



**DATE:** Tuesday January 17<sup>th</sup>, 2023  
16:30 – 21:00 Hrs EST

**LOCATION:** Centurion Conference & Event Center  
170 Colonnade Rd S, Nepean, ON K2E 7J5

**THEME:** Young Engineers in ASHRAE (YEA)

**PROGRAM:** Building Data Analytics

Josh Gibbons, P.Eng., RYCOM Senior Building Systems Engineer, will be giving a presentation on Building Data Analytics and discussing the impact of BDA on the mechanical building systems industry, focusing on building automation systems and utility consumption data.

### January Meeting Agenda

- 4:30PM-5:30PM Tech Session  
Topic: Introduction to Building Automation Systems  
Speaker: Joel Primeau, P.Eng.
- 5:30PM-6:15PM Social Hour
- 6:15PM-7:00PM Dinner
- 7:00PM-8:00PM Business Session
- 8:00PM-9:00PM Building Data Analytics  
Speaker: Josh Gibbons, P.Eng.

### Below prices for attendance (+ HST)

ASHRAE Associate/Affiliate/Member:	\$48.00	ASHRAE Member Guest:	\$48.00
ASHRAE Student:	\$35.00	Non-Member:	\$65.00

[Meeting 4 - January 17<sup>th</sup>, 2023](#)

**Tech Session: Introduction to Building Automation Systems  
Presented by Joel Primeau, P.Eng.**

This presentation will introduce Building Automation Systems concepts and functions, discuss the role of BAS in mechanical building systems, and provide insight into industry practices.



**Program: Building Data Analytics**

Building Data Analytics offer many layers of benefits which can include reduced utility consumption and lower greenhouse gas emissions, improved occupant experience and allows for targeted maintenance programs. However, there is a general lack of understanding in our industry of what it actually means and how to use 'technology' to work towards more efficient building operations.

This presentation will explore what building data analytics means in our mechanical building system industry with a focus on building automation systems (BAS) and utility consumption time-series data and touch on the following questions with examples:

- A look at how fault detection and diagnostic (FDD) services operate, with references to ASHRAE Guideline 36, and how they typically come to market.
- Where this type of service makes the most sense.
- Why building owners should be collecting, saving, and making this data available.
- What it could mean for the construction industry if FDD was used to automatically identify issues in the warranty period.
- How building operators can use data to enhance their understanding of building systems.
- Why did ASHRAE conduct an online competition titled: Great Energy Predictor III and what could this mean for energy efficiency projects.

**Presented by Josh Gibbins, P.Eng.**

Josh Gibbins, P.Eng., is a Senior Building Systems Engineer at RYCOM providing technical direction on analytics and guidance on mechanical building systems for the Data Intelligence team. This team provides a managed fault detection and diagnostic (FDD) service and provides guidance on optimization opportunities.

Prior to joining RYCOM Josh spent 6 years working in energy management consulting providing a wide range of technical solutions including feasibility studies, energy and carbon conservation audits, net-zero pathways, mechanical system evaluations and utility evaluations. Prior to working in energy management Josh worked as a mechanical design engineer. For the past 7 years Josh has enjoyed expanding his data/visualization 'literacy' to help explain the mechanical functionality of buildings.



# President's Message

Happy New Year! I hope everyone enjoyed the holidays!

Our last meeting was held in November at the Centurion Conference and Event Center with 54 people in attendance. I'd like to thank Doug Cochrane for his excellent presentation on Cold Climate Design. The raffle prize for the evening was generously donated by Total HVAC. Thank you for your donation and thank you to everyone for supporting ASHRAE Research Canada and our Research Promotion campaign.



**President**  
**Ryan Dickinson**  
2022-2023  
OVC President  
**VANDERWESTEN & RUTHERFORD**

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Our bowling social took place on November 16th, and we had an excellent turnout with 9 teams registered. Congratulations to Ainsworth for winning the trophy this year! And thank you to Abbey Saunders for organizing the event!

Our next meeting will be taking place on Tuesday January 17th at the Centurion Center. Our speaker is Josh Gibbins, who will be presenting on Building Analytics. The theme for the month is *YEA (Young Engineers in ASHRAE)*.

Thank you again to all our volunteers and thank you to the membership for your continued support. I'm looking forward to seeing you all at our January meeting!

Ryan Dickinson  
2022-2023 OVC President

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<p><b>ENGINEERING PERFORMANCE...</b></p> <p>... mechanical, electrical, building automation, environmental, ...</p> <p>advanced sustainable building systems</p> <p>Patrick St-Onge, P. Eng. LEED AP   613-596-6454   bpa.ca 1960 Robertson Road, Suite 100, Ottawa, Ontario, K2H 5B9</p>	<p><b>Brevin MacKay</b> Engineering Sales / Account Manager Gorski, Plener and Associates (GPA inc) Ottawa, ON</p> <p>Direct: (613) 218-9686 Office: (343) 488-3000 Email: <a href="mailto:bmackay@gpainc.ca">bmackay@gpainc.ca</a></p>	<p><b>FRANCIS W.A. BANN, P. Eng.</b> Principal, Senior Mechanical Engineer</p> <p>613.727.5111 x.224   1688 Woodward Drive 613.226.0446   Ottawa, Ontario K2C 3R8</p> <p><a href="mailto:fbann@gwal.com">fbann@gwal.com</a>   <a href="http://www.gwal.com">www.gwal.com</a></p>

# What You Missed



**Secretary**  
**Jayson Bursill**  
2022-2023  
OVC Secretary  
**Delta Controls**  
**Inc.**

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The third program meeting of the 2022/2023 OVC ASHRAE season was held on November 15th, 2022, at Centurion Conference and Event Center on Colonnade Road and had 47 members, 5 guests, and 1 student attend. The theme of the meeting was Research. The program for the evening was Cold Climate - Design Designing for the Unique Challenges Posed by Cold Climate by Doug Cochrane. Dinner was buffet style dinner with hummus and pita, couscous salad, mixed vegetables, baked chicken breast with au jus, beef bourguignon, cheese tortellini, and tuxedo chocolate mousse cake for dessert.

President Ryan Dickinson called the meeting to order and acknowledged the Algonquin Nation and our industry's connection to the unceded land. President Ryan Dickinson introduced the Executive, Board of Governors. Jayson Bursill welcomed the guests for the evening. MP Chair and Region II Student Activities RVC Elizabeth Primeau welcomed the new members and reminded the attendees of the bowling event on November 16th. Adrienne Mitani filled in for Celine Baribeau to talk about Research Promotion in accordance with the meeting theme. This included a discussion of the society donation matching structure for Canadian research. Adrienne also announced the RP committee members and thanked RP contributors with Joel Primeau. Adrienne also introduced the new YEA Endowment that will allow OVC ASHRAE to send a local YEA member to YEA Leadership Weekend. In total, \$37,488 was raised in the 2021-2022 ASHRAE year.

Raffle tickets were sold to win two Ottawa Senators tickets in Club Bell on November 19th. donated by Total HVAC. The raffle generated \$488 CAD and \$20 USD for ASHRAE Research. Following this, President Ryan Dickinson announced the program topic for the evening, Cold Climate - Design Designing for the Unique Challenges Posed by Cold Climate presented by Doug C Cochrane, ASHRAE Distinguished Lecturer.

Doug introduced the topic with the disclaimer that there is no "silver bullet" to cold climate design. He also introduced society Technical Committees and the value of joining.

The unique situation of the extremely high and low seasonal design temperatures of the Ottawa ambient climate was highlighted. ASHRAE Climate Zones 5 to 8 are listed as cool to subarctic and are considered to exhibit some cold climate features. The importance of Owner's Project Requirements to focus on design features was highlighted. Design temperatures and safety factors were also discussed. The follow cold climate factors were listed as ubiquitous:

- Temperature
- Frozen precipitation
- Wind
- Humidity
- Thermal envelope
- Thermal comfort
- Maintainability
- Permafrost and frozen ground
- Remote building locations

Unique challenges of cold climate renewable energy integration were also discussed. Snow can cover solar panels and make wind turbines unusable. Conversely, there may also be higher renewable energy potential in cold climates due to solar availability. Human comfort expectations remain high in cold climates. However, labor availability is lower in cold climates as well due to lower populations and adverse ambient conditions. The labor also has unique challenges. Buried piping is becoming more common. Individual pipe insulation was identified as preferable to insulated utilidors. Propane also boils at -42C, which can be problematic at peak loading if used as heating fuel. Cases of snow-based geometric considerations were demonstrated.

Challenges of HVAC controls were also discussed. Frozen valves and electronic reliability in extreme conditions were identified as problematic. These issues were often compounded by operational issues and high costs. Cold climate heat pumps, their limitations, and the performance requirements of the DOE Heat Pump Challenge were also discussed.

Changes between the first and second editions of the design guide were also discussed, including the emphasis on operations and maintenance in the new version. Further description of the design guide is covered in a 3-hour ALI course.

To close, President Ryan Dickinson thanked Doug Cochrane. Ryan also reminded the audience about the post-meeting survey. The next meeting is scheduled for January 17th at the Centurion Conference and Event Center.



# Membership Update

Hello OVC Members!

I would like to wish a very warm welcome to the new members that have joined the Chapter since our last communique:

- Philippe Roy (student)
- Edward Blanco-Steger
- Mike Lynch
- Payam Sarebani (student)
- Emma Young (student)
- Ka Ming Tang
- Glen Clarke
- Christopher Beebe

Welcome to our Chapter!

As we wrap up the year, I would like us to reflect on the purpose of ASHRAE. Each member may have their own reason to be a part of this organization whether it started as a curiosity about the industry, or maybe a desire for a new job (or a first job). I think it is important to remind ourselves that we are part of an organization driven by an important mission. This mission is to "serve humanity by advancing the arts and sciences of heating, ventilation, air conditioning, refrigeration and their allied fields". There are many ways ASHRAE works to achieve this mission:

- Research in the HVAC&R fields
- Continuing education for members
- Encouraging students and young engineers to consider HVAC as a career

Next time someone asks you what ASHRAE is, I hope you can explain to them the purpose of this organization comes down to a simple vision for the world: a healthy and sustainable built environment for all.



**Committee Chair**  
**Elizabeth Primeau**  
 2022-2023 OVC  
 Membership Promotion  
 Committee  
**Total HVAC**

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<p><b>Longhill Energy</b></p> <p><b>Chris Harrison</b>          President</p> <p><a href="mailto:chrish@longhill.ca">chrish@longhill.ca</a>          Phone and cell option 613-226-3656 ext. 24          Fax: 613-226-2715          124 Reiss Rd., Ottawa, Ontario K0A 1L0  <a href="http://www.longhill.ca">www.longhill.ca</a></p> <p>The Energy Conservation People</p>	<p><b>Master</b>          HEATING   VENTILATION   AIR CONDITIONING          REFRIGERATION   HYDRONICS</p> <p><b>Andrew Allen Brown, P.Eng</b>          Commercial &amp; Industrial Sales Engineer  <a href="mailto:aabrown@master.ca">aabrown@master.ca</a></p> <p>T 613-829-2816 x41104          C 613-262-6504          1 866 429-1977</p> <p>The Master Group          25h Northside Rd          Nepean, ON K2H 8S1</p> <p><b>MASTER.CA</b></p>	<p><b>MCKEE ENGINEERING</b></p> <p><b>Sylvain Chenier, P.Eng., ing.</b>          Associate Partner – Mechanical  <a href="mailto:Sylvain.Chenier@mckeeottawa.ca">Sylvain.Chenier@mckeeottawa.ca</a></p> <p>1785 Woodward Drive          Ottawa, ON K2C 0P9          CANADA          Tel.: (613) 723-9585 x128          Fax.: (613) 723-9584  <a href="http://www.mckeeottawa.ca">www.mckeeottawa.ca</a></p>

# News Update

## 2023 HVAC Cold Climate Conference

Registration for the 2023 HVAC Cold Climate Conference is now open! Co-sponsored by ASHRAE and SCANVAC, the goal of this international conference is for Built Environment engineers, practitioners, researchers, scientists, owners, and government officials working in Cold Climate regions to share recent solutions and advancements addressing changes in climate; while experiencing the warmth, hospitality, and culture of Alaska.

“Net-zero energy and sustainability goals pose special challenges for cold climates, climates with large swings in temperature and where ever-changing climate and shifting weather patterns result in colder temperatures in areas where winters are typically mild. Harmonizing human comfort with the climatic realities of these environments is a balancing act, and strategic design is key to building, commissioning and operating efficient and long-lasting cold-climate structures.”

- Erich Binder, conference chair.

Find out more here: [2023 HVAC Cold Climate Conference](#)

## 2023 ASHRAE WINTER CONFERENCE & AHR EXPO

Don't forget, the ASHRAE Winter Conference & AHR Expo is fast-approaching! This year, it is taking place in Atlanta, Georgia from February 4th-8th. Discounted rates are available until Jan 20th... so don't delay, register today!

Find out more here: [2023 ASHRAE Winter Conference](#)



**Committee Co-Chair**  
**David Eckel**  
2022-2023 OVC  
CTTC Committee  
**GWAL**

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# ASHRAE OVC Bowling Social Recap

Hi Everyone,

It was great to be back! The annual Bowling Social was held on Tues, Nov 16th at the Merivale Bowling Center. Turnout was excellent this year, with 9 teams vying for the trophy.



In the end, the OVC ASHRAE Exec team was unable to retain their title, and despite being down a star player Ainsworth pulled out the victory. Congratulations Ainsworth, and thank you everyone for your participation and support. A great time was had by all. See you next year!



**Committee Chair**  
**Abbey Saunders**  
2022-2023 OVC  
Nominations &  
Awards Committee  
**NRC**

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# 2023 ASHRAE Winter Conference



**Committee Chair**  
**Pat Melville**  
2022-2023 OVC  
Communique  
**Student**

Registration is still open for the 2023 ASHRAE Winter Conference held February 4<sup>th</sup>-8<sup>th</sup> in Atlanta, Georgia, the city that is host to ASHRAE Global headquarters! The conference is shaping up to be a terrific event with plenty of opportunities for industry professionals of all levels, as well as students looking to immerse themselves in a unique learning environment.

**E-mail:**  
[andrewpmelville@outlook.com](mailto:andrewpmelville@outlook.com)

Registration for the 2023 ASHRAE Winter Conference provides free entry to the co-sponsored [AHR Expo](#), held February 6<sup>th</sup>-8<sup>th</sup> at the Georgia World Congress Center. Per the [ASHRAE website for early registration for the 2023 Winter Conference](#):



*"Each year, the ASHRAE Winter Conference and AHR Expo provides built environment professionals with industry-leading events and experiences and the best resources and presenters to deliver cutting-edge knowledge to address today's challenges," said 2022-23 ASHRAE President Farooq Mehboob, Fellow Life Member.*

*"Attending the Winter Conference and AHR Expo provides a wonderful opportunity to reconnect with colleagues, make new professional connections and inspire innovation thinking. We are thrilled to return to our global headquarters city and look forward to a successful event."*

## Winter Conference Details

Conference attendees can look forward to participating in the Technical Program, attending keynote speaker presentations, receiving updates from ASHRAE Society leaders, completing general and technical tours around Atlanta, and attending social events including the Welcome Party at the Georgia Aquarium. Leading up to and during the conference, ASHRAE will also conduct business, committee, and technical meetings.

The [ASHRAE Winter Conference Technical Program](#) will offer 80+ technical sessions, within nine tracks.

- Fundamentals & Applications
- HVAC&R Systems and Equipment
- Refrigerants and Refrigeration
- Grid Resilience and Thermal Storage
- Pathways to Zero Energy Emissions and Decarbonization
- Multifamily and Residential Buildings
- Operations and Maintenance
- Building Simulation and Virtual Design in Construction
- Innovative Responses to Supply Chain Challenges (mini track)

## Winter Conference – Student Program

A special program for students will take place at the 2023 Winter Conference. Events and activities include a mixer, technical talks, student roundtable and an AHR Expo tour. Students are also encouraged to attend recommended technical sessions throughout the conference.

## Registration

Details for registration for in-person and virtual attendance can be found [here](#).

More details on the ASHRAE 2023 Winter Conference can be found [here](#).

# Research Promotion



**President-Elect**  
**Celine Baribeau**  
 2022-2023 OVC  
 Research Promotion  
 Committee  
**BPA**

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

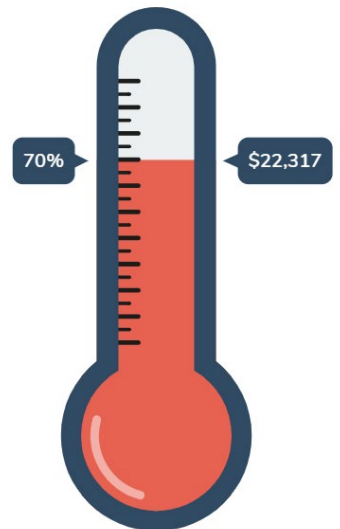
Many of you are aware that ASHRAE research plays an important role in our everyday lives. Our built environment including everything from our homes, offices, and hospitals to quality of food and living conditions in airplanes are dependent upon the research conducted by ASHRAE to keep people healthy and comfortable. Every dollar raised by ASHRAE Research Canada stays in Canada to further research in the HVAC&R industry. Furthermore, for every dollar raised, about 7 dollars are invested in research, here in Canada.

**E-mail:** [celine\\_baribeau@hotmail.com](mailto:celine_baribeau@hotmail.com)

Thank you to Total HVAC for their generous donations of Ottawa Senators tickets that raised \$590 towards Research Promotion from the November meeting.

**GOAL: \$32,000**

The list of current 2022-2023 RP campaign donors will be provided in each monthly newsletter and program meetings, so donate quickly to see your name appear! Thank you for your continued support!



Two of the easiest ways to make your donation to the 2022-2023 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.

Celine Baribeau  
 2022-2023 ASHRAE RP Chair  
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ASHRAE Society link: <https://xp20.ashrae.org/secure/researchpromotion/rp.html>

ASHRAE OVC link: <https://ashraeottawa.simplesignup.ca/en/11560/index.php?m=eventSummary>

<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
		Total HVAC
<b>Major Donor Bronze</b> \$500 - \$999	<b>Major Donor Antique</b> \$250 - \$499	<b>Honor Roll Individuals</b> \$100 - \$249
Ainsworth	Joel Primeau Clément Marchand	Abbey Saunders Micheal Swayne Celine Baribeau Ryan Dickinson Adrienne Mitani Evans Mutua Elizabeth Primeau Trevor Thomson Jayson Bursill Steve Moons

**Special Thanks to the following donors for their contribution:**

David Michelin, Patrick O'Meara, Chris Brown, Khadijah Ahmad, Lukas Glaspell, Chris Habets, Bryan Halliday, Jordan Hansen, Rob Lefebvre, Ryan McKinnon, Jim Mills, Mitchell Niles, Connor Patterson, Jeff Schroeder, Jesus Ramirez



# Student Activities

In November we saw some student membership renewals as well as new memberships. In November we had our Distinguished Lecturer give a presentation for students at Carleton.

Our goal moving forward is to work with other local post-secondary institutions and ensure the same level of engagement.

We had multiple local students apply for the ASHRAE scholarships. During the process they were introduced to the local chapter and showed interest in joining.

Hopefully we will see some more new faces in the new year!

ASHRAE Student Membership benefits can be found at the below link: [ASHRAE Student Memberships](#)



**Committee Chair**  
**Noah Goddard**  
2022-2023 OVC Student Activities Committee  
**Longhill Energy**

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# Government Affairs

- ◆ Celine Baribeau – Government Affairs Chair 2022-2023
- ◆ Adrienne Mitani – Government Affairs Committee 2022-2023



**Past President**  
**Adrienne Mitani**  
2022-2023  
OVC Government  
Affairs Committee  
**Smith + Andersen**

## What is happening in Ottawa?

Subscribe to the Ottawa newsletter to receive email newsletters. We recommend Better Buildings Ottawa, City Builders, and Climate Change, but there are many more to choose from. Sign up [here](#).

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## Thermal Scan Pilot Project Downtown and Kanata

The Better Buildings Ottawa group is currently working on a pilot project to understand commercial building envelope performances. They are working with a consultant to take thermographic images of the street facades for different types of properties. You can find out more [here](#).

## Canada Releases Energy Efficiency Scorecard

The 2022 Canadian Energy Efficiency Scorecard is an assessment of Canadian provinces and territories and their policies and outcomes realized within an 18-month window (January 2021 to June 2022). The scorecard is released each year by Efficiency Canada, an energy efficiency organization housed at Carleton University Sustainable Energy Research Center. The top performers (and their scores) were British Columbia (55), Nova Scotia (50), and Quebec (48) – On the contrary, Saskatchewan (16) and Newfoundland and Labrador (17), and Alberta (19) had the lowest scores. All provinces/territories struggled with energy efficiency in Buildings, with the highest score being 10/19.5; the average score for buildings was 4.2/19.5. The report also provides 5 recommendations to support energy efficiency, expand the scale and scope of low-income energy efficiency, mandate efficient and zero-carbon heating, define net zero building performance standards, integrate with existing provincial programs, and create targets and expectations for provinces.

## ASHRAE President Farooq Mehboob and Treasurer Dennis Knight Speak at COP 27 Event

The COP27 climate summit brought global leaders to Sharm El-Sheikh, Egypt where a two-week climate summit hosted by the United Nations produced a historic agreement for a new global fund to pay for climate damage suffered by developing and poorer countries. ASHRAE President Farooq Mehboob and Treasurer Dennis Knight both provided remarks at a COP27 event, Planning, Design and Development in the Global South: The “How To” for People + Planet. This event, hosted by Architecture 2030, ASHRAE, and the International Network of Women Engineers + Scientists, included a diverse panel of leading practitioners in planning, design and construction of buildings, landscapes, and infrastructure. To view the presentation, please visit [here](#). Read more about the COP27 full agreement [here](#).

## Decarbonization Panel Presentation held in Regina, Saskatchewan

On Wednesday, November 9, the Regina ASHRAE Chapter, in conjunction with the Saskatoon ASHRAE Chapter, hosted a panel discussion on “Decarbonizing the Built Environment in Saskatchewan.” Discussion focused on the need to decarbonize in an economically sustainable way. The panel included presenters from the City of Regina, the Saskatchewan Ministry of Environment, universities, and businesses involved with energy and technologies. As a result of this meeting, both provincial and municipal leaders recognized the breadth and depth of knowledge that local ASHRAE Chapters have for decarbonizing buildings. The Regina and Saskatoon ASHRAE Chapters are committed to providing technical resources that can help stakeholders make good decisions.

## IEA Releases Report on the Impact of Coal in Net Zero Transitions

The International Energy Agency (IEA) released a world energy outlook special report, "Coal in Net Zero Transitions: Strategies for Rapid, Secure and People-Centered Change." The report outlines how coal will influence, and be influenced by, the world's ambitions to reach net-zero greenhouse gas emissions. The report modeled the 2050 outlook in coal demand for both a scenario based on the existing status quo and a scenario where countries with net-zero emission pledges reach their goals, finding a 30 percent and 70 percent decrease in coal demand, respectively. The full report can be read [here](#).

## Table-Tops

If you're looking to communicate the value of your product, there is no better way than to invest in a tabletop at an upcoming ASHRAE OVC meeting. Highly attended and highly regarded, our monthly meetings can afford you the opportunity to display your new technologies to an eager group of HVAC/R engineers and contractors. If you wish to review the themes of each meeting to find an appropriate topic, please feel free to contact me.



**Committee Chair**  
**Connor Patterson**  
2022-2023  
OVC Table-Tops  
**JP2G**

**E-mail:** [connorp@jp2g.com](mailto:connorp@jp2g.com)

Is there really a better way to display a new product, existing line, or share great ideas than to have a tabletop display at our local ASHRAE OVC meetings? These meetings provide a captive audience in the industry and exposure to 40+ people. We are currently reserving tabletop openings for this ASHRAE year.

Please contact Connor Patterson ([connorp@jp2g.com](mailto:connorp@jp2g.com)) to secure yours today! Cost for tabletops is \$225.00 and spaces are filling up quickly, so book your tabletop today!

Payment is to be made through the online system prior to the date reserved. Follow the link below: <https://ashraeottawa.simplesignup.ca/en/11562/index.php?m=eventsList>

 <p><b>Steve Moons, P.Eng.</b> Principal</p> <p>4A - 1050 Baxter Rd. Ottawa, Ontario Canada, K2C 3P1</p> <p>P: 613-723-4611 C: 613-229-5806 E: <a href="mailto:stevem@totalhvac.com">stevem@totalhvac.com</a> W: <a href="http://www.totalhvac.com">www.totalhvac.com</a></p>	<p>Glenn Jones B.Eng LEED AP BD+C Sales Manager - HVAC Systems</p>  <p>1024 Morrison Drive Ottawa, ON K2H 8K7 613-356-1940 / Cell 514-951-7809 613-820-8111 / Fax 613-820-1414 <a href="mailto:gjones@trane.com">gjones@trane.com</a> <a href="http://www.trane.com">www.trane.com</a></p> 	 <p><b>WALMAR</b> Mechanical Sales Limited MANUFACTURERS, AGENTS &amp; DISTRIBUTORS</p> <p><b>Chris Brown</b></p> <p>Tel: 613.225.9774 Fax: 613.225.0673 e-mail: <a href="mailto:chrisbrown@walmart.net">chrisbrown@walmart.net</a> <a href="http://www.walmart.net">www.walmart.net</a> 24 GURDWARA ROAD, NEPEAN, ONTARIO K2E 8B5</p>
<p><b>Yorkland Controls</b></p> <p><b>Vinodh Lakshman</b> Regional Sales Director <a href="mailto:vin@yorkland.net">vin@yorkland.net</a></p> <p>ENVIRONMENTAL SOLUTIONS</p> <p>1050 Baxter Rd, Unit 6A Ottawa, ON K2C 3P1 <a href="http://yorkland.net">yorkland.net</a></p> <p>m. 613-880-8188 f. 613-721-4906 tf. 877-733-3833</p>  <p>WILES-LEGAULT.COM HVAC CONTROLS</p> <p>1260 Old Innes Rd, Unit 605 Ottawa, ON K1B 3V3</p> <p>t. 613-747-1867 f. 613-745-6042 tf. 800-720-7757</p>		

# 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**

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 **Evans Mutua** ([Evans.Mutua@ottawa.ca](mailto:Evans.Mutua@ottawa.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/9709/index.php?m=eventSummary>

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# 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 **\$275.00** for the year. Please contact **Evans Mutua** at [Evans.Mutua@ottawa.ca](mailto:Evans.Mutua@ottawa.ca) for more details.

Payment will be made through the online system. Follow the link below for payment.  
[Simple Sign Up - Payment](#)

Ads will **now require prepayment**. All 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.



**Treasurer**  
**Evans Mutua**  
2022-2023  
OVC Treasurer  
**City of Ottawa**

E-mail: [Evans.Mutua@ottawa.ca](mailto:Evans.Mutua@ottawa.ca)



**Treasurer**  
**Evans Mutua**  
2022-2023  
OVC Publicity  
Committee Co-Chair  
**City of Ottawa**

E-mail: [Evans.Mutua@ottawa.ca](mailto:Evans.Mutua@ottawa.ca)

## 2022-2023

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Ryan Dickinson

### President-Elect

Celine Baribeau

### Treasurer

Evans Mutua

### Secretary

Jayson Bursill

### Governors

Matt Moore

Mike Swayne

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#### Communiqué

Pat Melville

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Donald Weekes

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#### Membership

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#### Nominations &

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Steve Moons

Abbey Saunders

#### PAOE

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#### Publicity

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#### Research

#### Promotion

Celine Baribeau

#### Special Events

Colleen Fox

Abbey Saunders

Trevor Thomson

#### Student Activities

Noah Goddard

#### Tabletop

Connor Patterson

#### YEA

Jeremy Strong

#### Website

Samir Elchamaa