



**DATE:** Tuesday November 15<sup>th</sup>, 2022  
16:30 – 21:00 Hrs EST

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

**PROGRAM:** Cold Climate Design

**DESCRIPTION:**

ASHRAE's Cold-Climate Buildings Design Guide identifies strategies on how to meet the design challenges created by cold climate conditions, from initial planning to completion. This presentation will review the changes in the recently released 2<sup>nd</sup> edition of the Design Guide and will include a discussion of relevant decarbonization considerations.

**November Meeting Agenda**

- 4:30PM-5:30PM Tech Session  
Topic: How to Write a Good OPR  
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 Cold Climate Design - Designing for the Unique Challenges Posed by Cold Climate.  
Speaker: Doug C. Cochrane, P.Eng., ASHRAE Distinguished Lecturer

**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 3 – November 15<sup>th</sup>, 2022](#)

**Tech Session:     How to Write a Good OPR**  
**Presented by Joel Primeau, P.Eng.**

This presentation will cover the importance of validating and confirming the owners project requirements at the beginning of any HVAC design effort. The OPR is the foundation of the commissioning process. An OPR should be written for every single engineering design effort, whether there is a commissioning authority or not on the project. This tech session will show how to gather the information necessary to prepare a good OPR and will present an example of a good OPR.



**Program:           Cold Climate Design - Designing for the Unique Challenges Posed by Cold Climate.**  
**Presented by Doug C. Cochrane, P.Eng., ASHRAE Distinguished Lecturer**

Doug is currently an independent consultant, after having spent nearly 30 years in equipment sales for Carrier – a major manufacturer of HVAC equipment.

Doug is a graduate of Ryerson University with a degree in Mechanical Engineering and is a licensed professional engineer in Ontario. He is also a LEED AP and has a certificate in sales development from Humber College. He has also completed the Carrier basic system design course and has completed advanced training in rooftop units, split systems, AHUs, chillers, controls, and system selling. He qualified as a “train the trainer” with Carrier. Doug began his career in inside sales and has held additional roles as a software coordinator, chiller and applied systems specialist, territory manager, branch sales manager, regional commercial sales manager, and engineering sales manager.



Doug joined ASHRAE while enrolled in his undergraduate degree and has participated in chapter, region, and society activities ever since. He is a past president of the Toronto chapter, CRC chair (twice), inaugural RVC for GGAC in Region II, has served on the nominating committee for 6 years, and the conferences and expositions committee for 3 years. Doug was the technical chair for the Chicago 2015 conference. Doug is the immediate past DRC for Region II and is a member of TC 9.1 Large Building AC, Cold Climate Design Guide TRG9, a member of the standards appeal board, and is currently the immediate past Chair of Building EQ, and ARC for Region II. He is chair of the upcoming topical conference on Industrial ventilation in Toronto in August 2021, and is General Chair of the Annual ASHRAE society meeting in June 2022, celebrating Toronto chapter’s 100th anniversary. Doug has helped organize Canada’s federal government outreach day in Ottawa since the beginning of the program and has been involved in the provincial day at Queens Park in Toronto from day one. He holds the ASHRAE distinguished service award, the regional award of merit, and the chapter service award.

Doug serves as technical advisory committee chair for Part 6: HVAC of the Ontario building code and is a member of the stakeholder group for Ontario’s energy and water reporting and benchmarking. He was also part of the program advisory committee for Sheridan College.

Doug has given Building EQ presentations at many ASHRAE CRC’s (Regions I,II,XI, XIV in 2019), and presented on topics including public speaking, running a successful meeting, and the Cold climate design guide at the Region XI CRC at sea last year. He provides a regional update on society meetings to keep everyone in the region informed, and recognizes regional member achievements and awards. He gave a 2.5-hour presentation at the Buildings show in Toronto in December 2019 about updates to the ASHRAE standards for higher building performance and energy efficiency. He was a reviewer of the latest ASHRAE 3rd edition of Air Conditioning System Design Manual and has also reviewed ASHRAE handbook chapters relative to TC 9.1.

Doug is married, and he and his wife Cathy have a son, Sean. An avid sports fan, Doug is a diehard Toronto Maple Leafs hockey supporter, and hopes to see them win another Stanley cup during his lifetime.

# President's Message

The upcoming November meeting will be our last meeting of 2022, and I would once again like to thank all our volunteers and members for your continued support this year. We had 42 people in attendance at our October meeting, and I would like to thank our speaker Anna Harman for her excellent presentation on decarbonization strategies.

The raffle prize for the evening – generously donated by Clément Marchand – raised \$340 for ASHRAE Research Canada. Thank you for your donation and thank you to everyone for supporting our Research Promotion campaign.

Our next meeting will be taking place on Tuesday November 15th at the Centurion Center. Our speaker is Doug Cochrane, an ASHRAE Distinguished Lecturer, who will be presenting on cold climate design.

This month's theme is Research, and we will be hosting our annual donor recognition night at the November meeting to recognize all the individuals and organizations that helped make the 2021-2022 campaign a success.

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 November meeting and bowling social this month!

Ryan Dickinson  
2022-2023 OVC President



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

E-mail: [ryand@vreng.ca](mailto:ryand@vreng.ca)

<p><b>ROY SAMHABER, P. ENG.</b> senior project manager</p> <p>P: 613 224 7500 x6158   P: 888 283 7267   F: 613 224 3726 rsamhaber@ameresco.com   ameresco.ca Ameresco Canada Inc. 106 Colonnade Rd N, Ste 200   Ottawa, ON K2E 7L8</p>	<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Green • Clean • Sustainable</p> <p><b>Mark Csiffary P.Eng.</b> President</p> <p><b>BAXTEC</b> MECHANICAL SERVICES</p> <p>2470 Don Reid Drive Ottawa ON K1H 1E1 mark@baxtec.com www.baxtec.com W: 613-738-7450 C: 613-229-8277</p>	<p><b>Belimo Aircontrols (CAN), Inc.</b> 5845 Kennedy Road Mississauga, ON L4Z 2G3 Direct: +1 905-712-2046 Cell: +1 902-222-8599 Fax: +1 905-712-3124 gordon.inkpen@ca.belimo.com www.belimo.ca</p> <p><b>Gordon Inkpen</b> District Sales Manager - Eastern Canada, Atlantic &amp; Ottawa</p>
<p><b>ENGINEERING PERFORMANCE...</b></p> <p>... mechanical, electrical, building automation, environmental, ...</p> <p><b>bpa</b> advanced sustainable building systems</p> <p>Patrick St-Onge, P. Eng. LEED AP   613-596-6454   bpa.ca 1960 Roberson 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>613.727.6111 x.224   1688 Woodward Drive 613.229.0446   Ottawa, Ontario K2C 3R8 fbann@gwal.com   www.gwal.com</p>

# What You Missed

The second program meeting of the 2022/2023 OVC ASHRAE season was held on October 18<sup>th</sup>, 2022, at Centurion Conference and Event Center on Colonnade Road and had 42 members and 3 guests attend. The theme of the meeting was Students. The program for the evening was Strategies to Decarbonize Buildings Across the World by Anna Harman. Trevor Thompson from Total HVAC provided a tabletop display for the evening. 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.



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

E-mail: [jbursill@deltacontrols.com](mailto:jbursill@deltacontrols.com)

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, and the guests for the evening. MP Chair and Region II Student Activities RVC Elizabeth Primeau welcomed the new members (including three new student members) and specifically welcomed the student members in accordance with the meeting theme. K-12 STEM student engagement initiatives were highlighted as ASHRAE Region II priorities for student activities. The ASHRAE Student Design Competition was also mentioned as a method of engaging Undergraduate engineering students. Elizabeth also promoted Lucy's Engineering Adventure for K-3 students.

Raffle tickets were sold to win four RedBlacks tickets donated by Clément Marchand. The raffle generated \$340 for ASHRAE Research. Following this, President Ryan Dickinson announced the program topic for the evening, Strategies to Decarbonize Buildings Across the World, presented by Anna Harman from JLL.

To start the presentation, Anna acknowledged the multi-disciplinary nature of decarbonization and the ESG-related drivers for decarbonization. Gen-Z was noted as being a driver of emission expectations as they transition into the workforce. ESG and global emission trends were displayed and discussed. The presence of multiple interpretations of net-zero was also discussed and a definition to work off for the presentation was provided. Residual emissions were also defined as remaining emissions after all possible on-site measures have been exhausted. Scope 1, 2, and 3 operational emissions were defined as follows:

1. Direct emissions from on-site combustion;
2. Indirect emissions from off-site combustion (e.g., natural gas-based electricity generation);
3. Emissions related to assets, investments, and other more difficult applications to quantify.

Embodied carbon in construction material production was also identified as something important to track. Operational and embodied carbon make up 66% and 34% of all lifecycle emissions respectively. Energy conservation, fuel switching, and deep retrofits were identified and discussed as approaches to get to zero carbon that could be applied to pathway analyses. Anna closed off the presentation by presenting a case study demonstrating the application of a decarbonization pathway analysis. The Q&A session brought attention to the complicated situation with respect to the upstream energy sources for electricity conversion when considering electrification. Incentivization was also highlighted by the participants as a requirement to enable decarbonization.

To close, President Ryan Dickinson thanked Anna Harman. Ryan also reminded the audience about the Wednesday November 16<sup>th</sup> bowling social and the post-meeting survey. The next meeting is scheduled for November 15<sup>th</sup> at the Centurion Conference and Event Center.

Rod Lucefield P.Eng. LEED® AP  
Engineering Sales  
[rod.lucefield@hts.com](mailto:rod.lucefield@hts.com)  
C 613.851.1997

HTS Ottawa  
830 Campbell Avenue  
Ottawa, Ontario K2A 2C2  
T 416.661.3400 Ext: 2803  
F 613.728.8032  
Toll Free 1.800.850.0567  
[hts.com/ontario](https://hts.com/ontario)



**Jim Evenson** P.Eng., ing., LEED AP  
Associate,  
Chief Mechanical Engineer

[www.jlrichards.ca](http://www.jlrichards.ca)

[jevenson@jlrichards.ca](mailto:jevenson@jlrichards.ca)  
T 343 804 4385  
C 613 222 7209

J.L. Richards & Associates Limited  
343 Preston Street, Tower II  
Suite 1000, 10th Floor  
Ottawa, ON Canada K1S 1N4



## Jp2g Consultants Inc.

Mark MacIsaac, P.Eng.  
Mechanical Team Lead

1150 Morrison Drive, Suite 410  
Ottawa, ON K2H 8S9  
Tel.: 613.828.7800 x.213  
Cell: 613.697.4721  
Email: [markm@jp2g.com](mailto:markm@jp2g.com)



# Membership Update

Hello OVC Members! I hope you are all enjoying this warm fall we have been having so far this year. As we are getting deeper into the ASHRAE year, I want to highlight a few benefits of your membership:

1. Monthly [ASHRAE Journal](#) and quarterly [HPB Magazine](#).
2. Qualifying members may select to receive one complimentary ASHRAE Standard (PDF) or the upcoming ASHRAE Handbook (PDF), annually.
3. Automatic 25% discount in the [Bookstore](#).
4. Access to the [ASHRAE Technology Portal](#), offering Journal Articles, Research Reports, Transaction Papers, Conference Seminars, ASHRAE Handbooks, and more.
5. Eligible first-year new members receive complimentary one-year subscription to [Handbook Online](#) which includes all four of the most recent ASHRAE Handbooks.
6. Access to thousands of research reports available from [Science and Technology for the Built Environment](#).
7. [Discounted subscription to complete online library from the Institute of Refrigeration \(IOR\)](#).

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

- ◆ Angus Wood
- ◆ Rob Barbe
- ◆ Santinah Green-Mignacca (student)
- ◆ Bhavneet Singh
- ◆ Mustafa Saleem Zaidan
- ◆ Craig O'Brien (student)
- ◆ Tresor Lukanzu Kapend (student)
- ◆ Feras Mohamed Shaab (student)

Welcome to our Chapter! I will see you all at the next ASHRAE Meeting in a few weeks.



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

E-mail: [elizabeth.primeau@totalhvac.com](mailto:elizabeth.primeau@totalhvac.com)

 <p><b>Chris Harrison</b> President</p> <p>chrish@longhill.ca Phone and cell option 613-226-3856 ext. 24 Fax: 613-226-2715 124 Fleas Rd., Ottawa, Ontario K0A 1L0 <a href="http://www.longhill.ca">www.longhill.ca</a></p> <p>The Energy Conservation People</p>	 <p><b>Benjamin Moore, P.T.</b> Regional Sales Director Eastern Ontario &amp; Western Quebec Applied, Commercial, Heating, Ventilation &amp; Engineered Sales bmoore@master.ca</p> <p>T 613-829-2816 #41118 C 613-324-3087 F 613-829-3731 1 866-429-1977</p> <p>The Master Group 25H, Northside Road Ottawa (Ontario) K2H 8S1</p> <p>MASTER.CA</p>	 <p><b>Sylvain Chenier, P. Eng., ing.</b> Associate Partner – Mechanical Sylvain.Chenier@mckeeottawa.ca</p> <p>1785 Woodward Drive Ottawa, ON K2C 0P9 CANADA Tél.: (613) 723-9585 x128 Fax.: (613) 723-9584 <a href="http://www.mckeeottawa.ca">www.mckeeottawa.ca</a></p>
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# News Update

## ASHRAE, IBPSA-USA Wrap Up Successful Building Performance Analysis Conference

Building better buildings while pursuing low carbon strategies was the focus of the 2022 Building Performance Analysis Conference and SimBuild, co-organized by ASHRAE and IBPSA-USA.

The two-and-a-half-day conference, held from September 14-16 at the Palmer House Hilton in Chicago included keynotes, paper sessions, seminars, vendor demonstrations, panel discussions and debates from more than 100 presenters. The conference drew 265 building industry professionals in addition to a strong virtual audience.

"The transition to low-carbon building solutions is presenting our industry with a significant opportunity to share practical outcomes of modeling and simulation strategies that come out of the Building Performance Analysis Conference on a wider scale," said 2022-23 ASHRAE Treasurer Dennis Knight, P.E., Fellow ASHRAE. "We all benefited from the collective expertise of this year's conference presenters and the focus on 'better buildings, less carbon' is at the core of how to proactively tackle the challenges of achieving sustainability and establish climate-friendly, integrated building systems to serves all people."

Find out more here:

[ASHRAE, IBPSA-USA - BUILDING PERFORMANCE ANALYSIS CONFERENCE](#)



**Committee Chair**  
**Elikem Wotortsi**  
2022-2023 OVC  
CTTC Committee  
**Stantec**

E-mail: [elikem.wotortsi@stantec.com](mailto:elikem.wotortsi@stantec.com)

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# ASHRAE OVC Bowling Social

Hi Everyone,

Thanks to those whom have registered a team for our upcoming 2022 ASHRAE OVC Bowling Social which will be held on Wed., Nov. 16, 2022, at the Merivale Bowling Centre (1916 Merivale Rd, Ottawa, [www.merivalebowlingcentre.com](http://www.merivalebowlingcentre.com)).

It is certain to be a fun time, and many of us are very much looking forward to this social event to catch-up with our ASHRAE friends and family. Can't wait to see how the evening unfolds...will O'Dell & Associates or Ainsworth reclaim the coveted champion title, or will the new ASHRAE Exec defend the title? Stay tuned to next month's bowling recap article to find out!



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

E-mail: [abbey.saunders@nrc-cnrc.gc.ca](mailto:abbey.saunders@nrc-cnrc.gc.ca)



**CURTIS BOYCE, P.ENG**  
Director of Operations | Major Projects

Telephone. 613-591-7505  
Email. [cboyce@modernniagara.com](mailto:cboyce@modernniagara.com)  
Website. [www.modernniagara.com](http://www.modernniagara.com)



**Joe Della Valle, C.E.T.**  
Manager, Mechanical Sales & Engineering  
[jdellavalle@odellassoc.com](mailto:jdellavalle@odellassoc.com)

Cell: 613-897-6604  
Tel: 613-225-9774  
ext. 254

24 Gurdwara Rd.  
Nepean, ON K2E 8B5

[www.odellassoc.com](http://www.odellassoc.com)



**Stéphan Riffault, P.Eng.**  
Branch Manager

2310, St-Laurent Blvd., Unit 203  
Ottawa (Ontario) K1G 5H9  
613 565-2129, ext. 2128

[sriffault@regulvar.com](mailto:sriffault@regulvar.com)  
[www.regulvar.com](http://www.regulvar.com)

# 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, two to three dollars are invested in research, here in Canada.

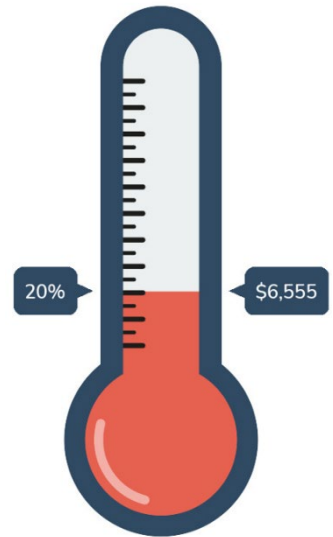
**E-mail:** [cbaribeau@bpa.ca](mailto:cbaribeau@bpa.ca)

I would like to introduce the 2022-2023 RP Campaign Team: Adrienne Mitani, Mike Swayne, Evans Mutua and Jayson Bursill.

**GOAL: \$32,000**

Thank you to Clément Marchand for their generous donations of Redblack tickets that raised \$340 towards Research Promotion from the October meeting.

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. My contact details are below, and I will gladly make arrangements to pick up any cheques if needed.

Celine Baribeau  
 2022-2023 ASHRAE RP Chair  
 1960 Robertson Rd, Bells Corners  
 Ottawa ON, K2H 5B9  
[cbaribeau@bpa.ca](mailto:cbaribeau@bpa.ca)

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
<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
<b>Special Thanks to the following donors for their contribution:</b> David Michelin Patrick OMeara Chris Brown		

# Student Activities

In October we saw a number of student membership renewals as well as new memberships. We established a Student Branch point of contact at Carleton University and have already started planning events. In November we will have our Distinguished Lecturer do 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.



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

E-mail: [noahg@longhill.ca](mailto:noahg@longhill.ca)

## ASHRAE Scholarships are **STILL** available!

**\$3,000 - \$10,000**

### Annual Application Deadline: December 1

Scholarships are awarded for the academic year following the application deadline beginning with the fall semester. Re-applications accepted from former scholarship applicants and recipients who meet current criteria.





#### Criteria:

Scholarships are awarded to undergraduate engineering or pre-engineering students who are enrolled full-time in a post-secondary educational institution and pursuing a Bachelor of Science or Engineering degree in a course of study that traditionally has been a preparatory curriculum for the HVAC&R profession. Applicants must have a cumulative college Grade Point Average (GPA) of at least 3.0 on a scale where 4.0 is the highest and/or a class standing of no less than the top 30% and meet at least one of the following criteria:

- ◆ the institution hosts an active ASHRAE Student Branch or
- ◆ the program is accredited by the Accreditation Board for Engineering and Technology (ABET) [www.abet.org](http://www.abet.org) or
- ◆ the institution is accredited by an equivalent agency outside the USA that is a signatory of the Washington Accord or
- ◆ the institution has a signed Memorandum of Understanding with ABET
- ◆ For a list of eligible schools or accredited programs recognized by ASHRAE for the purpose of granting a scholarship, click the links provided above. Contact Lois Benedict at [lbenedict@ashrae.org](mailto:lbenedict@ashrae.org) or call 678-539-1120 (direct) with questions.

Visit the ASHRAE website for more information:

<https://www.ashrae.org/communities/student-zone/scholarships-and-grants/undergraduate-engineering-scholarships>

 <p><b>Elaine Guenette</b> P.Eng., LEED AP Principal E <a href="mailto:Elaine.Guenette@smithandandersen.com">Elaine.Guenette@smithandandersen.com</a> D 6136911853 M 3439612244 530 - 1600 Carling Ave., Ottawa ON, K1Z 1G3   T 613 230 1186</p>	<p><b>David Yin</b> P.Eng., LEED AP Principal, Buildings Senior Mechanical Engineer 300-1331 Clyde Avenue Ottawa ON K2C 3G4 <a href="mailto:david.yin@stantec.com">david.yin@stantec.com</a> Direct: 613-725-5573 Mobile: 613-323-4964 Fax: 613-722-2799</p> 	 <p><b>Carlo De Luca</b> Regional Sales Manager t 800 561 3449 c 514 806 9217 e <a href="mailto:carlo@tamcodampers.com">carlo@tamcodampers.com</a></p> 
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## ASHRAE Ottawa Chapter Scholarship - \$3,000

Available to a qualified undergraduate mechanical, architectural, sustainability, or building science engineering or engineering technology student enrolled full-time at a post-secondary educational institution within the ASHRAE Ottawa Valley Chapter or Canada's National Capital Region, including the following:

- ◆ Carleton University
- ◆ University of Ottawa
- ◆ Algonquin College
- ◆ Cegep de L'Outaouais

Applications and the following documents must be submitted on or before the application deadline to receive consideration.

1. Official transcript of grades (college freshmen whose grades are not available by the application deadline must submit an official transcript of high school grades and verification of enrollment in a post-secondary educational institution). Transcript must be mailed. Photocopies will not be accepted.
2. Three signed letters of recommendation as follows: one from an instructor or faculty advisor, a current or past employer, and another character reference (other than a family member). In cases where the institution has an ASHRAE student branch on campus, a letter from the faculty advisor of that branch may be one of the three letters of recommendation.

 <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: stevem@totalhvac.com W: www.totalhvac.com</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 gjones@trane.com www.trane.com</p> 	 <p><b>Chris Brown</b></p> <p>Tel: 613.225.9774 Fax: 613.225.0673 e-mail: chrisbrown@walmart.net www.walmart.net 24 GURDWARA ROAD, NEPEAN, ONTARIO K2E 8B5</p>
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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 City of Ottawa newsletter to receive email updates. We recommend Better Buildings Ottawa, City Builders, and Climate Change, but there are many more to choose from. Sign up [here](#).

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

## Global Zero-Carbon Electricity Generation Set to Increase Seven Percent This Year

Multiple reports show a worldwide milestone – wind and solar investment is set to outpace oil and gas drilling. The International Energy Agency (IEA) also projects the renewables will generate more power than coal in the U.S. in 2023, attributed to the falling costs associated with solar and wind energy. Around the world, China’s carbon dioxide emissions are down 2 percent, European emissions increased by 4 percent, and U.S. emissions increased by 1.5 percent. However, the IEA is still projecting a 7 percent global increase in zero-carbon electricity generation this year.

## Greece Runs Entirely on Renewable Energy for the First Time

On October 7, for a period of approximately 5 hours, the country of Greece ran entirely on renewable power, reaching a record high of 3,106 megawatt-hours. Renewable energy currently accounts for 46% of Greece’s power mix in 2022, which is a slight increase over 42% in 2021.

## City of Chicago Releases Recommendations from Building Decarbonization Working Group

On October 13, Chicago, Illinois Mayor Lori Lightfoot announced the recommendation report from the Chicago Building Decarbonization Working Group. This working group was tasked with identifying policies to reduce fossil fuel use, improve building energy use and performance, and equitably advance decarbonization for all residents. The report includes 26 strategies to achieve these goals. The full report can be found [here](#).

## Lack of Transformers Slows Grid Improvement

There is a rising concern from utilities about limited access to transformers due to the ongoing shortage – currently there are only eight companies capable of producing the large, high-voltage grid transformers. Public power and cooperative utilities are also concerned about the production of smaller transformers, as indicated by the letter sent to US Energy Secretary Jennifer Granholm asking for funding to boost domestic production. To achieve President Biden’s goal of a decarbonized grid by 2035, both generation capacity and line capacity will likely need to triple as will the workforce. The American Public Power Association, the National Rural Electric Cooperative Association, and the National Rural Electric Cooperative Association called on the Department of Energy to provide \$220 million for a wage subsidy program needed to expand the workforce.

# 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>

<b>Yorkland Controls</b>	<b>Vinodh Lakshman</b> Regional Sales Director <a href="mailto:vin@yorkland.net">vin@yorkland.net</a>		
<b>ENVIRONMENTAL SOLUTIONS</b>	1050 Baxter Rd, Unit 6A Ottawa, ON K2C 3P1 <a href="http://yorkland.net">yorkland.net</a>	m. 613-880-8188 f. 613-721-4906 tf. 877-733-3833	
 <b>WILES-LEGAULT.COM</b> HVAC CONTROLS	1260 Old Innes Rd, Unit 605 Ottawa, ON K1B 3V3	t. 613-747-1867 f. 613-745-6042 tf. 800-720-7757	

# 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>

# 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 **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/9711/index.php?m=eventSummary>

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.



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

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



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

**Publicity**  
**Rod Lancefield**  
2022-2023  
OVC Publicity Committee  
Co-Chair  
**HTS Engineering Ltd.**

# 2022-2023

## President

Ryan Dickinson

## President-Elect

Celine Baribeau

## Treasurer

Evans Mutua

## Secretary

Jayson Bursill

## Governors

Matt Moore

Mike Swayne

Josh Bourbonniere

Trevor Thomson

## Past President

Adrienne Mitani

## Committees

### Attendance

Celine Baribeau

### Audit

Adrienne Mitani

### Capital

## Communiqué

Pat Melville

### CRC

Jayson Bursill

Donald Weekes

Connor Ruprecht

### CTTC

Elikem Wotortsi

### GAC

Celine Baribeau

### Financial

Evans Mutua

### Greeter

Mike Swayne

### History

Mark Korodetz

## Membership

### Promotion

Elizabeth Primeau

## Nominations &

### Awards

Steve Moons

Abbey Saunders

### PAOE

Celine Baribeau

### Program

Elikem Wotortsi

### Publicity

Samir Elchamaa

### Research

### Promotion

Celine Baribeau

## Special Events

Colleen Fox

Rod Lancefield

Abbey Saunders

Trevor Thomson

## Student Activities

Noah Goddard

### Tabletop

Connor Patterson

### YEA

Jeremy Strong

### Website

Samir Elchamaa