant in the field of environmental engineering for both municipal and industrial clients. He also served with Black & Veatch for more than 13 years and has been involved in design of water and wastewater treatment facilities ranging in capacity from 2 mgd to over 400 mgd.

A WEF member since college, he served as speaker of the House of Delegates (HOD) in 2018-2019 and served for two terms on the HOD as a representative of the Iowa Water Environment Association (IAWEA) and as a delegate at large. He has served as chair or vice chair of several workgroups and committees of the HOD, as well as chair of the WEF Audit and Finance committees. He also serves on the WEF Government Affairs Committee.

Keith has been an active member of IAWEA, serving on many committees, chairing the newsletter/publications committee and financial review committee and consulting with IDNR on regulatory issues. He also

served as chair of the newsletter committee for the Kansas WEA prior to moving to Iowa. He has authored many reports and presented technical papers on various topics in environmental engineering.

Keith holds degrees in civil engineering from Iowa State University (B.S.) and University of Missouri-Columbia (M.S.). He is a Board Certified Environmental Engineer (BCEE) through the American Academy of Environmental Engineers and a member of the Select Society of Sanitary Sludge Shovelers. Keith is a registered professional engineer in Iowa and multiple other states. He is a recipient of the Arthur Sidney Bedell Award and the Kenneth J Miller Founders Award.

CWWA Representative

Robert Haller
Executive Director, CWWA



Robert Haller is the executive director of the Canadian Water and Wastewater Association, which is THE national voice for the municipal water and wastewater sector in Canada. Robert took on this role after almost 20 years as a senior municipal administrator - most of

those years serving as a CAO for small and medium-sized communities. Robert leads the CWWA with an obvious passion for the industry, a desire to facilitate national networks and he works to promote collaboration between all the water organizations across Canada.



Charlottetown Mayor's Message

Philip Brown
Mayor of Charlottetown

Welcome to the 76th Annual Conference of The Atlantic Canada Water & Wastewater Association! We are thrilled to have you here in Charlottetown as you gather to explore the latest advancements, challenges, and opportunities in the realm of water and wastewater management.

I hope this conference serves as a unique platform for industry professionals, experts, and decision makers to come together, share knowledge, exchange ideas and foster collaborations. I hope you find this conference both intellectually stimulating and personally rewarding.

To those who are visiting from away, whether it's your first time here or your first time in a while, please take the time to explore our beautiful city history and the vibrant culture of this place we call home. From historic streets to worldclass dining scenes, there is something for everyone.

Once again, welcome to Charlottetown, Birthplace of Confederation and thank you for choosing our great city to host your annual conference! I wish you all a productive conference!

Philip Brown,
Office of the Mayor



Prince Edward Island Minister of Environment, Energy and Climate Action

Hon. Steven Myers

Prince Edward Island Minister of
Environment, Energy and Climate Action

On behalf of the Government of Prince Edward Island, I am pleased to welcome all water and wastewater professionals to Prince Edward Island for the ACWWA annual conference. This year's theme is 'Building Resiliency' which is a topic that is front of mind for our province. We are acutely aware of the effect of climate change on our seasons, our weather, and our shorelines. We see its impacts on our province every day and we know we're in for more. As a result, we are focused on building resiliency in the face of growing climate impact while achieving our net zero goals. I hope your meetings in Prince Edward Island will be productive and help your group develop effective and innovative resiliency plans for the work you do. I encourage you to take some time to experience our Island when you're here, whether that's through sampling our food, visiting our communities to enjoy our landscapes, or taking in one of our unique cultural experiences.

I wish you all a successful conference.

Hon. Steven Myers

Minister of Environment, Energy
and Climate Action

Conference Highlights

Sunday, October 15, 2023

10:00 – 15:30	› Golf Tournament – Fox Meadow Golf Course
12:45 – 15:00	› Stratford/Charlottetown Wastewater Management Tech Tour
17:00 – 19:00	› Emerging Leaders Social
19:30 – 22:30	› Meet & Greet Reception
20:30 – 21:30	› Water Tower Competition

Monday, October 16, 2023

07:30 – 08:30	› Continental Breakfast
08:30 – 10:00	› Opening Session & Welcome
10:30 – 12:00	› Technical Sessions
12:00 – 13:30	› ACWWA AGM & Awards Luncheon
13:30 – 16:45	› Technical Sessions
17:00 – 18:00	› Water for People Fun Run
18:00 – 20:00	› Dine on your Own (Downtown Charlottetown)
20:00 – 1:00	› ABEA Reception (Old Triangle Irish Alehouse)

Tuesday, October 17, 2023

07:30 – 08:00	› Continental Breakfast
08:00 – 09:30	› Technical Sessions
09:30 – 10:30	› Best of the Best Water Taste Test
10:00 – 14:00	› Tradeshow
14:00 – 14:30	› Hydrant Hysteria Demo
14:30 – 16:00	› Technical Sessions
18:00 – 22:00	› ABEA Casino Night

2023 ABEA Annual Golf Tournament



Fox Meadow Golf Course – “Fun, flexible, simple yet engaging. Your time at Fox Meadow is more than just a round of golf. It’s your time. It’s your chance to meet up with old friends and create new ones. It’s your time to awaken your senses and connect with your natural surroundings. Your time to play the game you love and leave the stress of the world behind. Welcome to Fox Meadow...”

*167 Kinlock Rd.
Stratford, PE
1-877-569-8337*

We welcome you to join us for our Annual Golf Event being held October 15, 2023 and sponsored by the ABEA, and its individual members.

Tee times commence at 10:00am, with a shotgun format.

Price \$85.00 + tax (Green fees, shared cart and range balls)

Put your team together, or we will be pleased to place you with a group – all ability levels welcome...rental clubs are available for an additional fee (arrangements to be made directly with the course)

Please note that only those registered by August 15, 2023 will be guaranteed “swag”

<https://foxmeadow.pe.ca/>



Emerging Leaders Mixer



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 5:00 PM to 7:00 PM on the opening day of the Conference, Sunday October 15th, 2023, at Brick House in Charlottetown. 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. This will be followed by the Emerging Leaders mixer. Both novice and experienced professionals are encouraged to drop in for some snacks, refreshments, and conversation with leading members in our industry. This is a wonderful opportunity to meet and support our future water and wastewater leaders. Thank you to Sansom Equipment Limited for supporting the Emerging Leaders events.

Before the Emerging Leaders event, we will also attend the technical tour of the Stratford and Charlottetown Wastewater Management Facility from 12:45 to 3:00 PM as a group.

Technical Program (1st Day)

Monday, October 16, 2023	10:30 – 11:00	<ul style="list-style-type: none"> Fresh Idea: Inflow & Infiltration Nova Scotia – Rural Communities (Jason Angel, RV Anderson) 	Cowie Hill Reservoir Replacement (Paul Young, CBCL)	Central Event Management at Halifax Water (Kevin Healy and John Eisnor, Halifax Water)
	11:00 – 11:30	Two pipes, or not two pipes, that is the question (Shawn Burke, Englobe)	<ul style="list-style-type: none"> Fresh Idea: Distribution System Water Quality Monitoring Tools (James Dalton, Halifax Water) 	GAC Adsorption as a Robust Treatment Adaptation Strategy to Changing Source Water Quality (Lindsay Anderson, Dalhousie University)
	11:30 – 12:00	Roadmap for sustainable implementation: UV LED developments and applications for full-scale systems (Graham Gagnon, Dalhousie University)	Not quite a GUDI study – a pragmatic shortcut (Ben Lanigan/Morley Foy, PEI Environment)	<ul style="list-style-type: none"> Fresh Idea: Contribution of activated carbon in dissemination of antibiotic resistance in treatment processes (Hamed Rasouli Sadabad, Ulster University)
	13:30 – 14:00	Adaptive Mixing and Better Bio Nutrient Removal (Colin Christie, Xylem)	Treatment of Biofilms and OPs in simulated DWDS using UV LEDs (Jaser Lara de Larrea, Dalhousie University)	<ul style="list-style-type: none"> Fresh Idea: Microplastics in drinking water and wastewater systems: quantification, adsorption, and treatment (Kallo Hood, Dalhousie University)
	14:00 – 14:30	How Can You Manage Your Peak Wet Weather Flows with Treatment? (John Dyson, Aqua-Aerobic Systems)	AMI – Maximizing Potential (Bader Abu-Omar, KTI Ltd.)	Preparing for ABC's new format of operator certification exams (Peter Van Caulart, Environment Training Institute)
	14:30 – 15:00	Charlottetown WWTF – A Regional Approach to Wastewater Treatment (Mike Abbott, CBCL)	City of St. John's Water System Master Plan – Integrated Hydraulic and Water Quality Model (Warren Martin, Stantec Consulting)	<ul style="list-style-type: none"> Fresh Idea: Deployment of a passive sampling monitoring program for the early detection of cyanotoxins (Clarke Brown, Dalhousie University)
	15:15 – 15:45	<ul style="list-style-type: none"> Fresh Idea: Optimizing a microbially Enhanced Primary Treatment Process for Operational Decision Support (Jane McDonald, Dalhousie University) 	Shifting Coagulation Strategies and Filter Operations: Impacts on Water Quality at the Tap (Wendy Krkosek, Halifax Water)	Using fluorescence to explore long-term changes in organic matter in a drinking water supply (Paul Bjorndahl, Dalhousie University)
	15:45 – 16:15	True batch sequencing reactor: a flexible wastewater treatment solution (Manuel de los Santos, Aqua-Aerobic Systems Inc)	<ul style="list-style-type: none"> Fresh Idea: Detection and Quantitation of Cyanobacteria, Toxin Genes and Cyanotoxins (Josh Perry, RPC) 	Comparison of the Economics of Chemical, Biological and Activated Carbon Odour Control (Bryan Haan, Evoqua Water Technologies Ltd)
	16:15 – 16:45	<ul style="list-style-type: none"> Fresh Idea: Repurposing Buried Pipes as Casings for New Municipal Distribution Systems (Scott Batt, RV Anderson Associates Ltd.) 	Development of a Passive Sampling Strategy for Detection of Toxic Cyanobacteria in Freshwater (Dave Redden, Dalhousie University)	Monitoring advanced oxidation processes in water treatment with photoelectrochemical oxygen demand (Isobel DeMont, Dalhousie University)

Technical Program (2nd Day)

Tuesday, October 17, 2023	8:00 – 8:30	<p>Case study: Improving cold-weather ammonia removal in a northern lagoon with rope-type media system</p> <p>(Kevin Bossy, Bishop Water)</p>	<p>A Natural Progression – The Important Benefits of Integrating Green Stormwater Infrastructure into our Future Stormwater Management Plans</p> <p>(Ana M. Paerez, Stantec Consulting)</p>	<p>● Fresh Idea: Application of the Updated ACWWA Guidelines: Practical Considerations for Climate Risk Assessments</p> <p>(Lauren Fleet, Lindsay Bolton, CBCL)</p>
	8:30 – 9:00	<p>● Fresh Idea: Process Modelling, Assessment and Optimization at the Amherstview WPCP and STP</p> <p>(Aashirwad Sangal, RV Anderson Associates Ltd.)</p>	<p>Adventures Under the Cataraqui River: River Crossing Pipeline Inspection in Kingston, Ontario and Divers? What do you mean I need Divers in Cornwall ON?</p> <p>(William Jappy, Pure Technologies Ltd.)</p>	<p>Cogswell District Redevelopment Project</p> <p>(Patrick Lewis, WSP)</p>
	9:00 – 9:30	<p>Sludge Management Synergy in Loyalist Township</p> <p>(Auston Bender, RV Anderson Associates Ltd.)</p>	<p>A Tale of Ten Thousand Straws: Overview of Hollow Fiber Nanofiltration</p> <p>(Mar Lewis, Delco Water)</p>	<p>● Fresh Idea: Investigation of Biological Aerated Filtration for Improved Biochemical Oxygen Demand Reduction</p> <p>(Maggy McGrath, Dalhousie University)</p>
	14:30 – 15:00	<p>● Fresh Idea: Application, Mechanisms and Impacts of Advanced Oxidation Technologies on Drinking Water Treatment</p> <p>(Jay Li, Dalhousie)</p>	<p>CIPP Implementation in Atlantic Canada</p> <p>(Alan Ehrenholz, Brian Moreau, CBCL)</p>	<p>Solving SCADA Challenges through Design Considerations</p> <p>(Zane Spencer, Englobe)</p>
	15:00 – 15:30	<p>Halifax Peninsula Sewer Separation Program</p> <p>(Suzanna Lewis, WSP)</p>	<p>Techno-Economical Analysis of Process Intensification Technologies for Wastewater Treatment Upgrades</p> <p>(Mehran Andalib, Stantec Consulting)</p>	<p>● Fresh Idea: The Fate and Occurrence of Viruses in Freshwater Ecosystems</p> <p>(Madison Gouthro, Dalhousie University)</p>
	15:30 – 16:00	<p>Bio-solids management: based on solids minimization and energy recovery</p> <p>(Sanjeev Verma, Centrisys LLC)</p>	<p>Advancement of integral Hydrant & Valve Restraint Connections, eliminate installation variables building resiliency</p> <p>(Jeff B Jensen, Mueller Water Products)</p>	<p>Eliminating FOG and Odor in the Collection System</p> <p>(Jim Dartez, Reliant Water Technologies)</p>

● Fresh Idea Presentations

Fresh Ideas



The Atlantic Canada Water & Wastewater Association holds a presentation competition each year at its Annual Conference. All topics must be related to the water and wastewater profession. We look forward to this year's exceptional presentations!

*Victoria Row
City of Charlottetown*

The Fresh Ideas program has been developed through AWWA's Manufacturers/Associates Council and the Young Professionals Committee. The top presentation selected from this group of presenters will be given the opportunity to compete in the Fresh Ideas poster competition at the AWWA Annual Conference and Exposition (ACE), representing the Young Professionals of ACWWA.

Past ACWWA Fresh Ideas Winners Include:

2022 – Jaser Lara de Larrea
2019 – Baillie Holmes
2018 – James MacKinnon
2017 – Dewey Dunningham
2016 – Royata Sidibe
2015 – Stefana Egli

2014 – Timothy Bachiu
2013 – Jeff Diamond
2012 – Ramona Doyle
2011 – Amina Stoddart
2010 – Krysta Montreuil

Meet & Greet Featuring Water Tower Competition

Join us on Sunday for an opportunity to socialize with colleagues and other industry professionals. The meet & greet event will feature another installment of the Water Tower Building Competition.

The Greatario Water Tower Building Competition will take place on Sunday, October 15th, 2023, from 8:30 PM to 9:30 PM. This activity will allow participants the opportunity to better understand how, in this environment of fiscal restraint, utilities manage to solve problems with creative solutions.

Each team will be given identical materials. The goal of the activity is to build a tower able to balance a 250 mL (8 oz) container of water for 30 seconds. Who will build the tallest, the most creative, the most entertaining? This activity guarantees to challenge your ingenuity while meeting new people.



2023 Annual ABEA Common Hospitality Reception



Welcome... Bienvenue... Fáilte...

The Atlantic Branch Equipment Association cordially invites all ACWWA Conference Delegates and attending members to join us for an evening of music, mingling and munchies at The Old Triangle Irish Alehouse (189 Great George St., Charlottetown, PE) on Monday October 16, 2023. This multi-level venue offers ample opportunity to enjoy the music, or share in a lively conversation with friends and colleagues.

<http://www.oldtrianglecharlottetown.com/welcome/>

Festivities begin at 8:00pm, with music supplied in the Pourhouse (upper level) by Haillee & Jesse + 1, and the main floor by Tim & Donnie.

Both local favourites and regulars at the Old Triangle Irish Alehouse.

A wonderful opportunity to meet and greet your ABEA Equipment Suppliers, old friends and introduce yourself to someone new.

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

2023 Atlantic Branch Equipment Association Tradeshow

The 2023 Trade Show will be held Tuesday morning, October 17, 2023, beginning at 10:00am.

This popular event provides the equipment suppliers an opportunity to showcase their products and services, and delegates the opportunity to network with both participants and colleagues.

Prepare to be introduced to the latest technologies and services available to the Water/Wastewater Industry.

Lunch will be served during the Trade Show.

Allow time to explore and engage...there is something for everyone and more...



Casino Night Social Presented by ABEA

Join us on Tuesday evening and get ready for a great evening at the ABEA sponsored Casino Night. There will be an assortment of food and lots of fun. Games will include blackjack, let it ride poker, roulette, crown and anchor wheel, and Texas hold 'em. Bring your good luck charms! If you forget them, you can buy back into the fun supporting Water for People. The night's top players are encouraged to turn their play money into real cash donations for Water for People (tax receipts can be provided in the winner's name).



2023 ABEA Host Suppliers & Board

Thank you to the 2023 Host Suppliers and the Atlantic Branch Equipment Association Board who are helping make this year's conference a great success, and for supporting the industry at length.

- ADS
- Atlantic Purification Systems Ltd.
- Anthrafilter
- Aqua Data Atlantic
- Avensys
- Atlantic Waterworks
- Birksco-Aqualoader
- Bibby Ste-Croix
- Chemline Plastics
- Concord Supply
- Clow Canada
- Cambridge Brass
- Campbell's Concrete
- Canada Pipe
- Denyg Mechanical
- DRL Piping Solutions
- EEP Technical Solutions
- Everest Automation
- Flowstar Ind.
- Ford Meter Box
- Greatario Storage Systems
- Galaxy Plastics
- Gorman Rupp
- Hetek
- H2Flow
- HMS Networks
- Ipex Inc.
- Kemtag Enterprises Ltd.
- Liberty Pumps
- Insituform Technologies
- Magnor
- Maritime Infrastructure Technologies
- McLennan Sales (div. of EMCO)
- Mueller Canada
- Westlake Pipe & Fittings (formerly Napco-Royal)
- Neptune Technology Group
- Nulantic
- Omnitech
- Pure Technologies
- Pro-Line Fittings
- Prominent
- Reed Mfg. Co.
- Robar
- The Panel Shop
- Star
- SFC Energy
- ShadComm Ltd
- Sansom Equipment
- Sensus / KTI
- SIP Industries
- Scotia Tech
- Saunders Equipment
- Sulzer
- SIGMA Corp.
- Soleno Pipe Canada Inc.
- Veronics
- Veolia Water Solutions & Technologies
- WWOTC
- Wolseley Waterworks Atlantic
- Franklin Electric
- Xylem

Current ABEA Board:

President: Matthew Manning, IPEX

Past-President: Andrew Duguay, Soleno

Senior Director: Martin Phinney, Canada Pipe

Junior Director: Evan Macauley, Greatario

Junior Director: Andrew Burgess, Flowstar

Director-at-large: Catherine Cameron, Scotia Tech / Aqua Data



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

www.ABEA.biz

“Best of the Best” Tap Water Taste Test



Submit a sample to join in as we celebrate the 9th annual “Best of the Best” Tap Water Taste Test competition!

Our panel of water professionals will be looking for the “Best of the Best” tasting tap water here at the ACWWA Conference in Charlottetown, PE! Bring a sample of your hometown water that you supply to your customers and see where it ranks against your neighboring Atlantic Canadian communities. Samples will be judged on their appearance, odour, taste and overall impression. The competition, beginning just before the ABEA Tradeshow, will take place from 9:30 AM to 10:30 AM on Tuesday, October 17th, 2023. 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!

Join us to find out who has the best tasting water in Atlantic Canada! Entry forms, rules, and judging criteria are available on the ACWWA website at www.acwwa.ca. Entry forms are due by September 30th, 2023.

For more information, please contact Avery Gilks at agilks@cbcl.ca or Tim Gallant at tgallant@cbcl.ca



2023 Technical Tour



Join us October 15th for a tour of Stratford and Charlottetown's Wastewater Interconnection Projects.

Charlottetown is Prince Edward Islands capital city, and Stratford is the Island's fastest growing Community. Separated by the Hillsborough River, the two municipalities have been independent of one another each providing the supply of clean drinking water and wastewater collection and treatment to their respective residents. Continued growth in Stratford and increasingly stringent environmental guidelines facilitated the need for Stratford to pursue additional improvements in their wastewater treatment.

Two options were considered, construct a new wastewater treatment facility in Stratford or upgrade the Charlottetown Pollution Control Plant to accept the additional flows and pump the wastewater across the river. At the same time, the City of Charlottetown was also considering decommissioning a lagoon in East Royalty, a neighborhood of Charlottetown, which

would also require an upgrade at the Pollution Control Plant. Ultimately the decision was made to upgrade Charlottetown's wastewater treatment facility to accept additional flows from both Stratford and East Royalty.

The Stratford portion of the project was accomplished with the addition of a new triplex pumping station at the decommissioned wastewater lagoon site, approximately 2.5kms of twinned 450mm diameter force mains, sections of which needed to be suspended from the Hillsborough Bridge. Structural upgrades of the Hillsborough Bridge were also required to accommodate the new pipelines. The Charlottetown Pollution Control Plant received initial upgrades in the form of a new screening building, a new rotary drum thickener and thickening building, and the addition of a third primary clarifier. This tour will include stops at Stratford's new pumping station, the Hillsborough Bridge, and the Charlottetown Pollution Control Plant.

Water for People

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. Born out of the American Water Works Association (AWWA) in 1991; WFP have helped millions of people across nine countries get access to clean water, sanitation solutions, and hygiene education.



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. These fund-raising 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 at the 76th Annual ACWWA Conference include the Charity Silent Auction, WFP Fun Run/Walk brought to you by Sansom Equipment Ltd. and the 50/50 raffle during the Tuesday ABEA Casino Night. Prizes will include charitable donations to WFP in the name of the winners.



The Charity Silent Auction will be open for viewing and bidding throughout the conference, with bidding closing prior to the technical sessions on Tuesday afternoon. Those wishing to make donations to the Silent Auction can contact acwwa.els@gmail.com or bring the item(s) to the registration desk the first day of the conference (Sunday, October 15th).



When registering for the conference, do not forget to sign up for the 2023 Fun Run/Walk! The 5km Fun Run/Walk will be held on Monday, October 16th at 5:00 PM leaving the Charlottetown Delta and meandering through the city, along the boardwalk, and through Victoria Park. Thank you to Sansom Equipment Limited for supporting the WFP Fun Run/Walk.

WFP committee members will also be selling 50/50 tickets during the Tradeshow and Tuesday Night Social. We are also pleased to advise that this year's speakers' gifts will be charitable donations to WFP in the name of the speaker.

We look forward to seeing all the attendees at the ACWWA Conference and being able to share our passion for such a worthy cause – and a huge thank you to those who have supported the WFP charity and its past activities in previous years!

Conference Hotel



The conference will be held in the Prince Edward Island Convention Center adjoining the Delta Hotel by Marriott Prince Edward, located at 18 Queen Street in downtown Charlottetown.

A special conference room rate of \$239 to \$259 plus taxes per night is in place until September 15th, 2023. Reservations can be made using the link on ACWWA's website www.acwwa.ca, calling 1-844-4968550, or by calling the hotel directly at 902-566-2222.

Please Reserve your room by September 15th, 2023 to receive the special conference rate. Be sure to tell the hotel reservation desk that you are in the ACWWA block rate.

Sponsorship

We would like to thank the sponsors who help make this year's conference possible.

Platinum Sponsors



Gold Sponsors



Silver Sponsors



Bronze Sponsors



ACWWA Conference Registration

Please consider registering online at 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
WORK EMAIL ADDRESS		Would you like to be added to the ACWWA email list?		Are you a first-time conference attendee?	
SECTOR Utility Supplier Contractor Consultant Student Academic Regulator 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 No Sharing After Authorization On Request					

PART 2 – REGISTRATION TYPE								
Included Activities ✓ Included ✗ NOT Included			Sun Meet & Greet	Mon AGM Lunch	Mon ABEA Reception	Tue Trade Show	Tue Lunc	Tue Night Social
Register before September 11, 2023, and be entered for the early bird draw – a \$200 VISA gift card! \$150 late fee for Full Conference Delegate after October 2, 2023 If you are not a member but would like to become a member for savings benefits, contact Julie.stokes@moncton.ca								
Full Conference Delegate On or Before Oct 2, 2023	Member – \$595	Non-Member – \$745	✓	✓	✓	✓	✓	✓
Full Conference Delegate After Oct 2, 2023	Member – \$745	Non-Member – \$895	✓	✓	✓	✓	✓	✓
Full Conference Student	Member/Non-Member – \$50 Registration is free if the student is presenting a technical session		✓	✓	✓	✓	✓	✓
Monday Full Day Pass	Member – \$300	Non-Member – \$400	✗	✓	✓	✗	✗	✗
Tuesday Full Day	Member – \$300	Non-Member – \$400	✗	✗	✗	✓	✓	✓
Tuesday 1/2 Day Trade Show Pass	Member – \$150	Non-Member – \$200	✗	✗	✗	✓	✓	✗
Tradeshow Exhibitor	Costing in the next section Included items shown here		✓	✗	✓	✓	✗	✗
Part 4 – Subtotal								\$

PART 3 – TRADE SHOW BOOTH RENTAL & EXHIBITOR REGISTRATION			
Booth Rental (Max 3 Booths & 2 People/Booth) Includes as indicated in Tradeshow Exhibitor Part 2	ABEA Member – ____ Booths @ \$525	ABEA Non-Member – ____ @ \$900	\$
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 Tradeshow Exhibitor Part 2	ABEA Member – ____ @ \$75	Non-Member – ____ @ \$100	\$
EXHIBITOR'S NAME	EXHIBITOR'S NAME	EXHIBITOR'S NAME	
Part 3 – Subtotal			\$

PART 4 – ADDITIONAL MEALS & ACTIVITIES NOT INCLUDED WITH REGISTRATION

Sunday, Oct 15		
Golf – Sunday, Oct 15, Transportation, Green Fee, Shared Cart and Lunch - Limited Capacity Indicate your shirt sizes: SM____, MED____, LG , XL____, XXL	_____ @ \$85 =	\$
Technical Tour - Stratford/Charlottetown Wastewater Interconnection - Limited Capacity Sunday, Oct 15 (PPE required, Safety Boots, Hard Hat and Vest / Warm clothing)	_____ @ \$85 =	\$
Monday, Oct 16		
Additional Annual General Meeting Luncheon One ticket included with Full Conference and Monday Full Day Pass Registration	_____ @ \$85 =	\$
Tuesday, Oct 17		
Additional Tuesday Night Social Tickets One ticket is included with every Full Conference and Tuesday Full Day Registration	_____ @ \$85 =	\$
Part 4 – Subtotal		\$

PART 5 – FEES

(Part 2 + Part 3 + Part 4) Subtotal	\$
(Part 2 + Part 3 + Part 4) Subtotal	\$
HST 15% (869 924 910 RT2)	\$
Indicate your shirt size(s): SM ____ , MED ____ , LG ____ , XL ____ , XXL ____	Water for People Fun Run - _____@ \$25 Water for People Fun Walk - _____@ \$25
Total Amount Due	\$

PART 6 – PAYMENT OPTIONS

Choose a payment method. Complete as appropriate.

Cheque	Money Order	Visa	MasterCard
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Please make cheque or money order payable to "ACWWA Conference," Box 28142, Dartmouth, NS B2W 6E2.

CARD HOLDER NAME

CARD NUMBER	CVV	EXPIRY
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SIGNATURE

Fax: 902-435-7796 or Email: contact@acwwa.ca	EMAIL ADDRESS
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WHEN PAYING WITH A CREDIT CARD, AN EMAIL ADDRESS IS REQUIRED FOR A RECEIPT TO BE ISSUED
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@scotiatech.ca). For trade show questions, contact Cathy Cameron at catherine@scotiatech.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

Cancellations must be received in writing, on company letterhead, and faxed, mailed, or emailed to the ACWWA Office. Phone cancellations are not accepted. All cancellations postmarked/fax-dated 14 days before the conference start date will receive a full refund minus a 10% administrative fee. Cancellations between 7 and 14 days of the conference start will receive a 50% refund. Cancellations less than seven days before the conference will not be refunded. Please note that substitute registrants are welcome. Fax requests for substitutions or cancellations to (902) 435-7796 or email to contact@acwwa.net.

ACWWA Trade Show Cancellation Policy – Payment Options

Cancellations must be received in writing, on company letterhead, and faxed, mailed, or emailed to the ACWWA Office. Phone cancellations are not accepted. All cancellations postmarked/fax-dated 30 days before the conference start date will receive a 50% refund. Cancellations less than 30 days before the conference will not be refunded. Please note that substitute registrants are welcome. Fax requests for substitutions or cancellations to (902) 435-7796 or email to contact@acwwa.net.



2023 ACWWA ANNUAL CONFERENCE

CHARLOTTETOWN, PEI
OCTOBER 15 – 17

PRINCE EDWARD ISLAND CONVENTION CENTRE

