



# 2024 ACWWA ANNUAL CONFERENCE

FREDERICTON, NB • SEPTEMBER 22 TO 24



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# WELCOME

Holy moly, it is almost conference time! Please mark the time off and schedule your trip to join water and wastewater peers in Fredericton at the 2024 Annual ACWWA Conference September 22-24.

We are delighted to host the conference at the Fredericton Convention Center in beautiful Fredericton New Brunswick nestled along the bank of the Wolastoq (Saint John) River. The two host hotels are located in the vibrant downtown in close proximity to riverfront walking trails, art galleries, museums, as well as many fabulous restaurants and shopping experiences. The timing of this year's event will hopefully come with some wonderful weather to get out and experience what Fredericton has to offer.

Atlantic Canada has for the last few years and remains to experience high levels of growth in commercial and residential development. Paired with climate change, this welcomed development has led to our conference theme: **"A Growing Concern: Adapting for the Challenges of Tomorrow"** Given these challenges of growth and climate issues, the industry must adapt to meet the challenges of these strains on our municipal systems.

The ACWWA annual conference remains a technical conference and we have assembled a top tier technical program thanks to the quality submissions by smart and hard working individuals that are part of our valued industry. We are alike in the growth in our communities and have been scrambling and pivoting operations and planning to adapt to these challenges. Come and learn about water and wastewater processes, operations, and projects from peers that will assist you in your work.

The organizing committee has been working hard to assemble a unique and memorable experience that is sure to be a valued experience. The Conference highlights will include popular events like golfing at the Mactaquac Golf Course, technical tours, the Emerging Leaders social, ABEA Hospitality Night (Dolans Pub) and Tradeshow, as well as the "Best of the Best" water taste test. The water tower competition has been switched up to "Think Tank" Trivia Night and the Tuesday Night Social is going to provide a unique and relaxing mingling atmosphere.



The water and wastewater industry has provided critical public services for more than a century. We do important work! The industry has always embraced change to provide quality and valued services, and adapting to growth in our communities is merely another challenge. In Fredericton, the growth has led to changes in asset management. Infrastructure built to support low density is now leaned on to support higher density developments. The changing density is required to support housing needs. This has led to assessment of water and wastewater systems. Does the water main provide adequate fire flow protection? Are there any downstream sewer capacity issues? Even larger questions like: will the water supply and wastewater treatment be able to meet the future demands? What do the new population numbers say about the lifecycle of your infrastructure? It is a certainty that clean water and reliable wastewater services will be needed in our communities for years to come.

Water and wastewater professionals, asset managers, government officials, and anyone interested in the water and wastewater industry, plan on attending this year's ACWWA Annual conference in Fredericton September 22-24. Network with like-minded individuals, reunite with old friends and make new ones. Come and share your experience and knowledge as we *"Adapt for the Challenges of Tomorrow"*.

Greg McCann, 2024 Conference Chair

# MESSAGE FROM THE ACWWA CHAIR

On behalf of the ACWWA Board, I welcome all attendees – our visiting officers, delegates, vendors and emerging leaders – to the 2024 ACWWA Annual Conference in Fredericton, NB, from September 22-24. This is our local association's annual conference and tradeshow, which provides an 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 for Monday and Tuesday, focused on Adapting for the Challenges of Tomorrow. This theme resonates with changes within the water and wastewater industry and the impacts of climate change, regulatory requirements, and financial sustainability.

The program was improved following last year's feedback. There are more presentations from municipalities highlighting their knowledge and experience operating their individual water or wastewater systems, which should interest operators. Additionally, the schedule for the technical program groups sessions of common themes, which should reduce the movement between rooms and the overlap of similar topics. We feel that these changes will improve your experience at the conference and maximize the knowledge-sharing opportunities.

I would like to thank Greg McCann and his conference committee for volunteering their time over the past year to make this conference a success.

I hope to see everyone in Fredericton in September.

Jason Phillips – ACWWA Chair



## MESSAGE FROM THE MAYOR

# Fredericton

On behalf of Fredericton City Council and my fellow Frederictonians, I am pleased to welcome the 77th Annual Conference of the Atlantic Canada Water & Wastewater Association to our wonderful city.

Annual conferences are always a joy to attend, giving participants the space to catch up with and meet colleagues from across the region. Now more than ever it is important for the water and wastewater industry to be aligned to meet the challenges and demands of a growing population. Growth, while presenting challenges, also provides us the opportunity to evaluate previous approaches and develop innovative solutions.

I hope over the next few days everyone in attendance has the opportunity to reflect on the past year, have meaningful discussions, form new connections, share best practices and plan for the future.

Enjoy your time in our province's capital city and be sure to take in the varied tourism offerings in Fredericton. Our city is a destination built to be discovered, with a vast trail system, vibrant arts scene, rich history, and generous Maritime hospitality. There is something for everyone.

Thank you and take good care,



Kate Rogers, Mayor of Fredericton



## PAUL RUSH

### AWWA VISITING OFFICER

Paul Rush has served as Deputy Commissioner for the New York City Department of Environmental Protection's (DEP) Bureau of Water Supply since 2006. As Deputy Commissioner, he is responsible for operating New York City's water supply system that provides 1.1 billion gallons per day to more than nine million residents of New York City and portions of four upstate counties.

Paul began working for DEP in 1992 at a time when New York City was increasing staff to pursue a filtration avoidance determination for its supply in the Catskills after the EPA promulgated the surface water treatment rule. He worked in a variety of engineering and operations positions at DEP prior to becoming Deputy Commissioner.

Before joining DEP, Paul served on active duty in the Army as an engineer officer and continued his service in the Army Reserve until 2004.

Paul has served on the Water Research Foundation Board of Directors since 2012 and is currently serving as the Chair. He also serves as an ex officio member of the American Water Works Association Board of Directors.

Paul holds a Master of Science degree in civil engineering from Michigan Technological University and a Bachelor of Science degree in civil engineering from the United States Military Academy. He is a registered professional engineer in the state of New York.



# TRACY EKOLA

## WEF VISITING OFFICER

Tracy Ekola, PE is a member of the 2023-24 Board of Trustees for the Water Environment Federation (WEF), an international organization of water quality professionals headquartered in Alexandria, Va.

Tracy serves as vice president and Midwest senior director for Brown and Caldwell. As an executive with more than 30 years of experience in environmental engineering and business leadership, Tracy provides clear, effective communication and collaboration to maintain a positive forward-thinking environment. Her leadership experience has focused on organizational strategy, innovation and utility performance, regional and national market analyses, risk management, project management improvement processes, succession planning and leadership training and development.

Tracy has been an active member of WEF and the Central States Water Environment Association (CSWEA), participating in various committees and leadership roles spanning almost three decades. Tracy has served on the WEF House of Delegates as a delegate at large and a second term as a delegate for CSWEA. She served on the WEF House of Delegates (HOD) Budget Committee and multiple HOD workgroups. She has served as the conveyance and watershed community director and recently as Director for multiple task forces for the Community Leadership Council. She has also served on multiple WEF committees, including Government Affairs, Utility Management, and Program communities.



Tracy graduated with a bachelor's degree in civil engineering from the University of Minnesota and Executive Education Vistage International at Stanford Graduate School of Business. She resides in Minnesota with her husband, who works for the state of Minnesota in natural resources and forestry planning. They enjoy working and playing in the great outdoors along with their two sons, who are employed as electrical and mechanical engineers.

# ROBERT HALLER

## CWWA VISITING OFFICER

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.





# CONFERENCE HIGHLIGHTS

## SUNDAY SEPTEMBER 22, 2024

- 9:00 - 14:30 2024 ABEA Annual Golf Tournament
- 12:45 - 15:00 EJ Bliss Water Treatment Plant / Barker Street Water Resource Recovery Facility
- 17:00 - 19:00 Emerging Leaders Mixer – The Joyce
- 19:30 - 22:30 Meet and Greet Reception
- 20:30 - 21:00 Trivia Night

## MONDAY SEPTEMBER 23, 2024

- 7:30 - 8:30 Executive Continental Breakfast
- 8:30 - 10:00 Opening Session and Welcome
- 10:30 - 12:00 Technical Sessions – Marysville A, Marysville B, Nashwaaksis B, Barkers Point A
- 12:00 - 13:30 ACWWA AGM and Awards Luncheon
- 13:30 - 16:45 Technical Sessions
- 17:30 - 18:30 Water for People Fun Run/Walk
- 18:00 - 20:00 Dine On Your Own – Downtown Fredericton
- 20:00 - 1:00 2024 Annual ABEA Common Hospitality Event

## TUESDAY SEPTEMBER 24, 2024

- 8:00 - 9:00 Full Breakfast Buffet / “Best of the Best” Water Taste Test
- 9:00 - 10:00 Technical Sessions
- 10:00 - 14:00 ABEA Tradeshow
- 14:00 - 16:45 Technical Sessions
- 18:00 - 22:00 Tuesday Casino Night Social and Fun Food



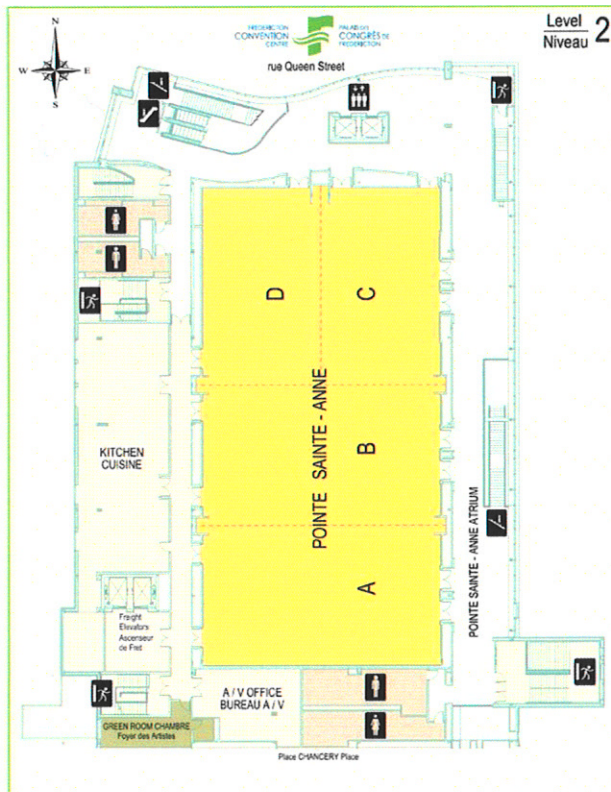
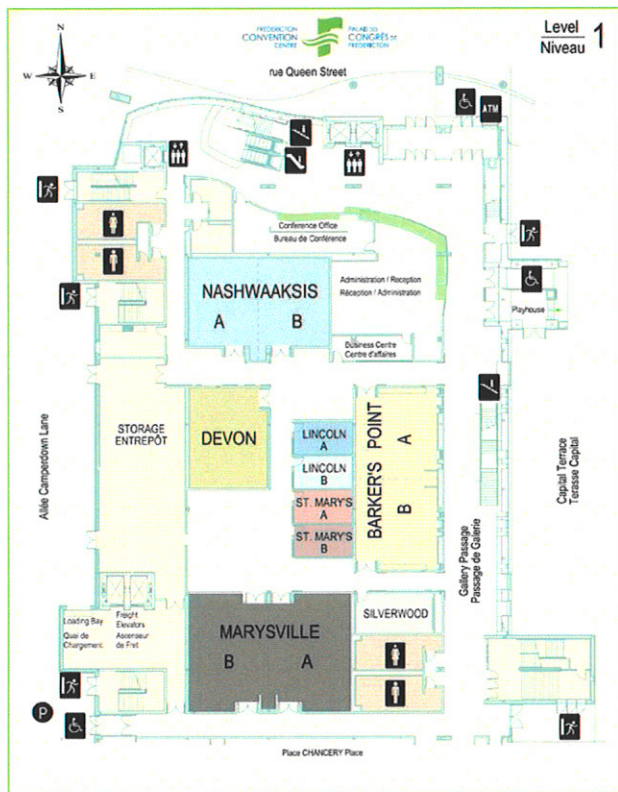
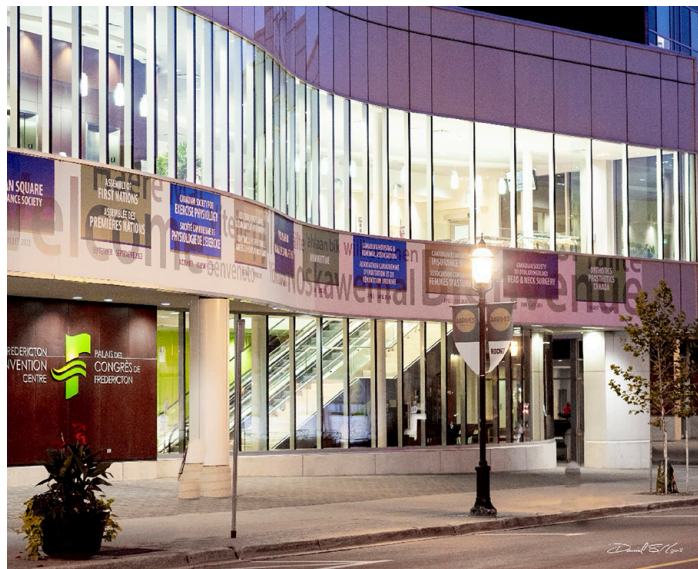
# CONFERENCE VENUE

The conference will be held at the Fredericton Convention Centre located at 670 Queen Street in downtown Fredericton. It is adjoining the Hilton Garden Inn and is across the street from the Crowne Plaza.

Rooms at conference rates are available: \$204/night plus taxes for the Hilton Garden Inn and \$224/night plus taxes for the Crown Plaza.

Reservations can be made using the link on [ACWWA's website](#) or by visiting [Hilton Garden Inn](#) or [Crowne Plaza](#).

Additional rooms may be available at Delta Hotels Fredericton at a conference rate. The Delta is a short five minute drive from the Fredericton Convention Centre.



# 2024 TECHNICAL PROGRAM

Monday	A	B	C
10:30 – 11:00	Managing Development and Infrastructure Needs with Significant Population Growth <i>Fredrick Van Rooyen, City of Fredericton</i>	Water Treatment Case Studies: Ballasted flocculation for a Resilient City <i>Laurent Oigny &amp; Christian Scott, Veolia</i>	Thunder Storm Impacts on Dam Safety <i>Perry Mitchellmore, Hamid Goharnejad, Jessica Fazio MECO Engineers</i>
11:00 – 11:30	Supply and Demand – How Fredericton’s Water Supply developed and is evolving to meet future growth <i>City of Fredericton</i>	Future-Proofing Slow Sand Filtration: Adding Ancillary Technologies to a Time-Tested Science <i>Robert LeCraw &amp; Kristof Karpiuk, MSFilter</i>	Application of A Vulnerability-Based Risk Assessment Tool for Dam Safety <i>Perry Mitchellmore, MECO Engineers</i>
11:30 – 12:00	Charlottetown Water Supply Planning <i>Richard McEwen &amp; Joshua McInnis, City of Charlottetown</i>	Breaking out of the Membrane Mold: Options and Considerations for Plant Design at Pasadena, NL <i>Wes Alexander, Membrane Specialists</i>	Modelling peatland disruption in bisected bogs and the potential impacts for source water protection <i>Rory McPhail, Dalhousie University</i>

## AGM & AWARDS LUNCHEON (12:00-1:30)

13:30 – 14:00	Mill Cove WWTF Status Update – Membrane Bioreactor (MBR) it is! <i>Olav Natvik, Stantec</i>	Cybersecurity Interactive TableTop <i>Justin Wilson, Halifax Water</i>	Threading the Needle: Navigating a Century-Old Tunnel with Dual Transmission Mains <i>Suzanna Lewis, WSP</i>
14:00 – 14:30	Sydney Harbour West WWTP – A New-Build Wastewater Treatment Case Study <i>Sarah Ensslin &amp; Holly Sampson, CBCL</i>	Can you secure remote access to SCADA? <i>Zane Spencer, MPE</i>	Interpreting a Laboratory Quality Control Report <i>Michael Doucet, ALS</i>
14:30 – 15:00	City of Fredericton Wastewater Treatment Plant – Twenty Years of Phased Upgrades <i>Mike Abbott &amp; Marc Colwell, CBCL</i>	Machine Learning and AI Applications for Municipal Water Utility Managers <i>Mike Bensen, UNB</i>	Evolving our Professional Services Training Program for Future Leaders <i>Amy Winchester, CBCL</i>

## BREAK (15:00-15:15)

15:15 – 15:45	Water Down the Road: Repairing A Critical Transmission Main While Keeping the Taps Running <i>John Eisnor, Kevin Healy &amp; Wendy Krkosek, Halifax Water</i>	Barriers and Deployment of UV-C LED Technology in Municipal Water and Wastewater Applications <i>Aaron Leber, AquiSense</i>	Monitoring of Per- and Polyfluoroalkyl Substances (PFAS) in Atlantic Canadian Source Waters <i>Manda Tchonlla, Jessica Bennett &amp; Graham Gagnon, Dalhousie</i>
15:45 – 16:15	PVC Leak Detection <i>Jason Phillips, City of St Johns</i>	UV LEDs for Wastewater Disinfection <i>Bailey Reid, Sean MacIsaac, Carolina Ontiveros, Amina Stoddart, Graham Gagnon, Dalhousie University</i>	Adapting a National Wastewater Surveillance program to NB and First Nations needs <i>Heather Cail, NSMTC</i>
16:15 – 16:45	City of Moncton – IWA/AWWA Audit(s) benefits & lessons learned <i>Julie Stokes, City of Moncton</i>	Illuminating Alternative UV Dosing Strategies <i>Kim Sayers, RV Anderson</i>	Molecular Tools for Advanced Wastewater Management <i>Amina Stoddart, Dalhousie</i>

• Indicates Fresh Ideas

# 2024 TECHNICAL PROGRAM

Tuesday	A	B	C
9:00 – 9:30	A Tale of Two Towns – Water Distribution and Treatment Challenges <i>Warren Martin, Stantec</i>	Zoning in on Sewer Separation <i>Shawn Burke, Englobe</i>	Viability qPCR, a rapid tool for detecting Legionella pneumophila in Cooling towers <i>Nishanth Kuchi•, Attiq Rehman, Matthew Poole, Nadine Godin, Michael Lawlor, Diane Botelho, RPC</i>
9:30 – 10:00	Trenchless Rehabilitation of Sanitary Forcemain Crossing the Wolastoq (Saint John River) <i>Rachel Hogge•, EXP</i>	Albro Lakes Combined Sewer Separation <i>Adam Sketchley, DesignPoint</i>	Big Data in Microbial Communities: An Analysis Toolset for eDNA in Water and Wastewater Ecosystem <i>Paul Bjorndahl, Dalhousie</i>

## TRADESHOW (10:00 - 14:00)

14:00 – 14:30	Repairs to New York's Delaware Aqueduct <i>Paul Rush, NYCDEP</i>	Harmful algal blooms: The what, why and how of implementing a risk based monitoring strategy <i>Suchandan Bernal, Halifax Water</i>	Meeting Evolving Performance Requirements for Iron and Manganese Reduction in Groundwater <i>Rick Sen, Magnor</i>
14:30 – 15:00	Navigating a Changing Future: Climate Data for the Water and Wastewater Sector <i>Jenna Miller, CLIMAtlantic</i>	Enhanced Monitoring Strategies for Toxic Cyanobacteria in Drinking Water Supplies <i>Dave Redden &amp; Clarke Brown, Dalhousie</i>	Evaluation of Drinking Water Additives on Lead Solder Corrosion in Premises Plumbing <i>Naomi Lewis•, Ben Trueman, Kalli Hood, Graham Gagnon, Dalhousie</i>
15:00 – 15:30	Climate-Driven Increases in Source Water Natural Organic Matter: Implications for the Sustainability of Drinking Water Treatment <i>Ryan Swinamer, Dalhousie</i>	Blue Green Algae (Cyanobacteria) and their toxins in Atlantic Canada's Recreational Water <i>Corrie Maston•, RPC</i>	A Holistic Approach to Phosphorus Corrosion Control <i>Kevin Sullo, Aqua Smart Inc</i>

## BREAK (15:30-15:45)

15:15 – 16:15	Year Round Cold Water Treatment Capacity Improvement Options <i>Regan Smith, Ecofixe</i>	Biomass-Derived Nanocomposites for Highly Efficient Photocatalytic Degradation of Wastewater <i>Rahil Changotra• &amp; Quan Sophia He, Dalhousie</i>	Risk Management Across Canadian Provinces: Perspectives from Operators <i>Emma Wells•, UC Boulder</i>
16:15 – 16:45	Springfield Lake Wastewater Servicing Study and Concept Design <i>Devin Bell, Stantec</i>	Removal of pollutants from wastewater using sustainable bio-adsorbent <i>Himadri Rajput• and Quan Sophia He</i>	Winning the war against wipes <i>Troy Heimerl, JWCE</i>

• Indicates Fresh Ideas

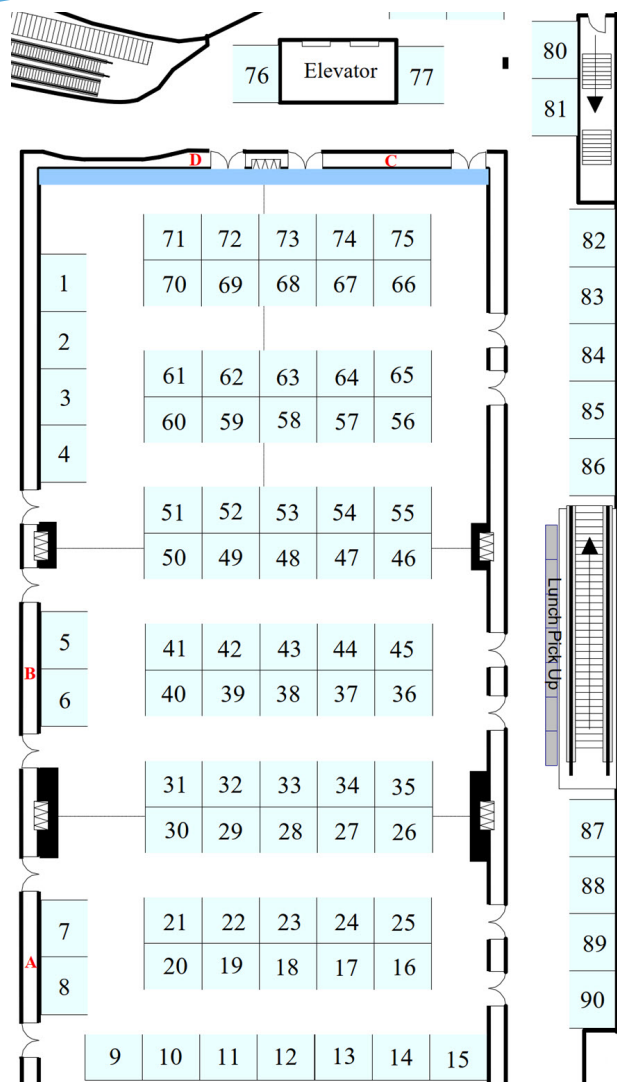
# 2024 ATLANTIC BRANCH EQUIPMENT ASSOCIATION TRADESHOW AND EXHIBITORS

The 2024 Tradeshow will be held Tuesday September 24, 2024 from 10 a.m. to 2 p.m.

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!





- |       |   |
|-------|---|
| 26    | Reed Manufacturing Company                        |
| 27    | Fernco Connectors                                 |
| 28-30 | EEP Technical Solutions Inc                       |
| 31    | Kamstrup Water Metering                           |
| 32    | Hayward Gordon ULC - EBARA                        |
| 33    | H2Flow Tanks Systems Inc                          |
| 34    | Rideau Supply                                     |
| 35    | Kemtag Enterprises Ltd                            |
| 36-37 | Nulantic Water                                    |
| 38-39 | Xylem Canada LP                                   |
| 40    | Magnor  |
| 41    | Sulzer  |
| 42    | Hach  |
| 43-45 | APS   |
| 46    | Veolia Water Technologies Canada                  |
| 47    | Atlas Copco                                       |
| 48    | Trojan  |
| 49    | Franklin Electric                                 |
| 50    | Nexom   |
| 51    | Chemline Plastics Limited                         |
| 52    | John Brooks Company                               |
| 53    | Galaxy Plastics Ltd                               |
| 54    | Engineered Pipe Group                             |
| 55    | Robar Industries                                  |
| 56-57 | Sansom Equipment Ltd                              |
| 58    | Gorman-Rupp Canada                                |
| 59    | ProMinent Fluid Controls Ltd                      |
| 60    | Cambridge Brass                                   |
| 61    | Landmark Structures                               |
| 62    | ProMinent Fluid Controls Ltd                      |
| 63-64 | Gorman-Rupp Canada                                |
| 65    | Sansom Equipment Ltd                              |
| 66    | North Fringe Industrial Technologies Atlantic Inc |
| 67    | Sigma Corporation                                 |
| 68-69 | McLennan Sales Emco Waterworks                    |
| 70    | Ipex Inc  |
| 71-72 | Soleno  |
| 73    | CLOW Canada                                       |
| 74    | Canada Pipe                                       |
| 75    | Bibby-Ste-Croix                                   |
| 76    | RPC Science & Engineering                         |
| 77    | Everest Automation                                |
| 78-79 | KD Pratt  |
| 80    | Saunders Equipment Ltd                            |
| 81    | Anchor Underwater Services                        |
| 82    | Cansel Survey Equipment Inc                       |
| 83    | EJ Canada   |
| 84    | Actemium Canada                                   |
| 85    | Atlantic Waterworks Limited                       |
| 86    | VICTAULIC   |
| 87    | Rice Resource Technologies                        |
| 88    | Hetek Solutions                                   |
| 89    | DLR Piping Solutions Ltd                          |
| 90    | Can-Am Instruments                                |

- |       |                                      |
|-------|--------------------------------------|
| 1     | Denyg Mechanical                     |
| 2     | PE Manufacturing                     |
| 3     | Continental Carbon Group             |
| 4     | Veronics Instruments Inc             |
| 5-6   | Greatario Engineered Storage Systems |
| 7-8   | Wolseley Waterworks                  |
| 9     | MUELLER                              |
| 10    | Neptune Technology Group             |
| 11-13 | Flowstar                             |
| 14    | Neptune Technology Group             |
| 15    | Ford Meter Box                       |
| 16    | VTScada By Trihedral                 |
| 17    | Englobe Corp                         |
| 18    | Star Pipe Products                   |
| 19    | AGAT Laboratories                    |
| 20    | Westlake Pipe and Fittings           |
| 21    | Advanced Drainage Systems            |
| 22-23 | Scotia Tech Aqua Data                |
| 24-25 | Omnitech                             |

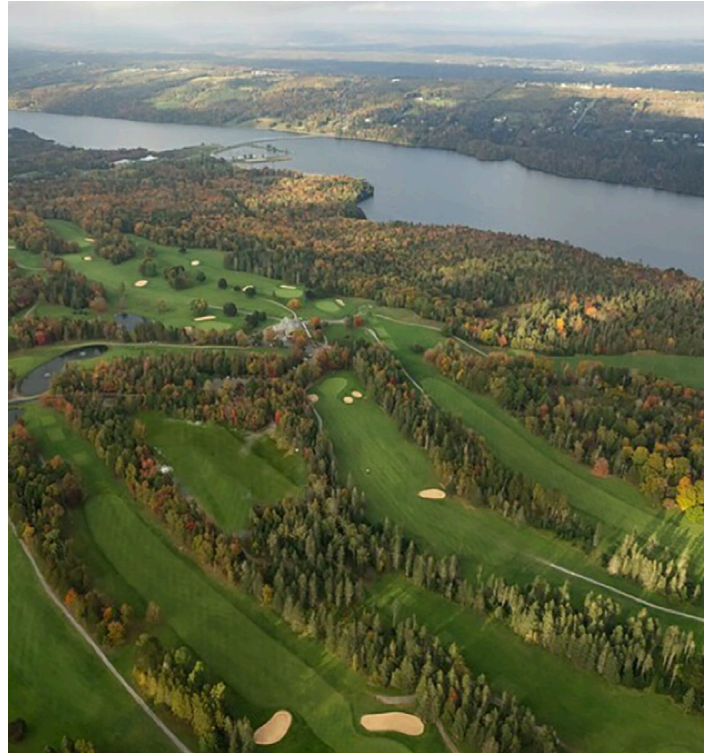
# 2024 ABEA ANNUAL GOLF TOURNAMENT

Mactaquac Golf Course – It has developed into one of the best 18-hole courses in New Brunswick. This 18-hole championship golf course, carved out of mature forest, offers a unique series of challenges for golfers of all skill levels. You'll be amazed at the exceptional value of such an unforgettable golfing experience. When it comes to quality, Mactaquac rivals many of the finest private clubs. When it comes to value, Mactaquac is in a class of its own.

1256 Route 105, Mactaquac, New Brunswick, E6L 1B5  
[www.mactaquacgolf.com](http://www.mactaquacgolf.com)  
 (506) 363-4925

We welcome you to join us for our Annual Golf Tournament being held September 22, 2024 and sponsored by the ABEA, and its individual members. Tee times commence at 9:00 a.m. with a shotgun format. Price \$85 + tax (includes green fees, shared cart, lunch and transportation – provided by CBCL Fredericton).

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).



# ACWWA TECHNICAL TOURS

On September 22nd the ACWWA Conference is pleased to offer two technical tours. Delegates may choose from the EJ Bliss Water Treatment Plant or the Barker Street Water Resource Recovery Facility.

With Fredericton experiencing an unprecedented level of growth it was necessary to construct a second water treatment plant and upgrade the main wastewater treatment facility to ensure the city had the means to meet the present level of supply and treatment and to plan for the continued future growth of the population.

## EJ BLISS WATER TREATMENT PLANT

Located on a former service station property, the EJ Bliss Water Treatment Plant (EJB) became operational in May 2009. The EJB plant uses pressurized filters for pH adjustment and manganese removal and chlorine gas for disinfection prior to entering the distribution system.

Fredericton's potable water supply has been taken from high yield production wells since 1959 located at two concentrated areas in the City's downtown core. The original wellfield presently has seven production wells directed to the William L Barrett Treatment Plant (WLB) and three wells to the EJB Plant. As the city expanded, a need for more water and redundancy became apparent, and a second well field was developed along with the EJB plant.

At the present time, there are ten production wells in service, one under construction and another in the planning phase. These two new wells will be treated at the EJB plant which will bring the plant to full treatment capacity.



## BARKER STREET WATER RESOURCE RECOVERY FACILITY

Since the original construction in 1969, the Barker Street Water Resource Recovery Facility (WRRF) has been through several changes both in treatment process and in name. When the facility was first put online, Fredericton was divided into many smaller communities and the first iteration of the plant was the Fredericton Area Pollution Control Commission (FAPCC). This commission existed up until 2014 when the Commission was dissolved once Fredericton as we know it today became the single customer.

Through the years, the plant has been upgraded to accommodate newer technologies and to increase flow capacities for a growing city. After a study of the treatment facility in 2007, a phased approach was taken to allow for continuous improvement in the treatment process, system redundancy, increased capacity, and to allow the city to spread the upgrade cost over many years. These phases included upgrades to the main lift station, a new UV system, additional aeration, a supplemental secondary clarifier, and a screening system.

The final phase of the long-term plan is a sludge thickening process which is presently under construction, and we are hopeful this new process will be operational for this tour in September.





# 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 p.m. to 7 p.m. on the opening day of the Conference, Sunday September 22 at the Joyce in Fredericton. 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 conversation with leading 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 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.

Before the Emerging Leaders event, we will also attend technical tours as two groups, attending either the EJ Bliss Water Treatment Plant or the Barker Street Water Resource Recovery Facility, from 12:45 p.m. to 3 p.m.



# MEET AND GREET RECEPTION AND THINK TANK TRIVIA

Who's ready for the 2024 ACWWA Annual Conference? Remember when we used to do water and sewer jeopardy at previous conferences? Well, we're bringing it back, just in a slightly different format. This year the format will be TRIVIA! Greatario is our sponsor and Tony Whalen is our host.

The format will include five rounds of questions. Answers will be written out, so not multiple choice. We're thinking of teams six to eight people depending upon how much interest there is. Prizes will go to the top three teams.

## ROUND 1

10 general technical questions about water and sewer. For example, name the 4 main THMs found in drinking water.

## ROUND 2

10 questions about movies and TV series that have references in them to water or sewer. For example, what was the name of the movie where a Southern California community had their water contaminated with chromium-6 and who was the star of that movie?



## ROUND 3

5 speed round questions. Each team will nominate someone to do this one. Again, water and sewer will be the theme. Whoever has their hand up first once the question is asked will respond. Points will be awarded for correct answers and points will be lost for incorrect answers. For example, what is the main reason large cities started to need wastewater treatment?

## ROUND 4

10 questions that will provide facts about various bodies of water around the world and you have to name it. For example, what is the artificial sea-level waterway in Egypt, connecting the Mediterranean Sea to the Red Sea?

## ROUND 5

10 audio clips will be played, and you will have to name the song title and the artist(s). All songs will include or be about water or sewer. For example, Waterfalls by TLC.

It's going to be a lot of fun!

# COMMITTEE MEETINGS

## ACWWA BOARD MEETING

Devon Room, Sunday

## YP ANNUAL MEETING

Devon Room, Sunday

## ABEA AGM

Devon Room, Monday 10 a.m.

## ACWWA AGM

Pointe Sainte-Anne A and B, Monday noon

## PAST CHAIR MEETING

Silverwood Room, Tuesday

# 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 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 at the 77th Annual ACWWA conference include the Charity Silent Auction, WFP Fun Run/Walk, and the 50/50 raffle during the Sunday and Tuesday Night Socials. Prizes will include charitable donations to WFP in the name of the winners.



water for people  
CANADA

## WATER FOR PEOPLE EVENTS

The Charity Silent Auction will be open for viewing and bidding throughout the conference in room Nashwaaksis A, 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](mailto:acwwa.els@gmail.com), or bring the item(s) to the registration desk the first day of the conference Sunday September 22nd.

When registering for the conference, do not forget to sign up for the 2024 Fun Run/Walk! The 5 km Fun Run/Walk will be held on Monday, September 23 at 5:30 p.m. and will start from the Convention Centre. This event will allow participants to see several of Fredericton's iconic picture scenes in the Carleton Street Pedway, the Lighthouse, Christ Church Cathedral, the Bill Thorpe Walking Bridge, the Nashwaak Walking Bridge, and one could argue with this crowd, the Wastewater Treatment Facility. Thank you to Sansom Equipment Limited for supporting the Run/Walk.

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

## FUN RUN ROUTE

Meet in front of the Crown Plaza for a 5:30 p.m. start. The route will leave the Crown Plaza and connect with the South Riverfront Trail between the Crown Plaza and the Beaverbrook Art Gallery. At the Trail, the route will head west along the riverfront, and past the lighthouse before looping around underneath the Carleton Street Pedway and head east on the trail past the crown Plaza and Beaverbrook Art Gallery, along The Green to the Bill Thorpe Walking Bridge. The route will cross the walking bridge and then take a sharp right towards the Nashwaak River Walking Bridge. The turnaround point will be just past the eastern end of the bridge. Anyone measuring distance can turn at approximately 3.1km. A pylon will be on the trail at this location as well. From the turnaround point, the route will return to the front of the Crown Plaza by turning left from the trail between the Crown Plaza and Beaverbrook Art Gallery. The route does not have any road crossings and will allow participants to see several of Fredericton's iconic picture scenes in the Carleton Street Pedway, the Lighthouse, Christ Church Cathedral, Bill Thorpe Walking Bridge, Nashwaak Walking Bridge, and one could argue with this crowd, the Wastewater Treatment Facility.



# THE 2024 ANNUAL ABEA COMMON HOSPITALITY EVENT

**WELCOME... BIENVENUE... KULAHSIHKULPA...**

The Atlantic Branch Equipment Association cordially invites all ACWWA Conference delegates and attending members to join us for the 15th Annual Common ABEA Hospitality



Event to be held at Dolan's pub.  
39 King Street, Downtown Fredericton

Festivities will be happening Monday from 8 p.m. to 1 a.m., with entertainment provided by The MIX. An evening of music, mingling and munchies.

This is 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 premiere/ private event.



# BEST OF THE BEST TAP WATER TASTE TEST



Submit a sample to join in as we celebrate the 10th 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 Fredericton, NB! Bring a sample of your hometown water that you supply to your customers and see where it ranks against your neighbouring 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 8 a.m. to 9 a.m. during morning breakfast on Tuesday, September 24, 2024 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!

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](http://www.acwwa.ca). Entry forms are due by September 10, 2024.

Thank you to the North Shore Mi'kmaq Tribal Council for supporting the “Best of the Best” Tap Water Taste Test.

For more information, please contact Scott Grasman at [Scott.Grasman@fredericton.ca](mailto:Scott.Grasman@fredericton.ca).



# TUESDAY CASINO NIGHT SOCIAL AND FUN FOOD

Get ready to roll the dice and test your luck at our spectacular Casino Night! Experience the thrill of Las Vegas right in Fredericton, complete with classic games like blackjack, roulette, and poker. Enjoy finger-licking good pizza, tacos and more as you make connections with industry friends and fellow high rollers.

Whether you're a seasoned player or a curious newbie, our friendly dealers will guide you through the games, ensuring everyone has a fantastic time. Dress to impress and bring your game face—there will be fabulous prizes for the evening's top players!



## ACWWA 2023-24 BOARD

Executive Director	Clara Shea
Chair	Jason Phillips
First Vice-Chair	John Lam
Second Vice-Chair	Wendy Krkosek
Past Chair	Cathy Cameron
Secretary Treasurer	Rob Gillis
AWWA Director	John Eisnor
WEF Delegate	Dave Galbraith
Education Director	Adam Sketchley
Member Involvement Director	Kyle Rauch
Government Relations Director	Mike Abbott
Membership Director	Julie Stokes
Communications Director	Lindsay Wilcott
Technical Director	Lindsay Anderson
ABEA Director	Cathy Cameron

## ACWWA COMMITTEE CHAIRS

Cross Connection Control	Stephen Woods
Emerging Leaders	Helena Steeves, Andrew Burgess
Water for People	Gillian Stranton
Government Affairs	Michael Brophy
Operator Involvement	Peter Larson
Education	Adam McKnight
Scholarships	John Kelly
AWWA Membership	Gabriel Belliveau
WEF Membership	Brandon Howard
Volunteers	Aaron Ryan
Technical Papers	Julianne Hache
2024 Conference Chair	Greg McCann
Magazine	Katherine McCaull
Technical Knowledge	Amina Stoddart
Social Media	Melissa Fraser
Inclusion, Diversity and Equality	Dallys Serracin

## 2024 ACWWA CONFERENCE COMMITTEE

Chair	Greg McCann
Registration	Vikki Hallihan, Ashley Sheppard
Facilities & Catering	Marc Colwell, Matt Nicholson
Technical Program	Lindsay Anderson, Neil Thomas, Sylvie Morton
Entertainment	Evan Embree, Mark Kohler, Tristan Blair-Hicks
Sponsorship	Sarah Young, Hans Arisz
ABEA Tradeshow/ Golf/ Hospitality Night	Cathy Cameron Marc Colwell, Vikki Hallihan, Trent Brewer
Technical Tours	France Castonguay, Greg McCann
Publicity and Media	
Emerging Leaders and Water for People	Kyle Rauch
Special Events	Scott Grasman, Tony Whalen
ACWWA Executive Director	Clara Shea

## 2023-24 ABEA EXECUTIVE

President	Martin Phinney
Vice President	Evan MacCauley
Past President	Matthew Manning
Sec/Treasurer	Kyle Gracie
Senior Director	Andrew Burgess
Junior Director	Adam Harley
Junior Director	Sean Hogan
Director-at-large	Cathy Cameron



# ACWWA CONFERENCE REGISTRATION FORM

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		AWWA 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						
Would you like to be a conference mentor <input type="checkbox"/> Yes <input type="checkbox"/> No Would you like to have a conference mentor <input type="checkbox"/> Yes <input type="checkbox"/> No						

PART 2 – REGISTRATION TYPE										
Included Activities <input checked="" type="checkbox"/> Included <input checked="" type="checkbox"/> NOT Included <input checked="" type="checkbox"/>				Sun Meet & Greet	Mon AGM Lunch	Mon ABEA Reception	Tue Trade Show	Tue Luncho	Tue Night Social	
<b>EXTENDED!</b>										
Register before August 30, 2024, and be entered for the early bird draw – a \$300 VISA gift card!										
\$200 late fee for Full Conference Delegate after September 2, 2024										
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>										
Full Conference Delegate <i>On or Before Sept 2, 2024</i>	<input type="checkbox"/> Member – \$595	<input type="checkbox"/> Non-Member – \$795		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	\$
Full Conference Delegate <i>After Sept 2, 2024</i>	<input type="checkbox"/> Member – \$795	<input type="checkbox"/> Non-Member – \$995		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	\$
Full Conference Student	<input type="checkbox"/> Member/Non-Member – \$75 <i>Registration is free if the student is presenting a technical session</i>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	\$
Monday Full Day Pass	<input type="checkbox"/> Member – \$350	<input type="checkbox"/> Non-Member – \$450		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	\$
Tuesday Full Day	<input type="checkbox"/> Member – \$400	<input type="checkbox"/> Non-Member – \$500		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	\$
Tuesday 1/2 Day Trade Show Pass	<input type="checkbox"/> Member – \$200	<input type="checkbox"/> Non-Member – \$250		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	\$
Tradeshow Exhibitor	<input type="checkbox"/> Costing in the next section		Included items shown here <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	\$
<b>Part 4 – Subtotal</b>										\$

PART 3 – TRADE SHOW BOOTH RENTAL & EXHIBITOR REGISTRATION			
Booth Rental (Max 3 Booths & 2 People/Booth) <i>Includes as indicated in Tradeshow Exhibitor Part 2</i>	ABEA Member – ___ Booths @ \$600	Non-Member – ___ Booths @ \$1000	\$
EXHIBITOR'S NAME	EXHIBITOR'S NAME	EXHIBITOR'S NAME	
EXHIBITOR'S NAME	EXHIBITOR'S NAME	EXHIBITOR'S NAME	
Extra Booth Exhibitor Registration <i>Includes as indicated in Tradeshow Exhibitor Part 2</i>	ABEA Member – ___ @ \$75	Non-Member – ___ @ \$100	\$
EXHIBITOR'S NAME	EXHIBITOR'S NAME	EXHIBITOR'S NAME	
<b>Part 3 – Subtotal</b>			\$

# ACWWA CONFERENCE REGISTRATION FORM

## PART 4 – ADDITIONAL MEALS & ACTIVITIES NOT INCLUDED WITH REGISTRATION

### Sunday, Sept 22

Golf – Sunday, Sept 22, Transportation, Green Fee, Shared Cart and Lunch - <b>Limited Capacity</b> Indicate your shirt sizes: SM____, MED____, LG____, XL____, XXL_____	___ @ \$85 =	\$
Do you require transportation yes_____ no_____		
Technical Tour –EJ Bliss Water Treatment Plant Sunday, Sept 22 (PPE required, Safety Boots, Hard Hat and Vest / Warm clothing)	___ @ \$20 = (Tours are concurrent)	\$
Technical Tour – Barker Street Wastewater Treatment Facility Sunday, Sept 22 (PPE required, Safety Boots, Hard Hat and Vest / Warm clothing)	___ @ \$20 =	\$
<b>Monday, Sept 23</b>		
Additional Annual General Meeting Luncheon <i>One ticket included with Full Conference and Monday Full Day Pass Registration</i>	___ @ \$85 =	\$
<b>Tuesday, Sept 24</b>		
Additional Tuesday Night Social Tickets <i>One ticket is included with every Full Conference and Tuesday Full Day Registration</i>	___ @ \$105 =	\$
<b>Part 4 – Subtotal</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>		\$

## 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
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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: <a href="mailto:contact@acwwa.ca">contact@acwwa.ca</a>	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](mailto:catherine@scotiatech.ca)). For trade show questions, contact Cathy Cameron at [catherine@scotiatech.ca](mailto: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](mailto: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](mailto:contact@acwwa.net).

# THANK YOU TO OUR CONFERENCE SPONSORS!

## PLATINUM

(Current as of August 2024)



## GOLD



SILVER



BRONZE



THINK TANK TRIVIA



WATER TASTE TEST



MONDAY BREAKFAST



EMERGING LEADERS MIXER



WATER FOR PEOPLE FUN RUN

