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YOUNG PROFESSIONALS SEMINAR

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- Why Should You Hire a Civil Engineering Technologist?
- AWWA One Operator Scholarship



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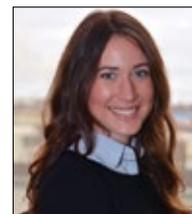
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See you in Charlottetown

Across Atlantic Canada, the 2017 construction season has included a large number of water and wastewater infrastructure projects. These projects have included features such as linear works, reservoirs, pumping stations, and treatment facilities – many of which are a direct result of the Clean Water and Wastewater Fund. With the benefits of these projects in place or underway, our industry and the public benefit. This includes benefits that can be taken in at the ACWWA Annual Conference

“With new projects come new technologies, applications, products, research, and overall industry knowledge that combines in a local perspective only at the annual conference.”

in Charlottetown from October 15 to 18. With new projects come new technologies, applications, products, research, and overall industry knowledge that combines in a local perspective only at the annual conference. Beyond a diverse

technical program, and thanks to the ABEA, the conference includes the largest industry trade show in the region, which is a chance to catch up on trends and changes in the industry.

The conference in Charlottetown will mark the end of my term as ACWWA Chair. It’s been a great experience and I’m proud of our section and the people that keep it running. I’d like to offer my sincere thanks for the opportunity and look forward to continuing to help out in the future.

When fall returns and vacation season is over, it can be like the beginning of a new year. I would like to encourage our membership to use that time to think about starting something new, like joining an ACWWA committee or volunteering in any way. The association exists only because of the strength of our volunteers. We provide critical services to the industry like education and training, but we’re always looking for new people to get involved to help in the development of many initiatives that require extra time. From things like membership coordination, Young Professionals, media and marketing, there are many different ways to get involved with ACWWA. If you would like to contribute to the section, or see an area that needs improvement, please contact the section to get involved. 



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Looking forward to contributing to the section as AWWA Director

Welcome to the Fall 2017 edition of the ACWWA *Go With the Flow* magazine. I am pleased to have an opportunity to make a contribution to this excellent publication that continues to help connect you with the Atlantic Canada water and wastewater industry.

At the AWWA Annual Conference and Exposition (ACE) in June 2017, I had the opportunity to be officially welcomed as an AWWA Director representing our Atlantic Canada section. I am honoured to serve our section in this capacity. Over the

“Over the past few months, I have had the opportunity to shadow Jamie Hannam at various AWWA events in preparation for this Directorship.”

past few months, I have had the opportunity to shadow Jamie Hannam at various AWWA events in preparation for this Directorship. While I gained a great deal of AWWA insight, I was also able to see firsthand what a tremendous individual and resource Jamie is to our drinking water community. I am truly

humbled by Jamie's leadership in AWWA and would like to thank him for his service and leadership to our water community here in Atlantic Canada.

I have attended ACE on many occasions in my capacity as a Professor at Dalhousie University. I often attend these meetings to present new findings from our research program, attend technical sessions and committees, or to network with colleagues in the industry. Now as a Board member, I am starting to appreciate the tremendous resource that AWWA offers its members. For example, the **Water Equation** is a new program that offers Water Operators financial resources to receive training and propel their careers in new directions. As the new AWWA slogan states, “No Operator, No Water!”, I would encourage operators to consider this program to see how AWWA can help your career grow.

I am looking forward to seeing you this fall at the ACWWA Annual Conference in beautiful Charlottetown, PEI. I look forward to learning in our technical sessions and from our exhibitors. I will be hosting AWWA Vice President Kevin Bergschneider at our conference and we would both welcome the opportunity to network with our AWWA colleagues and find ways to help you grow with our organization.

Again, I am honoured to serve our section and I look forward to seeing you in PEI! ☺

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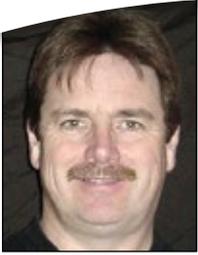
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A fond farewell

This month, I wanted to do a reprint of a WEF member association article on a program that WEF and some of its partners have started to encourage and build green infrastructure. I am thinking if there is enough interest, we can encourage WEF to do a Canadian format of this program and have it as one of our MA programs. Give it a read and if you wish, send me some feedback.

Also, on another note, this will be my last newsletter as WEF Delegate for ACWWA. I have done 10 years in total of this position and am pleased to say that after the ACWWA conference in Charlottetown, PEI in October, Dave Galbraith will be taking the wheel to carry forward as your WEF delegate. Thanks for a lot of great years and the support of all the ACWWA and the water/wastewater community. 🙏

From **wefhq** Leading-edge updates from the Water Environment Federation

Building better water quality one job at a time

National Green Infrastructure Certification Program celebrates a first year of successes

By Pallavi Raviprakash

The National Green Infrastructure Certification Program (NGICP) has two main purposes: to encourage water quality improvements via green infrastructure (GI) projects and to create jobs for those who know how to build them. NGICP took several major steps in the past year toward achieving these goals and has several more in the works.

Initiated under the leadership of DC Water and the Water Environment Federation, NGICP sets certification standards for green infrastructure (GI) construction, inspection, and maintenance workers. The program takes a different tone than most GI and water quality programs. It focuses on the “how” of GI. The program’s certification establishes green workforces to give utilities and private customers confidence in their choice of landscape and construction providers.

It also provides a credential to certified workers that meets international best practice standards. And because the program is national in scope the same certification will apply from coast to coast, providing a “portable” credential that will expand beyond the U.S. eventually.

Major development

During the development phase of the program in 2016, NGICP took several major steps to carefully conceive a nationally relevant certification program. WEF convened 14 founding partners to create the necessary governance and foundational materials.

Representatives from the founding partner organizations participated in the Technical Advisory Group (TAG) and the Strategic Advisory Group (SAG). The TAG oversees the development of the program’s technical components, while the

SAG develops the vision and the implementation plan for the national rollout of the NGICP. A separate Certification Council oversees the program’s governance elements.

First, these groups conducted a job task analysis survey to determine what components the program needed to cover. They fed these survey results into an exam blueprint, which led to an official curriculum. Training support materials came next as the first exam was developed.

First exam

This progression led to the inaugural NGICP exam on Dec. 13, 2016. Seven locations – corresponding to many of the founding partners – hosted the exam for more than 90 applicants.

Exam locations included:

- Washington, D.C
- Baltimore, Md.
- Rockville, Md.

- Harrisburg, Pa.
- Pittsburgh, Pa.
- Fairfax County, Va.
- Milwaukee, Wi.

The three-hour exam tested applicants on their knowledge of entry-level green infrastructure fundamentals, construction methods, inspection techniques, and maintenance procedures in accordance with the Exam Blueprint.

First class and continued improvement

On Jan. 26, 2017, NGICP announced its first class of 62 certified individuals who passed the exam.

Now, NGICP will use this year to refine policies and procedures and continue to build the exam database.

For 2017, training and exams will be available only through the NGICP founding partner organizations. Plans are underway to offer additional NGICP training sessions and exams in the spring and fall. The first exam date in 2017 was set for June 6 and the second in November (specific date TBD).

National debut

In 2018, NGICP will celebrate another milestone: the national launch of the program. This expansion will broaden the partnership and enable other utilities and municipalities to join. Affiliate partners could include nongovernmental organizations, workforce centers, government entities, trainers, and training providers who share a common goal of developing a of GI workforce.

Through this nationwide program certified individuals can set foot on long-term and sustainable path for living wage jobs – often in dense, urban areas where such opportunities can be scarce. By design, these are the same communities where utilities are investing in GI projects.

NGICP will help to ensure a beneficial cycle of employment, water quality improvement, and community development. The workers benefit from employment. The utilities benefit from low-impact, distributed stormwater management. The community benefits from the ancillary advantages of GI such as more green spaces and neighborhood beautification as well as air quality and habitat improvements.

For more background on NGICP as well as the latest news, visit www.ngicp.org.

Pallavi Raviprakash, Technical Programs Manager at WEF has provided technical support on several stormwater initiatives at WEF. She has been involved with the development and management of the NGICP. She has over ten years of experience working in the water resource field, both in the private consulting and non-profit worlds, and holds a bachelor's and master's degree in Environmental Engineering.

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Fall update

Welcome new members!

A warm welcome to our new members over the past few months:

Name	Company	
Meghan Rafferty	Town of Mahone Bay Water Utilities	AWWA
Melissa Healey	Halifax Regional Water Commission	AWWA
Marinko Pavlovic	Connors Bros.	AWWA
Kevin Gray	Halifax Regional Water Commission	AWWA
Elizabeth Casey	Exp Services	AWWA
Steven Stewart	Charlottetown Water & Sewer Utility	AWWA
Mark Feener	Halifax Regional Water Commission	AWWA
Michael Pigott		AWWA
Dave Redden	Dalhousie University	AWWA
Greg Pope	UA Local 56 Training Centre	AWWA
Gerald Martin		AWWA
Upper River Valley Hospital		AWWA
Bill Russell	Upper River Valley Hospital	AWWA
Charles Henderson		AWWA
Gilles Richard	Université de Moncton	AWWA
Cedric Williams	Halifax Water	WEF
Michael Edgar	Halifax Water	WEF



Congratulations to **Gino Pace** (NSCC) for winning a \$50 gift card of choice for referring a new member! 🎁

As of August 11, 2017,
 Total AWWA members: **435**
 Total WEF members: **106**



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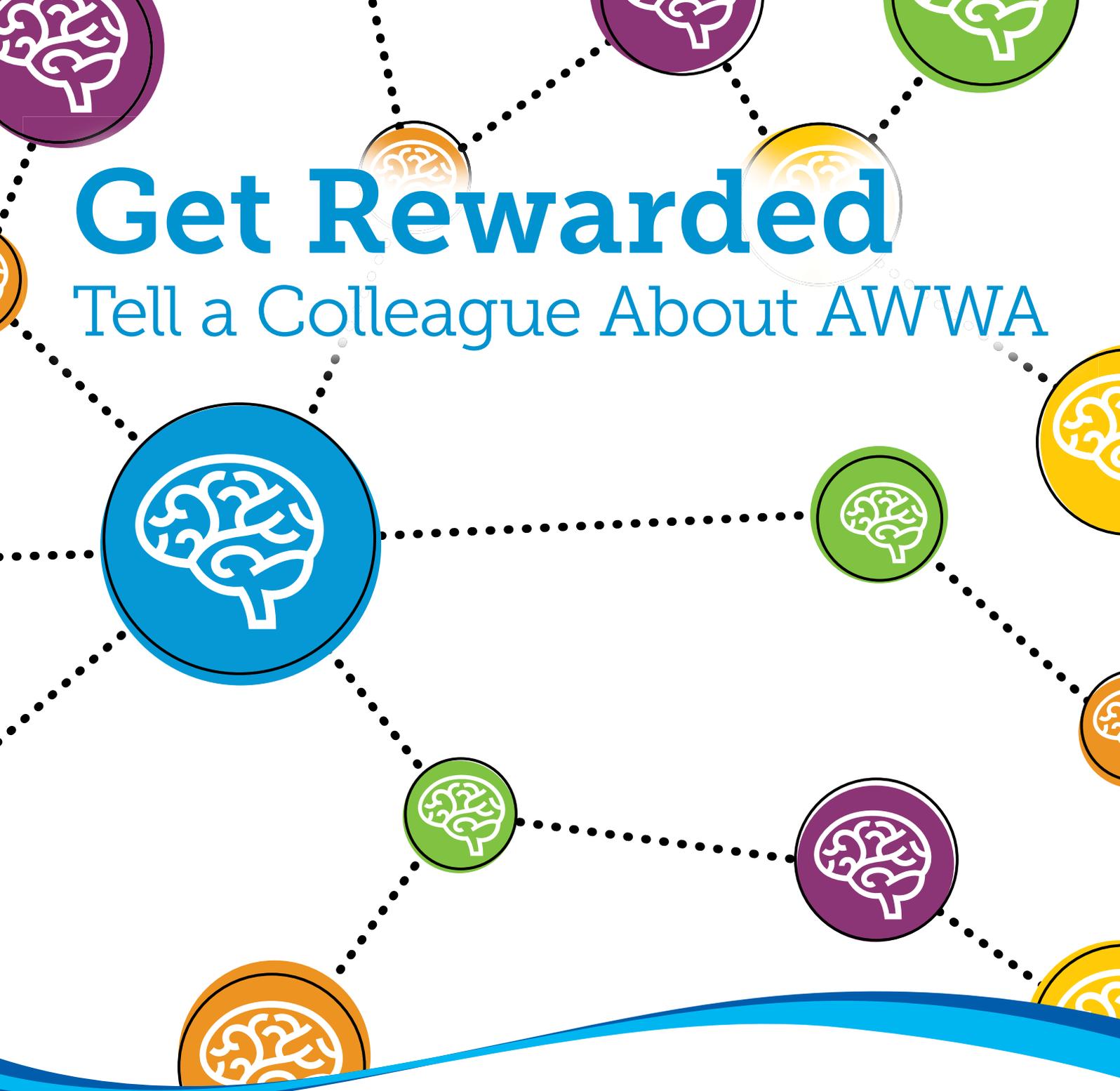






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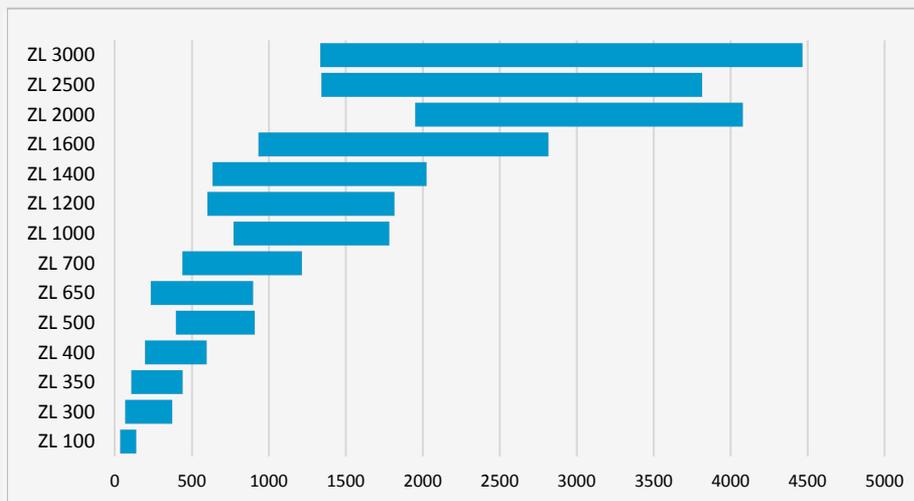
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Recognizing your support

As we prepare for the 2017 ACWWA Conference to be held in Charlottetown, PE, we would like to take this opportunity to recognize, and thank, our current ABEA members – without whose continued support we would not be able to contribute to the annual conference in such a meaningful way.

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The annual ABEA AGM will be held Monday, October 16 at 10:00am at the conference facility – we look forward to seeing you there.



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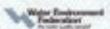
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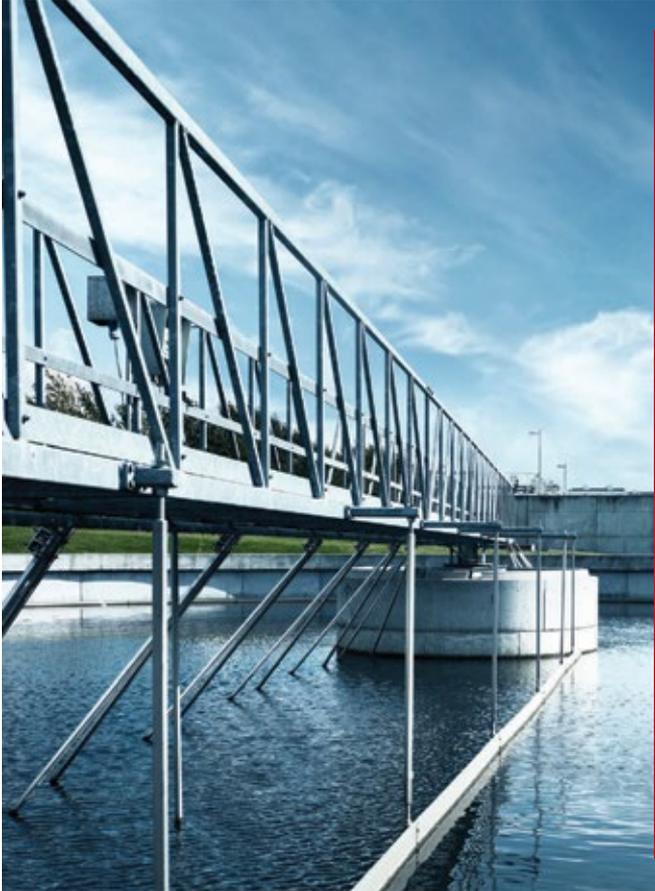
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Conference Highlights

10.15.17

SUNDAY

10:00am ABEA Golf Tournament at Glasgow Hills Resort and Golf Club
1:00pm - 4:30pm Young Professionals Seminar
2:00pm - 5:00pm Charlottetown - Great Things Happen Here Tour
5:00pm - 7:00pm Young Professionals Mixer
- Merchantman Fresh Seafood & Oyster Bar
7:30pm Meet and Greet Reception

10.16.17

MONDAY

7:30am Breakfast available - Continental
8:30am Conference Opening
- Fuller/Bedell/MacNab Awards ceremony
- Keynote Address: Speakers Dr. Edward MacDonald & Dr. David Sabapathy
10:00am - 11:30am Technical Sessions
11:00am Companion Program (Lunch/East Coast Art Party) – meet in hotel lobby
12:00pm (noon) Annual General Meeting Luncheon
1:30pm - 3:00pm Technical Sessions (Demos)
3:30pm Top Ops Competitions (Water & Wastewater)
5:00pm Water for People Fun Run Walk
5:00pm Dine on your own – Enjoy the restaurants of Downtown Charlottetown
9:00pm ABEA Hospitality Night at The Old Triangle Pub with Raglan Road Band

10.17.17

TUESDAY

7:30am Breakfast available - Continental
8:00am ACWWA Best of the Best Taste Test
9:00am - 1:00pm ACWWA / ABEA Tradeshow / Luncheon
11:00am Companion Program (Rum Runner Tour/Lunch) – meet in hotel lobby
1:30pm - 4:30pm Technical Sessions
6:30pm Down East Feast and Entertainment

10.18.17

WEDNESDAY

8:00am Awards Breakfast - Buffet
9:30am - 11:00am Technical Sessions

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					
Check box if you would like to be added to the ACWWA email list <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

PART 2A – DELEGATE REGISTRATION

Full Conference Delegate – Includes all Meals On or Before Sept. 15, 2017	<input type="checkbox"/> Member – \$475	<input type="checkbox"/> Non-Member – \$525	\$
Full Conference Delegate – Includes all Meals After Sept. 15, 2017	<input type="checkbox"/> Member – \$575	<input type="checkbox"/> Non-Member – \$625	\$
Companion/Spouse Program – Includes all Meals	<input type="checkbox"/> Member/Non-Member – \$275		\$
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 September 1 and be entered for the early bird draw			Part 2 – Subtotal
			\$

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

Sunday, October 15		Please indicate attendance by checking box	
Golf (transportation not included)	Shirt: S__ M__ L__ XL__ XXL__	___ @ \$70 =	\$
Tour – Charlottetown – Great Things Happen Here; Birth of the Nation, Water Supply & Resource Recovery		___ @ \$15 =	\$
Honorary Islander		___ @ \$10 =	\$
YP Workshop – Registration is free – please indicate if you are attending		Yes	No
Tuesday, October 17			
Down East Feast – Included in Delegate/Companion Registration Fees	Additional Tickets ___ @ \$100		\$
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 3A – 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
			\$

PART 3B - EXHIBITOR MEALS & ACTIVITIES NOT INCLUDED WITH REGISTRATION

Sunday, October 15			
Golf (transportation not included)	Shirt: S__ M__ L__ XL__ XXL__	___ @ \$70 =	\$
Tour – Charlottetown – Great Things Happen Here; Birth of the Nation, Water Supply & Resource Recovery		___ @ \$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, October 16			
Pick-up Continental Breakfast	Exhibitor ___ @ \$25		\$
Annual General Meeting Luncheon	Exhibitor ___ @ \$60		\$
Tuesday, October 17			
Pick-up Continental Breakfast	Exhibitor ___ @ \$25		\$
Down East Feast	Exhibitor ___ @ \$100		\$
Please indicate meal choice for Down East Feast	Lobster ___	Chicken ___	Beef ___
Wednesday, October 18			
Awards Breakfast	Exhibitor ___ @ \$35		\$
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 \$
	HST 15% (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	
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Why should you hire a Civil Engineering Technologist?



Photo credit: NSCC Photography

By Krista Taverner, P.Eng.
Faculty – Civil and Building Technology Department, NSCC School of Trades and Technology

The fall is an exciting time for students of all levels of education as they begin a new year of studies. It seems the perfect time to highlight the talents of our civil engineering technologist graduates and let you know how they could fit within your organization.

Civil Engineering Technology

The Civil Engineering Technology (CETG) program has been offered at NSCC for the past ten years. CETG is an intense, two-year diploma program and covers five main competencies: municipal design, geotechnical, surveying, construction management,



and structural design. Students get a lot of one-on-one attention from the faculty and benefit from their real-world experience and advice.

The program is accredited with the Canadian Technology Accreditation Board (CTAB) as a “technologist” level program. The main difference between a “technologist” and

a “technician” program is that civil engineering technologists must take calculus, and complete a year-long, technical research project.

Graduates also have the ability to continue their studies through various university agreements.

Where are they hired?

Over the past decade, our CETG graduates have been hired by consultants, municipal and provincial government agencies, contractors and material suppliers. They are hired for many roles including design, laboratory analysis and materials testing, project management, sales, construction inspection, estimating, surveying, and detailing.

Employment-ready skills

Employers who have hired CETG graduates in the past tell us they have many job-ready skills. As with any new graduate, on-the-job training is expected, however, the CETG students gain many practical skills which enable them to hit the ground running after graduation. These skills are developed through work on engineering design projects and labs, using industry-standard software, equipment, and procedures.

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Real-world projects

Here are a few examples of the practical projects students complete that help prepare them for the workforce:

- Detailed design of two residential subdivisions, including water, sanitary, and storm systems design. Results are summarized in technical reports prepared by the students.
- Quantity estimate, construction cost estimate, construction schedule, and tender document preparation for residential subdivision design.
- Surveying labs involving construction layout and topographical survey using GPS and Total Station with data collectors.
- Geotechnical labs including concrete mix design and testing project, as well as soil classification, gradation analysis, Atterberg limits, and others.
- Structural design of a low-rise commercial steel building. This design is completed using the steel, wood, and concrete design handbooks.

Throughout the program, students learn and apply state-of-the-art software such as AutoCAD, Civil 3D, EPANET water model, PCSWMM, MS Project, Forte, Excel spreadsheets and others.

Where to start

Knowing where to start when tasked with a project is challenging, however, our CETG graduates are instructed on government rules and regulations. Their project and lab work must conform to all pertinent guidelines, specifications, codes, regulations, as well as local requirements. They complete an Engineering Regulations

course, requiring them to spend time interpreting and applying these standards.

Civil technologists learn to apply safety standards from day one, and besides reinforcing safe work practices, complete safety awareness courses in Introduction to Confined Space, Fall Arrest/Fall Protection, Hazard Identification, Lock Out/Tag Out, and Respiratory Protection. They also complete Standard First Aid and CPR, and they explore several Nova Scotia OH&S regulations.

Industry partners for senior projects

Over the past ten years, we have seen some impressive senior projects developed by our students. We thank the many industry partners who have provided mentoring to support their work.

If you have an idea for a student project, would like to mentor a student project, or would like to find out more about our graduates, please email me at krista.taverner@nssc.ca. If you want to know more about the College's CETG program, go to nssc.ca.

Happy hiring!

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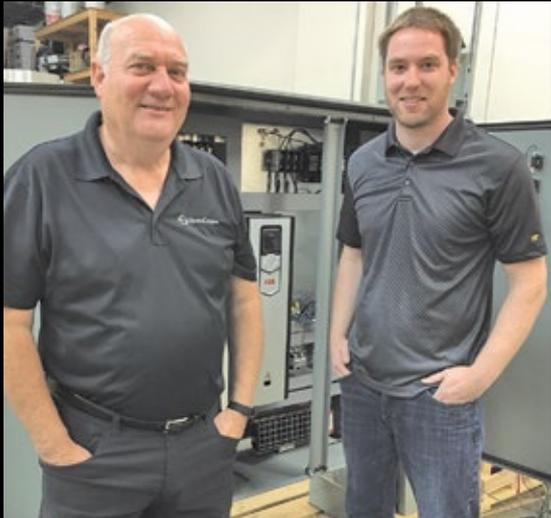
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We welcome you to join us

The Young Professionals (YP) Committee is excited to invite YPs attending this year's ACWWA Annual Conference to join us for the Young Professionals Seminar, which is being held from 1:00 pm to 4:30 pm on the opening day of the Conference, Sunday, October 15, 2017. The half-day event will feature presentations by industry leaders on a range of topics related to career development in the water and wastewater industry, and it will include several networking and professional development activities. It will also provide an excellent opportunity to meet other YPs before the YP Mixer, later in the evening. As a bonus, all seminar attendees will receive a ticket for a complimentary drink at the Mixer.

The seminar will feature the following speakers:

Amy Winchester – Process/ Environmental Engineer – CBCL Limited

Amy Winchester has more than 13 years of experience as a Process/ Environmental Engineer. Ms. Winchester has completed design work and distribution system modelling for a number of water and wastewater systems, and recently completed an extensive review of the City of Saint John's water supply system. Ms. Winchester is actively involved with the ACWWA. She presently serves on the Executive Board as First Vice Chair and previously served as Membership Director. Ms. Winchester will be speaking about the opportunities and rewards of volunteering with the ACWWA, and how the organization has played a role in her career.

Sam Arsenault – Wastewater Treatment Supervisor – City of Summerside

Sam Arsenault has a diverse range of experience in the water

and wastewater field. As the Wastewater Supervisor for the City of Summerside, he is responsible for managing the City's tertiary biological nutrient removal (BNR) wastewater treatment facility. Previously, Mr. Arsenault was the City's Assistant Operations Supervisor, where he assisted with the operations of the water supply and distribution systems, as well as the City's wastewater collection system. Mr. Arsenault will be speaking about his experiences and the various opportunities for YPs in the water and wastewater sector.

Ramona Doyle – Sustainability Officer – City of Charlottetown

Ramona Doyle is the Sustainability Officer for the City of Charlottetown

and previously served as the City's Utility Projects Officer. In her current role, Ms. Doyle is responsible for integrating sustainability into City operations and increasing public awareness of important environmental issues. Ms. Doyle has developed and implemented a diverse range of community and corporate sustainability programs and initiatives, including wellfield and watershed protection, water conservation, and greenhouse gas reduction programs. Ms. Doyle will be speaking about implementing sustainability in municipal operations.

This seminar is a free event for all YPs attending the Conference in Charlottetown. Be sure to sign up for the seminar when you are registering for the Conference. 



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AWWA One Operator Scholarship



Congratulations to Luc Richard, the first recipient of the AWWA One Operator Scholarship. Luc has received \$1,000 to support his pursuit of education in the Power Engineering Technology Program at the NSCC Akerley campus in Dartmouth, NS. The One Operator Scholarship is co-funded by AWWA and ACWWA, and is available to operators and students who are individual or utility members of ACWWA.

This is an exciting opportunity that can be used for various professional development initiatives such as purchasing books, attending a conference, funding certification, training programs, and so on. Up to \$2,000 is available annually, and ACWWA will accept and review applications



Photo caption: (L to R) Melissa, Luc, and Todd Richard

as received. You can easily and quickly apply online or by email, and all related information is posted

on the ACWWA website (www.acwwa.ca/scholarshipcommittee/82-acwwa-scholarship.html). 



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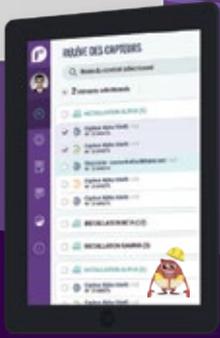
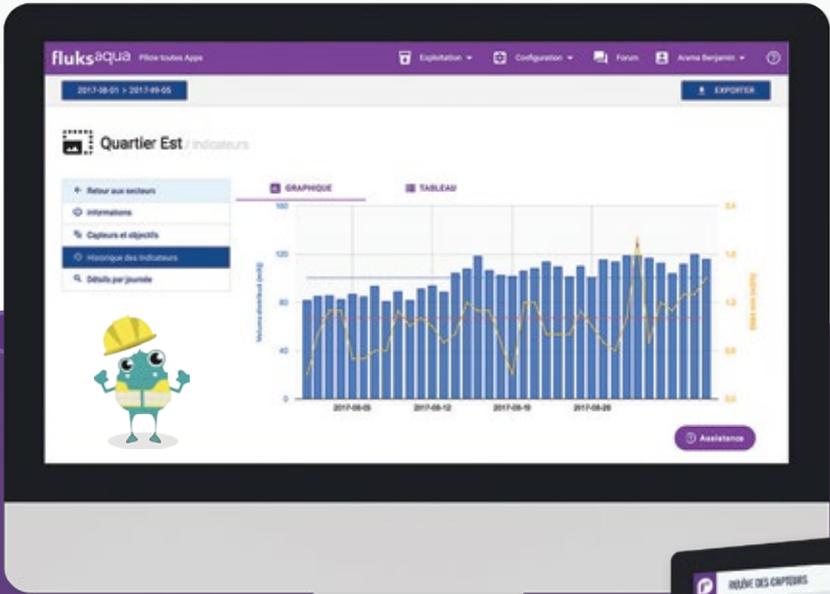
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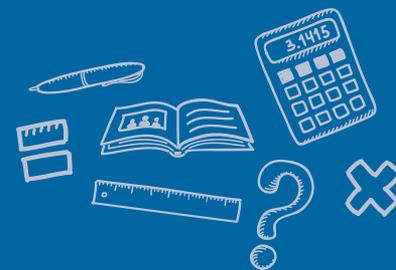
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Register today for upcoming ACWWA courses

The following is a list of the ACWWA 2017 fall courses. Please check our website for online registration, course details, and additional courses. www.acwwa.ca

September 26-29, 2017	Water Treatment CBCL	Halifax, NS
October 3-4, 2017	Emergency Chlorine Repair	Sydney, NS
October 19, 2017	SCADA	Halifax, NS
October 24-25, 2017	Water & Wastewater Fundamentals	Halifax, NS
October 26-27, 2017	Chlorine Disinfection	Charlottetown, PE
October 27, 2017	Lift Station and Force Mains	Sydney, NS
November 6-9, 2017	Wastewater Treatment Lorne	Moncton, NB
November 10, 2017	Lift Station and Force Mains	Corner Brook, NS
November 20-23, 2017	Water Distribution Lorne	Moncton, NB
November 28, 2017	Lift Stations and Force Mains	Halifax, NS
November 28, 2017	Basic Lab Procedures for Water Operators	St. John's, NL




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- Conduct practical field surveys to identify cross connections and make recommendations for corrective measures.

Course objectives certification

A performance of 80% minimum on the written examination and successful completion of a supervised building survey constitutes a passing mark and a Certificate of Achievement will be issued by ACWWA. A Certificate of Attendance will be issued to those completing the course but not meeting the above requirements.

Registration information

Seating is limited to 12 participants.

To register, please contact NSCC Admission at 1-902-491-4911 and reference class number 5289.

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in conjunction with the Canadian Association for Water Quality's National Symposium on Water Quality Research
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Bringing utility leaders, researchers, policy makers and technology providers together. This will be the third in our National Water and Wastewater Conference series. Merging all aspects of water management – from wastewater to drinking water to water and wastewater research to utility and infrastructure challenges, this event is a truly unique event that fosters national dialogue on the most important national water issues.

The 2016 event hosted nearly 500 delegates, with up to six parallel sessions, several keynote presentations, and amazing social and networking events. Be sure to mark your calendar and plan to attend.



Program updated – Utility Leadership Stream now updated

Our program has been updated to include the climate change, security and our utility leadership stream. Be sure to check it out, and register today.

Online registration now open

Register for the conference online at <https://www.nwwc2017.ca/registration>.

Preliminary program available

The preliminary program is now

available online. We're still working on completing some sessions, but we're excited to share the program with you! Go to <https://www.nwwc2017.ca/program>.

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Reminder:

ABEA 'Annual ACWWA Conference' Attendance Grant

(est. 2016)

The ABEA is a body made up of 40+ members (suppliers) who have, as their joint goals, the desire to:

- Promote understanding and goodwill
- Encourage and stimulate the exchange of ideas
- Acquire and disseminate information
- Provide funding
- Foster relationships amongst members and between associations
- Encourage fair and ethical ventures
- Promote member products/services

With these goals in mind, the ABEA has challenged itself to establish a platform to continue supporting the ACWWA, and those members who would benefit most from the Annual Conference, but are limited due to economic challenges.

Eligibility:

Each applicant must be a full-time employee of a utility located

within Atlantic Canada, or an organization which has an interest or supports/maintains the necessary infrastructure to qualify as an ACWWA member.

Review process:

All applications will be reviewed by a committee of volunteers.

Application:

- Resume (to include, but not limited to, name, business address, contact information – phone, email, and fax)
- Membership record with ACWWA (AWWA/WEF)
- Past participation in the Annual ACWWA Conference
- Status of infrastructure, and expected outcomes from attendance
- Personal goals for attendance
- Financial need (what portion are you looking for the Grant to provide? Explain.)



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All information must be verifiable. Grants are non-transferable, and have no cash value.

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Halifax Water

On August 22, 2017, the Nova Scotia Utility and Review Board released a decision approving a Halifax Water enhanced lead service line repair and replacement program. The decision is a significant step forward in Halifax Water’s ongoing effort to replace lead service lines (the lateral/pipe from the water main in the street to a customer’s home).

This new program includes a funding component, as the financial aspect is often the biggest barrier to homeowners when they’re looking to replace their private lead service. This new program goes a long way in breaking that barrier as the funding component will give Halifax Water the ability to provide financial assistance for 25% of the cost, up to \$2,500.00, to homeowners who

replace the private portion of the lead service. Prior to this program Halifax Water could not offer any form of financial assistance.

This new program makes Halifax Water one of a handful of utilities in North America to institute such a program. The utility, in conjunction with Dalhousie University, is also internationally recognized for its research efforts regarding lead.

It is estimated there are 10,000–15,000 private lead service laterals and approximately 2,500 public (Halifax Water-owned) lead service laterals. These are found primarily in the Halifax peninsula and central Dartmouth in homes built up until mid-1950.

It is important to note that drinking water is essentially lead-free in Halifax Water’s distribution system prior to entering water

service lines. Lead enters water (“leaches”) through contact with the service and private plumbing systems. This happens through corrosion, when metal dissolves or wears away due to a chemical reaction between water and pipe or fittings. Sources of lead include lead service pipes, lead solder, brass fixtures and faucets, and fittings.

Halifax Water treats water to minimize lead corrosion and, in most homes with lead components, the level of lead in drinking water is below the level required by Health Canada. However, high levels of lead can be present in homes with lead service lines or in plumbing components in the home.

Over the coming months Halifax Water will be implementing an enhanced public education campaign to raise awareness of this new program. 



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