

October 2-4, 2022 | Hilton Saint John



# UNCERTAINTY TO **OPPORTUNITY**

SAINT JOHN • NEW BRUNSWICK

# 2022



**ATLANTIC CANADA**  
WATER & WASTEWATER ASSOCIATION

American Water Works Association  
Atlantic Canada Section

Water Environment  
Federation  
the water quality people®



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**Michael Baker**  
Co-Chair, P.Eng



**Barb Crawford**  
Co-Chair, P.Eng

## A Message from the Conference Co-Chairs

On behalf of the Conference Organizing Committee, we are extremely excited to extend an "in person" invitation to you to attend the 75th Annual Conference of the Atlantic Canada Water and Wastewater Association in Saint John New Brunswick from October 2nd to 4th at the Saint John Hilton.

Saint John is growing from the inside out – from the Hilton you'll have a window seat to the exciting changes at the Fundy Quay Waterfront Development site, Market Slip Plaza reimagination and the Port Saint John Modernization project.

The conference theme this year is "Uncertainty to Opportunity". The past few years have forced organizations to pivot, adapt and become flexible as they discover new paths for delivery of their services. We want to embrace these challenges and find out what opportunities have come from the past two uncertain years.

Our keynote address will be given by Ryan Mitchell, P.Eng, President & CEO of Saint John Energy. SJ Energy has many similar parallels to the water and wastewater industry which has to deal with the challenges of extending budgets farther and farther each year with limited new customers. We are looking forward to hearing Ryan's insights on creating new opportunities and taking control of your own path in these uncertain times.

Our Technical Program includes many great papers from a varied cross-section of the water and wastewater industry. New to ACWWA this year is Hydrant Hysteria which is a fast-paced competition where two-member teams assemble a hydrant as quickly as they can. This event ought to be very exciting and we are looking forward to crowning the winning team.

We have some traditional and unique water related tours to choose from this year ranging from Moosehead Breweries where they treat their water for brewing, the Clow Canada manufacturing plant where they fabricate fire hydrants, valves and water/wastewater accessories to a tour of the City of Saint John's new Water Treatment Plant. All the tours have limited spots available so sign up quickly to avoid missing out. Different from previous years this year will include an ABEA social on Tuesday night where attendees can mingle and socialize with other attendees while enjoying a comedy performance by James Mullinger. Food will be available at this social event so there is no need to eat before.

Excitement is growing as this will be the first in-person ACWWA conference in two years so we are anticipating that attendance will exceed everyone's expectations – an even better reason for you to not miss out on this event.

**We look forward to seeing you there!**

*Michael Baker Barb Crawford*



## ACWWA ANNUAL CONFERENCE



## A Message from the ACWWA Board Chair

**Catherine Cameron, ACWWA Chair**

### Welcome to the 2022 ACWWA Annual Conference.

On behalf of the ACWWA Board I welcome all attendees - our visiting dignitaries, delegates, vendors, and emerging leaders.

Your conference committee has been busy in the background preparing for a stellar event, with a degree of anticipation and fear after being virtual for the past two years. It is like the first time all over again. We are certain you will be pleased with your experience and the value of the product.

### Maybe the anticipation is a key part of the event...

The Technical Program is strong, with tours that are creative and educational.

Hydrant Hysteria is new to the program for this year, and we look forward to cheering the teams on. Bragging rights are at stake with this inaugural event, with an eye to annual competitions.

The Trade Show will have 90 display booths and the vendors are looking forward to seeing their current customers in-person, meeting new ones, and sharing both new and improved technologies.

The ABEA are looking forward to returning to the golf course on Sunday morning,! Their Monday evening Hospitality Event is always a huge success as is their Trade Show. New this year, the ABEA are the sponsors of the Tuesday evening - Meet, Eat, Greet, and be Entertained! We thank them for thier continued support.

The conference is the culmination of the year-over year work that goes into bringing our premiere educational event to each province in the cycle. As much as COVID may have upset the rhythm of our lives the ACWWA didn't miss a beat as it continued to work on ways in which to bring new material and delivery methods to our members.

We are a resilient group, and the theme of this year's conference could not be more fitting.

### “Uncertainty to Opportunity”

We must say - Thank You! - to our many sponsors and volunteers. Without the many individuals and groups involved we would not be the success we are. Learn something and/or meet someone new each day...

### Stay safe and healthy

Catherine Cameron, ACWWA Chair



## Keynote Address

### **Ryan Mitchell , President & CEO of Saint John Energy**

As the President & CEO of Saint John Energy, Ryan is passionate about energy innovation, sustainability and economic development in New Brunswick. Ryan is a graduate of NBCC, UNB and is an alumni of the Wallace McCain Institute Strategic Executive program. He is a registered engineer in New Brunswick and has an MBA as well as over 20 years of engineering experience in diverse and progressive management positions with most of his experience coming from the telecommunications sector. Ryan was also recently named to Canada's Clean50 list as one of Canada's top sustainability leaders in 2021.





## ACWWA ANNUAL CONFERENCE



## AWWA Representatives

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### **Cody Finan, Section Relationship Manager American Water Works Association**

Cody Finan is a Section Relationship Manager at the American Water Works Association headquarters in Denver, CO, a role he has held for over four years. During his time with AWWA, Cody has visited many Section conferences, planned training events, and collaborated with Sections in Canada and the northeastern US to enhance their capacity to serve members locally. Cody's experience includes time spent working in state government and over seven years in the nonprofit sector in fundraising, community engagement and volunteer management. He holds a B.S. in political science and a Master of Public Administration from Southern Illinois University Edwardsville. Cody lives in Littleton, CO with his wife, Rachel, and their dog.



Denver, Colorado



## AWWA Representatives

### **Jon Eaton, Treasurer American Water Works Association**

Jon Eaton is the Superintendent of Utilities for the City of Eagan, the ninth largest city in Minnesota. He manages the water, sanitary, and storm systems, and cellular leasing.

Prior to Eagan, Jon was the Water Quality Supervisor for the City of Bloomington, Minnesota and managed water production and treatment, wholesale water purchases, distribution water quality, and the William Lloyd / Tri-City Analytical Laboratory.

Jon graduated with a Bachelor of Chemistry from the Institute of Technology at the University of Minnesota Twin Cities Campus.

Jon has been a member of AWWA for over 25 years, is an AWWA Utility Member, Research Foundation subscriber, and a Water Equation and Water For People supporter. He has significant experience at the Association and Section levels, and was honored with AWWA's George Warren Fuller Award in 2008 and the Minnesota Section's Leonard N. Thompson Award for Distinguished Service in 2013.

Jon has traveled to Africa and Central America to help villages address water supply and distribution issues, manage and participate in public infrastructure projects, and assist with education and medical services.

Jon lives near Minneapolis, Minnesota with his wife Robin, a registered nurse, and has two daughters, Aimee, a licensed school counselor and Rachel, a research analyst/data scientist.



Eagan, Minnesota





## WEF Representative

### **Janet Hurley, Board of Trustees for the Water Environment Federation**

Janet Hurley Cann, P.E., is a member of the 2021-22 Board of Trustees for the Water Environment Federation (WEF), an international organization of water quality professionals headquartered in Alexandria, Va.

Janet brings extensive experience to her role as the Asset Engineering Manager for the Collection and Distribution Department of Spartanburg Water, a combined commission of public works and special purpose district providing water and wastewater services in Upstate South Carolina. She began her career in the environmental field more than 35 years ago as a regulator at the South Carolina Department of Health and Environmental Control (SCDHEC), before beginning her employment with the Spartanburg Sanitary Sewer District in the late 1980's.

After retiring from Spartanburg Water in 2015, Janet continued to work as a consultant for an upstate engineering firm, until lured back to public service, returning to Spartanburg Water as Asset Engineering Manager for the collection and distribution systems rehabilitation program. Through the course of her career, she has managed a variety of projects, including collection system expansion, pump station and treatment plant construction and upgrades, the development of the District's first collection hydraulic model, and now the rehabilitation of both the distribution and collection systems.

Janet is in fact a second generation WEF member – her father, Noel Hurley, represented the Water Environment Association of South Carolina (WEASC) as Director, a forerunner to the Delegate, in the late 1980s. She has been a member of the WEASC since 1985 and WEF since 1987.

Janet has held many leadership roles, including service on numerous WEASC committees such as the Association Secretary from 1987 to 2003, as President from 2009-2010, and WEF Delegate from 2010-2013. She has participated on several WEF Committees and served WEF as Speaker of the House of Delegates from 2013-2014, Treatment Community of Practice Director from 2015-2017, and Vice Chair and Chair of the Committee Leadership Council from 2017-2021.

Janet is a native of South Carolina, currently residing in Spartanburg, SC, with her husband and two children. She received her Bachelor's Degree in Civil Engineering from Clemson University and Master's Degree in Civil Engineering from the University of South Carolina. She is a licensed engineer and biological wastewater operator trainee in the state of South Carolina.



## CWWA Representative

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**Robert Haller, Executive Director of the Canadian Water and Wastewater Association**

Robert Haller is the executive director of the Canadian Water and Wastewater Association, a role he took on after almost 20 years as a senior municipal administrator although he claims to be a geographer first.

Robert leads the CWWA as THE national voice for water and wastewater in Ottawa and promotes collaboration between all the water organizations across Canada. While the CWWA addresses all topics related to water, Robert has been more involved personally in issues around infrastructure funding, value of water campaigns and the effort to address the concerns around flushable wipes.

As for qualifications as a water tasting judge, Robert states he has liked water his whole life...while he prefers it best when mixed with barley and hops....a preference he developed while serving in the Navy in Halifax.



Ottawa, Ontario



## Conference Highlights

10.02.2022  
**SUNDAY**

**10:00am** .....ABEA Golf Tournament at Rockwood Park Golf Course  
**2:30pm-4:30pm** .....Technical Tour of Moosehead Breweries  
**5:30pm-7:30pm** .....Emerging Leaders Event and Mixer - Gahan House Port City  
**7:30pm – 10:30pm** .....Meet & Greet Reception  
**8:30pm - 9:30pm**.....Water Tower Competition

10.03.2022  
**MONDAY**

**8:30am – 10:00am**.....Opening General Session  
**10:30am – 12:00pm** .....Technical Sessions  
**12:00pm – 1:30pm** .....ACWWA AGM & Awards Luncheon  
**1:30pm – 2:30pm** .....Hydrant Hysteria  
**2:30pm – 4:00pm** .....Technical Sessions  
**3:00pm – 4:30pm** .....Technical Tour of the Clow Canada fire hydrants, valves and water/wastewater accessories manufacturing plant  
**5:00pm** .....Water For People Fun Run / Walk  
**6:00pm** .....Dine on Your Own in Uptown Saint John  
**9:00pm – 1:00am**.....ABEA Common Hospitality Reception

10.04.2022  
**TUESDAY**

**8:00am – 9:30am**..... Technical Sessions  
**9:30am – 10:30am**..... “Best of the Best” – Tap Water Taste Test  
**10:00am – 2:00pm**..... ACWWA/ABEA Tradeshow  
**2:00pm – 4:00pm**..... Technical Sessions  
**2:00pm – 4:00pm**..... Technical Tour of the Loch Lomond Drinking Water Facility  
**6:30pm**..... ABEA Meet, Eat, Greet, and be Entertained!



## 2022 ABEA Annual Golf Tournament

We welcome you to join us for our Annual Golf Event being held on October 2, 2022, and sponsored by the ABEA, and its individual members.

Rockwood Park Golf Course is an 18-hole municipal golf course located in Saint John's Rockwood Park, one of the largest urban parks in North America.

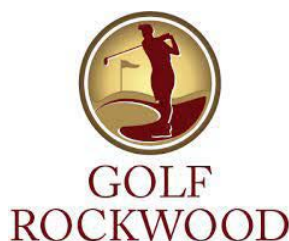
Regardless of season, a round at Rockwood Park Golf Course is a treat to the wonders of nature. Set amid a 2200-acre pristine urban park its not uncommon to share your time with deer, groundhogs, small fox, and ducks.

While a relatively short course, at 5925 yards, our unique hillside terrain presents an exciting challenge that truly rewards and keeps the ball in play. This is one of those rare courses that seems to play much longer than the scorecard yardage indicates, and is incredibly challenging from the back tees, yet offers a very playable and fair challenge from the middle and forward tees for the less skilled players.

The course provides a memorable, visually dramatic, golf experience. All golfers, regardless of age or ability, can experience the course fairly and be equally challenged and rewarded. Tee times commence at 10:00am – format to be determined based on registration numbers. Lunch will be provided.

**\$85.00 + tax**  
**(Green fees & shared cart)**

Put your team together, or we will be pleased to place you with a group (forward requests directly to Catherine@scotiatech.ca) – all ability levels welcome...rental clubs are available for an additional fee (arrangements to be made directly with the course – <http://rockwoodgolf.ca/>)



**\*\*Please note that only registrations received by September 1, 2022 will be guaranteed "swag".**



## ACWWA ANNUAL CONFERENCE



## Emerging Leaders

Look out for our Emerging Leaders networking event at the ACWWA Annual Conference Sunday October 2nd. Get to know leading figures from the industry and other Emerging Leaders through Speed Networking style chats.





# Conference Program

## MONDAY

10:30 – 11:00	11:00 - 11:30	11:30 - 12:00
<b>TransAqua WWTF Upgrade to Biological Treatment</b> Year One Retrospective (Mike Abbott: CBCL)	<b>Rothsay WWTP Technology Innovation</b> (David McKenna: Dillon Consulting Limited)	<b>Winterize your lagoon: Nitrification below 1</b> (Marc Larivière, Christian Scott: VWT Canada)
<b>And the Medal for Metal Mitigation Goes to... Mussels!</b> The Role of Freshwater Mussels in Water Treatment (Alicia Penny, Kellie White, Anthony Mazzocca: Cape Breton University / Cape Breton Regional Municipality)	<b>Brownification:</b> Causes and Implications of Changing Source Water Quality on Drinking Water Treatment (Lindsay Anderson: Dalhousie University)	<b>Atlantic Canadian Surface Waters and Natural Organic Matter –</b> Finding a Common Ground between Industrial Processes and Potable Water (Jillian Flanagan, Mitra Mehrabani: Stantec Consulting Ltd.)
<b>Backflow compliance-</b> City of Moncton's success story on ensuring public safety from source to last drop (Julie Stokes: City of Moncton)	<b>1800mm Raw Water Transmission Main Repair</b> (Jason Leclerc: Saint John Water)	<b>City of Ottawa's Multi-Purpose Wet Weather Management Solution:</b> Success with Integrated Planning and Operational Integration - from Concept through to Implementation (Adrien Comeau: Stantec Consulting Ltd.)
14:30 - 15:00	15:00 - 15:30	15:30 - 16:00
<b>Wastewater Effluent Dispersion Studies</b> (Natasha Horsman: Englobe Corp.)	<b>UV Audit of Four Wastewater Treatment Facilities in Nova Scotia, Canada:</b> Determining System vs Matrix Limitations (Kyle Rauch: Dalhousie University)	<b>What are the Long-Term MBR Plant O&amp;M Costs and Risks:</b> The Oxford PCP Experience (Olav Natvik: Stantec Consulting Ltd.)
<b>One Water, One Data:</b> Utility wide adoption of consolidated water quality data management and analytic applications (Adam McKnight: Halifax Water)	<b>Building a Water Distribution Model for Hydraulic Analysis in the EPANET Application Utilizing a GIS Software</b> (Mohamed Osman: Atlantic First Nations Water Authority Inc.)	<b>Building an Asset Management System to Facilitate Capital Planning for Atlantic First Nation Water and Wastewater Systems</b> (Julie DiCicco & John Lam: Dillon Consulting Limited / AFNWA Inc.)
<b>Standardized Water Treatment in Nunavut</b> (David McKenna: Dillon Consulting)	<b>Treatment of Biofilms and Opportunistic Pathogens in Simulated Drinking Water Distribution Systems Using UV LED</b> (Carlos Jaser Lara de Larrea: Centre for Water Resources Studies (CWRS) - Dalhousie University)	<b>Integration of UV LED disinfection with chlorine for a small water supply</b> (Xuedongzi Jiang: Dalhousie University)

Fresh Ideas Presentations



## ACWWA ANNUAL CONFERENCE

### TUESDAY

8:00 – 8:30	8:30 - 9:00	9:00 - 9:30
<b>I&amp;I in 2022 The Times they are A-Changin’</b> (Barbara Robinson: Norton Engineering)	<b>The Moncton Story - Stormwater Management from Inlet to Outlet and All Points In-between</b> (Jody Malo & Darryl Bonhower: Omnitech Inc. / City of Moncton)	<b>Greater Shediac Sewerage Commission WWTF Upgrades</b> (Chris Gallant: Englobe Corp.)
<b>Advancements in Elevation (Z) Mapping for Watermains</b> (Gerald Bauer, Krista Flanagan: Stantec Consulting Ltd.)	<b>Integrated Urban Drainage Modeling - Rising to the Challenge of 21st Century Urban Flood Risk in a Changing Climate</b> (Dave Eadie: Stantec Consulting Ltd.)	<b>Operations, Maintenance and Asset Management:</b> Opportunities for Information Sharing (Martha Myers: AIM Network)
<b>Proactive Approach to Transmission Main Condition Assessment –</b> St. John's Regional Water Supply – Final Analysis (William Jappy: Pure Technologies Ltd.)	<b>Renovation of a DN 250 fresh water main under a river in Winnipeg, Manitoba</b> (Simon Richtmann: Primus Line)	<b>What a Couple of Years! Leveraging Technology to Facilitate Remote Collaboration &amp; Enhanced QA/QC</b> (Ashley LeMasurier: Stantec Consulting Ltd.)
14:00 - 14:30	14:30 - 15:00	15:00 - 15:30
<b>Wastewater Surveillance of SARS-CoV-2 in Nova Scotia</b> (Graham Gagnon: Dalhousie University)	<b>Applying Wastewater-Based Epidemiology to a Small-Scale Wastewater System in Nova Scotia</b> (Meghan Swanburg: Dalhousie University)	<b>Use of Laser Scanning Technology for Process Facility Design</b> (Matt Balcombe, Katherine MacCaul : Dillon Consulting)
<b>Automatic Irrigation of Cannabis in Colombia</b> (Mario Camacho: TAMPAC SAS)	<b>Release of Atlantic Canada Water and Wastewater Guidelines</b> (Amy Winchester: CBCL Limited)	<b>Assessment of the CSO Reduction Strategy for the Greater Moncton Sewer Commission using Long-Term Computer Modelling</b> (Victoria Fernandez: CBCL Limited)
<b>Development of a Novel Passive Sampling Approach For Monitoring Geosmin And 2-MIB BY GC-MS in Source Water</b> (Theresa Afi: Centre for Water Resources Studies (CWRS), Dalhousie University, Halifax)	<b>Assessing the Feasibility of Passive Sampling for Early Detection of Cyanobacteria Using RT-QPCR Analysis</b> (Dave Redden: CWRS Dalhousie)	<b>Case History: Flow Test of 100-year-old Cement-mortar lined Cast Iron Pipe</b> (Sam Ghosn, P.Eng: DIPRA (Ductile Iron Pipe Research Association))
15:30 - 16:00		
<b>Odour Control Systems in Wastewater Treatment Plants</b> (Linda Cooke-Weaver: Wolseley Canada Inc.)	<b>Challenges of Water and Wastewater Infrastructure in Nunavut</b> (Sarah Collins, Paul Clow: Government of Nunavut)	<b>Developing a Modified Approach of a Receiving Water Study in Complex Ambient Conditions</b> (Jennifer Bainbridge: Dillon Consulting Limited)



## ACWWA Fresh Ideas Program

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 years exceptional presentations!

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:

2019 - Baillie Holmes

2018 - James MacKinnon

2017 - Dewey Dunningham

2016 - Royata Sidibe

2015 - Stefana Egli

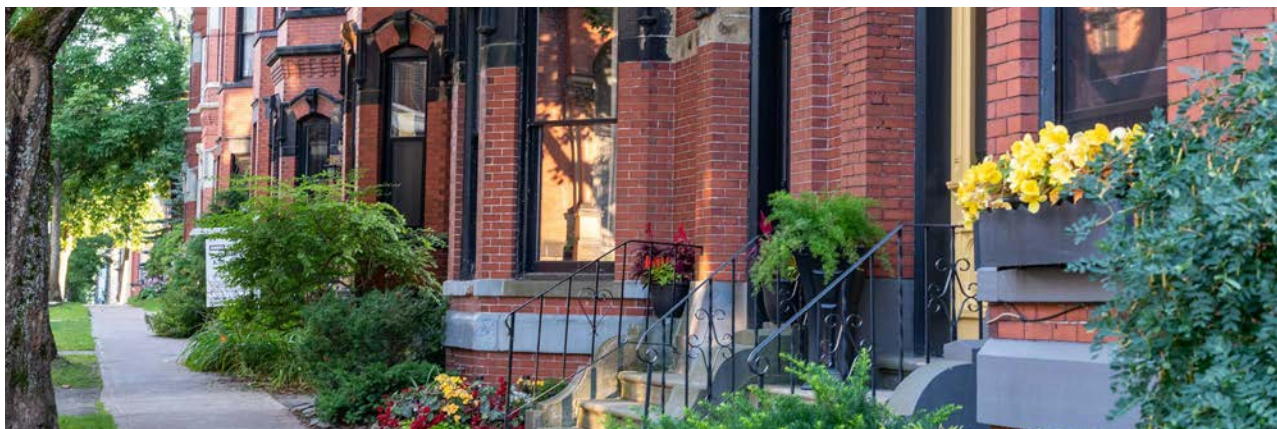
2014 - Timothy Bachiu

2013 - Jeff Diamond

2012 - Ramona Doyle

2011 - Amina Stoddart

2010 - Krysta Montreuil



## PART 1 – CONFERENCE ATTENDEE GENERAL INFORMATION

FIRST NAME		LAST NAME		ORGANIZATION	
MAILING ADDRESS				CITY	
PROVINCE	COUNTRY	POSTAL CODE		AWWA MEMBERSHIP NUMBER	
PHONE		FAX		WEF MEMBERSHIP NUMBER	
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"/> SUPP CONTRATOR <input type="checkbox"/> STUDENT <input type="checkbox"/> REGULATOR <input type="checkbox"/> SUPPLIER <input type="checkbox"/> CONSULTANT <input type="checkbox"/> ACADEMIC <input type="checkbox"/> OTHER					

## PART 2A – DELEGATE REGISTRATION

FULL CONFERENCE SELECTION INCLUDES:			
SUNDAY - MEET AND GREET // MONDAY - AGM LUNCH, ABEA RECEPTION // TUESDAY - TRADE SHOW, LUNCH, TUESDAY NIGHT SOCIAL			
FULL CONFERENCE DELEGATE – ON OR BEFORE SEPT 6, 2022	<input type="checkbox"/> MEMBER – \$495	<input type="checkbox"/> NON-MEMBER – \$595	\$
FULL CONFERENCE DELEGATE – AFTER SEPT 6, 2022	<input type="checkbox"/> MEMBER – \$595	<input type="checkbox"/> NON-MEMBER – \$695	\$
STUDENT FULL CONFERENCE (REGISTRATION IS FREE IF THE STUDENT IS PRESENTING A TECHNICAL SESSION)	<input type="checkbox"/> MEMBER – \$50	<input type="checkbox"/> NON-MEMBER – \$50	\$
MONDAY FULL DAY PASS (INCLUDES AGM LUNCH AND ABEA RECEPTION)	<input type="checkbox"/> MEMBER – \$260	<input type="checkbox"/> NON-MEMBER – \$285	\$
TUESDAY FULL DAY PASS (INCLUDES TRADE SHOW, LUNCH, AND TUESDAY NIGHT SOCIAL)	<input type="checkbox"/> MEMBER – \$260	<input type="checkbox"/> NON-MEMBER – \$285	\$
TUESDAY 1/2 DAY TRADE SHOW PASS (INCLUDES TRADE SHOW, AND LUNCH)	<input type="checkbox"/> MEMBER – \$135	<input type="checkbox"/> NON-MEMBER – \$160	\$
REGISTER BEFORE AUGUST 15, 2022 AND BE ENTERED FOR THE EARLY BIRD DRAW – A \$200 VISA GIFT CARD!			\$
PART 2A – SUBTOTAL			\$

## PART 2B - DELEGATE MEALS & ACTIVITIES NOT INCLUDED WITH REGISTRATION

SUNDAY, OCTOBER 2		
GOLF – GREEN FEE, SHARED CART AND LUNCH - <b>LIMITED CAPACITY</b>		
INDICATE YOUR SHIRT SIZE(S):    SM <input type="checkbox"/> MED <input type="checkbox"/> LG <input type="checkbox"/> XL <input type="checkbox"/> XXL <input type="checkbox"/>	___ @ \$85 =	\$
TECHNICAL TOUR - <b>LIMITED CAPACITY</b> - MOOSEHEAD BREWERIES BREWERY WATER TREATMENT (PPE WILL BE PROVIDED, NO OPEN TOE SHOES)	___ @ \$20 =	\$
MONDAY, OCTOBER 3		
TECHNICAL TOUR – <b>LIMITED CAPACITY</b> - CLOW CANADA (HARD HAT, SAFETY VEST, AND STEEL TOE WORK BOOTS REQUIRED)	___ @ \$20 =	\$
HYDRANT HYSTERIA – <b>LIMITED CAPACITY</b>	___ @ \$50 =	\$
TUESDAY, OCTOBER 4		
TECHNICAL TOUR – <b>LIMITED CAPACITY</b> - LOCH LOMOND DRINKING WATER TREATMENT FACILITY (HARD HAT, SAFETY VEST, AND STEEL TOE WORK BOOTS REQUIRED, GLASSES AND HEARING PROTECTION WILL BE PROVIDED)	___ @ \$20 =	\$
TUESDAY NIGHT SOCIAL – <b>INCLUDED IN DELEGATE REGISTRATION FEES</b>	ADDITIONAL TICKETS ___ @ \$75 =	\$
PART 2B – SUBTOTAL		\$

PART 3A – TRADE SHOW BOOTH RENTAL & EXHIBITOR REGISTRATION			
BOOTH RENTAL (MAX 3 BOOTHS & 2 PEOPLE/BOOTH)	ABEA MEMBER – _____ BOOTHS @ \$525	NON-MEMBER – _____ BOOTHS @ \$900	\$
EXHIBITOR'S NAME	EXHIBITOR'S NAME		EXHIBITOR'S NAME
EXHIBITOR'S NAME	EXHIBITOR'S NAME		EXHIBITOR'S NAME
EXTRA BOOTH EXHIBITOR REGISTRATION (INCLUDES MEET & GREET, ABEA RECEPTION MON- DAY, TUESDAY LUNCH)	ABEA MEMBER – _____ @ \$75	NON-MEMBER – _____ @ \$100	\$
EXHIBITOR'S NAME	EXHIBITOR'S NAME		EXHIBITOR'S NAME
PART 3A – SUBTOTAL			\$
PART 3B - EXHIBITOR MEALS & ACTIVITIES NOT INCLUDED WITH REGISTRATION			
SUNDAY, OCTOBER 2			
GOLF – GREEN FEE, SHARED CART AND LUNCH - <b>LIMITED CAPACITY</b> INDICATE YOUR SHIRT SIZE(S): SM <input type="checkbox"/> MED <input type="checkbox"/> LG <input type="checkbox"/> XL <input type="checkbox"/> XXL <input type="checkbox"/>	_____ @ \$85 =		\$
TECHNICAL TOUR - <b>LIMITED CAPACITY</b> - MOOSEHEAD BREWERIES BREWERY WATER TREATMENT (PPE WILL BE PROVIDED, NO OPEN TOE SHOES)	_____ @ \$20 =		\$
MONDAY, OCTOBER 3			
TECHNICAL TOUR – <b>LIMITED CAPACITY</b> - CLOW CANADA (HARD HAT, SAFETY VEST, AND STEEL TOE WORK BOOTS REQUIRED)	_____ @ \$20 =		\$
ANNUAL GENERAL MEETING LUNCHEON	_____ @ \$50 =		\$
TUESDAY, OCTOBER 4			
TECHNICAL TOUR – <b>LIMITED CAPACITY</b> - LOCH LOMOND DRINKING WATER TREATMENT FACILITY (HARD HAT, SAFETY VEST, AND STEEL TOE WORK BOOTS REQUIRED, GLASSES AND HEARING PROTECTION WILL BE PROVIDED)	_____ @ \$20 =		\$
TUESDAY NIGHT SOCIAL – <b>INCLUDED IN DELEGATE REGISTRATION FEES</b>	ADDITIONAL TICKETS _____ @ \$75 =		\$
PART 3B – SUBTOTAL			\$
PART 4 – FEES			
(PART 2A + PART 2B + PART 3A + PART3B) SUBTOTAL			\$
LIFE MEMBERS DEDUCT \$100.00			\$
<b>HST 15% (869 924 910 RT2)</b>			\$
INDICATE YOUR SHIRT SIZE(S): SM <input type="checkbox"/> MED <input type="checkbox"/> LG <input type="checkbox"/> XL <input type="checkbox"/> XXL <input type="checkbox"/>	WATER FOR PEOPLE FUN RUN <input type="checkbox"/> @ \$25 WATER FOR PEOPLE FUN WALK <input type="checkbox"/> @ \$25		\$
ARE YOU INTERESTED IN PARTICIPATING IN A BLOOD DRIVE IN MEMORY OF JONAH AND DANNY			<input type="checkbox"/> YES
INDICATE YOUR SHIRT SIZE(S): SM <input type="checkbox"/> MED <input type="checkbox"/> LG <input type="checkbox"/> XL <input type="checkbox"/> XXL <input type="checkbox"/>			\$
TOTAL AMOUNT DUE			\$

## PART 5 – CONFERENCE ATTENDEE GENERAL INFORMATION

CHOOSE PAYMENT METHOD. COMPLETE AS APPROPRIATE.

☐

CHEQUE

☐

MONEY ORDER

☐

VISA

☐

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: [contact@acwwa.ca](mailto:contact@acwwa.ca)

EMAIL ADDRESS

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/OR SPONSORS.

### **Conference Information**

Full 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 prior to general 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).

\*\*\*Booth registrations must be paid with Visa or MasterCard **at time of booth selection in order to confirm registration\*\*\* 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 in advance of 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 7 days in advance of 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.ca](mailto:contact@acwwa.ca).

### **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 in advance of the conference start date will receive a 50% refund. Cancellations less than 30 days in advance of 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.ca](mailto:contact@acwwa.ca).



## 13th Annual ABEA Common Hospitality Reception

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 Saint John Ale House on **Monday October 03, 2022**.

Located in Market Square <https://www.saintjohnalehouse.com/>

### **Festivities run from 9:00pm – 1:00am**

What better way 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.





## 2022 Atlantic Branch Equipment Association Tradeshow

The 2022 Trade Show will be held Tuesday morning, October 4, 2022, beginning at 10:00am, offering 90 booths.

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 Waterworks Industry. The Trade Show will kick off upon the completion of the "Best of the Best, Water Taste Test".

### **Lunch will be served at noon.**

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





## Blood Drive

### **In March 2022, the ACWWA community lost a friend.**

Danny Whiting passed away fighting a long battle with brain cancer.

In Danny's memory, ACWWA will be holding it's first ever blood drive at the Saint John conference. Over the past ten years, Danny and Clara have been donating blood in honour of Jonah Wynn MacCharles, a dear friend's baby girl who passed away (in 2012).

They do this because blood donation has both an immediate and a lasting impact on the preservation of life. Now its our turn to honour them.

Please sign up to donate blood on your conference registration form and we will look after the transportation to and from Canadian Blood Services. Giving blood was important to Danny and his family.

**The same, we know, goes for water.  
No blood, no life... and no water, no life.**



Danny Whiting



**Canadian  
Blood  
Services**

**BLOOD  
PLASMA  
STEM CELLS  
ORGANS  
& TISSUES**



## ACWWA ANNUAL CONFERENCE

*Whiting, Daniel James (Danny), 45 of Dartmouth passed away on March 11, 2022 after a long and courageous battle with brain cancer.*

*Danny was born on June 3rd, 1976 and raised in Glace Bay. He was the son of Daniel and Mary Whiting and brother to Hoyles (Bilynda), Sheri and Corina (John). He was uncle to Grant, Meaghan, Shawn, Devon, Carmen and Cassidy (Nicola). Danny was also the "cool uncle like figure" to the children of several of his closest friends. Danny is survived by his loving wife Clara whom he married while standing on a glacier in Antarctica and by his furry companion Monte.*

*The world was his playground; he loved traveling and had visited every continent. He loved hiking, camping and photography.*

*Now that the formalities of the obituary are out of the way, friends and family would say Danny was far from traditional and conventional (we mean far!).*

*Even though Danny portrayed himself as an emotionless robot, deep down inside we know he had feelings. His fear of the human eyeball, his karate like reflexes during June bug season and his database of spreadsheets tracking the mundane things of life (from gas mileage to hot tub power consumption) were legendary.*

*He hated shoe laces, eggs, whipper snippers, Apple products and condiments in squirt bottles.*

*Danny took great pride of being able to dive through inflatable swimming tubes, the quality of his homemade liquor and the ability to consume anything spicy.*

*He was a technical wizard who could design and repair almost anything. Just be ready to plug your ears or duck when anything went wrong!*



Danny Whiting



## ABEA Host Suppliers

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ADS	Sansom Equipment
Maritime Infrastructure Technologies	DRL Piping Solutions
Atlantic Purification Systems Ltd.	Scotia Tech
McLennan Sales (div. of EMCO)	EEP Technical Solutions
Anthrafilter	Saunders Equipment
Mueller Canada	Everest Automation
Aqua Data Atlantic	Sulzer
Napco-Royal	Flowstar Ind.
Avensys	SIGMA Corp.
Neptune Technology Group	Ford Meter Box
Bibby Ste-Croix	Solenio
Nulantic	Greatario Storage Systems
Birksco-Aqualoader	Star Pipe Canada Inc.
Omnitech	Galaxy Plastics
Canada Pipe	Veolia Water Solutions & Technologies
Pure Technologies	HACH
Chemline Plastics	Veronics
Pro-Line Fittings	Hetek
Concord Supply	Wolseley Waterworks Atlantic
Prominent	H2Flow
Clow Canada	WWOTC
The Panel Shop	Ipex Inc.
Cambridge Brass	Xylem
Raymond Agency	John Brooks
Campbell's Concrete	Kemtag Enterprises Ltd.
Sensus / KTI	K&D Pratt
Denso NA-Can	Liberty Pumps
ShadComm Ltd	Magnor
Denyg Mechanical	

### Current ABEA Board:

President – Andrew Duguay  
 Vice-President – Matthew Manning  
 Sr. Director – Martin Phinney  
 Jr. Director – vacant

Past-President – Mike McDonah  
 Sec./Treasurer – Kyle Gracie  
 Director/Liaison – Catherine Cameron

Contact information for our members, and applications for our Scholarship and Grant Program can be found on [www.ABEA.biz](http://www.ABEA.biz)



## Water Tower Building Competition

This year, one of the favourites is back. The Greatario Water Tower Building Competition will take place during the Sunday evening Meet and Greet Reception (Sunday, October 2nd, 2022, from 8:30pm 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 250ml (8oz) container of water for 30 seconds. Who will build the tallest or the most creative tower? This activity guarantees to challenge your ingenuity while meeting new people.

**Thank you to Greatario for their continued sponsorship.**





## ACWWA Taste Test

**Join in as we celebrate the 8th annual “Best of the Best” Tap Water Taste Test competition.**



For more information, please contact  
**Barb Crawford at**  
**[barb.crawford@saintjohn.ca](mailto:barb.crawford@saintjohn.ca)**  
**or (506) 658-4455**

Our judges will be looking for the “Best of the Best” tasting tap water here at the Conference in Saint John, NB. Bring a sample of your hometown water that you supply to your customers and see where it stacks up against your neighbouring communities. Atlantic Canadian municipal utilities are invited to submit a water sample to be judged by a panel of water professionals. 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 4th, 2022. 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! Come and 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 30th, 2022.



## Technical Tours



### **Join us October 2nd for a specialized tour of Moosehead Breweries Limited.**

Moosehead Breweries Limited is Canada's oldest independent brewery. The brewery was founded in 1867 and is still privately owned and operated by the Oland family. The company is now in the sixth generation of family ownership.

Our tour will encompass the brewing & packaging process at Moosehead, with a unique addition on the testing and treatment of water as an input in the process of transforming raw ingredients into a final product.

Join us for this exciting opportunity to peek into the process!

### **Please join us October 3rd for a tour of Clow Canada's Saint John facility.**

Thomas McAvity & Company was established on May 19, 1834, in Saint John, New Brunswick. Currently located in the home of the former Bricklin auto manufacturing plant. Clow Canada proudly produces Canadian made fire hydrants exclusively for the Canadian market. Clow's world class facility has multiple environmental, health and safety awards as well state of the art machinery that produce various products for the Canadian Waterworks market.



### **Join us October 4th for a tour of the Loch Lomond Drinking Water Treatment Facility**

Saint John's Loch Lomond Drinking Water Treatment Facility is supplied from the Loch Lomond and Latimer Lake watersheds. The facility has the capacity of producing 75 million litres of drinking water per day. The three storage reservoirs have a capacity of 33 million litres.





## Tuesday Night Social

James Mullinger was one of the UK's top comedians and Comedy Editor for GQ magazine when he moved to Canada in February 2014. Since his arrival, he has taken the country by storm. Sold out shows across the country, appearances on CBC's The Debaters, movies, TV shows, festivals, awards, stand-up specials he's done it all.

An award-winning writer, comedian and filmmaker, he spent 15 years in a senior position at British GQ, interviewing everyone from Jerry Seinfeld and Paul Rudd to Rachel Weisz and Scarlett Johansson and launching the magazine's digital division. In April 2016 and 2018, James sold out Harbour Station Arena in New Brunswick with his uniquely hilarious stand-up show, outselling Jerry Seinfeld, Jeff Dunham and Guns N' Roses when they played the same venue. An award-winning CBC documentary about the show titled City On Fire was aired nationally to rave reviews.

His latest stand-up special, Almost Canadian, shot straight to #1 on the iTunes charts and was nominated for a Canadian Comedy Award for Best Taped Live Performance. It is available to watch internationally on AmazonPrime Video. The film that he co-wrote about his early years in comedy was released in cinemas across the UK and premiered at the Just for Laughs festival in Montreal in 2016. It stars actors from Downton Abbey, Twilight and Game of Thrones.

James will entertain the ACWWA Conference attendees Tuesday night at the ABEA Tuesday Night Social!

**James Mullinger**





## 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 75th Annual ACWWA Conference include the Charity Silent Auction, WFP Fun Run/Walk and the 50/50 raffle during the Tuesday Night Social.



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 [meghan.swanburg@acadiau.ca](mailto:meghan.swanburg@acadiau.ca) or bring the item(s) to the Silent Auction room the first day of the conference (Sunday October 2).

When registering for the conference, do not forget to sign up for the 2022 Fun Run/Walk! The 5km Fun Run/Walk will be held on Monday at 5:00 PM leaving the Saint John Hilton and meandering along the Harbour Passage Trail. Also look for WFP committee members selling 50/50 tickets during the Tuesday Night Social.

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! Everyone Forever!



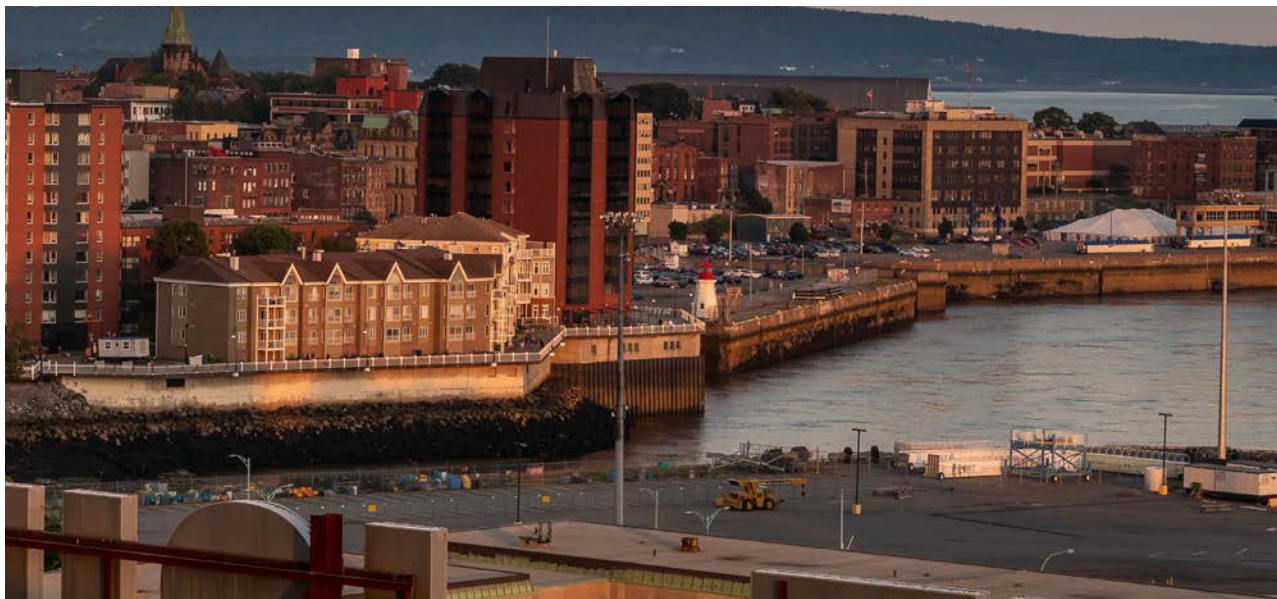
water for people  
EVERYONE • FOREVER



## The Conference Venue

Our venue for the 2022 ACWWA Conference is the Hilton Hotel and Saint John Trade & Convention Centre, located on the beautiful waterfront. The Convention Centre is connected to the hotel, and is the largest facility in the province of New Brunswick, with a capacity of 2,300 people. The hotel is the only waterfront hotel in the city, and offers views over the Harbour and the Port of Saint John. Both the hotel and Convention Centre are connected to the indoor Pedway system, linked to Uptown Saint John, including the historic City Market. It features a heated indoor saltwater pool and harbour-front restaurant and bar. The venue is also connected to the pathway system, which allows users to walk or stroll around the harbour.

The hotel has multiple dining options, including the York Bistro & Pub and York patio. There are also award-winning restaurants a short walk from the hotel in the nearby historic zone, as well as a lively bar, restaurant, and patio scene in the adjoining mall. Our conference and hotel venue location makes access to all the amenities of Saint John an easy walk.



Thank you very much to our  
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