



2019 ANNUAL REPORT



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2020 Annual General Meeting

Date: Thursday, May 14, 2020

Time: 10:00 am – 11:00 am

Via Webinar

Agenda

1. Call to Order
2. Introduction of the 2019-2020 Board
3. Approval of 2019 Annual General Meeting Minutes
4. President's Report – Richard Szigeti
5. Treasurer's Report – Larry Madden
6. Appointment of Accounting Firm for Fiscal 2020
7. 2020-2021 WEAO Board
8. Adjournment



2019 ANNUAL GENERAL MEETING MINUTES

WEAO Annual General Meeting
Sunday, April 14, 2019 at 4:00 pm ET
Metro Toronto Convention Centre (North) Room 103B, Toronto, ON

Present: **WEAO Board members**
John Presta Richard Szigeti
Erin Longworth Nancy Afonso
Gary Burrows William Fernandes
John Presta Dean Rudd
Dave Evans Edgar Tovilla
Frank Scriver Dean Iamarino
Aleah Henry Graham Seggewiss
Heather Tyrrell

Plus 33 attendees

1. Call to Order
 - Meeting called to order at 4:00 p.m. by Erin Longworth
 - Annual Report distributed to attendees.
2. Introduction of the 2018-2019 Board of Directors and their affiliated organizations.
Introduction of Guests – Eileen O’Neill (WEF delegate), Cordell Samuels (past WEF president), Robert Haller (CWWA),
3. Approval of 2018 Annual General Meeting Minutes
 - **Motion:** To accept the minutes from 2018 by Edgar Tovilla, seconded by Richard Szigeti.
Carried.Business Arising from meeting minutes – None.
4. President’s Report – Erin Longworth
 - WEAO’s Strategic Plan -- This past term, Year 1 of the Strategic Plan, much progress was made on implementing the goals within the key focus areas of the Plan.

WEAO Board and Government Affairs Committee (GAC) have made excellent progress in the focus area of Collaboration. Since the revitalization of the GAC two years ago, the committee maintains close relationships with many government agencies and external organizations. WEAO also began exploring opportunities for further collaboration with other associations, such as OMWA and OWWA.



WEAO conducted a survey of all active volunteers of the Association and received some valuable feedback on the website and other communications channels. WEAO is looking to improve the ways of communicating with members and the general public through the website and social media channels such as Twitter, LinkedIn, and Facebook

5. Treasurer's Report – John Presta, Past President (in lieu of Larry Madden)

Previous fiscal year: \$19,418

Excess of revenue over expenses: \$72,154

Net assets: \$861,371

Cash assets: \$834,326

Of the \$834,326, \$700,000 had been set aside by the Board of Directors as an operation reserve, representing one year of expenses.

Motion: Clarke Pollard Gagliardi Navickas LLP be appointed as accounting firm for 2019. Proposed by Nancy Afonso, seconded by Dean Iamarino. Carried.

6. Committee Reports

Committee Chairs presented overview of their Annual Reports

➤ Asset Management

- Webinar May 30th: Sewer Inspection Programs and Fixing the Findings
40 registered computers, 69 logged on, estimated around 150 attendees. Administered by WEAO
- Webinar December 5th: Advanced tools that help water utilities build cost saving and defensible capital work programs.
30 registered computers, 52 logged on, estimated over 100 attendees Administered by OWWA
- Provided three articles: for INFLUENTS

➤ Climate Change

- Planned seminar for November, rescheduled to 2019 due to low registration
- Drafted concept for Resiliency Award and sought Board Approval from OWWA/WEAO

➤ Collections

- Hosted four half-day sessions at the WEAO Annual Conference addressing design, operation and maintenance of collection systems, along with Condition Assessment & Modelling and stormwater management & climate changes.
- Recognized the accomplishments of Paul Imm through the presentation of the Golden Manhole Award at the 2018 Annual Conference. The Golden Manhole Award is a WEF award that recognizes the work of individuals in the area of collection systems and their involvement in the WEAO.

- Together with the YP committee, organized a Facility Tour at the Newmarket and Aurora Pump Stations Facility Tour in York Region which was held on September 22, 2018. The technical tour was well attended with 30 registered guests.
 - Specialty Workshop took place on October 17, 2018 at the Mississauga Grand Banquet Hall in Mississauga, Ontario. The one-day workshop was well attended with 62 registered guests interested in learning from guest speakers showcasing their recent projects and initiatives related to this year's theme – Innovative Approaches to Collection Systems Management. The Workshop brought the perspectives of planners, owners, engineers and equipment providers together, and made for an excellent series of presentations and thought-provoking discussions.
 - Paul Imm prepared an article for the WEAO Influent Magazine, summarizing the fall collection system workshop.
 - Contributed to the MECP Low Impact Development (LID) Stormwater Management Guidance Manual.
 - Contributed to the MECP Wastewater Stakeholder Consultation Group on Sewer Design Criteria for Pre-authorized Sewage Infrastructure Guidelines.
- 2018 Conference
 - Replaced pocket program with app
 - Free Wifi
 - Water Brothers as Keynote speakers
 - Worked with XC-D technologies using their conference management software solutions for abstract submissions, reviews, papers, exhibition, registration, and app in preparation for 2019 conference.
 - Government Affairs
 - Communication Strategy approved by Board in May 2018 – Covering internal communications with WEAO committees, and external with government agencies.
 - Completed the study: Experience on system wide ECAs for wastewater collection and stormwater management systems by Ontario municipalities. Presented at:
 - MECP Professional Engineering Development Day – May 9, 2018
 - Municipal SWM Discussion Group, Guelph, ON, Sep 27, 2018
 - MEA Annual Workshop, Thunder Bay, ON, Nov 22, 2018
 - MECP Executive Meeting with OWWA and OMWA on April 19, 2018 – GAC provided support to the WEAO Board in preparing summary of topics for discussion.
 - Held the Sep 2018 Quarterly meeting hosted with MECP. Five MECP Directors of different branches attended the meeting. Accomplishments from this meeting:
 - Reviewed WEAO study: Municipal experience on system-wide ECAs
 - Ideas for holistic approach for MECP approvals and strategies for I/I from a regulatory view point.
 - Prepared WEAO Influent articles to inform membership on:
 - Spring 2018 – Ontario Climate Change Adaptation Approach
 - Summer 2018 – Executive Meeting MECP, OWWA and OMWA
 - Fall 2018 – Municipal experience of system-wide ECAs
 - WEAO – MECP Wastewater Practitioners Group (4 meetings):
 - I/I Report by RPWCO Environmental Committee

- CSA standard for Climate Change for WWTP Design
 - ECA Standard Template
 - Participated on the MECP Stakeholder Group for a new wastewater and stormwater design criteria – Kickoff meeting on December 2018.
- Magazine
- Published four issues of the Magazine:
Spring 2018 – Valves and Piping
Summer 2018 – Barriers to Innovation
Fall 2018 – Game Changing Technologies
Winter 2018 – Effluent Reuse
 - Total revenue to WEAO was \$34,814.
 - Issues included:
22 technical theme articles;
25 articles by Young Professionals;
23 articles or advertisements from WEAO committees, plus the conference preview and recap.
 - Adopted a decentralized committee structure to help distribute the committee work more effectively and assist in succession planning.
- Professional Wastewater Operators (PWO)
- Operator Certification Working Group (OCWG): The OCWG was established to ensure that certification program decisions are considered and there is a forum for discussion with stakeholders.
 - Overall Responsible Operator (ORO) Discussion Group – The MECP put a call out for stakeholders to participate in the role of the ORO and challenges related to hiring and retaining OROs. This discussion group was involved in these discussions over the past many years. Most recently members provided comments via this working group for the latest draft document dated September 2018 (meeting was in October 2018).
 - PWO Technical Session at the Annual Conference
- Promotions and Event Planning Committee
- WEAO held the 2018 Golf Tournament at a new venue, the Crosswinds Golf Course in Burlington. Moved back to a September date, again with the hope that this would encourage people to attend. Despite these changes, attendance remained similar to 2017 with approximately 90 golfers.
 - Great Canadian Icebreaker was held in New Orleans on October 1 at the Crescent City Brew Pub. This was a new venue location over past years in New Orleans. Events was well attended with approximately 200 people. WEAO held this event in conjunction with the Atlantic Canada WEF MA, to encourage participation from other areas of the country in the spirit of this being advertised as a Canadian event.
- Public Engagement and Education (new name)

- 3 Science Fairs: Niagara Regional Science and Engineering Fair; Peterborough Science Fair; and Toronto Science Fair
 - Supported 2018 Canadian Stockholm Junior Water Prize (C. Toth/I. McIlwham, travelled with 2018 Canadian winner, Holly Tetzlaff presenting her project, 'Disappearance ≠ Disintegration: The Environmental Impact of Pseudo Flushables')
 - Supported Residuals & Biosolids Committee developing curriculum for Grade 7
 - Organize and prepare several articles published in INFLUENTS
- Residuals and Biosolids
- Development of an Ontario curriculum-based Education Program for Grade 7&8 children focused on biosolids
 - Research and Education Program - call for proposals sent out in late summer and a \$5,000 award was given to Jason Gerhard of the University of Western Ontario for his research entitled Optimizing Starx Technology for Energy Efficient Destruction of Biosolids. This research will commence in 2019. Fall Seminar (Dec 4 and 5, 2018) – “The Beneficial Use of Biosolids in the Circular Economy & Thickening and Dewatering.”
 - Selected papers for the 2019 WEAO Technical Symposium and OPCEA Exhibition
 - Participated in the PFAS initiative for biosolids and residuals through North East Biosolids & Residuals Association (NEBRA)
 - Prepared INFLUENTS article for “The Beneficial Use of Biosolids in the Circular Economy & Thickening and Dewatering” seminar.
 - Successful seminar – one of the highest attendances
- Utility Management
- The 2018 Utility Management Forum was held on October 16, 2018 at the Mississauga Grand Banquet Hall in Mississauga, Ontario. There were two keynote presentations, and six breakout sessions with 20 speakers. Attendance was very good with almost 100 attendees, including as many as ten nonmembers. There was also a well-attended closing session to end the day. The 2018 UMF was also a very successful financial venture realizing a net income of over \$11,000.00
- Wastewater Treatment and Technologies Committee
- Delivered two sold-out seminars:
Mar. 28, 2018- Microbiology Seminar
Nov. 14, 2018- Bringing Advanced Technologies to Ontario
 - Completed abstract review & technical session makeup for 2019 annual conference
 - Developed a guideline to provide more clarity on Alternate Speaker Program for conference
 - Clarified board expectations around annual conference attendance for volunteers & speakers
 - Developed a new guideline on committee member expectations (active & associate 28 committee members)
- Water for People

- Recruited committee members
 - Updated committee Terms of Reference
 - Reviewed WEAO – WFPC MOU
 - Collaborated with OWWA WFPC committee
 - Initiated various discussions to implement new corporate giving programs at organizations such as GHD and OCWA
 - Developed articles for INFLUENTS about the activities of Water for People
 - WEAO Annual Conference raffle draw table
 - Held a Social Night at conference
- Young Professionals Committee
- Steering Committee
- Monthly committee conference calls (the first Tuesday of every month)
 - Spring (June) YPC team building meeting at the University of Guelph
 - Fall (October) YPC team building meeting at the WEAO office
 - Planned and executed the Sunday Night Social Hour at the WEAO Conference
- Conference Sub Committee
- Coordinated YP conference activities, including mentorship hour and the student design competition.
 - Organized and managed all YP conference volunteers for: ticket collecting, the Totally Wasted Game Show, and the YP/Water for People Booth
- Magazine
- Solicited, edited, and submitted articles to INFLUENTS magazine summarizing YP events
- Mentorship
- Coordinated Mentorship Program presentation and social at the 2018 WEAO Conference
 - Introduced a new mentorship program (Mentorship Rocket)
 - Program statistics: 21 mentees, 22 mentors, and approximately 55 mentorship sessions
- Professional Development
- Planned and executed technical seminars and workshops targeted at Young Professionals but open to all WEAO members. 2018 events included:
- Scholarship
- Kelman Scholarship awarded to one (1) high school student. Seven (7) applications received. Awarded Summer 2018.
 - WEAO Scholarship awarded to four (4) post-secondary students. Seven (7) applications received. Awarded Winter 2018.
- Social Events
- Planned and executed Young Professional Meet & Greets, social events, and other networks opportunities. 2018 events included:

Curling (Winter 2018)
WEAO Conference Social (Spring 2018)
Salsa dancing (Summer 2018)
Beach Volleyball (Summer 2018)
Toronto Meet & Greet (Fall 2018)
Ottawa Meet & Greet (Fall 2018)
Kitchener/Waterloo Meet & Greet (Fall 2018)
WaterDocs Viewing Event (Fall 2018)
Holiday Bash (Winter 2018)

Student Chapters

- Provided guidance to eight active chapters: Queen's University, University of Toronto, Ryerson University, McMaster University (WEAO-only Chapters); Guelph University, Carleton University, University of Ottawa, and Western University (Joint WEAO/OWWA Chapters)
- Led organization of Student Chapter Leadership Forum (Ryerson University, Summer 2018) and Chapter Information Webinar (Fall 2018)
- Coordinated student chapter sub-committee buddy program that pairs each student chapter with a YP sub-committee member
- Awarded 2017/2018 Student Chapter of the Year to Western University

Student Design Competition

- 2018-2019 competition focused on phosphorus reduction to the Thames River. Host: City of London. Winner: University of Guelph.
- Continue collaboration with the MECP for identifying the host, development of the project statement
- Committee began evaluating/optimizing future competitions. Collaboration with Universities for 4th year design project. Optimize release of project statement timing.

Communication and Social Media

- Twitter account remains successful and active (over 1000 followers)
- LinkedIn account remains active (over 500 followers)
- Monthly YP Newsletters emailed to distribution list

7. 2019 Board Elections

- Edgar Tovilla elected as Vice President.
- Danielle Anders and Chandra Baker elected as Directors.
- Amy Langford elected as Young Professional Vice Chair

Motion to accept 2019-2020 slate of board members proposed by Dean Rudd, seconded by Dean Iamarino. Carried.

8. New Business -- None

9. **Motion** of Responsibility



“We hereby support and approve all expenditures, actions, and agreements undertaken by the Board of Directors and its Officers and Agents on behalf of the Association, as reported to the membership.”

Moved by Richard Szigeti, seconded by William Fernandes. Carried.

10. **Motion** to Adjourn 2019 Annual General Meeting

- Moved by Frank Scriver



PRESIDENT'S MESSAGE

2019 saw the WEAO's Board of Directors continuing to work towards its remaining goals and objectives in the 2018 -2020 strategic plan. The plan is a roadmap for WEAO to continue leading in the field of waste water treatment and collection in Ontario. Through our many committees of over 200 dedicated and talented volunteers, we fostered and promoted WEAO's defined Vision, Mission and Core Values.

Some highlighted successes for 2019 include progress in building strong alliances with many collaborate with like-minded stakeholders in the province. WEAO continued to provide members with informative seminars and networking events that were often sold out and received positive feedback from participants. The Board developed new policies and directives that will help to guide future Board decisions. We also saw overwhelming participation by our membership which includes Seasoned as well as Young Professionals in volunteering and helped to forge our path forward. The continued contributions and development of our Young Professionals through a strong mentorship program laid the foundation for succession planning and reflects a bright future for the association. The development and publication of a grade 7 biosolids curriculum was another success with a rollout to Ontario teachers planned for 2020 and beyond. WEAO's 16 committees continued their outreach and engagement with the membership in providing great interest, participation and value. These are only a few of the great examples of the progress and continued value we add to our industry as an association.

Personally, it has been a true honour and a privilege to be able to serve as the President of WEAO. It has provided me the opportunity to meet and work with so many talented and committed individuals who demonstrate their passion for our industry everyday, through participation as a WEAO volunteer and in their everyday profession. I am grateful for having our dedicated staff, Heather and Jennifer, who organize, administer and carry out the day to day operations of the association. I thank them for their support and guidance.

In closing, I would like to warmly thank all our volunteers and committees for their hard work and commitment in making The Water Environment Association of Ontario what it is today, "a great leader". On behalf of the Board, I would also like to thank and acknowledge the employers of our valuable volunteers, without whose support we would not be able to run our many initiatives and programs. I look forward to continuing to work with the WEAO Board and support the incoming President, Edgar Tovilla, as he leads the association for this coming year.

Sincerely,

Richard Szigeti
President



WEAO PROFILE

The Water Environment Association of Ontario (WEAO) is an incorporated, not-for-profit, technical association of approximately 1,100 environmental engineers, scientists, operators, and others from consulting companies, municipalities, industry, equipment suppliers and government agencies. The Pollution Control Association of Ontario (PCAO) was formed in 1971 and the Association changed its name to the WEAO in 1993.

The WEAO organizes conferences, seminars and workshops to inform its members and others of the constantly changing developments in environmental technology. The Association publishes a quarterly magazine, "INFLUENTS", to report on the WEAO and other related environmental activities.

Members of the WEAO can also become members of the Water Environment Federation (WEF) based in Alexandria, Virginia.

The WEAO is an active member of the Canadian Water and Wastewater Association (CWWA).

OPERATION OF THE EXECUTIVE

The affairs of the WEAO are administered by a Board of Directors that is comprised of:

President

Vice-President

Past President

Secretary / Treasurer

Two WEF Delegates

One CWWA Representative

One Professional Wastewater Operators (PWO) Representative

Two Young Professional representatives

Six Directors

WEAO's Chief Administrative Officer.



The Board appoints the two WEF Delegates and the CWWA Representative as required and each one serves a three-year term. Two Directors, the Vice President, and one Young Professional representative are elected annually by the membership. Nominees for the WEAO Board of Directors are drawn from the membership; nominees for the position of Vice President are drawn from the current and previously elected directors. The Vice President automatically assumes the Presidency after one year in office.

JANUARY – APRIL 2019

President	Erin Longworth, CIMA+.
Vice President:	Richard Szigeti, City of Toronto
Past President:	John Presta, Region of Durham
WEF Delegates:	Dean Iamarino, Region of Halton John Presta, Region of Durham
CWWA Representative:	William Fernandes, City of Toronto
Directors:	Shirley Anne Smyth, Environment Canada Edgar Tovilla, Region of Peel Dean Rudd, Endress & Hauser Frank Scriver, Flottweg Separation Technology Nancy Afonso, City of Toronto David Evans, R. V. Anderson
Young Professional Reps:	Chantelle Bazowsky, Terrapure Organics Solutions Graham Seggewiss, CIMA+
OWWA Representative:	Reg Russwurm, Blue Mountain
OPCEA Representative:	Steve Davey, Engineering, Science and Environment Magazine
PWO Representative:	Gary Burrows, City of London

APRIL – DECEMBER 2019

President:	Richard Szigeti, City of Toronto
Vice President:	Edgar Tovilla, Region of Peel
Past President:	Erin Longworth, CIMA+
Secretary & Treasurer:	Larry Madden, C&M Environmental Technologies Inc.
WEF Delegates:	Dean Iamarino, Region of Halton John Presta, Region of Durham
CWWA Director:	William Fernandes, City of Toronto
Directors:	Dean Rudd, Endress & Hauser Frank Scriver, Flottweg Separation Technology Nancy Afonso, City of Toronto David Evans, R.V. Anderson Danielle Anders, GM BluePlan Chandra Baker, Region of Halton



Young Professional Reps: Graham Seggewiss, CIMA+
Aleah Henry, Cole Engineering
OWWA Representative: Nick Reid, Ryerson Water
OPCEA Representative: Linda Cooke-Weaver, Wolseley
PWO Representative: Gary Burrows, City of London

ASSET MANAGEMENT COMMITTEE 2019 ANNUAL REPORT

Committee Mandate

To share information on best practices such as methodologies for preparing asset inventories, evaluating asset condition, lifecycle and renewal costs, and setting levels of service.

2019 Committee Members

<u>Name</u>	<u>Role</u>	<u>Organization</u>
Mike Garaci	Chair	Pure Technologies
Natalie Ribic	Vice Chair	Halton Region
James Jorgensen	Past Chair	GM Blue Plan
Gen Nielsen		City of Ottawa
Ramona Mirtorabi		
Akli.Ben-Anteur		City of Greater Sudbury
Gillian Harris		Town of Lincoln
Grace.McLenaghan		City of Brampton
Emily.McDonald		Peel Region
Kevin.Morawski		WSP
Tony Tsui		York Region
Akeel Ali		GHD
Shekar Sharma		AECOM
Huda Oda	YP Liaison	Chatham-Kent

2019 Activities

- Spring and Fall Webinars with an average attendance of 25 computers with multiple attendees at each computer
- Created an asset management document library that is now available to all WEAO members via the WEAO website
- Contributed two articles to Influent and one article to Pipelines
- Paper selection for WEAO and OWWA conferences
- Made committee membership more robust/active; now have chair/vice chair in place for continuity and leadership through 2022.

Goals for 2020

- Aiming for articles in each edition of Influent and Pipelines
- Developing a protocol for updating the document library
- Finding sponsors for our webinars

Planned activities for 2020

- Spring and Fall Webinars (roughly in March and October)

CLIMATE CHANGE COMMITTEE 2019 ANNUAL REPORT

Committee Mandate

The climate change mandate is to promote understanding of climate change impacts to the water industry.

2019 Committee Members

<u>Name</u>	<u>Role</u>	<u>Organization</u>
Paul Marsh	Chair	EWA Engineering
John Duong	Member	Region of Halton
Rahim Kanji	Member	SOWC
Jackie Kennedy	Member	City of Toronto
Carolyn Lee	Member	MOECC
Praneeta Moti	Member	City of Toronto
Priya Persaud	Member	Region of Peel
Edgar Tovilla	Member	Town of Georgina
Jyoti Upadhyaya	Member	Brock University

2019 Activities

- Climate Change Award – Recipient identified but not presented. (Covid-19 affected)
- Communications
- 2020 Seminar planning
- Committee resources - project web site

Goals for 2020

- Social media implementation for news sharing.

Planned activities for 2020

- Revisit climate change award criteria
- Seminar in the fall? Focusing on Water Net Zero facilities

COLLECTION AND CONVEYANCE SYSTEMS COMMITTEE ANNUAL REPORT

Committee Mandate

Provide opportunities to exchange knowledge and information pertaining to the analysis, planning, design, construction, operation, maintenance and management of wastewater and stormwater collection and conveyance systems.

2019 Committee Members

The Collection Systems Committee consists of 18 active, and 3 associate members:

<u>Name</u>	<u>Role</u>	<u>Organization</u>
Jega Jeganathan	Chair	The Municipal Infrastructure Group
Dave Eadie	WEF Liaison	Stantec Consulting Ltd.
Matthew Ballaban	Member	GM BluePlan
Jeanne Thomsen	Member	Region of Peel
Sue Noble	Member	GM BluePlan
Paul Imm	Member	Forterra Pipe & Precast
Harshad Shetye	Member	WSP
Larry Thompson	Member	Thompson Flow Investigations Inc.
Nahed Ghbn	Member	City of Brantford
Ajay Puri	Member	Region of Peel
Anthony Abbruscato	Vice Chair	Civica Infrastructure Inc.
Arun Hindupur	Member	City of Guelph
Jason Alexander	Member	City of Cambridge
Lijing Xu	Member	City of Markham
Farshad Salezhadeh	Member	Region of Peel
Robert Muir	Member	Dillon Consulting
Mritunjay Mallik	Member	Hatch
John Bougadis	Member	City of Ottawa
Grace Lin	Associate Member	City of Toronto
Christine Hill	Associate Member	Cole Engineering
Adrien Comeau	Associate Member	Stantec Consulting Ltd.

2019 Activities

- Our committee hosted four half-day sessions at the WEAO Annual Conference addressing design and construction of collection systems and pumping stations, along with Stormwater Modelling and Inflow and Infiltration related topics.
- Recognized the accomplishments of Barry Orr through the presentation of the Golden Manhole Award at the 2019 Annual Conference. The Golden Manhole Award is a WEF award that recognizes the work of individuals in the area of collection systems and their involvement in the WEAO.
- Our Specialty Workshop took place on October 16, 2019 at the Mississauga Grand Banquet Hall in Mississauga, Ontario. The one-day workshop was well attended with 63 registered guests interested in learning from guest speakers showcasing their recent projects and initiatives related to this year's theme – Adaptation Initiatives for Infrastructure Resiliency. The Workshop brought the perspectives of planners, owners, engineers and equipment providers together, and made for an excellent series of presentations and thought-provoking discussions.
- Paul Imm prepared an article for the WEAO Influent Magazine, summarizing the fall collection system workshop.
- The CSC Committee participated to the MECP Low Impact Development (LID) Stormwater Management Guidance Manual.

- The CSC Committee also participated to the MECP Wastewater Stakeholder Consultation Group on Sewer Design Criteria for Pre-authorized Sewage Infrastructure Guidelines.
- Two new members joined the Committee in 2019: John Bougadis and Mritunjay Mallik.
- Four members left the Committee in 2019: Mark Stirrup, Peter Clarkson, Anthony Parente, and Adam Geldart.

Goals for 2020

• **Membership Growth and Participation**

- Improve Succession Planning and volunteerism; actively solicit new volunteers to replace long-standing members who cannot continue to commit their time.
- Work with the Young Professionals committee to migrate interested YPs to CSC.

• **Advocating for the Collection Systems Industry**

- Contribute technical input/guidance on behalf of the Collection and Conveyance Systems industry, through participation in formal review of guidance manuals, documents and/or policy statements as opportunities allow.
- Be the voice for the municipal collection system industry.

• **Networking and Social Interaction**

- Increase attendance in person at our five CSC meetings.
- Increase inter-committee engagement/communications, to seek out collaboration opportunities.
- Provide Collection Systems presence at external agency technical events.
- Better integrate with the WEF Collection Systems Committee members/initiatives.

Planned activities for 2020

- Attracting new volunteers, and increasing engagement between Committee Chairs.
- Continue providing technical input / guidance to on-going MOECC LID Guidance document initiatives, and the Green Communities Canada Urban Flooding Collective.
- Fall Technical Workshop is planned for October 14, 2020.
- Investigate facility tour opportunities in 2020 in cooperation with the YP and other committees, looking to provide the Collection and Conveyance Systems perspective.
- Continue supporting the WEF Collections Modelling Technical Practice Group initiatives in 2020, and further develop a similar Ontario-based subcommittee.
- Contributing content to the WEF Collection Systems MEA publication.
- Energizing each of our five 2020 Collections Committee Meetings.

GOVERNMENT AFFAIRS COMMITTEE 2019 ANNUAL REPORT

Committee Mandate

The Government Affairs Committee (GAC) shall monitor and review existing and proposed legislation, regulation, and policies in the environmental field with specific emphasis on water, wastewater, and stormwater-related issues and disseminate pertinent information to WEAO members. The Committee shall develop appropriate written materials and advise the WEAO Board and Membership on these matters. The Committee shall assist other WEAO committees for seminars and other special meetings involving government affairs as appropriate.

2019 Committee Members

Name	Role	Organization
Edgar Tovilla	Chair	Region of Peel
Susan Atlin	Member	City of Toronto
Justyna Burkiewicz	Member	Region of Peel
Gary Burrows	Member	City of London
Richard Butler	Member	Willms & Shier
Sangeeta Chopra	Member	OCWA
Anna Cleaver	Member	AECOM
Pat Coleman	Member	Black and Veatch Canada
Rosanna DiLabio	Member	Pinchin Ltd.
Dave Evans	Member	RV Anderson
Brian Gage	Member	Aqua Technical Sales Inc
Brenda Lucas	Member	SOWC
Leigh McDermott	Member	Region of Waterloo
Robert Muir	Member	Dillon Consulting
Frank Quarisa	Member	City of Toronto
Cordell Samuels	Member	Cole Engineering
Phil Sidhwa	Member	Orgatec Energy Inc.
Scott Y. Wei	Member	MECP
Kevin Yu	Member	Associated Engineering

2019 Activities

- Held three (3) regular meetings in 2019.
 - May 21, 2019
 - Sep 27, 2019
 - Dec 13, 2019
- Welcomed four new members: **Scott Y. Wei** (Young Professionals rep); **Kevin Yu** (Associated Engineering); and **Pat Coleman** (B&V Canada).
- GAC prepared the Jan 25, 2019 WEAO Letter to the MECP – EBR 013-4208 re: the Made-in-Ontario Environmental Plan
- Prepared **WEAO Influential articles** to inform membership:
 - Spring 2019 – article titled: “*MECP Wastewater Design Criteria and Holistic Approach for Collection and Stormwater Approvals (Part 1 of 2)*”.
 - Fall 2019 – GAC co-wrote, with Richard Szigeti, the article: “*WEAO Discusses Strategic Topics at the Annual MECP Executive Meeting*”

- GAC provided support to the WEAO Board and prepared the topics for discussion at the **MECP Executive Meeting** with OWWA and OMWA on May 23, 2019. Outcome:
 - **Draft LID Manual** – MECP to have one more round of consultations prior to an EBR-ERO public comment period.
 - **Regulatory barriers to innovation** – MECP – Approvals Section to include WEAO’s recommendation as part of their strategic plan.
 - **Template ECA** – MECP to continue meeting with GAC reps to discuss rationale for suggested edits on ECA definitions, terms and conditions + clarification of new condition for bypass/overflow “reporting to public”.
 - **Treated wastewater reuse** – MECP to present this topic at a GAC regular meeting.
 - **Water quality trading (WQT)** – MECP encouraged WEAO to obtain info directly from other municipalities and prepare guidelines for design criteria.
- GAC prepared the May 23, 2019 WEAO Letter to MECP re: **Prescribed Person Regulation**
- GAC participated in the YP panel discussion: “Regulatory requirements in wastewater systems”, on March 23, 2019, at U of T.
- GAC participated on the **MECP weekly** Stakeholder Group from Jan to Jun 2019 for:
 - new wastewater collection design criteria
 - new stormwater design criteria
- GAC presented the study: *Experience on system wide ECAs for WW collection and SWM systems by Ontario municipalities* to the Municipal Water and Wastewater Regulatory Committee (**MWWRC**), in Hamilton, ON, March 23, 2019.
- GAC prepared recommendations to the CSA Group re: W204 - **Flood-Resilient Design** For New Residential Communities (New Standard), dated June 7, 2019.
- GAC prepared recommendations to the MECP re: new ECA requirements to “**notify the public**”, dated July 5, 2019.
- GAC coordinated the development of a **Memorandum of Understanding (MOU)** between WEAO and the **OMWA**. Final MOU approved by both Boards. Pending signing.
- GAC presented the update titled: “*Wastewater Regulatory Tools Improvements: WEAO Working with Regulators*”, at the **MEA 2019 Annual Workshop** in Blue Mountains, ON, on November 17, 2019.
- GAC participated and provided support to the **CSA Group** for their Advisory Group for the development of the Wastewater Management Standard (WWMS).
- GAC was a stakeholder for the **Standards Council of Canada (SCC)** consultation for the Stormwater Management Standard (SWMS).
- GAC obtained Board approval in 2019:
 - WEAO to support the CSA Group for the development of the WWMS.
 - WEAO to waive registration cost for MECP staff for up to 2 MECP staff to attend committees seminars and workshops; and to waive WEAO annual conference registration fees for up to 5 MECP staff (restrictions to be defined).
 - WEAO to approve GAC to work on Pilot “*How to*” documents, such as: “*How to apply for MECP ECA approval for new/innovative technologies*” and “*How to notify the public and downstream users of Overflows/Bypasses*”
 - WEAO to approve having two GAC representatives to support Board Executive by attending the MECP Executive meetings.
 - WEAO to withdraw its participation with the Ontario Coalition for Sustainable Infrastructure (OCSI) effective December 31, 2019. This decision followed prior decisions in 2019 by OWWA and MEA.

Goals for 2020

- Review policy priorities.
- Participate at the MECP-WEAO-OWWA-OMWA Executive 2020 meeting
- Continue participating on MECP Stakeholder Group meetings
- GAC succession plan.
- Strengthen communications with other WEAO committees.
- Participate on SCC consultation group for the development of the SWMS.

MAGAZINE COMMITTEE 2019 ANNUAL REPORT

Committee Mandate

The Magazine Committee is responsible for producing the quarterly INFLUENTS magazine.

The purpose of INFLUENTS is:

1. To act as a conduit for Association News
2. To cover technical topics of interest to the Associations Members
3. To raise the profile of the Association among non-members
4. To earn revenue for the Association through advertising

2019 Committee Members

<u>Name</u>	<u>Role</u>	<u>Organization</u>
Gustavo Arvizu, M.Eng., P.Eng.		TMIG
Preya Balgobin, P.Eng.		Ainley Group
Ana Brankovan		GM BluePlan
Mashid Jannati		McMaster University
Gary Burrows	Board Liaison	City of London
Alexandra Chan, P.Eng		Dillion Consulting Ltd
Pat Coleman Ph.D., P.Eng.		Black & Veatch Canada
John Devlin	OPCEA Liaison	Aquafy Water Technologies
Christine Hanlon	Publisher	Craig Kelman & Associates
Dale Jackson	Chair	ACG-Envirocan
Susan Liver, P.Eng.		Stantec
Meghal Patel, P.Eng., M.Eng.		R.V. Anderson Associates Limited
Kimberley Thomas, P.Eng		Region of Peel
Edgar Tovilla M.Sc., P.Eng		Region of Peel
Heather Tyrrell		WEAO
Tonia Van Dyk		C&M Environmental Technologies Inc.
Revathy Vattukalathil, M.Eng.	YP Liaison	Toronto Water
Laura Verhaeghe, P.Eng.	Editorial Lead	GM BluePlan
Paul McLennan, P.Eng.		GM BluePlan
Ana Brankovan		GM BluePlan
Lindsay Bowman		GM BluePlan

2019 Activities

- The committee published four issues of the Magazine:
 - Spring 2019 – Removing Ground and Surface Water from the Sewers: Inflow, Infiltration and CSO
 - Summer 2019 – Impact of Industrial Wastewater and Septage on Municipal WWTPs
 - Fall 2019 – Innovation Made in Ontario
 - Winter 2019 – Leadership in Wastewater
- The total revenue to WEAO was \$30,115.50
- The issues included a total of:
 - 20 theme articles;
 - 22 articles by Young Professionals;
 - 28 articles or advertisements from WEAO committees, plus the conference preview and recap; and
 - Many other high-quality pieces!

- The yearly advertising sales target of \$100,000 was exceeded with a total revenue of \$137,788.75 for 2019 (\$37,788.75 above yearly target).
Total revenue paid to WEAO in 2019 = \$30,115.50

Goals for 2020

- WEAO and the Committee will aim to rebuild our mailing lists to ensure the magazine is getting in the hands of relevant non-members to help build up the profile of the magazine, to help with advertising sales, and raise the profile of the association.
- The committee will continue to try and improve their structure and work-load sharing in order to remain sustainable and assist in succession planning.
- Issue a survey to WEAO members to determine which topics will be chosen as future themes for 2021, as per the following categories: design, planning, equipment and operation.

Planned activities for 2020

- Publish four issues of the magazine:
 - Spring (complete): Process Optimization (Conference Prequel)
 - Summer: Climate Change – Planning for Uncertainty (Conference Recap)
 - Fall: Made in Ontario: The Circular Economy – Wastewater & Solid Waste
 - Winter: People: Corporate Knowledge, Succession Planning, Recruitment and Retention in the Wastewater Industry

OPERATIONS CHALLENGE COMMITTEE 2019 ANNUAL REPORT

Committee Mandate

Organize and operate the Operations Challenge event at the annual WEAO conference

2019 Committee Members

<u>Name</u>	<u>Role</u>	<u>Organization</u>
Barry Hughes	Safety Event – Coordinator	Region of Durham
Carrie Brunet	O.C. Floor Manager	Niagara Region
Dawn Riekenbrauck	Tour, TWGS & PWO Sessions - Coordinator	CIMA
Gary Burrows	Gift & Awards – Coordinator	City of London
Hany Jadaa	Process Event – Chair to Coordinator	LEXICON Environmental
Ian Smith	Media & Public Relations – Coordinator	Retired
Jeff Johnson	Maintenance Event – Coordinator/ O.C. Chair	ASL Roteq
Ken Ryder	Collection Event – Coordinator	Fontaine Aquanox
Kent Keeling Krista Thomas	Lab Event – Assistant Coordinator Lab Event – Coordinator	City of Peterborough City of Peterborough
Marcus Henderson	Maintenance Event – Assistant Coordinator	KSB Pumps
Paul Bongelli	Collection Event – Assistant Coordinator	City of Toronto
Ray Davis	Safety Event – Assistant Coordinator	Region of Durham
Richard Szigeti	WEAO Board Liaison	City of Toronto
Spencer Snowling	Process Event – Computer Simulation Coordinator	Hydromantis
Marcel Misuraca	Pump Event	OCWA Stratford
Kyle Snell	Member at Large – Sponsorships Safety Event – Assistant Coordinator	Region of York
Daryl Stevenson	OC Social Media and Master of Ceramones	City of Peterborough

2019 Activities

Successful Challenge at MTCC 2019 with the following teams participating and their placement:

High Levels - Toronto Ashbridges Bay	2
Humber Hosers - Toronto Humber	6
Rabble Rousers - Toronto Highland Creek	5
Sludge Hammers - Durham Region	1
Sludge Hogs - City of London	3
Turd Herders - City of Windsor	8
Wastewater Connoisseurs - Peel Collection	7
Weir Wolves - Region of York	4

Notable by their absence was Ontario Clean Water teams as they are still not allowed to attend conferences.

Chair was turned over from Hany to Jeff Johnson

Goals for 2020

- Continue to improve sponsorships
- Improve OPCEA membership involvement in Operations Challenge

Planned activities for 2020

- OC at Sheraton Toronto

PUBLIC ENGAGEMENT AND EDUCATION COMMITTEE 2019 ANNUAL REPORT

Committee Mandate

Foster public awareness of WEAO as a reliable and accessible source of technical information. Support water environment education through school programs, science fairs, teacher's resources and published articles, to promote interest in water and wastewater industry. Engage on Canadian Stockholm Junior Water Prize (CSJWP) National Organizing Committee and promote CSJWP in Ontario.

2019 Committee Members

<u>Name</u>	<u>Role</u>	<u>Organization</u>
Bahareh Karami	Chair (deceased Jan 2020)	York Region
Cindy Toth	Current Co-Chair (Jan 2020)	Retired
Lynne MacLennan	Current Co-Chair (Jan 2020)	Export Development Canada
Dean Iamarino	Board Liaison	Region of Halton
Ian McIlwham		Region of Durham
Priya Persaud		City of Brantford
Angela Robert	(Resigned Fall 2019)	Region of Durham
Carly Mercier		Region of Durham
Ellen Stitt		Ontario Clean Water Agency
Ryan Thoren	New Sep 2019	Associated (AE) Consultants
Ashley Brettell	New Feb 2020	Region of Durham
Amanda Ciosek	YP Liaison	H2Flow
Shan Gao	(Resigned Fall 2019)	Student

2019 Activities

- Increased science fairs to six in 2019, seven by April 2020
- Due to COVID-19, six 2020 fairs were cancelled. Only Bay Area fair is being held on virtual platforms. Note: Ontario fairs are generally held in late March/early April.
- Seven science fairs: Niagara Regional Science and Engineering Fair; Peterborough Regional Science Fair; Toronto Science Fair; Durham Regional Science Fair (new spring 2019); Waterloo-Wellington Science and Engineering Fair (new spring 2019); Bay Area Science and Engineering Fair (new spring 2019); and York Region Science and Technology Fair (new spring 2020)
- Supported 2019 Canadian Stockholm Junior Water Prize (CSJWP), (Heather Tyrell/Ryan Thoren WEAO representatives on National Organizing (NO) Committee. Ian McIlwham is CWWA representative on NO Committee)
- Profiling WEF-supported 'Water's Worth It' campaign
- Supported Biosolids Committee developing curriculum
- Regular Committee meetings, development of work plan and budget
- Organized and prepared several articles for INFLUENTS – 2019 Science fairs/CSJWP
- Supported WEAO Office in purchase of new Enviroscape model (September 2019)
- Held train the trainer in person meeting with Committee in September 2019. Angela and Carly provided model demonstration
- Several new members have come onto committee while several resigned due to alternate priority commitments

Goals for 2020

- Transition to new chair Bahareh Karami was proceeding successfully however tragically Bahareh was lost in January 8 2020 plane crash in Tehran
- Committee regrouping with Cindy Toth and Lynne MacLennan assuming Co-Chair roles as transition to a new chair continues. Cindy Toth will not continue as Co-Chair indefinitely and will step down when a new co-chair comes forward to work with Lynne
- Increase committee membership, continue regular monthly committee meetings
- Increase number of science fairs to more than six – achieved, except majority of 2020 science fairs have been cancelled; funds budgeted for fairs are being dealt with by 1) supporting Bay Area's 2020 virtual fair and WEAO Award, 2) requesting funds already in hand at Niagara and Waterloo-Wellington be used for 2021 fairs and 3) funds not yet sent to Toronto, Durham, Peterborough and York will remain with WEAO
- Support Enviroscope training and use by members
- Promote 'Water's Worth It' Campaign within context of WEF program and 2021 WEAO Annual Conference
- Organized panel on public engagement and education at 2020 Annual Conference with Amanda and Bahareh serving as session chairs. Ryan stepped in to replace Bahareh after her passing. Session was to include profile of new Biosolids curriculum and Enviroscope – Conference cancelled
- Support CSJWP with increased connection through Ryan and Heather, supported by Ian and Cindy
- Publish articles in INFLUENTS, support others engaged in public outreach to do articles
- Support training in person on Enviroscope (underway with City of Toronto session held on March 1 2020 to support staff in National Engineering Week activities)

Planned activities for 2020

- All activities are expected to be impacted by COVID-19
- New science fairs: Continue with seven fairs, new ones to be determined
- Continued Enviroscope in-person training
- Enviroscope training video
- Support more integration of Enviroscope into Children's Water Festivals and municipal outreach programs
- Articles in INFLUENTS
- Outreach to educators
- Prepare for Public Education session at WEAO 2021 Annual Conference, including potential topics, Rain It In (Ellen Stitt), Enviroscope (PEEC), Biosolids Curriculum (Biosolids Committee)

PROFESSIONAL WASTEWATER OPERATORS (PWO) COMMITTEE 2019 ANNUAL REPORT

PWO Committee Mandate

The Professional Wastewater Operators Committee addresses the needs and concerns of operators in Ontario who work in the hands-on operations, analysis, and maintenance of Wastewater Facilities.

2019 PWO Committee Board Representative

<u>Name</u>	<u>Role</u>	<u>Organization</u>
Gary Burrows	Board Rep	City of London

2019 Operator Certification Work Group Members

- Bob Bates City of Thunder Bay;
- Gary Burrows City of London;
- Todd Harvey Greater Napanee; &
- Rick Niesink (Cole Training and Operations) (looking for a replacement)

2019 Activities

Operator Certification Working Group (OCWG):

The OCWG was established to ensure that certification program decisions are considered and there is a forum for discussion with stakeholders. This forum provides stakeholders with an opportunity to raise issues as well as understand the Ministry's program objectives and priorities. Under the terms of reference Association representatives are representing the interest of WEAO members and not their individual work places. With this in mind WEAO selects representatives from across the province. The four representatives are listed above.

The OCWG met in March and September in 2019.

Overall Responsible Operator (ORO) Discussion Group

The MECP put a call out for stakeholders to participate in the role of the ORO and challenges related to hiring and retaining OROs. This discussion group has been involved in these discussions over the past many years

For those operations staff that participated in this discussion group. Updates have been given via the Operator Certification Working Group

Last update received stated (March 2019):

ORO and OIC Roles and Responsibilities Guideline

- Alex (MECP) provided the group with an update on the status of the development of the ORO and OIC Roles and Responsibilities guideline.
- New version of the draft guideline is with management; it will then go for Legal Review before the approval process continues

PWO Technical Session at the Annual Conference

Special thanks to Dawn Riekenbrauck for her leadership and organization in taking the lead for the PWO Technical Session held at the 2019 WEAO Technical Symposium and OPCEA Exhibition in Toronto, Ontario.

2020 Goals

- Continue to maintain and address the needs of wastewater operators in Ontario by using the PWO membership list to gain feedback on pertinent issues in our profession.

Planned activities for 2020

- Continuation of support for the Operations Challenge
- Continued participation in the Conference Technical Sessions
- Continued representation on MECP working groups



RESIDUALS & BIOSOLIDS COMMITTEE 2019 ANNUAL REPORT

Committee Mandate

The WEAO Residuals and Biosolids Committee has been created to work with the Provincial government, other political jurisdictions and pertinent associations to promote discussions, information exchange, education and best management practices on residuals and biosolids processing and beneficial reuses. As water quality professionals, our mission is to promote responsible and sustainable residuals and biosolids management practices that protect public health and the environment

2019 Committee Members

<u>Name</u>	<u>Role</u>	<u>Organization</u>
Erin Agro		Walker Environmental
Chandra Baker	WEAO Board Liaison; WWT&T Liaison	Halton Region
Shelly Bonte-Gelok		Ontario Clean Water Agency
Geoff Boyd		Walker Environmental
Dominika Celmer-Repin		Region of Waterloo
Sangeeta Chopra	Past Chair	Ontario Clean Water Agency
Tihamer Csiba	Vice-Chair	Dillon Consulting Ltd.
Don Ford		Oxford County
Sarah Gewurtz		Environment Canada
Adriana Hulse		City of Ottawa
Dean Iamarino		Region of Halton
Ignatius Ip		R.V. Anderson
Mark Janiec		Terrapure Environmental
Benoit Lebeau		OMAFRA
Matt Lee		Jacobs
Sarah Mason-Renton	Committee Chair	Lystek International Inc.
Praneeta Moti		City of Toronto
Banu Ormeci		Carleton University
Irwin Osinga		D.M. Wills Associates Limited
Paul Purser		Veolia / NutriPel
Zhiping Qiu		Aecom
Lisa Ross		MECP – SWR Divisional Program Specialist
Phil Sidhwa	Govt. Affairs Liaison	President, Orgatec Energy Inc.
Ajay Singh		Lystek International Inc.
Paul Taylor		Bio-En Power Inc
Darrell (Hai Nien) Yong		City of Toronto

2019 Activities

- Annual Conference
 - The 2019 Annual Conference was a success with four full sessions touching on treatment technologies and management of biosolids and residuals generally as well resource recovery. These sessions were well attended and had good audience engagement.

- Presentation from Ewa Madey from the Canadian Food Inspection Agency on the Proposed Amendment to the Fertilizer Act as it relates to biosolids fertilizers – given to the R&B committee in June 2019
 - Discussion of the proposed changes published in the Canada Gazette I and expected amendments to be released in the Canada Gazette II to better inform our group on potential changes coming to the sector
- Research Award
 - In 2019 the R&B Research Award was awarded to two recipients:
 - STARx Technology for Energy Generation from Biosolids - Professor Jason Gerhard, Western University, London ON
 - PFAS in municipal wastewater treatment systems, specifically in sludge handling and biosolids - Wayne Parker, University of Waterloo
- Fall Seminar - Emerging Substances: Regulatory and Research Updates (Dec 4 2019) with pre-seminar tour at Southgate Eco Park (Dec 3, 2019)
- Grade 7 Biosolids Curriculum -
 - The Grade 7 Biosolids Curriculum-Based Education Program was completed and the committee has progressed to implementation and marketing of the program.
- Selection of papers for the 2020 WEAO Technical Symposium and OPCEA Exhibition
- Participation in PFAS initiative for biosolids and residuals through NEBRA
- Preparation of Influent Articles – Annual conference and fall seminar summary articles, and an article highlighting Municipal Leaders: CFIA biosolids fertilizer programs

Goals for 2020

- Continue engagement with industry leaders and the sector in general via the various conference and committee work outlined below.
- Obtain additional funds to continue help support the R&B Committee initiatives such as the Public Education Program and the Research Program

Planned activities for 2020

- 2020 R&B Award – Exemplary Biosolids Management, Full Scale Operating Program: Awarded to the City of Sarnia and Walker Environmental
- WEAO COVID-19 Fact Sheet (March 2020)
- Annual Conference
 - The R&B committee had four sessions planned for the 2020 Annual WEAO Technical Symposium and OPCEA Exhibition in Toronto. Unfortunately, the annual conference has been cancelled due to the current COVID-19 outbreak and restrictions currently being enforced in Ontario.
- PFAS / Emerging Contaminants Communications Initiative
- Canadian National Residuals and Biosolids Conference
 - The bi-annual Canadian residuals and biosolids conference is scheduled to be held September 20-23, 2020 at the White Oaks Convention Centre, Niagara on the Lake. Given the current situation with COVID-19, the abstract submission deadline has been extended to May 15th.
 - The conference committee/WEAO Board will decide whether the conference will continue as scheduled or not given current public health concerns.
- Fall Seminar (planning for Winter 2021 if the National conference happens as scheduled)
 - The committee will be planning our annual Seminar. With the National conference planned for late Sept 2020, the committee had discussed pushing our Fall Seminar to winter 2021. The committee will monitor the current COVID situation to determine (a) if such an event will

be possible to hold and (b) if we will still plan this for winter 2021 or move it back to the Fall of 2020 if the national conference must be cancelled early.

- 2020 Research and Education Award – Call for proposals in summer 2020, awarded fall 2020

UTILITY MANAGEMENT COMMITTEE 2019 ANNUAL REPORT

Committee Mandate

The delivery of a peer-to-peer forum to help Ontario municipalities to exchange ideas, experience and information

2019 Committee Members

<u>Name</u>	<u>Role</u>	<u>Organization</u>
Cordell Samuels	Chair	Cole Engineering
Indra Maharjan	Vice-Chair	Ontario Clean Water Agency
John Presta	Member	Region of Durham
Michele Grenier	Member	Ontario Water Works Association
William Fernandes	Member	City of Toronto
Cindy Toth	Member	Town of Oakville (Retired)
Tammy Bellamy	Member	Region of Waterloo
Trevor Brown	Member	Region of Waterloo
Clinton Reynolds	Member	Region of York
John Duong	Member	Region of Halton
Christine Hill	Member	Cole Engineering
Gustavo Arvizu	Member	The Municipal Infrastructure Group

2019 Activities

- Several committee meetings throughout 2019 face to face and via teleconferencing to plan the 2019 Utility Management Forum.
- The 2019 Forum was held on October 22, 2019 at the Courtyard By Marriott in Burlington, Ontario. There were 2 keynote presentations as well as six breakout sessions. A total of 21 presenters participated in the day's activities. Attendance was very good with approximately 100 attendees. The 2019 UMF was a financial success with a net income of over \$10,000.00.

Goals for 2020

- Hold the 2020 Utility Management Forum at a location in Ontario

Planned activities for 2020

- Hold teleconferences and face to face meetings to implement the 2020 UMF
- 2020 Utility Management Forum in October 2020.

WATER FOR PEOPLE CANADA COMMITTEE 2019 ANNUAL REPORT

Committee Mandate

WFPC is a charitable, nonprofit, international humanitarian organization dedicated to the development and delivery of clean, safe water and sanitation solutions in developing nations. It is the Canadian equivalent of the U.S.-based charity, Water For People (WFP). Canadian water industry professionals established WFPC in 1995, to support and promote the mission of WFP in Canada among the public and the water community. Since its founding in 1995, WFPC has sponsored countless programs benefiting the most marginalized people, particularly women and children in Bolivia, Honduras, Guatemala, Malawi and Peru.

Currently, the WEAO hosts a WFPC Committee that is responsible for fundraising, outreach, and public education activities within the water environment industry and the community at large. Our efforts are aimed at providing much needed financial support and creating awareness of the wonderful programs either in progress or to begin soon in the areas where WFP works across Latin America, Africa and Asia.

2019 Committee Members

<u>Name</u>	<u>Role</u>	<u>Organization</u>
Rahim Kanji	Chair	Ontario Water Consortium
Christina Cholkan	Vice-Chair	City of Hamilton
Ama Dufie Kankam	Member	
Cristina Lugo	Member	CIMA+
Cynthia Nwaboukei	Member	Vector Process Equipment
Indra Maharjan	Member	Ontario Clean Water Agency
Jesus Flores	Member	Clearford
Ivonne Heintzberger	Member	YY Technology
Noshin Hashim	Member	Western University
Sahra Shojaei	Member	Walker Environmental
Tais Santiago	Member	
Zhiqi Xu	Member	Hydromantis
Tony Piao	Member	Greenbird Canada
John Park	Member	Golder Associates
Don Hoekstra	Member	Water for People Canada
Tony Petrucci	Member	CIVICA

2019 Activities

- Raised approximately \$7,500 for Water for People Canada through the WEAO Annual Conference raffle draw table, annual evening social dinner, and OPCEA beer receptions.
- November 19th was World Toilet Day and WEAO WFPC Committee members helped the City of Hamilton with their WTD event, educating 125 grade 7/8 students on the importance of sanitation and toilets. Mostly through corporate sponsors, supplemented by individual donors and student fundraisers, over \$19,000 was raised for WFPC.
- Support for WEAO activities including YP volleyball tournament, golf tournament and holiday bash.
- Support other WEAO workshops with speaker gifts and information tables.

- Release of multiple articles and updates about the activities of Water for People and Water for People Canada via WEAO's Influent's magazine – including "All Roads Lead to Water", "Toilets: We Need Them More Than They Need Us", and "Water for People WEAO Conference Success Story"
- Committee membership recruiting.
- Final drafting and signing of WEAO – WFPC MOU.
- Agreement by WEAO to hold yearly \$3/member WEAO donation to WFPC for committee fundraising activities.

Goals for 2020

- Continue sharing Water for People success stories
- Improve membership participation and facilitating new membership(s)
- Work with Water for People Canada to align activities and goals.

Planned activities for 2020

- WEAO Conference raffle table and social night (CANCELLED)
- Support WEAO Golf Tournament
- Support Hamilton World Toilet Day
- Support WEAO Holiday Bash

Wastewater Treatment and Technologies Committee 2019 ANNUAL REPORT

Committee Mandate

The Wastewater Treatment and Technologies Committee provides an opportunity for sharing knowledge on wastewater treatment processes and technologies through WEAO seminars, workshops and the Annual Conference technical program. It serves as a resource to the WEAO and the Provincial and Federal Ministries of the Environment or other government agencies to facilitate and promote informed planning and policy decisions.

2019 Committee Members

Name	Role	Affiliation
Ahmed EIDyasti		York University
Alireza Shamshiri		Durham Region
Antony Aruldoss		AECOM
Carla Fernandes		WSP
Chandra Baker	Board of Directors Liaison R&B Committee Liaison	Halton Region
Dean Rudd	Board of Directors Liaison	Endress & Hauser
Emily Zegers	Past Chair	City of Toronto
Hank Andres	Chair	Ontario Clean Water Agency (OCWA)
Harpreet Rai		R.V. Anderson Associates Limited
Heather Brewer		GHD
Jessie Cheng		City of Toronto
Laura Seaman		Jacobs
Mark Knight		Suez
Matt McMahon		MECP
Michael Mark		MYM Consulting Services
Mike Newbigging		Jacobs
Mike Thomson		Dillon Consulting
Oliver Schraa		InCtrl Solutions
Rob Anderson	Website Redesign Task Force – WWT&T Representative	C&M Environmental Technologies Inc.
Shirley Anne Smyth	Vice-Chair	Environment and Climate Change Canada
Vlad Petran		City of Toronto
Yuraima Redondo	YP Committee Liaison	GM BluePlan (YP Liaison)
Zhifei Hu		Black & Veatch

2019 Activities

- Delivered three (3) successful seminars:
 - February 26, 2019 – WWT&T and R&B Plant-wide Energy and Operational Optimization Seminar
 - June 20, 2019 – “What Does the Future Hold?” Seminar
 - November 21, 2019 – Wastewater Disinfection Seminar
- Completed abstract review & technical session organization for WWT&T sessions at the 2020 annual conference
- Developed a guideline to provide more clarity on Speaker Expense Reimbursement for seminars

Goals for 2020

- Annual Conference:
 - Continue to work with conference committee to improve technical session portion of conference (especially conference app)
 - Discuss potential for pre-conference workshops
- Workshops & Seminars:
 - Continue to deliver high quality technical seminars
 - Standardize our approach to workshop & seminar attendance certificates
- Other:
 - Contribute to WEAO Website Redesign Task Force
 - Contribute to WEAO Communications Task Force
 - Consider a Wastewater Treatment research fund

Planned Activities for 2020

- March 25, 2020 (rescheduled to June 17, 2020) – Microbiology Workshop (to be held at Ashbridges Bay WWTP)
- Fall 2020 Technical Seminar – Use of Data Sensors, Process Control, and Modelling to Optimize WWTPs – To be held in November 2020 at Mississauga Grand Event Centre

Written by: Hank Andres, P.Eng.

YOUNG PROFESSIONALS COMMITTEE 2019 ANNUAL REPORT

Committee Mandate

To cultivate and connect to the future leaders of our industry.

2019 Committee Members

<u>Name</u>	<u>Role</u>	<u>Organization</u>
Graham Seggewiss	Past Chair	CIMA+
Aleah Henry	Chair	Cole Engineering
Amy Langford	Vice Chair	CIMA+
Revathy Vattukalathil	Magazine Subcommittee Lead	City of Toronto
Cristina Lugo	Mentorship Subcommittee Co-Lead	CIMA+
Elaine Samuel	Mentorship Subcommittee Co-Lead	GM Blueplan
Tanin Amerian	Professional Development Subcommittee Co-	Suez
Hedieh Hashtroudi	Professional Development Subcommittee Co-	Cole Engineering
Peter Davey	Social Subcommittee Co-Lead	ES&E Magazine
Michael Blain	Social Subcommittee Co-Lead	Associated Engineering
Stephanie Tran	Scholarship Subcommittee Lead	R.V. Anderson
Jordan Smyth	Student Chapter Subcommittee Lead	Jacobs
Ellen Stitt	Student Design Competition Co-Lead	OCWA
Huda Oda	Student Design Competition Co-Lead	Chatham Kent
John Devlin	Conference Subcommittee Lead	ACG Technology
Shekar Sharma	Asset Management Liaison	AECOM
Noshin Hashim	Climate Change Liaison	WORLDiscoveries
Peter Clarkson	(previous) Collections Systems Liaison	Black & Veatch
Scott Wei	Professional Development Sub-Committee	MECP
Dawn Riekenbrauck	Operations Challenge	CIMA+
Victoria Chennette	OWWA Liaison	GM Blueplan
Joseph De Paola	Mentorship Sub-Committee	WSP
Sandy Naime	Professional Development Sub-Committee	GM Blueplan
Abhishek (Abhi)	Conference Sub-Committee	McMaster
Kyle Langan	Conference Sub-Committee	Jacobs
Shaghayegh (Shaya)	Conference Sub-Committee	Ryerson
Sabrina Chang	Student Design Competition	C3 Water
Susan Khan	Student Design Competition	J&B Engineering
Linda Li	Student Design Competition	Dillon
Mustafa Iqbal	Student Design Competition	University of Toronto
Ryan Boone	Student Chapter Subcommittee	R.V. Anderson
Dorin Newton	Student Chapter Subcommittee	Jacobs
Jesus Flores	Social Sub-Committee	Clearford Water Systems
Kayla Schmidt	Student Chapter Subcommittee	Stantec
Amber Klassen	Professional Development Sub-Committee	Associated Engineering
Dodge Yu	Social Sub-Committee	Azura
Muhannad Bagajati	OPWA Liaison	AECOM

Amanda Ciosek	Public Education Liaison	H2Flow
Matt Lee	R&B Liaison	Jacobs
Michael Menalo	Utility Management Liaison	Peel Region
Yuraima Redondo	WWT&T Liaison	GM Blueplan
Tais Santiago	WFP Liaison	Ryerson
Stephanie Choo-Wing	Newsletter	Durham Region
Lindsay Bowman	Magazine	GM Blueplan
Michael Doerr	Magazine	McMaster
Carolyn Chan	Magazine	GM Blueplan
Jerdon Small Phillips;	Magazine	Municipality of Middlesex Centre
Anahita Rabii	Magazine	Ryerson
Ahmed Abuhussein	Magazine	Terraprobe
Mahrooz (Rose) Sabri	Mentorship Sub-Committee	Four Corners Engineering
Tulip Chakraborty	Mentorship Sub-Committee	H2O Innovation
Danielle Holder	Professional Development Sub-Committee	City of Toronto
Phil Spencer	Professional Development Sub-Committee	RV Anderson
Keren Verch	Professional Development Sub-Committee	Schneider Electric
Samantha Halloran	Professional Development Sub-Committee	Lystek
Jesse King	Professional Development Sub-Committee	Jacobs
Sandy Naime	Professional Development Sub-Committee	GM Blueplan
Abhishek (Abhi) Kumar	Professional Development Sub-Committee	WSP
Michael Liu	Social Sub-Committee	Black & Veatch
Victoria Zhao	Social Sub-Committee	Flow Water
Alexandra Chan	Social Sub-Committee	Dillon
Ama Kankam	Social Sub-Committee	Toronto Water
Sara Amjad	Collection Systems Liaison	McMaster
Sourojeet Chakraborty	Student Chapter Subcommittee	University of Toronto
Mahshid Jannati	Student Chapter Subcommittee	McMaster

2019 Activities

- Steering Committee
 - Monthly committee conference calls (the first Tuesday of every month)
 - Winter (February, 2019) YP team building dinner
 - Spring (June, 2019) YP team building meeting at Guelph Lake Conservation Area
 - Fall (October, 2019) YP team building meeting at the WEAO office
 - Initiation of the WEAO technical symposium Student Incentive Program
 - Initiation of the monthly social media YP Spotlight
 - Developed volunteer application form
- Conference Subcommittee
 - Assisted with coordination of all YP conference activities, including the mentorship event, student design competition and Monday night social
 - Organized and managed all YP conference volunteers for: ticket collecting, the Totally Wasted Game Show, the YP tradeshow booth, the Water for People tradeshow booth
- Magazine
 - Solicited, edited, and submitted articles to the INFLUENTS magazine summarizing YP events, activities and experiences
- Mentorship

- Coordinated the Mentorship event at the 2019 WEAO conference (new and interactive ‘speed-dating’ format)
- Program statistics: 24 mentees, 26 mentors and approximately 82 mentorship sessions
- Professional Development
 - Planned and executed technical seminars and workshops targeted at young professionals but open to all WEAO members. 2019 events included:
 - Regulatory Requirements Panel (Winter, 2019)
 - Introductory Asset Management Seminar (Fall, 2019)
 - Introduction to Technical Writing Workshop (Fall, 2019)
 - Planned and executed a student operators plant tour (Fall, 2019)
- Scholarship
 - Kelman Scholarship awarded to one (1) high school student. Four (4) applications received.
 - WEAO Scholarship awarded to four (4) post-secondary students. Four (4) applications received. Awarded Winter 2019.
- Social Events
 - Planned and executed Young Professional social events, meet & greets and other networking opportunities. 2019 events included:
 - Curling (Winter, 2019)
 - WEAO Conference Social (Spring, 2019)
 - Beach Volleyball Tournament (Summer, 2019)
 - Meet & Greets for GTA, West Region and Ottawa (Fall, 2019)
 - Holiday Bash (Winter, 2019)
- Student Chapters
 - Provided guidance to 9 active chapters: WEAO/OWWA Joint SCs (Carleton, Guelph, Windsor, Western, Ottawa) and WEAO SCs (McMaster, Queens, Ryerson, UofT)
 - Co-organization with OWWA of the Student Chapter Leadership Forum (University of Guelph, Summer 2019)
 - Coordinated student chapter sub-committee buddy program that pairs each student chapter with a YP subcommittee volunteer
 - Awarded 2018/2019 Student Chapter of the Year to Queen’s University
- Student Design Competition
 - 2018-2019 competition focused on resource recovery at the Chatham WPCP. Host: Chatham-Kent PUC. Winner: University of Guelph.
 - Continued collaboration with the MECP to identify the host and develop the project statement
- Communication and Social Media
 - Twitter account remains successful and active (1,220 followers)
 - LinkedIn account remains active (over 550 members)
 - Monthly YP newsletters emailed to distribution list (reaching approximately 450 recipients)

Goals for 2020

- Continue to implement tracking of KPIs ongoing from 2019 to record quantifiable data and make improvements based on real feedback
- Start a new sub-committee focused on diversity and inclusion in the water industry.
- Organize and automate the volunteer recruitment, organization, and transition planning process.

Planned activities for 2020

- Student Design Competition (event separate from WEAO technical symposium)
- Mentorship Rocket program continuation
- Social Events:
 - Screening for Brave Blue World
 - Curling Jitney

- Summer Volleyball Tournament
 - Meet & Greets
 - Holiday Bash
 - Activity Social
- Professional Development
 - Negotiations and Communications Workshop
 - Student Operator Plant Tour
 - Introduction to Stormwater Management Modelling
- Winter, Spring and Fall Team Building Events