



ACWWA 2016

SOURCE
to/à
SOURCE

SEPTEMBER
18-21
SEPTEMBRE

DELTA BEAUSÉJOUR
MONCTON
NB, CANADA

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Welcome from the Conference Chair

Source to/à Source, Moncton, NB September 18-21

Please join us in Moncton September 18-21 for the 2016 ACWWA Annual Conference, a conference you won't soon forget. The conference organizing committee has been working hard at making this a memorable event, and have added a few new items to the conference program.

We are very pleased to be hosting the Annual Conference in Moncton for the first time since 2006 at the Delta Beauséjour. Located in the heart of our beautiful downtown core where you can enjoy fine dining experiences, sit down in one of our beautiful terraces, take in a show at the Capitol Theatre or even a walk along our beautiful Riverfront trail while viewing the world renowned Tidal Bore. Moncton is known to be Canada's most polite and honest city (Readers Digest 2008). We dare you to figure out how your car rolls uphill at the extraordinary Magnetic Hill, or just a short drive away idyllic beaches and magnificent natural wonders.

Once again, the conference committee is striving for a strong high quality technical program. The technical sessions will run from Monday morning to Wednesday morning. This year's conference program will be filled with all kinds of favourites like golf (Fox Creek Golf Club), Technical tours, Opening ceremonies with Martin Latulippe as keynote speaker, ABEA tradeshow, ABEA hospitality night (McSweeney's Dinner theatre with Raglan Road), YP mixer (Gusto), Top Ops competition, hands-on technical demonstrations and our Down East Feast. Newly added to the conference program will be a water tower building competition as well as a prize for the stay to the end Down East Feast.

What innovation is being used in the development of your water source? Did you add a new treatment system? What are the challenges of your distribution system? What processes are being used to treat your waste water? New regulations will be coming into place – How will you meet these regulations? "Source to/à Source" is the opportunity to showcase projects and solutions on topics ranging from the source of our potable water to the effluent discharged into our water source, and everything in between!

Whether you are a utility executive, supplier, consultant, regulator, operator or student be sure to join us at this year's ACWWA Annual Conference in Moncton. Come reunite with colleagues and friends to share your experiences, and expertise as well as discuss the many issues and challenges we face in the water and wastewater industry.

Julie Stokes
2016 Conference Chair



Message from the ACWWA Chair

On behalf of the Board of the Atlantic Canada Water and Wastewater Association, I invite you to attend our 67th Annual Conference to be held in Moncton, New Brunswick, September 18-21, 2016 at the Delta Beauséjour Hotel. The annual conference is the marquee event for the Association.

This year's theme is **Source to/à Source** and highlights the importance of ensuring we as water professionals are providing safe water to our customers but at the same time making sure we are returning clean water back to the environment. The theme also reflects on ACWWA being a joint AWWA Section and WEF Member Association.

The local organizing committee has been working hard to put together a top-notch technical program and lots of networking and social events that will connect you with other water professionals. Make sure to mark your calendars and make plans to attend the premiere event of ACWWA.

See you in Moncton.

John Eisnor
2016 ACWWA Chair



Keynote Speaker Martin Latulippe

Social entrepreneur, award-winning philanthropist and bestselling leadership author, Martin Latulippe uses keynotes and seminars as a platform to inspire and empower companies and individual contributors to build a world-class mindset, embrace change and achieve breakthrough performance.

Martin is a rare bilingual hybrid of business performance strategist, inspirational speaker and human potential expert. His ability to move audiences to take action with his quick wit, brilliant insights and wildly entertaining storytelling sets him apart.

Sliced in the neck by a hockey skate while playing at the World University Championships in 2001 as Team Canada captain, Martin nevertheless led his team to a silver medal victory.

Since then, he has dedicated his life to helping individuals, teams and organizations create and master transformational thinking.

Martin already had the privilege of sharing the stage with some of the greatest in the world, Sir Richard Branson, Gen. Rick Hillier, Jack Canfield, Lt. Gen. Romeo Dallaire, Clara Hughes, Amanda Lang, Kevin O'Leary, Robert Herjavec and Haley Wickenheiser, just to name a few.

INSPIRATIONAL SPEAKER

Martin is one of the most in-demand bilingual inspirational speakers in Canada. He has taught hundreds of organizations strategies in leadership, change management, inspiration, and peak performance. Audiences are blown away by Martin's wisdom and life-touching stories.

During Martin's transformational keynote, audiences:

- Laugh, Learn and Live a true heartfelt emotional roller-coaster of transformation;
- Learn how to close the G.A.P. « Getting Absolutely Present » between Knowing and Doing to Live Their Best Life;
- Discover the mind's power to focus on adding more value in other people's lives;
- Discover the most critical obstacles that can stop them from tapping into their full potential and how to avoid them;
- Connect with their colleagues to live a life of meanings and significance;
- Learn to apply the most successful habits in their personal and professional life while navigating in today's constant change.





AWWA Representative

Aurel Arndt

Treasurer (2016-2020)
American Water Works Association



Aurel Arndt has been actively involved in AWWA and Section leadership for over 30 years, and in advocacy and water utility matters for decades. He has served on multiple occasions as a spokesperson for the Association and Section. He was Chair of AWWA's Water Utility Council from 2012-2016. Recently retired, he served over 40 years at the Lehigh County Water Authority.

Aurel was named as Lehigh County Authority's first CEO in 2013. In the financial arena, Aurel has served as Chief Financial Officer of Lehigh County Authority from 1984 to 2012, and again in 2015. He has also been appointed by three PA Governors as a member of the Pennsylvania Municipal Retirement Board, which he chaired for 8 years, PennVenst, PA's Clean Water and Drinking Water State Revolving Loan Program and the Governor's Local Government Advisory Committee, respectively.

He has been recognized by several organizations for his volunteerism, support, and commitment to excellence. He has served on the Boards of multiple organizations, including the Government Finance Officers Association of United States and Canada, and currently is a member of EPA's Environmental Finance Advisory Board.

Aurel will serve a four-year term as AWWA's Treasurer beginning at the conclusion of the 2016 Annual Conference & Exposition. He holds an MBA from Lehigh University and a Bachelor of Science Degree from Usinus College.

WEF Representative

Jenny Hartfelder

Vice President
Water Environment Federation (WEF)



Jenny Hartfelder is the 2015-2016 Vice President for the Water Environment Federation (WEF), an international organization of water quality professionals headquartered in Alexandria, Va. Jenny is currently a Vice President with MWH and serves as a National Campaign Manager out of Denver, Colo. In this role, she provides strategic planning and leadership for the business development activities for the water sector across the United States. She also serves as a project manager and design engineer on numerous water and wastewater projects including master plans, preliminary and detailed designs, and engineering services during construction.

A WEF member since 1997, Jenny has held multiple leadership and committee roles within the Federation. She has served on the Stockholm Junior Water Prize (SJWP) Committee and the Public Communications and Outreach Committee for many years, chairing the SJWP Committee. Jenny also has served in the House of Delegates as the Speaker of the House, Chair of the Ways and Means Workgroup, and as a member of several HOD workgroups and committees. She is a member of the Select Society of Sanitary Sludge Shovelers and a recipient of the Arthur Sidney Bedell Award.

Also an active member of the Rocky Mountain Water Environment Association, Jenny chaired several committees including Public Education, Nominations, Awards, and the Joint Annual Conference Committees, and has moved through the MA officer chairs serving as the President in 2006-2007.

Jenny is a registered professional engineer in the states of Colorado and Washington and is certified by the Project Management Institute (PMI) as a Project Management Professional (PMP). She received a B.S. in Civil Engineering in 1990 from Michigan Technological University, and an M.S. in Civil Engineering in 2002 from the University of Colorado - Denver.



CWWA Representative

Robert Haller

Executive Director
CWWA



Robert Haller is the executive director of the Canadian Water and Wastewater Association, which is THE national voice of the water and wastewater sector in Ottawa. Robert took on this national leadership role after almost 20 years as a senior municipal administrator - most of those years serving as a CAO for small and medium sized communities.

With a Geography degree from Carleton and an MPA from Western, he now serves as the spokesperson for the Canadian water sector at the national level. He admits he relies heavily on his many members for their expertise and support; especially on technical matters of treatment methods. Robert's interests lean more toward the utility management issues and facilitating national dialogue and information sharing.

Robert served as a municipal advisor to the most recent RBC Public Attitudes Survey and represented the water and wastewater sector as an advisor to the Canadian Infrastructure Report Card. Robert recently coauthored "Public Attitudes 2015" as a starting point for public education plans around infrastructure. The CWWA is now leading a national project, with their provincial partners, to develop tools to support utility leaders on issues around asset management and infrastructure renewal.

Conference Highlights

SUNDAY, SEPTEMBER 18, 2016

12 p.m. (noon)	ABEA Golf tournament at Fox Creek Golf Club
5 p.m.-7 p.m.	Young Professionals Mixer – Gusto Italian Grill & Bar
7:30 p.m.	Meet and Greet reception including water tower building competition

MONDAY, SEPTEMBER 19, 2016

8:30 a.m.	Conference Opening <i>Fuller/Bedell/MacNab Awards ceremony</i> <i>Keynote Speaker Martin Latulippe</i>
10 a.m.-11:30 p.m.	Technical Sessions
12 p.m. (noon)	Annual General Meeting Luncheon
1:30 p.m.-3 p.m.	Technical Sessions
3:30 p.m.	Top Ops Competitions (Water & Wastewater)
5 p.m.	Water for People fun run walk
5 p.m.	Dine on your own – Enjoy the restaurants of Downtown Moncton
9 p.m.	ABEA Hospitality Night at McSweeney's with Raglan Road Band

TUESDAY, SEPTEMBER 20, 2016

7:30 a.m.	Pick-up breakfast available (buffet style)
8 a.m.	ACWWA Best of the Best Taste Test
9 a.m.- 1 p.m.	ACWWA / ABEA Tradeshow / Luncheon
1:30 p.m.-4:30 p.m.	Technical Sessions
6:30 p.m.	Down East Feast and Entertainment

WEDNESDAY, SEPTEMBER 21, 2016

8 a.m.	Awards Breakfast
9:30 a.m.-11 a.m.	Technical Sessions

Technical Program

ACWWA 2016 ● MONCTON, NB ● September 18-21, 2016

Monday, September 19

	10-10:30 a.m.	10:30-11 a.m.	11-11:30 a.m.
TECHNICAL SESSION: A1	Understanding Lead Issues in Distribution Systems	CBRM Amalgamation: Benefits to Water Quality	Optimizing Biological Filtration: A Pilot Scale Study at JD Kline Water Treatment Plant
SHEDIAC A	Graham Gagnon, Dalhousie University	Devin MacAskill, CBRM	Leili Abkar, Dalhousie University
TECHNICAL SESSION: A2	Applying a Water Safety Plan Approach to Small Systems in Atlantic Canada	Partnerships in Community Education and Engagement	Water for People Canada: You Can Make a Difference
SHEDIAC B	Kaycie Lane, Dalhousie University*	Joyce Babin, CBRM	Peter Hanlon
TECHNICAL SESSION: A3	StormTech Chambers - Stormwater Management	Development and Implementation of Regulated Storm Water Rates	Climate Change Driven Flood Risk in Municipalities
SHEDIAC C	Eric Landry, ADS Canada	Cathie O'Toole, Halifax Water	Hang Arisz, R.V. Anderson Associates Ltd.
TECHNICAL TOUR	Moncton Water Treatment Facility		
	1:30-2 p.m.	2-2:30 p.m.	2:30-3 p.m.
TECHNICAL SESSION: B1	CBRM - Dam Safety Management Plan	Saltwater Intrusion Risk Evaluation for Municipal Water Supplies	Ecosystem-based Management of CBRM Water Supplies
SHEDIAC A	Perry Mitchelmore, MECO Engineering	Parrish Arnott, Dillon Consulting Ltd.	Anthony Maggocca, CBRM and Thomas Bouman, CBU
TECHNICAL SESSION: B2	Asset Management of Critical Valves	Administration of Water Main Failure Repairs involving Total Loss of Pressure	Managing the Longest PCCP Transmission Main in Canada to a Low Risk of Failure
SHEDIAC B	John Eisnor, Halifax Water	Scott Grasman, City of Fredericton	Reid McDougall, Pure Technologies Ltd.
TECHNICAL SESSION: B3	Acadia Avenue/Amirault Street Reconstruction	PVC Innovative Solutions in Municipal Infrastructure	City of Moncton Project for the Preliminary Design of Hall's Creek/Wheeler Blvd. Sanitary Sewer Separation
SHEDIAC C	Angèle Spencer, City of Dieppe	Rowena Patenaude, Royal Building Products*	Lisa Grasse and Richard Gabbey, Crandall Engineering
TECHNICAL TOUR	TransAqua Wastewater Treatment Facility		

*Fresh Ideas presenters are a first time Young Professional participant at the ACWWA section conference presenting a water related topic, and will be considered for the Fresh Ideas program that 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 2017) in Philadelphia, Pennsylvania, representing the Young Professionals of ACWWA. Along with complimentary conference registration provided by the ACE 2017 organizing committee, ACWWA will provide the winner with a stipend to assist with travel costs to the conference.

Tuesday, September 20

	1:15-1:45 p.m.	1:45-2:15 p.m.	2:15-2:45 p.m.
TECHNICAL SESSION: C1	Impact of Lake Recovery on Drinking Water Supplies: Implications for Treatment	Freshwater Mussels and Potable Water Supplies: A Mutually Beneficial Relationship	A Case Study to Evaluate Discharge Impacts and Atmospheric Deposition on a Drinking Water Supply
SHEDIAC A	Lindsay Anderson, <i>Dalhousie University</i>	Kellie White, <i>CBU</i>	Michael Brophy, <i>Dalhousie University</i>
TECHNICAL SESSION: C2	Upgrading Lagoons for Phosphorus & Nitrogen Removal: Lessons from Sundridge, Ontario	Optimisation du Lagunage du Quartier Nord de la Ville de Sackville	Cold Climate Nitrification: Removing Ammonia from Frigid Lagoons
SHEDIAC B	Martin Hildebrand, <i>Nelson Environmental Inc.</i>	Royata Sidibe, <i>Veolia Water Canada*</i>	Martin Hildebrand, <i>Nelson Environmental Inc.</i>
HANDS-ON TECHNICAL DEMONSTRATION LOCATION TO BE DETERMINED	City of Fredericton demonstration on the Insert-a-Valve technology		
	3-3:30 p.m.	3:30-4 p.m.	4-4:30 p.m.
TECHNICAL SESSION: D1	Community Sewers and Treatment Systems: Information for Citizens and City Leaders	A Utility's Greatest Asset: The Human Infrastructure	Legumier Du Madawaska Biocord Upgrade Project
SHEDIAC A	Kirk Wimber and Ken Reardon, <i>Oreco Systems</i>	Daryl Burke, <i>EXP Services Inc.</i> and Gerry Wheeler, <i>Global Facilitation Inc.</i>	Kevin Shiell, <i>Scotia Tech</i>
TECHNICAL SESSION: D2	CBRM and Wastewater Regulations: The Reality of it	Laboratory Quality Assurance and Quality Control	An Overview of Environment and Climate Change Canada's Environmental Emergency Regulations
SHEDIAC B	Matt Viva, <i>CBRM</i>	Lori Arbeau, <i>Veolia Water Canada</i>	Gerard Chisholm, <i>Environment and Climate Change Canada</i>
TECHNICAL SESSION: D3	Development of an Accessible Inclined Orientation UV System	Non-Contact UV Disinfection: A Comparison and Review of the Technology and Application	AWWA C500, is this enough Specification Detail to Ensure you Get the Valve you Expect?
SHEDIAC C	Brian Topp, <i>Xylem Water Solutions</i>	Rick McIntyre, <i>Enaqua</i>	Jeff Jensen, <i>Mueller Canada</i>

Wednesday, September 21

	9:30-10 a.m.	10-10:30 a.m.	10:30-11 a.m.
TECHNICAL SESSION: E1	Collaborative Solutions in GIS using ArcGIS online: The Halifax Water Experience	Big Data, Big Confusion	Critical Success Factors Influencing Small-scale Municipal Construction Project Performance in Eastern Canada
SHEDIAC A	Lucie Kendell, <i>Halifax Water</i>	Mike Grossman, <i>Scotia Tech</i>	Serge Dupuis, <i>Université de Moncton</i>
TECHNICAL SESSION: E2	Wireless Mesh Networks: Water Distribution System Wireless Acoustic Logging	Smart Cities Approach to Permanent Leak Detection on Large and Small Diameter Water Mains	Linking Communities with Trenchless Technologies
SHEDIAC B	Amyr Bhimani, <i>Hetek Solutions</i>	Stewart Day, <i>Echologics Engineering Inc.</i>	Gerald Bauer, <i>Stantec Consulting Ltd.</i>
TECHNICAL SESSION: E3	O&M Considerations for Pressure Sewer Systems	In-line Forcemain Condition Assessment: Halifax, Ottawa and Kingston Case Studies	Establishing a Preventative Maintenance Program
SHEDIAC C	Keith McHale, <i>Environment One Corp.</i>	Cameron White, <i>Pure Technologies Ltd.</i>	Brandon Talbot, <i>CBRM</i>

2016 ABEA Annual Golf Tournament

'Fox Creek Golf Club consistently delivers a golf experience you will never forget.'

JOIN US FOR OUR ANNUAL GOLF EVENT:

September 18, 2016

Sponsored by the ABEA and its individual members

Tee times commence at 12 p.m. (noon), with a crossover format. Price \$70 +tax (Green fees and shared cart).

Put your team together, or let us 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)



Each hole of this championship-calibre course presents new challenges with breathtaking views. The unique rippled layout of the course — complete with tee boxes, fairways and greens — are augmented with bentgrass.

Unwind while you explore the spectacular scenery and radiant greenery of the Fox Creek Golf Club, located in the heart of the city of Dieppe, New Brunswick.

Since the official opening in 2005, Fox Creek Golf Club has been recognized not only for its architectural and natural beauty, but also for its renowned world class hospitality and its highly competitive cost/quality ratio. An exclusive design by renowned Canadian architect Graham Cooke, this 18-hole course has quickly become a must for golf enthusiasts from around the world.

Please note: Only those registered by August 1, 2016 will be guaranteed 'swag'.

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ACWWA

2016



200 rue du Golf Street
Dieppe, New Brunswick
(506) 859-4653
foxcreekgolfclub.ca



ABEA Common Hospitality Reception



A Warm Maritime Welcome

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 McSweeney's (700 Main St, Moncton) on Monday, September 19, 2016.

This multi-level venue offers ample opportunity to enjoy the music, or share in a lively conversation with friends and colleagues.

Festivities begin at 9 p.m., with music supplied by Raglan Road. Jason Martell, Gary Gosse and a kitchen party just waiting to happen.

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.



[f /raglanroadmusic](https://www.facebook.com/raglanroadmusic)



2016 ACWWA / Atlantic Branch Equipment Association Tradeshow

The 2016 Trade Show will be held Tuesday morning, September 20, 2016, beginning at 9 a.m., featuring 74 booths in the main Delta Beauséjour Hotel ballroom and foyer area.

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 and wastewater industry.

The Trade Show will offer a lunch, as well as the ABEA attendee gift – where we strive to support our local artisans.

Allow the time to explore and engage. There is something for everyone.



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ACWWA

2016

Current ABEA Board

Past-President – Mike Duguay

Vice-President – Steve Philpott

Jr. Director – Neil Dowding

Director at Large – Catherine Cameron

President – Rowena Patenaude

Sr. Director – Kyle Gracie

Sec./Treasurer – Dylan Takacs

Contact information for our members, and applications for our Scholarship and Grant Program can be found on www.ABEA.biz



2015/16 ABEA Host Suppliers

We would like to take this opportunity to acknowledge and say thank you to the many suppliers who support the Atlantic Branch Equipment Association and its many endeavours.

ADS
AGAT Laboratories
Anthrafilter
Aqua Data Atlantic
Aqua Rehab Canada Inc.
Armour Valve Ltd.
Armtec
Atlantic Purification Systems Ltd.
Avensys
Bibby Ste-Croix
BioMAXX Wastewater Solutions
Birksco-Aqualoader
Cambridge Brass
Campbell's Concrete
Canada Pipe
Chemline Plastics
Clow Canada
Coastal Controls
Concord Supply
Containment Solutions
EEP Technical Solutions
Emco Waterworks
Ford Meter Box
GAME Consultants
Greatario Storage Systems
Harmsco Filtration
Hetek
Ipex Inc.
ISCO Canada Inc.
Itron Canada Inc.
KSB Canada

Kemtag Enterprises Ltd.
Marathon Fluid Systems Ltd.
Maritime Infrastructure Technologies
McLennan Sales
Mueller Canada
Natpro
Neptune Technology Group
Nulantic
Novatech Analytical Solutions
Omnitech
Opus DaytonKnight Consultants Ltd.
ProMinent
Pure Technologies
The Panel Shop
Rahn Plastics
Royal Pipe Systems
Sansom Equipment
Scotia Tech
Sensus
SIGMA Corp.
Soleno
Star Pipe Canada Inc.
Sulzer Pumps Wastewater Canada Inc.
TEKK Controls
Univar Canada
Urecon
Veolia Water Solutions & Technologies
Wolseley
Xylem

Please join us for the annual Common Hospitality Event, golf at Fox Creek Golf Club and the Tuesday morning trade show taking place at the ACWWA Annual Conference in Moncton, NB, September 18-21, 2016



MONCTON
Canada's
most
courteous
city.

- Readers Digest 2008

FUN FACT

Each glass of
Magnetic Hill
wine contains
a quarter of
a pound of
fruit.

*Easily add a
serving of fruit
to your meals
with one glass
of fruit wine!*



2016 ACWWA Companions Program

**Welcome to Moncton! Equally as beautiful
from the downtown core to the people's
joie de vivre**

Moncton is also one of the country's fastest growing cities, and a community steeped in history, as well as a city on the rise – *Resurgo!*

2016 ABEA Annual Golf Tournament ● Meet and Greet

For golf enthusiasts attending the conference, our annual event will begin at the **Fox Creek Golf Club** in Dieppe on Sunday at 12 p.m. (noon) with a crossover start.

The Meet and Greet will be held Sunday evening where you will have the opportunity to catch up with past acquaintances and introduce yourself to new attendees.

Magnetic Hill Winery Luncheon

Monday, we will have our luncheon at the famed **Magnetic Hill Winery** – transportation will take us to the Winery and upon completion we will offer a drop off at either **Champlain Place** shopping centre or **Delta Beauséjour Hotel**. (For those seeking retail therapy, shopping is noted as one of the 67 awesome things to do in Greater Moncton.)

Magnetic Hill Winery, in Moncton, New Brunswick pulls in wine lovers from all over the world. As you swirl, sniff, sip, and savour a delicious range of award-winning fruit and grape wines you'll discover why lovers of good wines are drawn to Magnetic Hill for more than the optical illusion of cars rolling uphill without power. Your complimentary tasting of these unique anti-oxidant rich wines will leave you knowing exactly what's in your bottle and how to serve it.
www.magnetichillwinery.com

ABEA Common Hospitality Event

Monday evening is a “dine on your own” experience. Upon the completion of your meal, you are invited to join delegates and host suppliers at the ABEA Common Hospitality Event being held at McSweeney's. Doors open at 9 p.m.

Gastro Tour

Tuesday, we will be picked up in the Delta Beauséjour Hotel lobby for our walking Gastro Tour: **Taste This – Goute Ça! Moncton's culinary treasure hunt**. Mmmmm! From delicate five-star dining to hearty pub grub, this walking tour takes a healthy bite out of the downtown's epicurious offerings. **www.tastetthis.com/escapade**

ACWWA Conference Registration

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	
REGISTERED COMPANION/SPOUSE			EMAIL ADDRESS		
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					

PART 2 – DELEGATE REGISTRATION			
Full Conference Delegate – Includes all Meals On or Before August 26, 2016	<input type="checkbox"/> Member – \$475	<input type="checkbox"/> Non-Member – \$525	\$
Full Conference Delegate – Includes all Meals After August 26, 2016	<input type="checkbox"/> Member – \$575	<input type="checkbox"/> Non-Member – \$625	\$
Companion/Spouse Program – Includes all Meals	<input type="checkbox"/> Member/Non-Member – \$250		\$
Student (Includes Meet & Greet, Lunches, Awards Breakfast and Trade Show)	<input type="checkbox"/> Member/Non-Member – \$100		\$
Monday Full Day Pass (Includes AGM Lunch and ABEA Hospitality Reception)	<input type="checkbox"/> Member – \$250	<input type="checkbox"/> Non-Member – \$275	\$
Tuesday Full Day Pass (Includes Trade Show & Lunch and Down East Feast)	<input type="checkbox"/> Member – \$250	<input type="checkbox"/> Non-Member – \$275	\$
Tuesday 1/2 Day Trade Show Pass (Includes Trade Show Lunch)	<input type="checkbox"/> Member – \$125	<input type="checkbox"/> Non-Member – \$150	\$
Register before August 5 and be entered for the early bird draw			Part 2 – Subtotal
			\$

DELEGATE MEALS & ACTIVITIES NOT INCLUDED WITH REGISTRATION			
Sunday, September 18		Please indicate attendance by checking box	
Golf (transportation not included)	Shirt: S__ M__ L__ XL__ XXL__	___ @ \$70 =	\$
Technical Tour – Turtle Creek Water Treatment Facility		___ @ \$15 =	\$
Technical Tour – TransAqua Wastewater Treatment Facility		___ @ \$15 =	\$
Tuesday, September 20			
Down East Feast – Included in Delegate/Companion Registration Fees	Additional Tickets ___ @ \$85		\$
Please indicate meal choice for Down East Feast for Delegate/Companion	Lobster ___	Chicken ___	Beef ___
Please describe any dietary restrictions or other special needs you may have			Part 2 – Subtotal
			\$

PART 3 – TRADE SHOW BOOTH RENTAL & EXHIBITOR REGISTRATION			
Booth Rental (Max 3 Booths & 2 People/Booth)	ABEA Member – ___ Booths @ \$500	Non-Member – ___ Booths @ \$850	\$
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 Hospitality Reception and Trade Show Lunch)	ABEA Member – ___ @ \$75	Non-Member – ___ @ \$100	\$
EXHIBITOR'S NAME	EXHIBITOR'S NAME	EXHIBITOR'S NAME	
			Part 3 – Subtotal
			\$

EXHIBITOR MEALS & ACTIVITIES NOT INCLUDED WITH REGISTRATION			
Sunday, September 18			
Golf (transportation not included)	Shirt: S__ M__ L__ XL__ XXL__	___ @ \$70 =	\$
Technical Tour – Turtle Creek Water Treatment Facility		___ @ \$15 =	\$
Technical Tour – TransAqua Wastewater Treatment Facility		___ @ \$15 =	\$
Exhibitor Booth registration <u>does not</u> include the full conference or meals. To attend full conference, register as a Delegate in Part 2			
Monday, September 19			
Pick-up Breakfast	Exhibitor ___ @ \$30		\$
Annual General Meeting Luncheon	Exhibitor ___ @ \$40		\$
Tuesday, September 20			
Down East Feast	Exhibitor ___ @ \$85		
Please indicate meal choice for Down East Feast	Lobster ___	Chicken ___	Beef ___
Wednesday, September 21			
Awards Breakfast	Exhibitor ___ @ \$30		\$
Please describe any dietary restrictions or other special needs you may have			Part 3 – Subtotal
			\$

PART 4 - TOP OPS COMPETITION REGISTRATION

Top Ops Team Registration	<input type="checkbox"/> Water	<input type="checkbox"/> Wastewater	___ Team @ \$50.00	\$
To complete team registration contact Trent Brewer at (506) 460-2066 or trent.brewer@fredericton.ca			Part 4 – Subtotal	\$

PART 5 – FEES

	Subtotal	\$
	Life Members deduct \$100.00	\$
PLEASE NOTE...ON AND AFTER JULY 1, 2016 HST WILL BE 15%..... BEFORE July 1, 2016 HST is 13% (869 924 910 RT2)		
	Water for People Fun Run/Walk_____ @ \$25.00	\$
	Total Amount Due	\$

PART 6 - PAYMENT OPTIONS

Choose payment method. Complete as appropriate.			
<input type="checkbox"/> Cheque	<input type="checkbox"/> Money Order	<input type="checkbox"/> Visa	<input type="checkbox"/> Mastercard
Please make cheque or money order payable to "ACWWA Conference", Box 28142, Dartmouth, NS B2W 6E2			
CARD HOLDER NAME			
CARD NUMBER		EXPIRY	
SIGNATURE			
Fax: 902-435-7796 or Email: contact@acwwa.ca		EMAIL ADDRESS	
WHEN PAYING WITH A CREDIT CARD AN EMAIL ADDRESS IS REQUIRED FOR A RECEIPT TO BE ISSUED			

Conference Information

Full conference has a 1.5 CEU value.

Trade Show Information

Each booth measures 8' x 10' in the main ballroom and 6' x 10' in the hallway/lobby. 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 scotiatech.main@ns.sympatico.ca. For trade show questions contact Cathy Cameron at scotiatech.main@ns.sympatico.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.

ACWWA Tradeshow 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 31 days in advance of the conference start date will receive a full refund, minus a 10% administrative fee. Cancellations between 14 and 30 days of the conference start will receive a 50% refund. Cancellations less than 14 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.

Top Ops Competition

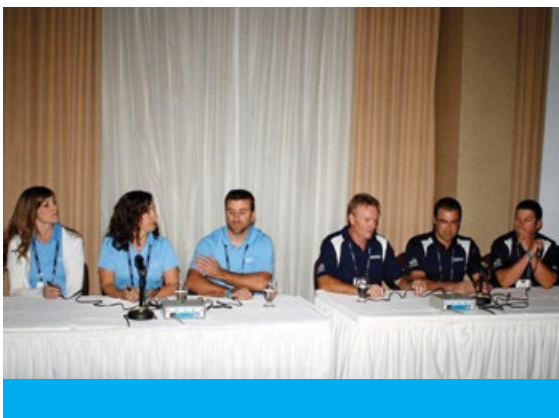


Are your operators the best of the best? What better way to show them off but to enter a team in the ever popular Top Ops competition. Entering its 12th year at the ACWWA Annual Conference, teams will once again go head to head to test their knowledge and get in on the fun in a fast paced, "Reach for the Top" style contest for water & wastewater operators.

Spectators should expect to see some of Atlantic Canada's best water & wastewater operators "match wits" as they compete in the Top Ops championship. If you have ever sat in the audience watching the competition and surprised yourself by knowing a lot of the answers to the questions or maybe you just want to test your knowledge against your peers, why not enter a team in this year's competition?

New this year will be a revised format where teams will answer questions using a white board. This will replace the traditional buzzer system, and take speed out of the equation in terms of teams answering questions. So if you know the answers, you will earn points! We are excited to see how this change will add to the competition. Look for some very close and competitive results!

For further information, or to register a team in either the water or wastewater Top Ops Competition, please contact Trent Brewer at trent.brewer@fredericton.ca or at (506) 460-2066.



ACWWA

Best of the Best Taste Test

Fun Event

What does the “Best of the Best” water taste like, one may ask? Like absolutely nothing. That is what our judges will be looking for when they taste some of what we believe as water purveyors to be some of the best drinking water that we provide our customers every day.

Atlantic Canadian Municipal Utilities are invited to submit a water sample to be judged by a panel of media and water professionals. Samples will be judged on the appearance, odour, taste and overall impression. The competition will take place at the Awards Breakfast before the ABEA Tradeshow on Tuesday September 20, 2016. The first place winner will have the opportunity to represent ACWWA at the AWWA Annual Conference and Exposition (ACE) “Best of the Best” Taste Test in Philadelphia in 2017.

Come and find out who has the best tasting water in Atlantic Canada!

Entry forms, rules and judging criteria are available on the ACWWA Conference website at www.acwwa.ca. **Entry forms are due by September 9, 2016.** For more information, please contact Rick Bennett at (506) 386-0120 or richard.bennett@veolia.com.

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ACWWA

2016





Young Professionals Mixer

Please join us at Gusto Italian Grill & Bar from 5-7 p.m., for our Young Professionals (YP) event!

Both young and mature professionals are encouraged to drop in for some snacks, refreshments, and conversation with newer members in our industry. This is a wonderful opportunity to meet and support our future water and wastewater leaders.

Gusto is located just around the corner from Delta Beauséjour Hotel at 130 Westmorland Street.



Down East Feast Entertainment

Comedian Julien Dionne & Big Bad Party Band

Canadian Comedy Award nominated comedian and podcaster, **Julien Dionne**, has been touring Canada and parts of the US, since 2006. Originally from Scoudouc, New Brunswick, Julien now calls Toronto home — having spent 2 years in New York City cutting his teeth and honing his craft alongside some of the best comedians in the world.



His comedy has been heard on XM/Sirius Radio and CBC Radio. Julien was a performer at JFL42 (Just for Laughs-Toronto), the Hubcap Comedy Festival in Moncton, The New York City Frigid Fringe Festival, and every major comedy club from Victoria, BC to St. John's, Newfoundland. Julien can be heard twice weekly as host of the popular, "The Julien Dionne Comedy Hour Podcast" every Tuesday and Friday.



Big Bad Party Band (formerly BBMB/Big Bad Marty Band) is known as one of the premiere Maritime cover/corporate bands. The band thrives on delivering a product beyond your expectations. They are a very high-tempo, high-energy and fun band to enjoy live. Every show is a new show! With an up-to-date set list, they will make you want to dance. Featuring a wide variety of music from Stevie Wonder and CCR to Bruno Mars and Pitbull. A true Top 40 band!



Technical Tours

City of Moncton Water Treatment Facility

In 1998 Veolia Water was contracted to design-build and operate a surface water treatment plant that would address a myriad of water quality problems facing the tri-community of Moncton, Dieppe and Riverview. Following facility completion, VW Canada began a 20-year agreement to operate, maintain and manage (O&M) this sophisticated facility. The facility features Trident® filters to ensure the highest quality drinking water for Moncton's customers. With a daily average flow total of 48,150 m³ over the last 10 years of service, Veolia has achieved just shy of 300,000,000 m³ of treated potable water since the commissioning in October 1999 without ever having a finished water sample test positive for coliform bacteria.

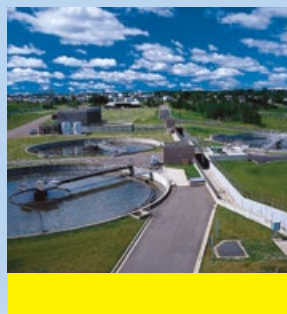


TransAqua Wastewater Treatment Facility

TransAqua's infrastructure consists of a large Sewage Collection System with associated pumping stations, one Main Pumping Station, the central Wastewater Treatment Facility located at outhouse point in Riverview and a Composting Facility located on a separate property.



Detail design is under way to upgrade the current Chemically Assisted Process to an Advanced Biological Removal Treatment. TransAqua operates a wide variety of systems from screening, grit removal, septage receiving, blowers, circular clarifiers, chemical feed systems, centrifuges, lime stabilization system in addition to the impressive deep pumping station capable of moving 264,000 cubic meters per day.



The tour will be provided by senior technical personnel of TransAqua who will be able to present various approaches being taken to upgrade, expand and modernize this large facility.

You will also be able observe an operating BNR pilot plant that was used to evaluate the biological process as well as a working small scale geothermal wastewater heat recovery system being used to determine potential for full scale integration.



City of Moncton Water Treatment Facility

Safe water for everyone

Water for People – Canada (1995) is a charitable, non-profit, international humanitarian organization dedicated to the development and delivery of clean, safe water in developing nations.

Each year, at the Annual ACWWA Conference, funds are raised through various activities to assist with the many projects. On average the Atlantic Chapter raises approximately \$20,000 annually.

Activities include the Well Tapped Brewery Tour, which was held at the Garrison Brewery in Halifax and the Annual Softball Tournament held in Dartmouth.



The 69th Annual ACWWA Conference will host the ever popular Silent Auction, which is open throughout the Conference, closing prior to the Down East Feast on Tuesday evening.

During the Sunday evening Meet and Greet we will be creating a fundraising activity around the friendly Greatario Water Tower Building competition.

Tuesday evening will see the auctioning off of the opportunity to be first and second tables to the buffet table for service – mmmmm...

The 5 km Fun Run/Walk will be held on Monday at 5 p.m. along the Boardwalk of the picturesque Peticodiac River, where you may be fortunate enough to see the famous Tidal Bore.

We look forward to seeing all of the attendees at the Conference, and being able to share our passion for such a worthy cause – and thank those who have supported our charity and its past activities.

Conference Hotel information

**The conference will be held at the
Delta Beauséjour Hotel located at
750 Main Street in Moncton, NB**



Set in the tranquil Petitcodiac River Valley, the Delta Beauséjour Hotel invites you to experience the best of all worlds — energetic downtown Moncton, as well as the celebrated natural attractions of New Brunswick. Located at the geographic center of the Maritimes, close to Shediac Bay and Hopewell Rocks, this contemporary hotel has earned a distinction for award-winning cuisine, superior conference facilities and entertainment options. Sleek, spacious guest rooms with views of the city or river provide a delightful private space for relaxation and productive work, including Club rooms with access to the lounge and its continental breakfast and evening appetizers. Dine in-room, or experience the culinary creations and four Diamond service of the Windjammer. For casual fare, visit TRIIIIO Restaurant or our Bar Le Café. Luxuriate in our Casablanca Spa, or join the nonstop action of our indoor waterslide and game room.

A special conference room rate of \$169 plus taxes per night is in place until August 18th. Reservations can be made at 1-844-496-8551 or on the web at acwwa.ca/conferences/2016conf.html

Please reserve your room by August 18th to receive the special conference rate. Be sure to tell the hotel reservation desk that you are in the **ACWWA block rate**.


DELTA
BEAUSÉJOUR

What's New for ACWWA 2016

Water Tower Building Competition

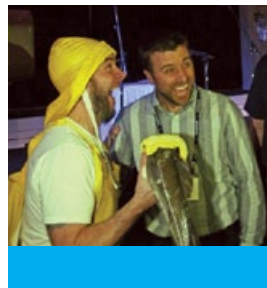
First in Atlantic Canada – this year the old favourites will be back, with the addition of the inaugural “Greatario Water Tower Building Competition” during the Sunday evening Meet and Greet. This activity will allow participants the opportunity to better understand how, in this environment of fiscal restraint, utilities manage to solve problems with creative solutions...it will bring out the “Mr(s). Fix-it” in all of us.

The activity will consist of teams of three given identical materials, with the goal being; to build a tower able to balance an 8oz (250ml) container of water for 30 seconds. Who will build the tallest, the most creative, the most entertaining? Not only will your ingenuity be challenged, but you may meet a new friend as well.

Down East Feast

The best lobster in town

Not only will the lobster be the best in town on Tuesday evening, but the entertainment will leave you wanting more; with a \$300 prize being awarded to a lucky recipient by the evenings presenting sponsor – will it be you?





Where to go in Greater Moncton



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ATLANTIC CANADA
WATER & WASTEWATER ASSOCIATION

ACWWA 2016