



**DATE:** Tuesday October 18<sup>th</sup>, 2022  
16:30 – 21:00 Hrs EST

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

**PROGRAM:** Strategies to Decarbonize Buildings Across the World

**DESCRIPTION:**

Buildings generate nearly 40% of annual global energy-related CO<sub>2</sub> emissions, with the operations of buildings responsible for 28% annually. Our industry is shifting quickly from an “energy-reduction” mentality to decarbonization, and we are at the forefront of this movement.

This presentation will touch on the basics of greenhouse gas emissions and global trends, setting the context for the main discussion on decarbonization strategies for building portfolios. Integrating carbon forecasting into existing asset management cycles provides critical data for enabling strategic investment decisions to reduce carbon emissions and ultimately to achieve carbon neutrality across a portfolio. Outlining actionable implementation strategies to achieve decarbonization can bridge the gap between current portfolio realities and achieving future targets. Referencing experience managing projects for building portfolios across Canada and around the globe, this learning opportunity will use case studies to discuss strategies for identifying priority buildings as well as the challenges, opportunities, and regional considerations for decarbonization around the world.

As energy management experts, each of us has a unique role to play in the decarbonization of our built environment. The goal of this presentation is to initiate conversations on how we can work together to reduce global emissions effectively and efficiently.

**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 2 – October 18<sup>th</sup>, 2022](#)

[Technical Tour Zibi Plant - October 18<sup>th</sup>, 2022](#)

## October Meeting Agenda

- 2:00PM-3:30PM Zibi Community Utility Plant Tour  
Presented by: Scott Demark - President and CEO - Zibi Community Utility  
Phil Gauthier – Partner - Eequinox
- 4:30PM-5:30PM Tech Session  
Topic: Navigating Decarbonization in HVAC System Design  
Speaker: Robert W. Clements, P.Eng
- 5:30PM-6:30PM Social Hour
- 6:30PM-7:30PM Dinner
- 7:30PM-9:00PM Strategies to Decarbonize Buildings Across the World  
Presented By:  
Anna Harman, PMP, EIT

### Zibi Community Utility Plant Tour

Zibi is unique new development of 4,000,000 square feet of residential and commercial buildings on 34 acres of former industrial lands in downtown Ottawa and Gatineau. Zibi aims for the One Planet certification, which includes a commitment to net-zero carbon. To achieve this in Ottawa's challenging climate, all buildings will be connected to a zero-carbon district energy system that uses waste industrial heat in winter from the neighbouring papermill and the adjacent river for heat rejection in summer. The heating network is a low temperature water at 45°C produced by centralized high efficiency heat-recovery chillers. The tour will include a brief overview of the community, and then a walk-through of the district energy plant with the CEO of the company, and the design engineer.

There is no protective gear required, and there is paid parking available, although carpooling is encouraged. The tour is planned to run between 60-90 minutes, with sufficient time to get to the Program meeting.

### Tech Session Speaker: Robert W. Clements, P.Eng.

Rob is a Mechanical Engineer and has worked in the HVAC industry since graduating from the University of Nairobi, Kenya in 1982. He has held senior positions with Siemens, Trane, S.A. Armstrong, Swegon/Vibro-Acoustics and Temspec over this 40-year career. His interest in sustainable energy dates back to 1982 Kenya where he designed a methane gas incubator for the cafeteria cooking stoves at the university and developed a river powered hydraulic ram pump for coffee plantation irrigation. Both systems are operating to this day using only renewable energy.

Rob's passion for sustainable HVAC design, IAQ, Passive House, and zero net energy buildings has continued over his career. His strong systems background coupled with his passion for energy conservation gives a unique perspective to his presentations.

Rob is an active member of ASHRAE and AHRI and is the Director of Sales of Marketing for Temspec Inc.



### Speaker: Anna Harman, PMP, EIT

Anna is a Canadian leader in carbon reduction solutions for buildings and a recipient of the AEE 2021 Young Energy Professional of the Year award. Anna has previously focused on guiding Government of Canada clients to net zero carbon. She was a key contributor to the development of plans to avoid over 18 million tons of CO<sub>2</sub>e emissions in over 1000 buildings across Canada. Anna has led the development of holistic sustainability and carbon reduction strategies across Canada as well as internationally.

Outside of work Anna is actively involved in programs to assist young people of all backgrounds in their exploration of climate change, social entrepreneurship, and sustainable living. She additionally co-founded a volunteer committee aimed to foster a sustainable workplace and surrounding community.



Anna has recently joined JLL Canada in the capacity of Senior Decarbonization Advisor. In this role she is continuing to expedite her mission to extend her efforts beyond Canada and bring together a network of leaders internationally who will work together to curve the effects of climate change.

# President's Message

With the 2022-23 ASHRAE season underway, I would like to thank everyone who joined us at the Lago Bar and Grill for our September meeting. We had an incredible turnout with over 70 people registered, so I would like to thank all our members and guests who were able to attend and for continuing to support our chapter. I would also like to thank our speaker, Derek Rutherford, for his fascinating presentation on the Centre Block Rehabilitation Program and for updating us on the progress they've made over the last few years.



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

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

The two raffle prizes for the evening – generously donated by Ainsworth – raised \$660 for ASHRAE Research Canada. Thank you, Ainsworth, for your donation and thank you to everyone for supporting our Research Promotion campaign.

Our next meeting will be taking place on Tuesday October 18th at the Centurion Centre. Our speaker is Anna Harman, who will be presenting on decarbonization strategies for building portfolios. It's looking to be a very interesting and relevant topic for designers, engineers, building owners and operators.

This month's theme is Students, and with that in mind, I would like to encourage all students to attend. Furthermore, I would like to encourage our regular members to consider sponsoring a student meal. Students are the future of our industry and chapter, and it is our privilege to be able to provide students with opportunities to network and learn more about how ASHRAE contributes to the advancement of our industry.

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 October meeting.

Ryan Dickinson  
 2022-2023 OVC President

<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><i>Mark Csiffary P.Eng.</i>          President</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: +1 905-712-9124          gordon.inспен@ca.belimo.com          www.belimo.ca</p> <p><b>Gordon Inкpen</b>          District Sales Manager - Eastern          Canada, Atlantic &amp; Ottawa</p>
<p><b>ENGINEERING PERFORMANCE...</b></p> <p>... mechanical, electrical,          building automation, environmental, ...</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>Danny Dillon, MBA, GSC</b>          President &amp; CEO</p> <p>E: Danny.Dillon@DILFO.com          T: 613.741.7731   C: 613.880.8504          1481 Cyrville Road, Ottawa, ON K1B 3L7</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: bmackay@gpainc.ca</p>

# What You Missed



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

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

The first program meeting of the 2022/2023 OVC ASHRAE season was held on September 20th, 2022, at Lago Bar and Grill and had 62 members and 12 guests attend. The theme of the meeting was Membership. The program for the evening was the Centre Block Rehabilitation Program (CBRP) – A Unique Approach to Building Servicing and Design Delivery presented by Derek Rutherford. Bill Anderson from Bascon Control Technologies Inc. provided a tabletop display for the evening. Dinner was banquet style service of a starter tomato and pesto cream salad, roast chicken with vegetable accompaniment main, and a fruit-topped cheesecake for dessert.

President Ryan Dickinson called the meeting to order and provided a recap of summer events and news. President Ryan Dickinson also thanked all of the local volunteers for their contributions and introduced the Executive, Board of Governors, and Chapter Chairs and Volunteers. Secretary Jayson Bursill introduced the guests for the evening. MP Chair Elizabeth Primeau talked about how you can do more for ASHRAE. This included participating in technical committees and continued education through the ASHRAE Learning Portal. If anyone is looking to help out with committees, there are plenty of opportunities for networking and personal growth. Elizabeth also introduced the new members that joined our Chapter over the summer. President Ryan Dickinson thanked the chapter for the resounding success of last year's Research Promotion campaign. Celine Baribeau, President-Elect, and Research Promotion Chair thanked everyone for their incredible generosity over the past few years. All the money donated comes back into Canadian Research projects. Joe Della Valle talked about the stroke play golf tournament held on September 16th.

Raffle tickets were sold to win four Club level RedBlacks tickets donated by Ainsworth. Following this, President Ryan Dickinson announced the program topic for the evening, the Centre Block Rehabilitation Project (CBRP).

To start the CBRP presentation, Derek Rutherford introduced himself and noted that Jim Mills (his co-presenter) was unable to attend due to illness. The 70th anniversary of the Ottawa Valley Chapter and the recent passing of Queen Elizabeth II were highlighted in the introductory slide of the technical presentation to commemorate these noteworthy events. This tied well into the historical considerations of the CBRP project that were highlighted.

Long term resilience and adaptability was emphasized, particularly with respect to functional usage changes and climate change. Sustainability and energy efficiency are paramount to the project. The following items were also highlighted: distribution infrastructure and enhanced connectivity. The idea of connectivity extended beyond just cabling, and into the new underground visitor welcome centre that will be a primary point of engagement for the public.

Full mechanical ventilation required by code in a space that was not initially architecturally designed for it was cited as a major challenge for the project. Distribution piping had to work around historical terracotta tiling and not interrupt the material. Any historical material that was interrupted has to be stored brick-by-brick and restored to its original location. For the ventilation system to meet the rigorous demands, a top-down/bottom-up approach was used to minimize distribution sizing. To do this, a new service line had to be constructed on the upper portion of the building in addition to the existing lower system. The Mechanical, Electrical, and Communication (MEC) BIM modeling was showcased to demonstrate the tightness of the rehabilitation approach. This included office-level demarcation in the model. Existing fireplaces and chimney stacks are also being used for relief air to the roof.

The integrated design process, which included Owner, Designer, and Builder, was also discussed. This included the need to manage unpredictability and onboard construction management and MEC trades as rapidly as possible once bids are won. BIM was identified as a fundamental tool for success in the integrated design process to unite the design silos.

Derek closed off the presentation with a virtual walkthrough of the site. President Ryan Dickinson thanked Derek Rutherford. The next meeting is scheduled for October 18<sup>th</sup> at the Centurion Conference and Event Center.



# Membership Update

Happy fall! The season of pumpkins and sweaters is now upon us. I would like to offer a very warm and cozy welcome our new members:

- ◆ Hamnid Fallah
- ◆ Mitchell Geis
- ◆ Pedro Granes (student)
- ◆ Yuanlong Xia (student)



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

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

I would also like to highlight two new programs that have been implemented by ASHRAE Society this year:

- 1) Companies who submit 5 or more applications (not online) for new full dues paying Full Member or Associate members, may take 10% off the total amount due. If your company wants to take advantage of this, please send me an email to get started.
- 2) New members get one free registration to attend either the [Annual or Winter Conference](#) to use within the first 24 months of membership. The next opportunity to take advantage of this is at the Atlanta Winter Conference upcoming in early February 2023.

Please reach out to me if you have any questions about your membership or just ASHRAE in general. I am always happy to chat!

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# News Update

Registration is now open for the [2023 ASHRAE Winter Conference](#), February 4-8 in ASHRAE's global headquarters city, Atlanta, Georgia. Registration for the conference provides entry to the co-sponsored [AHR Expo](#), held February 6-8 at the Georgia World Congress Center.

"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."

Find out more here:

<https://www.ashrae.org/about/news/2022/register-early-for-the-2023-ashrae-winter-conference-in-atlanta>



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

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# CTTC Tech Awards

Have you recently completed an innovative project, incorporating modern design practices, or using cutting edge technology? Do you want to showcase your work in front of the chapter, the region, or the society, and possibly be published in the ASHRAE Journal & HPB Magazine? Do you want to increase recognition of your Project team, your firm, and yourself within the industry?



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

## Then consider applying for a CTTC Award!!

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

To get started, you can complete the short-form application. This form is quick & easy to complete and enters your project into the Chapter competition. This also makes you eligible for Regionals.

If you already know you want to go all the way to the Society awards, then consider filling out the long-form submission. Keep in mind you can always upgrade your application to a long form if you decide to take your project up to Society level at a later date.

**FYI:** A project that you recently completed (August 2022) will have collected the mandatory 1-year of data by the time it is eligible for Society consideration in next year's awards. So, consider applying now while it's still fresh in your mind!

If you want to learn more about the awards, see last year's winners, or download the forms to enter your project, check out the society page at the link below:

<https://www.ashrae.org/membership/honors-and-awards/technology-awards-program>

Once you've completed your application forms, submit them to either Elikem Wotortsi ([elikem.wotortsi@stantec.com](mailto:elikem.wotortsi@stantec.com)) or David Eckel ([deckel@gwal.com](mailto:deckel@gwal.com)). The deadlines for chapter, regional, and society applications will be confirmed in the new year.

David Eckel  
CTTC Co-Chair  
GWAL  
E-mail: [deckel@gwal.com](mailto:deckel@gwal.com)

<p><b>Jp2g Consultants Inc.</b> Mark MacIsaac, P.Eng. Mechanical Team Lead</p> <p>1150 Morrison Drive, Suite 410 Ottawa, ON K2H 8S9 Tel.: 613.828.7800 x.213 Cell: 613.697.4721 Email: markm@jp2g.com</p> 	 <p><b>Chris Harrison</b> President</p> <p>chhish@longhill.ca Phone and cell option: 613-226-3856 ext. 24 Fax: 613-226-2715 124 Reus 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 MASTER.CA</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>	 <p><b>MODERN NIAGARA</b> Design. Build. Service.</p> <p><b>CURTIS BOYCE, P.ENG</b> Director of Operations   Major Projects</p> <p>Telephone: 613-591-7505 Email: <a href="mailto:cboyce@modernniagara.com">cboyce@modernniagara.com</a> Website: <a href="http://www.modernniagara.com">www.modernniagara.com</a></p>	 <p><b>Joe Della Valle, C.E.T.</b> Manager, Mechanical Sales &amp; Engineering <a href="mailto:jdellavalle@odellassoc.com">jdellavalle@odellassoc.com</a></p> <p>Cell: 613-897-6604 Tel: 613-225-9774 ext. 254</p> <p>24 Gurdwara Rd. Nepean, ON K2E 8B5 <a href="http://www.odellassoc.com">www.odellassoc.com</a></p>

# Research Promotion



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

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

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.

Thank you to Ainsworth Inc. for their generous donations of RedBlack tickets that raised \$660 towards Research Promotion from the September 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 2018-2019 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  
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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
<b>Major Donor Bronze</b> \$500 - \$999	<b>Major Donor Antique</b> \$250 - \$499	<b>Honor Roll Individuals</b> \$100 - \$249
Ainsworth	Joel Primeau	Abbey Saunders Micheal Swayne
<b>Special Thanks to the following donors for their contribution:</b> David Michelin		

# Student Activities

**ASHRAE Scholarships are 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.



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

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

## **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>

## **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.



# Diversity in ASHRAE

## Diversity, Equity, and Inclusion (DEI): Resources

The DEI ASHRAE subcommittee has many resources available on the topics of Diversity within the HVAC industry. From book clubs, to podcasts, learning about DEI can be very accessible. I recommend taking the time to tune in on your next commute. Here are some resources from ASHRAE:



**Committee Chair**  
**Marlee Spiegelberg**  
2022-2023 OVC  
Diversity Committee  
**Condair Ltd.**

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### Podcast

#### **ASHRAE Journal Podcast, Episode 9 - Uncovering Unconscious Bias in the HVAC&R Industry**

<https://www.ashrae.org/news/ashraejournal/ashrae-journal-podcast-season-2-episode-2>

Also available on Spotify, Apple Podcasts, Google Podcasts, Podcast Addict, etc.

### Book Club

The ASHRAE BOD DEI Advisory Subcommittee hosted its 1st Book Club session on September 23, 2022, at 11:00am ET, to discuss New York Times Best Seller, Blind Spot-Hidden Biases of Good People by Mahzarin R. Banaji and Anthony G. Greenwald. If you would like information about the next session, please send an email to [tmlisle@ashrae.org](mailto:tmlisle@ashrae.org) for details.

### Articles

#### **January 2022 - How emotional intelligence boosts DEI, Productivity and Growth by Karine Leblanc, Member ASHRAE**

<https://www.ashrae.org/news/esociety/how-emotional-intelligence-boosts-dei-productivity-growth>

#### **February 2021 - Finding Your Next New Hire By Julia Keen, P.E., Ph.D., HBDP; and Jessica Mangler, P.E.**

<https://www.ashrae.org/news/esociety/finding-your-next-new-hire>



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# ASHRAE Golf Tournament Recap

This year's annual ASHRAE Stroke Play Golf Tournament was held on September 16th at Metcalfe Golf and Country Club. Although there were clouds in the sky, 32 golfers showed up and were pleasantly surprised with a beautiful day.

Many great scores were submitted, with the 2022 ASHRAE Stroke Play Championship going to **Jason Rafuse** with a low score of 76. A big thank you goes out to all the golfers and prize sponsors, as all the money raised will stay within the Ottawa Valley ASHRAE Chapter. Look forward to seeing you all next year!



**Governor**  
**Josh**  
**Bourbonniere**  
2022-2023 OVC  
BOG  
**TRANE**

E-mail: [josh.bourbonniere@trane.com](mailto:josh.bourbonniere@trane.com)

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# ASHRAE Bowling Social

Hi Everyone,

A reminder that the 2022 ASHRAE Bowling Social will be held on **Wed., Nov. 16, 2022**, at the Merivale Bowling Centre (1916 Merivale Rd, Ottawa, [www.merivalebowlingcentre.com](http://www.merivalebowlingcentre.com)).

The format for the evening will be similar to previous years with three games and four people per lane. We will have a 7pm start, so please arrive around 6:45 to pick-up shoes, check-in and get lane assignments.

The entry fee is \$250 per foursome, or \$75 per individual. Individual participants will be assigned into groups of four. Registration fees will include a warm-up, three games, shoe rental and plenty of pizza, wings, and other munchies.

As in the past, this social event is intended to promote the camaraderie of ASHRAE, please considering attending. Participation space is limited, so please register soon! We can expand to more lanes if interests requires, but we must have sufficient notice to do so. Should you have any questions, or require additional information, please do not hesitate to contact me.

Looking forward to this evening of fun and hope to see you there!



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**Abbey Saunders**  
2022-2023 OVC  
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E-mail: [abbey.saunders@nrc-cnrc.gc.ca](mailto:abbey.saunders@nrc-cnrc.gc.ca)

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# Government Affairs

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

ASHRAE Decarbonization Task force has released some new information.

Check it out here: [Resources and Documents](#)

## Energy Efficiency Day

Energy Efficiency Day is October 5, 2022. It is a day dedicated to recognizing the importance of cutting energy waste, implementing energy efficiency, and other clean energy policies and programs, which can create economic opportunities and jobs while moving toward a sustainable future. As an annual event, ASHRAE urges elected officials to recognize this occasion with official proclamations and resolutions. To learn more about how to engage with your elected officials and for sample proclamations and cover letters, including proclamation templates for jurisdictions outside the U.S., ASHRAE members can visit the Proclamation Toolkit section of the ASHRAE website.

## City of Victoria, Canada Requires Zero-Carbon New Construction by 2025

Mayor Lisa Helps of the City of Victoria in British Columbia, Canada recently announced that nearly all new construction in Victoria, including single family homes, will be required to be zero carbon by 2025. This puts the City of Victoria 5 years ahead of provincial requirements, with British Columbia's ban on fossil fuels in new construction starting in 2030. The province will also be announcing new building code guidelines later this year. In the City of Victoria, buildings account for nearly 50% of all greenhouse gas pollution. This requirement for new buildings is part of a larger plan for the city to move to 100% renewable energy by 2050. The City Councils for the neighboring cities of Saanich and Central Saanich are also considering similar bans.

## Australia Codifies Goal of Reaching 43% Greenhouse Gas Reduction

Following passage in the Senate, Australia has placed into law a goal of reducing greenhouse gas emissions by 43 percent compared to 2005 levels by 2030. While proposed emission reductions ranged between 26 and 75 percent, the majority were able to reach an agreement on 43 percent. Climate Change and Energy Minister Chris Bowen hopes this provides certainty and interest in clean energy investments.

## E.U. Energy Ministers Release New Response to Energy Crisis

The E.U. is taking new measures to dampen a worsening energy crisis, spurred by the Russian invasion of Ukraine, which is limiting the supply of natural gas to Europe. E.U. energy ministers met in Brussels to discuss "bloc-wide" solutions to raising power costs, which are expected to be packaged and adopted in the coming days. The package could take actions such as capping gas prices, modifying energy exchange rules and coordinating demand reduction for consumers.



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

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## DOE Continues the Better Building Webinar Series

The U.S. Department of Energy (DOE) is continuing its summer series of Better Building Webinars, a platform for professionals to learn about, and address topics and issues facing the building sector. The series invites experts to lead conversations on cost effective, innovate and proven practices in sustainability and energy performance. Recent webinars include the September 8th webinar on the Energy Efficient Pilot Program for Older Commercial Buildings, and the webinar on Strategies for Achieving Zero Energy in Multifamily Buildings on September 13th. If you missed any of the past Better Building Webinars, you can find them here. Below are some of the upcoming webinars open for registration. A full list can be found here. Note: all webinars take place on Tuesdays from 11:00am to 12:00pm ET.

- ◆ [Show Me the Money: Financing Decarbonization Projects](#) (September 27th)
- ◆ [Sustainability And Decarbonization Inside Warehouses and Distribution Centers](#) (October 4th)
- ◆ [Hydrogen 101: The Basics of Hydrogen and Fuel Cells for Buildings and Plants](#) (October 11th)

## Heat pump demand could top 1.5 billion units by 2050

A 1.6-degree global warming scenario forecasted by Rystad Energy indicates global heat pump demand could rise to 450 million units by 2030, more than doubling the present-day demand of 190 million. As energy demand reduction and efficiency improvements receive more attention and investment, heat pump demand could reach as high as 1.5 billion units by 2050. The enthusiasm behind heat pumps is generated from their unique ability to make use of warm air during winter temperatures, and cool air during higher temperatures. Heat pumps are considered one of the drivers toward building decarbonization, largely because of their ability to satisfy residential heating requirements which account for around 10 percent of the total global energy demand.

Are you interested in getting involved with Government Affairs committee? Contact Celine or Adrienne to learn more!

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## 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>



# Vanderwesten & Rutherford Associates Inc. – Mechanical Designer

Our firm offers Professional Consulting Engineering services in the Mechanical and Electrical Engineering disciplines to Owners, Architects, and Developers. We have a history of successful design of both small- and large-scale projects, while maintaining excellent client relationships in the institutional, healthcare, municipal, commercial, and industrial industries.

**Position Title:** Mechanical Designer  
**Position Hours:** Full Time- 37.5 hours/week  
**Position Location:** Ottawa, Ontario

Working within multi discipline project teams, the ideal candidate will be an energetic team player that possesses experience in the mechanical design of institutional, healthcare, municipal, commercial and industrial facilities.

In this role, you will be working with a number of our project teams to design HVAC, plumbing and fire protection systems for various building facilities and assisting with the preparation of drawings and other construction documents utilizing AutoCAD/Revit as needed.

## Qualifications:

- Experience in Designing HVAC, Plumbing and Fire Protection Systems for a Variety of Building Facilities
- Completion of a Mechanical Engineering Technology/Technician college program or university degree in Mechanical Engineering, B.Sc.(Eng)
- Familiar with Relevant Codes and Standards
- Proficient with utilizing AutoCAD/Revit
- Strong Communication and Interpersonal skills
- Ability to Work Independently on Complex Engineering Projects
- Ability to Work Effectively in a Team Environment
- Ability to Carry Out Routine Site Surveys and Field Work
- Ability to Liaise with Clients, Contractors, and Local Authorities

## Responsibilities:

- Design HVAC, Plumbing and Fire Protection Systems for a Variety of Building Facilities
- Prepare Mechanical Reports, Contract Documents, Drawings and Specifications
- Coordinate Mechanical Design with Electrical Drawings and Services
- Develop an Understanding of Building Codes, Design Concepts and V&R Standards
- Conduct Site Reviews and Attend Project Meetings with Contractors and Clients as required

## Why V&R?

Competitive compensation and benefit package, and the opportunity to join a medium sized, employee owned, established firm with a history of prioritizing and investing in employee's learning, development, and growth opportunities. Opportunity to join a growing company and team with the ability to be a part of projects of various sizes and complexities. Excellent career and growth opportunity.

To apply email or mail resume and cover letter to:

**Rob van der Westen**  
robvdw@vreng.ca

# 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**  
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