



DATE: Tuesday May 16th, 2023
16:30 – 21:00 Hrs EST

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

THEME: History

Join us as we celebrate our 70th anniversary and past president night!

PROGRAM: NRC Platform to Decarbonize the Construction Sector at Scale

Heike Schreiber will be presenting on the NRC's platform to decarbonize the construction sector at scale and research work under the platform that is specifically related to building operations and electrification.

May Meeting Agenda

4:30PM-5:30PM	Tech Session Topic: TBD Speaker: TBD
5:30PM-6:15PM	Social Hour
6:15PM-6:45PM	Business Session
6:45PM-7:45PM	Dinner
7:45PM-9:00PM	NRC Platform to Decarbonize the Construction Sector at Scale Speaker: Heike Schreiber

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 8 - May 16th, 2023](#)

Heike Schreiber is a Research Officer at the Construction Research Center with **National Research Council of Canada**. She is located in Ottawa, where she leads the research theme of low carbon operations and maintenance in the Low Carbon Built Environment, under the NRC platform to decarbonize the construction sector at scale.

Heike has over 10 years of experience in research related to sustainable energy technologies ranging from heat pumps to solar hydrogen production. At NRC, she led projects on efficient HVAC equipment, including experimental performance investigations and detailed modeling studies.



Heike holds a Doctorate and a combined Master`s and Bachelor`s degree in Mechanical Engineering from RWTH Aachen, one of Germany`s top engineering universities, where she taught courses in Thermodynamics and Renewable Energy Integration. In Germany, she worked as a researcher in Sorption Systems Engineering, designing experiments on thermal heat pumps and energy storage units and modeling thermal energy systems for energy efficiency assessment and feasibility studies in industrial and residential applications.

She is a member of the Association of Energy Engineers (AEE) and the Association of German Engineers (VDI) and is involved in the development of standards and building codes as a member of the Technical Standing Committee CSA JB121.15 for the Canadian Standards Association, voting member on ASHRAE`s SPC40 committee and as an observer and task group member for the Canadian National Building Codes` Standing Committee on Energy Efficiency.

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 ENGINEERING PERFORMANCE... ... mechanical, electrical, building automation, environmental, ... Patrick St-Onge, P. Eng. LEED AP 613-596-6454 bpa.ca 1060 Robertson Road, Suite 100, Ottawa, Ontario, K2H 5B9	 Brevin MacKay Engineering Sales / Account Manager Gorski, Plener and Associates (GPA inc) Ottawa, ON Direct: (613) 218-9686 Office: (343) 488-3000 Email: bmackay@gpainc.ca 	 FRANCIS W.A. BANN, P. Eng. Principal, Senior Mechanical Engineer 813.727.5111 x.224 1688 Woodward Drive 813.229.0445 Ottawa, Ontario K2C 3R8 fbann@gwal.com www.gwal.com

President's Message

Our last meeting was held in April at the Centurion Conference and Event Center with 26 people in attendance. I would like to thank Natasha Brooks for her excellent presentation on Passive Buildings and Phius Certification. I would also like to thank everyone for attending and supporting our Chapter!

The raffle prize for the evening was generously donated by Master Group and raised \$410 for ASHRAE Research Canada. Thank you for your donation and thank you to everyone for supporting our Research Promotion campaign. Our campaign is currently at 92% of our goal this year, and I would like to thank everyone again for their generosity. Every dollar raised in Canada stays in Canada and funds local research and projects.

Our next meeting will be the last for the 2022-2023 ASHRAE year, and we wish to invite all our Past Presidents and their Companions to join us for the evening as we celebrate the 70th anniversary of the Ottawa Valley Chapter. The theme for the month is History, and we will be reflecting on the achievements of our chapter and the individuals who have helped shape it over the years. The speaker for the evening is Heike Schreiber, who will be presenting on NRC's platform to decarbonize the construction sector at scale.

We are also asking all our members in good standing to formally vote on the executive and board of governors for the upcoming 2023-2024 ASHRAE year. Members may vote in person at the May meeting, or for those who are not planning to attend, there is a proxy form included in this month's communique on page 14. Please submit the completed form by **May 15th**.

I would like to thank you all again for your continued support this year. It has been an honour serving as the President of the Ottawa Valley Chapter, and I am very grateful for the support and encouragement that I've received from you all throughout the years. We're all extremely fortunate to be having Adrienne Mitani return for a second year as President, and she is supported by a strong group of volunteers as they prepare for the upcoming 2023-2024 ASHRAE year. I hope everyone enjoys the summer, and I'm looking forward to seeing you all again when our regular meetings resume in September.

Best wishes to you all,
Ryan Dickinson
2022-2023 OVC President



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

E-mail: ryand@vreng.ca

<p>Rod Lancefield P.Eng. LEED® AP Engineering Sales rod.lancefield@hts.com C 613.851.1997</p> <p>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</p> <p> </p>	<p> J.L. Richards ENGINEERS · ARCHITECTS · PLANNERS</p> <p> Platinum member</p> <p>Jim Evenson P.Eng., ing., LEED AP Associate, Chief Mechanical Engineer</p> <p>www.jlrichards.ca</p> <p>jevenson@jrichards.ca T 343 804 4385 C 613 222 7209</p> <p>J.L. Richards & Associates Limited 343 Preston Street, Tower II Suite 1000, 10th Floor Ottawa, ON Canada K1S 1N4</p>	<p>Jp2g Consultants Inc. 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></p>
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2023 George B. Hightower Award Recipient: Gemma Kerr

Carolyn (Gemma) Kerr, Ph.D., Life Member ASHRAE : the perfect volunteer.



**Past
President**
Joël Primeau
2022-2023
OVC

For over 35 years now, Gemma Kerr has been the best example of a volunteer for ASHRAE. She perfectly personifies the characteristics that every great volunteer should have: a fearless approach, near infinite patience, the ability to think creatively, an eagerness to take initiative, humility about her work, a passion and, an ability to work efficiently in teams.

For her tireless efforts in ASHRAE, she was awarded the **George B. Hightower Technical Achievement Award** recognizing her excellence in volunteer service in the area of Technical Committee/Technical Group/Technical Research Group leadership and contribution. The award was presented to Gemma at the Winter Meeting of ASHRAE in February 2023 in Atlanta.

Gemma loves chemistry. She has loved chemistry since high school and studied it all the way to the doctorate level where she got her Ph.D. working on the Chemical Application of Electron Spin Resonance. She found her first job in the built environment with the Architecture and Engineering group at Public Works Canada with the troubleshooting team, where they needed a chemist. She worked with a rather innovative team of scientists interested in the psychology and the comfort of occupants; they were really pioneers in the field of understanding productivity, comfort and the human body. She naturally gravitated toward the field of indoor air quality, making the best use of her chemical background. She was encouraged by a few colleagues, like Gabriel Laszlo, to join ASHRAE and get involved... and get involved she did!

Gemma joined ASHRAE in 1988 and quickly started working on several Technical Committees focusing her efforts on indoor air quality; admittedly, engineers genuinely enjoyed having an actual chemist to tackle the chemistry questions that arose in their work of writing standards, publishing articles, or writing chapters for the ASHRAE handbooks.

In 1991, Gemma left the public service to start her own company with Lan Chi Nguyen Thi, and Inair Environmental was solving IAQ problems for owners, consulting engineers and contractors alike. Inair built an outstanding reputation for solving IAQ problems and the company grew. Remarkably, Gemma did not slow down her work with ASHRAE, both locally and at society level, and in May 1996, she became President of the Ottawa Valley Chapter after having served many years on our board of governors.



The list of Technical Committees that have benefitted from Gemma Kerr's work is impressive. Gemma richly deserves the prestigious award of excellence in technical achievement and volunteerism. She is the perfect volunteer because she is very bad at saying "no" and always ready to do the absolute best work possible. We have to recognize that without the work of technical committees, there really is no ASHRAE. There would be no point in getting together every month if ASHRAE was not underpinned by the shared genius and hard work of volunteers like Gemma.

For many, being recognized with the presentation of the George B. Hightower award might incite the recipient to slow down and recognize that she might have done enough... but not Gemma. She continues to work hard, chairing committees like TC 1.6 starting in July 2023.

During her impressive career at ASHRAE, Gemma Kerr was presented with all kinds of opportunities to lead very publicly at the society level, but she preferred the hard technical work deep in the trenches of TC's. We should all be very grateful indeed that Gemma has rarely said no, and that she still attends loud TC meetings with her friends and colleagues. We can all be especially glad that in her quiet home, with a cup of tea, lit by the glow of her computer screen, Gemma continues to advance the arts and science of HVAC in service to humanity, with humility, passion and diligence.

Thank you, Gemma. You truly are the best among us.

What You Missed

The seventh program meeting of the 2022/2023 OVC ASHRAE season was held on April 18th, 2023, at Centurion Conference and Event Center on Colonnade Road and had 21 members and 5 guests attend. The theme of the meeting was Research. The program for the evening was Phius 101: Introduction to Passive Building and Phius Certification by Natasha Brooks. Ryan McKinnon from O'Dell introduced their tabletop display for the evening. Dinner was buffet style dinner with hummus and pita, couscous salad, mixed vegetables, baked chicken breast with a peppercorn cream sauce, beef bourguignon, pasta, and a dessert bar.



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

E-mail: 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. Secretary Jayson Bursill introduced the guests for the evening. MP Chair and Region II Student Activities RVC Elizabeth Primeau welcomed the four new members this month (including one new student member). Elizabeth also announced the upcoming May 3rd Membership Promotion event at Tailgators. Adrienne Mitani spoke about Research promotion in accordance with the meeting theme. The structure and dollar matching elements of ASHRAE Research was also discussed. Adrienne highlighted how strong our research promotion campaigns have been historically. Governor Trevor Thomson spoke about the CTTC tech awards and the submission extension to April 28th. The CTTC tech awards are a great opportunity to showcase exceptional projects. Nominations Chair Steve Moons discussed the nominations process and announced the upcoming executive and governors being put forth by the committee.

Raffle tickets were sold to win four Ottawa RedBlacks preseason tickets for May 26th. donated by Master Group. The raffle generated \$410 CAD for ASHRAE Research Canada. Following this, President Ryan Dickinson announced the program topic for the evening, Phius 101: Introduction to Passive Building and Phius Certification presented by Natasha Brooks.

The evening program started at 19:17 with a focus on passive building and Phius certification. Natasha first polled the room on their knowledge of passive building certification. She also introduced an overview of what would be discussed in the presentation. Buildings were identified as the biggest source of energy waste in North America and Phius was introduced as not just for residential, but any building.

Passive buildings were defined as buildings that flatten their energy loading. Other benefits of Passive buildings were identified as comfort, affordability, and durability. The first passive buildings (as defined) were built in 1974-1976. The concept was picked up in Germany in 1996. The first building outside of Europe to apply passive building targets was built in 2002, with the first North American standard being unveiled in 2015. Core principles of Phius are:

- Daylighting
- Ventilation
- Air control
- Air tightness
- Thermal control
- Moisture control
- Air humidity control
- Dynamic performance control

Two standards exist in North America:

- Passivhaus International
- Phius

Phius is considered more climate-specific than Passivhaus International. Core tenets of both standards are:

- Comfort
- Carbon footprint
- Cost effectiveness
- Resiliency

Balconies were identified as a significant source of heat loss when they are not thermally separated and end up acting as fins. Air tightness is a very important aspect of passive buildings. The "redline test" is a fundamental test to confirm air tightness that involves a blower door. The Phius 2021 air tightness requirement is 5x lower than IECC. Natasha once tested a building that registered at 30 air changes per hour under blower door testing. Average new builds tend to be around 2 air changes per hour.

Minimizing mechanical systems is also a target of passive building design. In many cases passive and internal gains from the sun and occupant-related loads are sufficient to heat the building in the heating season.

There are four main certification requirements for Phius:

- Space conditioning
- Air tightness
- On site quality control
- Source energy targets

Space conditioning targets were set using cost optimization to avoid excessive diminishing returns. Phius also has stringent quality assurance and quality control targets that include 3rd party inspection. Fun fact: Natasha was the first woman Phius verifier in North America. Phius is growing rapidly. Over 3.4 million square feet are currently certified Phius in North America.

Natasha closed her presentation by presenting some publicly available Phius resources. This included a document database, projects database, information on Phius training, and information on the Phius alliance. From the Q&A:

- LEED was identified as focused on the sustainability and conservation. Phius was identified as focused on energy performance.
- Nova Scotia has rebate opportunities for Passive Building certification.
- Phius cost as a percentage of total project cost reduces as the project scales up (i.e., single unit to multi-unit buildings). Energy costs can be as low as \$200-\$300/yr per dwelling.

To close, President Ryan Dickinson thanked Natasha Brooks. Ryan also reminded the audience about the post-meeting survey. The next meeting is the **70th Anniversary Event** scheduled for May 16th 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 communiqué:

- Jagruti Patel
- Gabrielle Milburn (student)
- Sebastien Soucy
- Roumen Haralampiev
- Arman Velani

Welcome to our Chapter!

If you are considering how to expand your involvement and make the most out of your membership, please take a look at this webpage and see how you can volunteer (<https://www.ashrae.org/communities/volunteer>). There are positions on Technical Committee, Standards Committees, and Standing Committees where you make an impact. For new members, I recommend looking into a technical or standing committee that you might be curious about, and joining their mailing list.

Here are a couple useful links:

- Technical Committees: [LINK](#)
- Standards Committees: [LINK](#)

If you have any questions, please reach out to me!



Committee Chair

Elizabeth Primeau

2022-2023 OVC
Membership Promotion
Committee
Total HVAC

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News Update

ASHRAE Certification Program Adds New Building Decarbonization Related Job Tasks to Exams

ASHRAE is experiencing a growing demand for certification, with 65% more applications received through February 2023, over the same time last year. The demand is driven by employers who recognize the importance of workforce development both for retention and for the verifiable expertise needed to tackle the challenges of designing high performance buildings.

"The updated and new building decarbonization related job tasks will serve as a roadmap for the professional development hours needed for recertification by current certificants," said Cowman. "Thanks to these Job Task Analyses, applicants, as well as employers, customers and the public can be assured that the job tasks tested on the respective BEMP and HBDP certification exams will validate competency against the knowledge and skills needed for competent job practice."

Exam development and form creation will begin in the summer 2023 and updated exams will launch in the first quarter of 2024.

For more information about ASHRAE Certification, visit ashrae.org/certification.

2023 ASHRAE Annual Conference in Tampa


Don't forget, the ASHRAE Annual Conference is fast approaching! This year, it is taking place in Tampa, Florida from **June 24-28th**. Discounted rates are available until **April 30th**... so don't delay, register today!

For more information and resources, read the full ASHRAE Article [HERE](#).



Committee Chair
David Eckel
2022-2023 OVC
CTTC Committee
GWAL

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 <p>Chris Harrison President</p> <p>chrish@longhill.ca Phone and cell option: 613-226-3856 ext. 24 Fax: 613-226-2715 124 Ross Rd., Ottawa, Ontario K0A 1L0 www.longhill.ca</p> <p>The Energy Conservation People</p>	 <p>Andrew Allen Brown, P.Eng Commercial & Industrial Sales Engineer aabrown@master.ca</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>MASTER.CA</p>	 <p>Sylvain Chenier, P.Eng., Ing. Associate Partner – Mechanical Sylvain.Chenier@mckeeottawa.ca</p> <p>1785 Woodward Drive Ottawa, ON K2C 0P9 CANADA Tel.: (613) 723-9585 x128 Fax.: (613) 723-9584 www.mckeeottawa.ca</p>
 <p>Joe Della Valle, C.E.T. Manager, Mechanical Sales & Engineering jdellavalle@odellassoc.com</p> <p>24 Gurdwara Rd. Nepean, ON K2E 8B5 www.odellassoc.com</p>	 <p>Stéphan Riffault, P.Eng. Branch Manager</p> <p>2310, St-Laurent Blvd., Unit 203 Ottawa (Ontario) K1G 5H9 613 565-2129, ext. 2128 sriffault@regulvar.com www.regulvar.com</p>	 <p>Elaine Guenette P.Eng., LEED AP Principal</p> <p>E Elaine.Guenette@smithandandersen.com D 6136911853 M 3439612244</p> <p>530 - 1600 Carling Ave., Ottawa ON, K1Z 1G3 T 613 230 1186</p>

ASHRAE HVAC Design Training in Region II

ASHRAE HVAC Design Level I and Level II training is coming back to Toronto!

Level I - June 12-14th, 2023

Level II - June 15-16th, 2023

Take the next step in your professional development and accelerate your understanding of HVAC design principles by attending the ASHRAE HVAC Design Training events this summer in Toronto, ON. Instructors are experienced industry professionals that provide a comprehensive training course accompanied with practical examples of innovative design methods.

"The ASHRAE HVAC Design Essentials Course is a world class course, and an excellent primer for anyone starting their career in HVAC. Having the course available in Canada again makes this a hard to pass opportunity."

Jacob Hough, C.E.T., ASHRAE OVC Member



**Committee
Chair**

Elizabeth Primeau

2022-2023 OVC
Membership Promotion
Committee
Total HVAC

E-mail: elizabeth.primeau@totalhvac.com

HVAC Design: Level I

Essentials provides intensive, practical training ideal for recent technical or engineering school graduates, engineers new to the HVAC field, those who need a refresher in new technologies, and facility managers, sales representatives and others who want to gain a better understanding of HVAC fundamentals, equipment and systems.

HVAC Design Level II

Applications provides instruction in HVAC system design for experienced HVAC engineers and those who have completed the HVAC Design: Level I – Essentials. The training covers the technical aspects of design and allows participants an opportunity to expand their exposure to HVAC systems applications to increase energy savings and improve indoor environmental quality.

More details and information are available [here](#).

Registration is available [here](#).



Research Promotion

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.

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

E: celine_baribeau@hotmail.com

ASHRAE Society link: [LINK](#)

ASHRAE OVC link: [LINK](#)



President-Elect

Celine Baribeau

2022-2023 OVC

Research

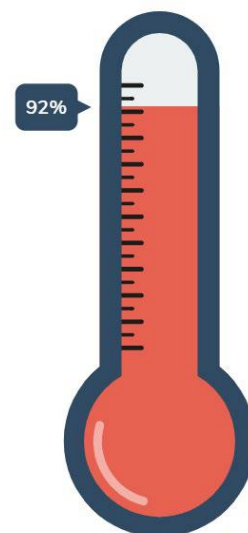
Promotion

Committee

BPA

E-mail: celine_baribeau@hotmail.com

GOAL: \$32,000



ASHRAE Partner \$5,000 - \$9,999	ASHRAE Associate \$2,500 - \$ 4,999	Major Donor Silver \$1,000 - \$2,499	
Longhill Energy		Total HVAC SK Sheet Metal Trane O'Dell Associates	
Major Donor Bronze \$500 - \$999	Major Donor Antique \$250 - \$499	Honor Roll Individuals \$100 - \$249	
Ainsworth Regulvar Canada Inc. Parson Refrigeration Ltd Master Group	Joel Primeau Lan Chi Nguyen Weekes Clement Marchand Optimum Mechanical Engineered Air JP2G	Abbey Saunders Micheal Swayne Celine Baribeau Ryan Dickinson Adrianne Mitani Evans Mutua Elizabeth Primeau	Trevor Thomson Jayson Bursill Steve Moons Andrew Douma Aaron Dobson Peter Brown Aerodynamics & Associates
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, Ross MacLaren, Mathieu Rondeau, Kamlesh & Subash Vohra,			

Awards & Nominations

Call For Governors

As the ASHRAE OVC 2022-23 chapter year comes to a close, the Nominations Committee is still looking to fill some very important roles for next year. While we are always looking for volunteers at all levels, there are some roles which require a bit more investment of time and commitment. Further, these roles potentially lead to advancing to the executive level of chapter leadership, such as Secretary, Treasurer and eventually President.

Becoming a committee chair or Governor does not automatically mean you must advance to the executive in the chapter. That said, these are important roles that provide much of the direction for the chapter on a year-to-year basis. There is the responsibility of ensuring tasks are delegated and completed. We have a very strong core of volunteers, but we need to build upon that core to ensure we have people in place for years to come. We also have a distinct lack of volunteers who are a little more “seasoned”. It would be of significant benefit to the chapter to not only have committed people to fill the roles, but also have some with healthy industry experience to draw on when helping to shape the chapter.

We currently need to find two more Governors for next year, as well as having 3-4 Committee Chair openings. I will be proactively reaching out to some chapter members to gauge their interest and ask for their help, but please consider if you are at a spot in your career where giving back to the industry is right for you. There are many, many benefits in being an active member of the ASHRAE OVC community, and I’m happy to discuss the positions with anyone who may have interest. I’ve listed below the expectations of a chapter Governor. I would ask for everyone to read and consider if they would be a good fit for this role, and if so, please reach out to me. Thank you all very much.

Governor – ASHRAE Ottawa Valley Chapter

The position of Governor has a variety of responsibilities within the chapter. First and foremost is to attend monthly Board of Governor meetings, typically held the Thursday after the monthly chapter meeting, at which time the issues of the chapter are discussed, deliberated and action decided. Governors are one of 9 voting members of the chapter, and are tasked to consider the progress of the chapter, and what is necessary to advance it in the arts and science of heating, ventilation and air-conditioning. Additionally, there is an expectation that governors will do all they can to attend the eight monthly evening meetings during the chapter year so they are available to the membership. A third key role is to be the Board liaison with various chapter committees, and report to the Board as to updates and requirements for the committees for which they are responsible. Lastly, they are required to delegate tasks to the various committees and committee members based on the Board’s decisions. They don’t need to do the work, but they do need to ensure the work is done.



Past President
Steve Moons
2022-2023 OVC
Awards & Nominations
Committee
Total HVAC Inc.

E-mail: steve.moons@totalhvac.com

<p>David Yin P.Eng., LEED AP Principal, Buildings Senior Mechanical Engineer</p> <p>300-1331 Clyde Avenue Ottawa ON K2C 3G4</p> <p>david.yin@stantec.com Direct: 613-725-5573 Mobile: 613-323-4964 Fax: 613-722-2799</p> 	<p> T.A. MORRISON & CO. INC.</p> <p>Carlo De Luca Regional Sales Manager</p> <p>t 800 561 3449 c 514 806 9217 e carlo@tamcodampers.com</p> 	<p> ESTABLISHED 1996</p> <p>Steve Moons, P.Eng. 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>
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Student Activities & Ottawa Regional Science Fair Recap

Last month was the Ottawa Regional Science Fair. Jayson Bursill and Noah Goddard spent the day reviewing and judging entries for the Special Award sponsored by the ASHRAE Ottawa Valley Chapter. It was great to see young students putting time and energy into creative and thoughtful experiments.



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

E-mail: noahg@longhill.ca

Coming up in May we will be presenting our local ASHRAE Scholarship winner at the chapter meeting. We saw an infinite increase in submissions this year over last year, which is a very positive trend.

May will also see a joint event between Membership Promotion, YEA, and Student Activities. We will be hosting a social event at Tailgators on May 3rd.





Event Description

ASHRAE Ottawa Valley Chapter – Membership Promotion EVENT

Date: Wednesday May 3rd, 2022
START TIME: 7:00pm to 10:00pm
Who: ALL ARE WELCOME!
Location: Tailgators Pool Hall
Address: [1642 Merivale Rd, Nepean, ON K2G 4A1](#)

Entrance Fee: \$10.00 recommended donation to ASHRAE Research
Contact & Support: Elizabeth Primeau, elizabeth.primeau@totalhvac.com

Registration Deadline: Tuesday, May 2nd, 2023

<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>WALMAR Mechanical Sales Limited MANUFACTURERS, AGENTS & DISTRIBUTORS</p> <p>Chris Brown</p> <p>Tel: 613.225.9774 Fax: 613.225.0673 e-mail: chrisbrown@walmar.net www.walmar.net 24 GURDWARA ROAD, NEPEAN, ONTARIO K2E 8B5</p>	<p>Yorkland Controls</p> <p>Vinodh Lakshman Regional Sales Director vin@yorkland.net</p> <p>ENVIRONMENTAL SOLUTIONS</p> <p>1050 Baxter Rd, Unit 6A Ottawa, ON K2C 3P1 yorkland.net</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>
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Ottawa HPDS Seminar Recap

On Thursday April 13th, 2023, ASHRAE OVC ran a successful half day seminar on the City of Ottawa's High Performance Development Standard (<https://ottawa.ca/hpds>). The well attended event was held at KS on the Keys restaurant in the City's South Keys area.



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

Rebecca Hagen (Section Manager – Emerging Programs, Climate Change and Resiliency Unit - City of Ottawa) spent the first half of the seminar acquainting the attendees with the standards and answering questions. Later in the presentation, Samantha Menard (Manager, Energy Team – EQ Building Performance) explained the practical implications of High Performance Standards, focusing on the Greater Toronto Area.

E-mail:
adrianne.mitani@smithandandersen.com

Both sessions were recorded and are available on the ASHRAE OVC YouTube channel.

Link to presentations - <https://youtube.com/playlist?list=PLN0PSco6QD7F7VGcZqTnQN0wPSap4cAwQ>

ASHRAE Best Ball Golf Tournament

Location: Loch March Golf & Country Club
1755 Old Carp Rd, Kanata, ON, K2K 1X7

Date: Tuesday, June 13, 2022

Registration & Check In

11:00 AM (BBQ Lunch included)

Tee Off

1:00 PM – Shotgun start

Dinner

approx. 6:30 PM

Costs:

Golf Foursome – Includes Golf with Cart, BBQ lunch & Dinner - **\$900 +HST**

Standard Sponsorship – **\$200**

Includes sign on course

Premium Sponsorship – **\$1,000**

Includes sign, hole sponsorship and name on the premium sponsor banner in clubhouse

Dinner Only – **\$60**

Please get in touch if you have any questions or concerns. Keep an eye out for an email with more details and the registration link in the coming weeks.



Past President
Adam Graham
2022-2023
OVC Special Events -
Golf
HTS

E-mail: Adam.Graham@hts.com

Government Affairs

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

Do you know about Ottawa's High-Performance Development Standard?

Version 1.2 is coming in effect June 1st, 2023, and is coming up fast! See the Seminar recap for more information.



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

E-mail:
adrienne.mitani@smithandandersen.com

Canada to Require Climate-Related Financial Disclosure

The Canadian Office of the Superintendent of Financial Institutions issued guidance that will require financial firms to release an annual report of climate-related financial disclosures. The new requirement will be rolled out across 2024 and 2025, depending on the size of the firm, and will hold financial institutes responsible for assessing their clients' environmental risks when considering access to credit.

ASHRAE Canadian Day on the Hill 2023

In conjunction with HRAI, ASHRAE members from across the country will be meeting with government Members of Parliament on April 25th and then separately Federal agencies on April 26th. Organized by ASHRAE Government Affairs including Ottawa's Presidential Member Darryl Boyce. The goals of the meetings are to build relationships with government and inform about what ASHRAE does to support issues such as indoor air quality, refrigerants, resilient buildings, sustainability and de-carbonization in the built environment and what early adoption of ASHRAE standards and guidelines can do to raise the bar. Contact the committee if you are interested in learning more or participating in our efforts.

U.S. DOE Releases Draft Zero Energy Ready Home Multifamily Version 2 Program Requirements

The U.S. Department of Energy (DOE) is developing a new Zero Energy Ready Homes (ZERH) program that will allow dwelling units in all multifamily residential buildings, including high-rises, to qualify for ZERH certification upon release, and to qualify for the 45L tax credit beginning January 1, 2024. The 45L tax credit is a substantial tax credit only available through ZERH certification. DOE released a draft version of the ZERH Multifamily Version 2 program requirements for public comment, and is requesting feedback. You can submit comments by following the instructions on this page, and you can find information on the tax credits that ZERH certification can confer [here](#).

CFCs Found in Atmospheric Ozone Layer

While hydrofluorocarbons (HFCs) have recently been more targeted as high-global warming potential (GWP) substances, its predecessor, chlorofluorocarbons (CFCs), are still being found in the atmosphere despite an international agreement to phase out their use. While the Montreal Protocol began the phase down of CFCs in 1989, a 2010 update to the agreement completely banned their use. However, a study published in [Nature Geoscience](#) found that five CFCs' presence in the atmosphere has steadily been growing between 2010 to 2020. Despite their minimal impact to the ozone layers, the impact of the five CFCs were equivalent to 47 million metric tons of carbon dioxide. The source of these CFCs could be attributed to their use in the production of other chemicals, byproducts of industrial processes, or byproducts of the replacements for CFCs (hydrofluorocarbons and hydrofluorolefins).

Clean Energy States Alliance Releases New Report on Energy Modeling

In late March, the Clean Energy States Alliance (CESA) released a new report on How Energy Modeling Works: The Uses and Limitations of Energy Modeling for Decarbonization Planning. The report describes the advantages and disadvantages of energy models and provides guidance for interpreting outcomes. CESA also held a webinar on this subject on April 10. More information, including links to the full report and the archived webinar session, can be found on the CESA website [here](#).



2023 Annual Meeting Proxy Form

PLEASE NOTE: IN ORDER TO PROXY, YOU MUST BE AN [ASHRAE SOCIETY MEMBER](#) OF GOOD STANDING AND PART OF THE [OTTAWA VALLEY CHAPTER](#). MEMBERS SHALL BE LIFETIME, ASSOCIATE AND MEMBERS. STUDENT AND AFFILIATE DO NOT QUALIFY.

I, _____
PLEASE PRINT YOUR NAME HERE

AM A MEMBER OF GOOD STANDING OF THE ASHRAE OTTAWA VALLEY CHAPTER

I APPOINT THE PROXY NAMED HERE: _____

To appoint to the board please name: Evans Mutua

PRINT YOUR PROXY'S NAME

TO ATTEND AND VOTE ON MY BEHALF AT THE ASHRAE OTTAWA VALLEY CHAPTER MEETING TO BE HELD May 16, 2023.

DATED THIS _____ DAY OF _____ 2023

SIGNATURE: _____

I HEREBY INSTRUCT THE PROXY TO VOTE: (Check one box below)

<input type="checkbox"/>	In agreement to vote for the executive and board pre-filled in below listed below.
<input type="checkbox"/>	In agreement to vote for the modified write in list of the executive and board as filled in below.
<input type="checkbox"/>	To allow my proxy to vote on my behalf

	Executive	Write In	Board of Governors	Write In
President	Adrienne Mitani		Mike Swayne	
President Elect	Evans Mutua		Trevor Thomson	
Treasurer	Jayson Bursill		Josh Bourbonniere	
Secretary	Matthew Moore			
Past President	Ryan Dickinson			

See May 2023 Communique for more information.

PLEASE COMPLETE PROXY FORM AND RETURN BY EMAIL TO
info@ashrae.ottawa.on.ca **BY MAY 15, 2023**

If you have any questions please contact President Ryan Dickinson at
ryand@vrenq.ca

CHECKED BY THE BOARD OF GOVERNORS ON MEETING DAY:

SIGNATURE: _____



Enviroair Industries Inc. is a manufacturing agent based in Montreal, Quebec. Enviroair is a leader in the HVAC Industry, by providing HVAC equipment-based solutions for engineers, architects, building owners and contractors. We are currently seeking a Technical Sales Representative to represent our company, products, culture and values within the territory of **Eastern Ontario**.

Job Description

Working out of our Ottawa Branch satellite office, your mandate is to develop business, grow sales and maintain good professional relations with assigned customers in the Greater Ottawa area. Enviroair represents a large portfolio of well-regarded products.

Main Responsibilities

- Establish and execute a sales plan for your given customers in the Ottawa market;
- Making sales calls with consulting firms and mechanical contractors;
- Able to execute a successful presentation (lunch and learn, general technical, or other);
- Educating the local engineering community on our various products;
- Keep yourself up to date technically with respect to product developments in the marketplace;
- Be responsible for the following on your projects:
 - Equipment selections and budget pricing for customers
 - Take-off / revision of bills of materials and pricing of projects
 - Negotiating purchase orders
 - Preparing your project releases to production
 - Verifications of order acknowledgements
 - Be willing to go to job sites and assist contractors with questions, start-ups, and troubleshooting of technical issues
- Equipment selection, design, application, and optimization;
- Provide technical support to our customer on plans and designs.

Training & Experience

Bachelor's degree in Mechanical Engineering or at least a College Degree in Building Engineering with relevant experience.

- Good technical knowledge in the following areas: hydronics, ventilation, heating, air conditioning, refrigeration of mechanical building systems;
- Relevant professional experience in the field of technical representation of HVAC;
- Customer service experience;
- Excellent selling, communication, and negotiation skills;
- Strong sense of organization, rigor, autonomy, resourcefulness, and enthusiasm;
- Advisory approach, ability to analyze and understand customer needs, sound judgment;
- Sense of negotiation, conviction and persuasion. Ability to work with a diverse clientele of professionals;
- Ability to conduct multiple projects simultaneously and work under high pressure;
- Great interest and motivation for sales, professionalism and customer-oriented attitude, results and objectives;
- Strong overall computer literacy;
- Hold a driver's license, own a car and be available for travel.

Enviroair Industries is a medium-sized company that offers strong compensation and benefits packages. We are flexible with respect to hybrid schedules that include both office-based and remote working. We prioritize continuous development and professional growth, and our Ottawa office is a tight-knit group of sales professionals.

If you are interested in applying, please send your resume to mlallemand@enviroair.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) 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 **Evans Mutua** at 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



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

E-mail: Evans.Mutua@ottawa.ca

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

Adrianne Mitani

Committees

Attendance

Celine Baribeau

Audit

Adrianne Mitani

Capital

Communiqué

Pat Melville

CRC

Jayson Bursill

Donald Weekes

Connor Ruprecht

CTTC

David Eckel

GAC

Celine Baribeau

Financial

Evans Mutua

Greeter

Mike Swayne

History

Mark Korodetz

Membership

Elizabeth Primeau

Nominations &

Awards

Steve Moons

Abbey Saunders

PAOE

Celine Baribeau

Program

Elikem Wotorts

Publicity

Samir Elchamaa

Research

Samir Elchamaa

Promotion

Celine Baribeau

Special Events

Colleen Fox

Abbey Saunders

Trevor Thomson

Student Activities

Noah Goddard

Tabletop

Connor Patterson

YEA

Jeremy Strong

Website

Samir Elchamaa