



# ASHRAE Ottawa Valley Chapter

- DATE:** Tuesday February 18, 2020  
Social: 17:30, Dinner: 18:30, Program: 20:00
- LOCATION:** Centurion Conference & Event Center  
170 Colonnade Rd, Ottawa, ON K2E 7J5
- THEME:** Chapter Technology Transfer Committee (CTTC)
- PROGRAM:** Wastewater Energy Transfer

**Climate change** is one of the most serious challenges facing the world today. **Buildings** are one of the largest contributors to global warming accounting for almost **30%** of all **CO<sub>2</sub>** emissions in North America. One of the best low carbon energy options available to help buildings reduce CO<sub>2</sub> emissions is **Wastewater Energy Transfer ("WET")**.

**SPEAKER:** **Stephen Condie**  
Chief Operating Officer, Noventa Energy

**Stephen Condie** is Chief Operating Officer at **Noventa Energy**. He began his career at **Enwave** in 2003 as **Project Manager**. In 2008, he was promoted to **Manager of System Operations** with responsibility for the **steam** and **chilled water** systems. He went on to hold progressively senior positions, culminating in **Vice President of Engineering and Innovation**, where he oversaw all capital projects from the **research** and **budgeting** phase through to **construction** and **commissioning**. This included the capital improvements to the **Pearl Street Steam Plant** that made it the most efficient facility of its kind in the world - as recognized by the **IDEA**.

In 2011, Steve co-founded **Magnolia Energy Corporation** to focus on developing innovative **renewable energy** technologies that could improve **district energy systems**. He later rebranded the business as **Magnolia Generation** to focus on providing clients with a **zero-capital** cost solution for life safety and sustained occupancy power. Magnolia's first completed project received recognition as the first multi unit residential building to meet the **City of Toronto's** new **Sustained Occupancy** guidelines.

Steve has a **Bachelors of Applied Science** degree in **Chemical Engineering** from the **University of Waterloo**.

**Space is limited so please register online at the link below**

Chapter Members:	\$48.00	Guests:	\$65.00
Student Members:	\$35.00	Life/Fellow:	\$48.00

<https://ashraeottawa.simplesignup.ca/en/4020/index.php?m=eventsList>

# President's Message

I would like to thank everyone for joining us at the **Centurion Centre** for the **January** meeting. Thank you to our speaker **Society President Darryl Boyce** for presenting his Presidential theme and **Joel Primeau** who provided a technical session before the meeting on choosing the right **HVAC** system. Thank you to **Engineered Air** for their donation of **Ottawa Senators** tickets to help raise money for the **Research Promotion** campaign. Congratulations to Past-President **Gemma Kerr** who was the lucky winner. **Gemma** graciously **donated** her tickets to students who attended the meeting. The monthly raffles help the Research Promotion committee reach their annual target. We appreciate all donations that are made to this cause and if you would like to donate to the campaign, please contact **Adam Moons** ([amoons@master.ca](mailto:amoons@master.ca)), our Research Promotion Chair.

Our next program meeting is **February 18th** at the **Centurion Center** on **Wastewater Energy Transfer** by **Stephen Condie**, Chief Technology Officer & Head of Operations at **Noventa Energy**. The theme for February is **Chapter Technology Transfer Committee (CTTC)**. One of the many annual objectives of the CTTC is participation in the **Chapter Technology Awards**. Our Chapter has been very successful in the past with projects winning Technology Awards at the Regional Level. **Trevor Thomson** is our current CTTC chair, and I encourage anyone with questions

about the application process to contact him directly ([trevort@totalhvac.com](mailto:trevort@totalhvac.com)).

Our Annual **Career Fair** will be happening on **March 10th** at **Carleton University**. Information is available online on our website if you are interested in sponsoring or participating. If you have any questions please feel free to contact **Jayson Bursill** ([jaysonbursill@cmail.carleton.ca](mailto:jaysonbursill@cmail.carleton.ca)) for more information.

On **March 13th** we will be hosting our Annual **Curling Bonspiel** at the **Nepean Sportsplex**. Please register soon to secure your spot. Registration is open to all. For more information, please visit our website or contact **Colleen Fox** ([cfox@trane.com](mailto:cfox@trane.com)). Our second **Women in ASHRAE** social will take place on **March 4th** at the **Clocktower Bew Pub** in **Westboro**. This is an event that is well attended and hosted by **Adrienne Mitani** and **Celine Baribeau**. The focus of the Women in Engineering group within ASHRAE is to facilitate the retention of women working in the built environment by encouraging opportunities for professional development, expanding leadership skills, and creating a network of women supporting women.

**Young Engineers in ASHRAE (YEA)** is an important part of our membership and are the future leaders of the **Ottawa Valley Chapter**. We look forward to seeing all our **YEA** members as well as our



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student members at the next meeting. Our next YEA event will be posted soon on the website. To learn more about our **February** program please go to our website at [www.ashrae.ottawa.on.ca](http://www.ashrae.ottawa.on.ca) and click on the February meeting link for more information and to register. If you can, please support a student meal at our next meeting for **\$35**. We encourage students to attend through the generosity of our members.

Thank you and I look forward to seeing you soon!

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# What You Missed

The **January** program meeting of the **2019/2020 ASHRAE** season was held at the **Centurion Conference Event Center** on Colonnade Road, and the theme for the evening was **YEA**. The meeting was attended by **sixty-nine** guests, which consisted of **forty-four** members, **nine** guests and **sixteen** students. The program for the evening was **Building for People and Performance, Achieving Operational Excellence**, presented by **Society President Darryl Boyce**. A tech session was delivered by **Joel Primeau** on **System Selection** before the meeting. Joel will be presenting several tech sessions in this upcoming **ASHRAE** year.

President **Aaron Dobson** called the meeting to order. Aaron introduced the **Executive and Board of Governors**. Secretary **Ryan Dickinson** introduced the guests for the evening. **Andrew Brown**, membership promotion chair, welcomed **nine** new members to the Chapter.

**Elizabeth Primeau**, Student Activities Chair, talked about Society President **Darryl Boyce's** visit earlier in the day to **Carleton University**, where he met with students to talk about **ASHRAE**. In **December**, a group of students from **Earl of March High School** visited **Modern Niagara's** shop for a tour.

The **Career Fair** is coming up on **March 10<sup>th</sup>** at **Carleton University**, and the **OCA Youth Education Trade Show** is coming up at the end of **February** where **ASHRAE** is helping out with the **HVAC, sheet**

**metal** and **plumbing** booth.

**Joe Della Valle** spoke about the benefits of Young Engineers of ASHRAE (YEA), including his past experiences and involvement volunteering with the YEA committee. There will be an upcoming **Learn to Curl** event to be scheduled before the upcoming **Curling Bonspiel**.

**Adam Moons**, **President-Elect** and **Research Promotion** Chair, mentioned that the Chapter is halfway to reaching its goal of **\$36,000** this year, and thanked the membership for the incredible support that has been given.

President **Aaron Dobson** spoke about the upcoming **Curling Bonspiel** on **March 13<sup>th</sup>** and mentioned that the **ASHRAE Winter Conference** will be taking place next week.

There were **2** tablespots for the evening. **Tim Sutton**, Sales Manager for **S&P Canada Ventilation Products**, was presenting their jet fans for parking garages that they will be introducing at the **AHRI Expo**. **Glenn Maclean** from **Engineered Air** introduced their latest acquisition, **BKM**, the original reverse flow energy recovery technology.

Dinner was an assorted buffet with cake and coffee served for dessert.

Raffle tickets were sold to win two tickets to an upcoming **Ottawa Senators** game, donated by **Engineered Air**. A total of **\$760**



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was raised for **ASHRAE** research. **Gemma Kerr** was the lucky winner of the tickets, and graciously offered the tickets to the visiting students at her table.

President **Aaron Dobson** announced the program topic for the evening and introduced the speaker, **Society President Darryl Boyce**. Darryl Boyce's presentation discussed his theme for the society year, **Building for People and Performance, Achieving Operational Excellence**.

**Darryl** started his presentation by sharing his story of growing up, discovering his passion for engineering, and his **ASHRAE** journey. He learned early on that making or building things was not enough, and that we must ensure **operational performance** for the people who live, work and interact in buildings. People must succeed within the buildings we create.

We should care about operational performance because we own the buildings we design, build, commission and operate, and it aligns with **ASHRAE's** mission of advancing human well-being. Darryl suggested that the **HR** in **ASHRAE** stands for people, the **human**

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**resources** that have been at the center of **ASHRAE** since day one. **Operational performance** is good for the planet by reducing the environmental impact of building operations.

**Darryl** presented data that showed that buildings with great designs occasionally use more energy than designers intended or the owners expected. Great designs do not always deliver great operations, because the designers are not always focused on operability during the design process. They should understand what the owners want at the end. Buildings are becoming more complex with new technologies, and building operators are not being properly trained. Several post occupancy studies found that buildings were designed with systems that exceeded the capacity of the building management to operate. Systems were **complex** or **innovative**, and there was insufficient commissioning which led to a correlation with lower

building performance.

We can help people succeed in the buildings we create by finding ways to include building operations representatives all the way through design. Designs should reflect the **capabilities** of the people that will be operating the building. **ASHRAE** members should get engaged with building operators at the chapter level and the society level to improve our understanding of their problems and develop educational and training tools to reduce the gap between design, construction and operations. **ASHRAE** is developing a new guideline called: **Designing for Effective Building Operations**, which will be available in **June 2020** or early **July**.

**Darryl** concluded his presentation by discussing ASHRAE membership, the **2019-2024** strategic plan, well-recognized standards, the ASHRAE Handbooks, Advanced Energy Design Guides, ASHRAE Learning Institute (ALI), ASHRAE

eLearning, Certification, Building EQ, resources for Young Engineers in ASHRAE and scholarships.

Lastly, **Darryl** introduced the new **ASHRAE Global Headquarters** which will be net-zero energy ready, with the move expected for **October 2020**.

President **Aaron Dobson** thanked **Darryl Boyce** and reminded attendees of the survey which will be emailed. The next meeting is scheduled for **Tuesday February 18<sup>th</sup>** at the **Centurion Conference and Event Center**.

## ASHRAE Table Top Displays

What better way to display a new product, existing line, or share great ideas than to have a table-top display at our local **OVC ASHRAE** meetings?

The **OVC** meetings provide a captive audience in the industry and exposure to **60+** people.

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Cost for a table-top is **\$225**.

*Payment is to be made through the online system prior to the date reserved. Follow the link below:*

<https://ashraeottawa.simplesignup.ca/en/3654/index.php?m=eventSummary>



**Table Tops**  
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# News Update

## ASHRAE Releases Smart Grid Application Guide: Integrating Facilities with the Electric Grid

**ATLANTA** (January 29, 2020) – **ASHRAE** announced the release of its **Smart Grid Application Guide: Integrating Facilities with the Electric Grid**.

Created as part of 2018-19 **ASHRAE** President **Sheila J. Hayter's** presidential initiative, the **Smart Grid Application Guide** provides building owners, managers and designers with guidance on the **smart grid**, applicable smart grid standards and regulations, as well as the design and operation of systems in this emerging industry.

"Harnessing the opportunities smart grid systems provide for creating more flexible and dynamic building systems is an integral part of our new energy future," said **Hayter**. "This guide was specifically designed to help building professionals navigate the steps needed to prepare a building for the smart grid."

Both the Smart Electric Power Alliance (SEPA) and the OpenADR Alliance were heavily involved in working with **ASHRAE** on the development of the guide.

"The transformation to a smart grid has already begun," said **Steven Bushby**, Fellow **ASHRAE**, chair of the guide's ad hoc committee and leader of the **Mechanical Systems and Controls Group** of the **Energy and Environment Division** of **NIST's Engineering Laboratory**. "The Smart Grid Application Guide is a resource to help building professionals understand what is happening during this transformation and the opportunities they can take advantage of now and in the future."

The guide details the concrete steps needed to prepare a building – whether new construction or

renovation – for integration with the smart grid. It covers wide variety of topics, including:

- Navigating regulatory environments that affect deployment of the smart grid
- Strategies to accrue benefits
- Utility bill savings and potential revenue streams
- Behind-the-meter distributed energy resources
- Demand-side management
- Customer aggregation for demand response
- Considerations for single- and multiple facility design and operations
- Microgrids
- Meeting building needs during interruptions to grid services
- Constraints on deployment options

The **Smart Grid Application Guide** will be available for purchase at the **2020 ASHRAE Winter Conference** being held Feb. 1–5, at the **Hilton Orlando in Orlando, Fla.** It can also be purchased online at [www.ashrae.org/bookstore](http://www.ashrae.org/bookstore)

## U.S. DOE Finalizes Rule Clarifying Use of ASHRAE Energy Conservation Standard

**ATLANTA** (January 17, 2020) – **ASHRAE** is pleased to announce that the **U.S. Department of Energy** has issued a final rule, clarifying that **DOE** must meet its statutory requirements to adopt **ASHRAE Commercial Building Energy Efficiency Standard 90.1** energy conservation levels, "except in extraordinary cases where a high evidentiary hurdle has been surmounted." Further, DOE noted in the final rule, "The language of the statute makes clear that Congress intended to establish a high bar for DOE to go beyond the levels in **ASHRAE Standard 90.1**, an intention clearly reflected by its

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decision to require a heightened evidentiary standard."

DOE's final rule entitled "Energy Conservation Program for Appliance Standards: Procedures for Use in New or Revised Energy Conservation Standards and Test Procedures for Consumer Products and Commercial/Industrial Equipment," was issued **January 15, 2020**, and is commonly called the "Process Rule."


The rule provides the procedures by which DOE prescribes energy conservation standards for both consumer products and commercial equipment pursuant to the Energy Policy and Conservation Act. While the statute already directs DOE to adopt energy efficiency levels in **ASHRAE 90.1** unless several hurdles are met, the Process Rule clarifies DOE's interpretation of EPCA in acknowledging the statute provides a high bar for going beyond **ASHRAE Standard 90.1**.

In its final rule, **DOE** discussed many points **ASHRAE** made in a letter issued on **May 6, 2019** commenting on the proposed rulemaking. DOE also states in its Final Rule that the "statutory scheme, which directs DOE to adopt **ASHRAE** technical standards and test procedures unless further EPCA provisions command otherwise, comports with the requirements of the National Technology Transfer and Advancement Act of 1995 and OMB Circular A-119."

**ASHRAE's** standard development process is rigorous, and it is one of only six standards-developing organizations in the U.S. that

  
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self-certify that its standards have followed procedures established by the American National Standards Institute (ANSI). **ASHRAE** has transparent, balanced and robust consensus-based standards setting process, developed through the participation of any and all interested and affected stakeholders. These participants do not need to be **ASHRAE** members to participate.

**ANSI/ASHRAE/IES Standard 90.1, Energy Standard for Buildings Except Low-Rise Residential Buildings** (referenced as "Standard 90.1") has been a benchmark for commercial building energy codes in the United States and a key basis for codes and standards around the world for more than 35 years. **ASHRAE's** most recently published Standard 90.1-2019 reflects a process by which ASHRAE received 544 comments from 116 distinct commenters over the course of a three-year period.

All proposed changes to **Standard 90.1** are open for public review, which allows interested and materially affected parties to give input into development of the standard and reach consensus, ensuring publication of a document that has been rigorously examined, questioned and defended. **ASHRAE's** consensus process ensures buy-in and reflects input from energy advocates, building owners, design professionals, utilities, manufacturers, representatives from DOE, and other materially affected and interested parties. Compared to a building built using **ASHRAE Standard 90-1975**, a building built to **ASHRAE Standard 90.1-2016** will use **less than half** the energy.

DOE is currently conducting a technical analysis of the latest version of Standard 90.1-2019 to assess its energy efficiency impact on the U.S. built environment. Standing Standard Project Committee 90.1 (SSPC), the committee that has oversees the development of the standard, has served close to 45 years.

The 47 voting members on **SSPC 90.1** have broad representation: Of the 19 voting members from the industry interest category, only nine come from the industries that have a material interest in products covered by potential DOE regulation. The remaining industry interest category members represent building envelope material manufacturers (five voting members), and lighting equipment representatives (five voting members).

**ASHRAE** will continue to improve **Standard 90.1** through its continuous maintenance process, and it welcomes involvement in this process.

For more information: [ashrae.org/technical-resources/standards-and-guidelines](http://ashrae.org/technical-resources/standards-and-guidelines).

**ASHRAE Breaks Ground on Global Headquarters Renovation Project**

**ATLANTA** (January 10, 2020) – **ASHRAE** today held a groundbreaking event to celebrate the start of construction on its new global headquarters renovation project. Photos for immediate use are available for download at [ashrae.org/newhq](http://ashrae.org/newhq).

The event marked the beginning of the renovation on a **two-story, 66,700 square-foot building**, located at **180 Technology Parkway, Peachtree Corners, Ga.** The project is expected to be completed by late summer, with ASHRAE's approximately 125 person staff scheduled to move into the new headquarters building by **October 2020**.

Separate donor recognition and public events will be held throughout the course of the project, starting with an initial donor recognition at the **2020 ASHRAE Winter Conference in Orlando, Fla., Feb. 1-5, 2020**.

"Our new headquarters project will showcase ASHRAE's best practices and help us achieve our vision of a healthy and sustainable environment for all," said 2019-20 ASHRAE President **Darryl K. Boyce, P.Eng.** "Because of the support of generous donors through ASHRAE's building campaign, we are able to make this project a reality."

Features such as water efficient plumbing and landscape, energy efficient HVAC and lighting systems, as well as the ability to harness on site energy production and be a **net-zero-energy ready** building were clearly defined as project requirements. Project requirements also include:


- Operation and maintenance needs, featuring an easily maintainable and secure facility that has low operations and maintenance costs;
- Excellent indoor environmental quality requirements that facilitate occupants' productivity by providing a comfortable



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environment, good HVAC system performance;

- Good space utilization, good acoustical qualities, unified interior style and high durability of finishes;
- Design criteria that meets and, in some cases, exceeds the requirements set forth in ASHRAE Standards 62, 90.1, and follows the guidelines as set forth in the new ASHRAE Advanced Energy Guideline for Office Buildings;
- A work environment that enhances the general health, fitness and wellbeing of the workforce;
- Sustainability which may be substantiated through available certification programs such as **LEED®**, **Green Globes**, **Fitwell** or **WELL Building** or **Living Building Challenge**.

In attendance at the groundbreaking event were members of **ASHRAE's Building Ad Hoc and Technical Advisory Subcommittee**. Also present were representatives from **Houser Walker Architecture** and **Integral Group**, the design team working on the project, and representatives from **Collins Project Management** (Project Management), **Skanska** (Construction Manager at Risk) and **Epsten Group** (Commissioning Agent). **McLennan Design** was unable to attend.

"ASHRAE's new headquarters will serve as a model of how to successfully renovate an older, less-efficient building into a showcase example of a state-of-the-art energy-efficient office building," said Building Ad Hoc Committee Chair **Ginger Scoggins**. "I am proud to serve on the ad hoc committee of this important project and even more proud of the powerful statement it will make regarding sustainable renovation of the existing building stock."

"The plans for this project incorporate some of ASHRAE's most well-known indoor air quality and energy standards and the end result will be a building that will offer a cutting edge, tangible example of sustainability in action," said Technical Advisory Subcommittee Chair **Tim McGinn**.

**ASHRAE** has a highly visible building campaign to support donor contributions with a wide array of benefits including: prominent building displays, donor wall recognition, naming rights, features

in national and international **ASHRAE** and industry publications and case studies, web presence, social media presence and a special commemorative publication about the project.

### **ASHRAE Releases Revised Version of Data Center Standard**

**ATLANTA** (December 11, 2019) – **ASHRAE** has released a revised version of its energy standard for data centers.

**ANSI/ASHRAE Standard 90.4-2019, Energy Standard for Data Centers**, establishes the minimum energy-efficiency requirements for the design and operation of data centers, with special consideration to their unique load requirements compared to other buildings. Standard 90.4 applies to data centers with a conditioned floor area greater than 20 W/ft<sup>2</sup> and IT equipment loads greater than 10 kW and contains specific requirements for mechanical and electrical systems installed in new data centers or in data center additions/alterations that require new mechanical or electrical systems.

"Standard 90.4 was developed under the guiding principle that data centers are **mission-critical** facilities that demand careful attention to the potential impact of requirements," said **Richard Zbin**, chair of the Standard 90.4 committee. "The updated standard enables operators and designers to use the latest and most effective equipment and techniques to achieve energy efficiency in data centers, while avoiding potential reliability issues."

#### **Updates:**

- Renumbered sections and revised wording to align more closely with that of Standard 90.1.
- Mechanical efficiency requirements are based entirely on yearly energy calculations and no longer include a power calculation option. Included table values are also aligned with the newest ASHRAE Climate Zones.
- Significant improvements are made to uninterruptible power supply (**UPS**) technology. Mechanical and electrical infrastructure elements are addressed. Updated UPS segment tables reflect available hardware, and average outputs are also included. Standard 90.4 has been in a continuous state of development as a code-intended companion to

Standard 90.1 since 2013. The standard requires compliance with Standard 90.1 for building envelope, service water heating, lighting, and other equipment.

### **ASHRAE and Smart Cities Council Sign MoU to Collaborate on Advancing the Sustainable Built Environment**

**ATLANTA** (December 5, 2019) – **ASHRAE** and the **Smart Cities Council** have signed a Memorandum of Understanding (MoU) formalizing the organizations' relationship and outlining their commitment towards the advancement of a more sustainable built environment.

The MoU was signed by 2019-20 ASHRAE President **Darryl K. Boyce**, P.Eng., and Smart Cities Council Executive Director **Jason Nelson** on November 5 in **Washington, D.C.** The agreement defines parameters on how **ASHRAE** and the **Smart Cities Council** will collaborate to promote mutual interests of their respective members and stakeholders.

These include but are not limited to: general advocacy; joint conferences and meetings; consistent leadership communication; publication development and distribution; education and professional development; technical activities coordination; and research.

"We value this partnership with the Smart Cities Council and are excited to leverage this collaboration to better support our members and industry professionals with tools, resources, training and education to accelerate optimal performance and sustainability in the built environment," said **Boyce**. "This MoU will focus our efforts as we seek to develop innovative solutions that will significantly increase our impact around the world."

"We greatly respect the work ASHRAE is doing and we look forward to aligning our mutual efforts to support sustainable practices in the built environment," says Nelson. "It no longer makes economic sense to invest in infrastructure without technology. We hope our collaboration will bring attention to the opportunity to build more sustainable and resilient cities."

# CRC 2021

Each year delegates from **ASHRAE** chapters meet at the **Chapter Regional Conference (CRC)** with regional officers and society representatives to review the past year's activities and to plan for the future.

In **August 2019**, **OVC** Members attended a successful **Region II CRC Meeting in Halifax, NS** and are looking forward to attend this year's conference around the same time in **Quebec City, QC**

The **Ottawa Valley Chapter** will be hosting the **2021 CRC** for **Region II**.

**Region II** is comprised of all of the **Canadian** chapters east of

**Winnipeg**. In total there are **nine** chapters in Region II. Each year the CRC is hosted by a different chapter. The last CRC hosted in **Ottawa** was in **2012**.

In attendance will be people from each of the **ASHRAE** chapters in Region II as well as some people from **Society** in **Atlanta**. While a large part of the CRC is focused on motions reviewing and improving the way regional council or society operates, it is also a valuable opportunity for **training** of the chapter committees as well as a chance for **ASHRAE** Chapter **volunteers** to connect with **ASHRAE Society**.



## Communique Chair

**Evans Mutua**

2019-2020

OVC CRC

Co-Chair

**City of Ottawa**

**E-mail:** [evans.mutua@ottawa.ca](mailto:evans.mutua@ottawa.ca)

The **2021 CRC** will be held in **Ottawa** and we are seeking **volunteers** to assist with the successful operation of the **CRC** in many different roles.

Contact **Evans Mutua** regarding volunteering opportunities.

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# Student Activities

Happy new year! We have many exciting things happening in **2020** before the end of the **ASHRAE** year. First, on **January 23rd**, **Darryl Boyce** spoke with a group of **15** students at **Carleton** about his presidential theme and the new **ASHRAE** headquarters. This was a very well received and very lively talk.

The annual student **Career Fair** will be held on **March 10<sup>th</sup>, 2020** at **Carleton University**. We hope to repeat the success of the past few years and see over a **dozen employers** and near **200 students**. If you are would like to reserve a booth please email **Jayson Bursill** at [JaysonBursill@cmail.carleton.ca](mailto:JaysonBursill@cmail.carleton.ca) or

**Chris Habets** at [chris@goodhabets.ca](mailto:chris@goodhabets.ca). The link to register is up on the **ASHRAE OVC** website.

For the first time ever the **Ottawa Construction Association** has a youth engagement section at the tradeshow on **February 26<sup>th</sup> and 27<sup>th</sup>** at the **EY Centre**. The objective of these dedicated booths is to give high school students, grade **7 to 10**, the chance to try the trades in a safe and fun environment. The **OVC**, along with the **Mechanical Construction Association**, is putting on a **HVAC, Sheet Metal** and **Plumbing** booth. This is an exciting opportunity for us to reach out to hundreds of students



## Student Activities

**Elizabeth Primeau**

2019-2020

OVC Student Activities

**TOTAL HVAC**

**E-mail:** [elizabethp@totalhvac.com](mailto:elizabethp@totalhvac.com)

over **two** days.

I am currently looking for any equipment that can be featured in the booth for the students to see. If you are interested in lending a hand at the booth, or helping out with the planning please send me an email at [elizabethp@totalhvac.com](mailto:elizabethp@totalhvac.com).





# Research Promotion

Thank you very much for your continued support of **ASHRAE Research Canada!**

**ASHRAE** Research plays an important role to improve the quality of life and to answer tomorrow's questions through research today. For every dollar raised towards Research Promotion in **Canada**, four dollars are invested towards research projects in Canada by ASHRAE Society.

To date, the RP campaign has raised 46% of our **\$34,650** goal for 2019-2020. We have exceeded our target of 30% by **December 31<sup>st</sup>**. Thank you to everyone who made this possible.

Thank you to **Longhill Energy** for donating **Ottawa Senator** hockey tickets which helped raise **\$590** towards the RP campaign.

Congratulations to **Evans Mutua** who was the lucky winner!

The following list of current **2019-2020** RP campaign **donors** will be provided in each monthly newsletter and updated on the website, so donate quickly to see your name appear!

Two of the easiest ways to make your donation to the **2019-2020 RP Campaign** are by clicking either of the links below.

Should you wish to donate by **cheque**, please make payable to **ASHRAE Ottawa Valley Chapter**. My contact details are below, and I will gladly make arrangements to pick-up any cheques if needed.



**Research Promotion**  
**Adam Moons**  
 2019-2020  
 OVC Research  
 Promotion  
**Master Group**

E-mail: [amoons@master.ca](mailto:amoons@master.ca)

**Adam Moons**  
**The Master Group**  
**25 Northside Rd**  
**Ottawa ON**  
**K2H 8S1**  
**amoons@master.ca**  
**p: 613.829.2816**



<b>ASHRAE Partner</b> \$5,000-\$9,999	<b>ASHRAE Associate</b> \$2,500-\$4,999	<b>Major Donor Silver</b> \$1,000-\$2,499
<b>Major Donor Bronze</b> \$500-\$999	<b>Major Donor Antique</b> \$250-\$499	<b>Honor Roll Individuals</b> \$150-249
	Daniel Redmond Aaron Dobson	
<p><b>Special Thank-You to the following Donors for their contribution</b>                      Michael Swayne, Ryan Dickinson, Adrienne Mitani, Joe Della Valle, Jacob Hough, Celine Baribeau, Adam Moons, Peter Shaw-Wood</p>		

ASHRAE Society link: <https://xp20.ashrae.org/secure/researchpromotion/rp.html>

ASHRAE OVC link: <https://ashraeottawa.simplesignup.ca/en/4883/index.php?m=eventSummary>

# Membership Update

Greetings Everyone,

It's hard to believe that we are half way through the fiscal year already. As mentioned last communique we started the second quarter with 427 members excluding students. As of today we are 419. In an effort to capture some lapsed members I will be conducting a telethon this month. If you are unsure what your membership status is feel free to email me at [aabrown@master.ca](mailto:aabrown@master.ca).

Why are we losing members? This is a question I have asked myself, and I'm yet to come up with an answer.

Everyone's opinion counts and I would love to hear what we are doing well and where we can improve. Without feedback it's hard to make changes.

Our next meeting is on **February 18<sup>th</sup>**. I will make my way around the room to collect your thoughts and hopefully reverse the trend. The **Ottawa Valley Chapter** has always set the example for the region. Let's build on past success and return to positive growth. I wish you all a great month.



## Membership Promotion

**Andrew Brown**

2019-2020

OVC Membership Committee

**Master Group**

E-mail: [aabrown@master.ca](mailto:aabrown@master.ca)

I would like to introduce and welcome the following new members:

**Johnathan M. Stacey**

**Dan Bradley**

**Chris O Roscoe**

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# YEA - Learn To Curl

Hi **YEA!**

This month we will have our second **YEA** social event! We will be hosting a learn to curl afternoon ahead of the **ASHRAE bonspiel** in **March**. This event has been generously sponsored by **The Master Group** and will consist of a brief tutorial on the basics of curling followed by a practice game. Like all good curling

games, we will finish by enjoying some beverages.

The event will occur on **February 29<sup>th</sup>** from **11am to 1pm** at the **Nepean Sportsplex**.

Everyone is welcome to join whether they are a first time or expert curler. Details and registration will be on the chapter website.



## Committee Chair

**Jordan Hansen**

2019-2020

Committee Chair

**Goodkey**

**Weedmark &**

**Associates**

E-mail: [jhansen@gwal.com](mailto:jhansen@gwal.com)

# Advertising

Advertising career opportunities on the **ASHRAE Ottawa Valley Website** makes good business sense. We offer a unique way to reach technical professionals and make your ad dollars work hard for you.

To discuss your needs, contact one of our chapter officers, via our "This Year" page. Increase the impact of your advertising through the **ASHRAE Ottawa Valley Website** today.

Rates for **career opportunities** ads are as follows:

## Chapter Member:

\$50/month  
\$80/2 months  
\$100/3 months

## Non-member:

\$250/month

*Note: Purchase of additional months will only have a discounted rate if purchased up front. Otherwise the standard rate will apply for additional months.*

## Placement of an Ad

We suggest that you complete and submit our advertisement form to speed up the processing of your request. If you have provided your e-mail address, a confirmation receipt e-mail will be sent to you for reference.

Please note that ads require prepayment made to the treasurer. Please register and pay through the online system and contact **Adam Moons** ([amoons@master.ca](mailto:amoons@master.ca)) with any questions. Follow the link below for payment.

The ads will appear on the website until the end date for publication provided in the submitted form. To extend the ad, please resubmit the form with the new publication dates and the required prepayment amounts.

Link: <https://ashraeottawa.simplesignup.ca/en/2590/index.php?m=eventSummary>

Link: <https://ashraeottawa.simplesignup.ca/en/2593/index.php?m=eventSummary>

# Business Card Ads

You can support your chapter and promote your business by placing your business card in the Capital Communiqué. It will also appear on the chapter website.

The cost is \$250.00 for the year. Please contact **Rod Lancefield** at [rod.lancefield@hts.com](mailto:rod.lancefield@hts.com) for more details.

Payment will be made through the online system. Follow the link below for payment.

<https://ashraeottawa.simplesignup.ca/en/2591/index.php?m=eventSummary>

Ads will **now require prepayment**. All of last year's ads will appear in the Communiqué for the first month of this year to allow time for payment for the upcoming year. Ads will be refreshed accordingly in the second Communiqué.

## Publicity 2019-2020 Publicity Committee Co-Chair

HTS Engineering Ltd.  
E-mail: [rod.lancefield@hts.com](mailto:rod.lancefield@hts.com)



**Treasurer**  
**Adrienne Mitani**  
2019-2020  
OVC Treasurer  
**Smith+Andersen**

**E-mail:** [adrienne.mitani@smithandandersen.com](mailto:adrienne.mitani@smithandandersen.com)



**Publicity**  
**Rod Lancefield**  
2019-2020 Publicity  
Committee Co-Chair  
**HTS Engineering Ltd.**

**E-mail:** [rod.lancefield@hts.com](mailto:rod.lancefield@hts.com)

## 2019-2020

### President

Aaron Dobson

### President-Elect

Adam Moons

### Treasurer

Adrienne Mitani

### Secretary

Ryan Dickinson

### Governors

Joe Della Valle

Jacob Hough

Celine Baribeau

Mike Swayne

Peter Shaw-Wood

### Past President

Daniel Redmond

## Committees

### Attendance

Sandy Taylor

### Audit

Abbey Saunders

## Capital Communiqué

Evans Mutua

### CRC

Evans Mutua

Steven Lynch

### CTTC

Trevor Thomson

### Grassroots

## Government Affairs

Adam Moons

### Financial

Sandy Taylor

### Greeter

Mike Swayne

### History

Ryan Dickinson

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Andrew Brown

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Steve Moons

Abbey Saunders

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Colleen Fox

Rod Lancefield

Adam Moons

Michael Callaghan

Adam Graham

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David Michelin

### YEA

Jordan Hansen

### Website

Ryan Dickinson