



DATE: Tuesday April 18th, 2023
16:30 – 21:00 Hrs EST

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

THEME: Research Promotion

PROGRAM: Phius 101: Introduction to Passive Building & Phius Certification

Are you **Passive House** or **Phius** curious? Have you heard about this resilient, energy efficient standard but don't know what it's all about? Join us for this one-hour Phius 101 session! This session explores the history and basics of Passive Buildings, Phius and the Phius standard, while answering your questions digging into the building science of it all. Whether you are an Architect, Engineer, Contractor, or tradesperson, there is something for everyone in this presentation and we are excited to introduce you to the supreme level of building performance and certification.

April 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	Phius 101: Introduction to Passive Building & Phius Certification Speaker: Natasha Brooks

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 7 - April 18th, 2023](#)

Program:

Phius 101: Introduction to Passive Building and Phius Certification

Presented by:

Natasha Brooks

Natasha Brooks is Director of Canadian Operations for **Building Efficiency Resources Ltd (BER)** managing and conducting Quality Assurance and technical training for the energy rating industry across North America. As an Architectural Engineering Technician and a Building Science Specialist with over 13 years' experience in the Canadian Energy Efficiency industry, she works closely with several provincial departments and building industry stakeholders, to help advance the energy efficiency sector by sharing knowledge, research, resources, and development opportunities, alongside designing, and delivering education to residential builders. In 2016 she became a Certified Passive House Consultant (CPHC) and Verifier for the Passive House Institute US (phius), and now as the phius alliance representative for eastern Canada, has been actively working to grow the passive house market within this region. After immigrating from the UK in 2008, she has become a proud Nova Scotian and Canadian, and strives to be a role model and create a better climate for her two young children, and their future families.



<p>ROY SAMHABER, P. ENG. 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>Green • Clean • Sustainable</i></p> <p>Mark Csiffary P.Eng. 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>Belimo Aircontrols (CAN), Inc. 5845 Kennedy Road Mississauga, ON L4Z 2G3 Direct: +1 905-712-2046 Cell: +1 902-222-6599 Fax: +1 905-712-3124 gordon.inkpen@ca.belimo.com www.belimo.ca</p> <p>Gordon Inkpen District Sales Manager - Eastern Canada, Atlantic & Ottawa</p>
<p>ENGINEERING PERFORMANCE...</p> <p>... mechanical, electrical, building automation, environmental, ...</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>Brevin MacKay 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>	<p>FRANCIS W.A. BANN, P. Eng. Principal, Senior Mechanical Engineer</p> <p>613.727.6111 x. 224 1688 Woodward Drive 613.229.0446 Ottawa, Ontario K2C 9R8 fbann@gwal.com www.gwal.com</p>

President's Message



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

E-mail: ryand@vreng.ca

Our last meeting was held in March at the Ottawa Conference and Event Centre in collaboration with the Mechanical Contractors Association of Ottawa, with over 100 people in attendance at the presentation and panel discussion, and 60 people at the dinner. I would like to thank Eli Howard for his excellent presentation on Fire & Smoke Dampers, as well as Jon Fromow, Ryan Leonard, and Caleb Cox for participating in the panel with Cathy Godin as Panel Moderator. I would also like to thank everyone for attending and supporting our Chapter, and all the volunteers who made the March meeting a big success!

The raffle prize for the evening was generously donated by O'Dell Associates and raised \$530 for ASHRAE Research Canada. Thank you for your donation and thank you to everyone for supporting our Research Promotion campaign. The theme for April is Research Promotion, and Celine Baribeau, Adrienne Mitani, and the Research Promotion Committee are working hard to raise funds for this year's campaign. Our campaign is currently at 89% 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.

On Thursday April 13th, ASHRAE OVC will be hosting a half day seminar on the New Ottawa High Performance Development Standard which comes into effect on June 1st, 2023, presented by Rebecca Hagen. In addition, Samantha Menard will be presenting examples of green building standards on construction projects in the Greater Toronto Area. For more information, please see Adrienne Mitani's Seminar article below, and consider registering early for the event on our website before it is sold out!

Our April Meeting will be back at the Centurion Conference and Event Center on Tuesday April 18th. Our speaker is Natasha Brooks, who will be presenting an Introduction on Passive Building and Phius Certification. If you're interested in learning about Passive Buildings, the history, and standards, this will provide an excellent introduction for Architects, Engineers, Contractors, and Tradespersons.

After the April meeting, we will be reaching out to the membership to formally vote on the executive and board for the 2023-2024 ASHRAE year. I am asking all members in good standing and who are not planning to attend the May meeting to please fill out the proxy form and return it before May 16th. During the May meeting, we will also be celebrating the 70th anniversary of the Ottawa Valley Chapter with our past presidents in attendance. We have several commemorative additions planned for this year's meeting and will be sharing more details in the upcoming weeks. Save the date and make sure you don't miss it!

Lastly, I would like to remind everyone that the OVC deadline for ASHRAE Technology Awards is April 21st. Please see David Eckel's article below for more info.

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 April meeting!

Ryan Dickinson
2022-2023 OVC President

<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>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.</p> <p>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> 
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ASHRAE OVC – 70th Anniversary

As many of you may know, the 2022-23 chapter year marks the 70th anniversary of the creation of the Ottawa Valley Chapter of ASHRAE. The Chapter is working hard to create a May meeting fitting for such an illustrious occasion. Our May meeting, in addition to honoring the chapter's past Presidents as usual, will afford us the opportunity to think back on the changes that have happened in construction over the past 70 years, and how ASHRAE and our local industry have been an integral part of the build environment of the City of Ottawa and surrounding areas.

The event will be held at the Centurion Event Centre, as usual, and will include a premium meal, a variety of raffle prizes benefiting Research Promotion, displays of Chapter historical artifacts, letters of congratulations from various dignitaries, and a photographer to commemorate the event with head shots of past Presidents. Formal invitations have been sent out to all past Presidents, who are welcome to attend free of charge.

On behalf of the 70th Anniversary Meeting Committee, I invite you to save the date of Tuesday, May 16th to come celebrate with our chapter members, as well as Regional ASHRAE attendees. I look forward to seeing many of you there.



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

E-mail: steve.moons@totalhvac.com

What You Missed

The sixth program meeting of the 2022/2023 OVC ASHRAE season was held on March 21st, 2023, at Ottawa Conference and Event Center on Coventry Road and had 29 members and 29 guests and 2 students attend for the dinner portion. The SMACNA presentation and Panel had over 100 registrants. The theme of the meeting was students. The program for the evening was Fire & Smoke Dampers in a joint meeting with the Mechanical Contractors Association (MCA) that included a presentation by Eli P. Howard III and a panel on the recent updates in the Ontario Building Code (OBC). Dinner was a plated with soup (carrot and parsnip), green salad (with walnuts, pear, and a sherry and organic honey vinaigrette), grilled chicken supreme (on a bed of squash puree, roasted potatoes, and seasonal vegetables with a Thai coconut glaze), and New York cheesecake for dessert.



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

E-mail: jbursill@deltaccontrols.com

The SMACNA presentation began when Mary welcomed the guests and oriented the group with respect to safety. She then introduced OVC ASHRAE past president Adrienne Mitani who introduced ASHRAE to the MCA attendees and invited them to future ASHRAE events. Adrienne then handed it back to Mary who introduced Eli P. Howard III.

Eli started off by discussing the related standards and his perspective from being involved in those standards. Eli highlighted the importance of managing the work life balance and remaining attentive to those who are important to you. Eli introduced a myriad of documents created and co-created by SMACNA that are relevant to the Ottawa HVAC&R community with respect to smoke and fire. He followed that up by introducing the concepts of static and dynamic fire dampers. This included the paramount importance of testing and balancing with respect to fire safety when dynamic dampers are used.

Eli clarified some definitions in his presentation to provide a point of reference. He also provided an overview of where fire dampers are required and where exceptions exist. One notable exception is enclosed shafts with subduct assemblies in New York City. Type 1 grease hoods were also a notable exception that was discussed. The importance of communication between the different design silos with respect to identifying potential issues pertaining to the fire code was also discussed. The multi-disciplinary nature of managing fire and smoke dampers and the accompanying liability concerns were mentioned.

The different fire damper rating classes were reviewed and the lab testing requirements were presented at a high level. One interesting example included dropping a 55-gallon barrel of sand on a fire damper to do a break-away test. Access door size was a hot topic. Without reasonable access door size fire damper inspections cannot be completed and the project can incur significant costs due to change orders and delays. Details such as the specific fasteners required for various flange types were also discussed. The vendor-agnostic nature of standard and guideline specification was highlighted. For both SMACNA and ASHRAE the same rules apply.

Eli emphasized the reason we do this: to save lives. Insurance covers the building, but fire dampers save invaluable life. Anecdotally, some buildings have been observed to have failure rates of fire dampers up to 60%! This demonstrates the importance of post-installation inspection.

Eli closed by listing some new to SMACNA documents:

- HVAC system duct design manual
- Testing and adjusting and balancing manual
- Sizing bracing manual
- Rectangular industrial duct manual

The panel began when Panel Moderator Cathy Godin called the group to order again and introduced the panel. The panel consisted of Eli Howard - SMACNA, Jon Fromow - Contractor, Ryan Leonard - Consultant, and Caleb Cox - Manufacturer. Notable questions asked were:

- Is there such a thing as smoke separation?
- How do you handle non-ideal installation situations?
- Why doesn't Building Information Modeling (BIM) cover fire dampers in the schedules in most builds today?
- How are the permit compliance examiners handling the recent changes?
- How are codes being applied to retrofits and existing buildings?

Some take homes from the panel:

- Perfect air tightness is a myth
- Advanced tools and techniques can solve most problems (for a price)
- Drawings are often not accurate to as-built
- Most buildings do not tag fire dampers
- Integrated drawing packages do not always equal BIM
- The prescriptive code structure often leaves many aspects of installation with respect to managing smoke open to interpretation
- Potential discrepancies between detection and actual fire location were highlighted as a concern
- Compliance examinations tend to not be homogeneous
- Compliance resources are very limited on retrofits and existing buildings

To start the business session 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 and Board of Governors. Ryan then thanked the guests and speaker. Secretary Jayson Bursill introduced the 29 guests for the evening. MP Chair and Region II Student Activities RVC Elizabeth Primeau welcomed the new members and promoted involvement in ASHRAE Society technical committees. Student Activities Chair Noah Goddard spoke on the evening's Student theme while recapping the events so far this year: the Doug Cochrane student presentation at Carleton in November, the career fair in March, and the upcoming Ottawa Regional Science Fair. Noah also promoted Lucy's Engineering Adventure and alluded to an upcoming sequel.

Abbey Saunders announced nominations and the upcoming slate of executives for the chapter. Abbey also announced that there are two open Governor positions and several open chair positions for those that are interested. Please contact Steve Moons if you wish to get involved in any of the open roles. CTTC Chair David Eckel spoke about the CTTC tech awards with an April 21st submission deadline. Please submit any projects that may be eligible as soon as possible. Treasurer Evans Mutua announced the upcoming half-day seminar on the Ottawa High Performance Development Standard that will take place on April 13th. President Ryan Dickinson thanked GPA Inc. for the tabletop.

Raffle tickets were sold for four Ottawa Senators tickets. The raffle raised \$530 for ASHRAE Research. Rob Tremblay won the raffle. MP Chair and Region II Student Activities RVC Elizabeth Primeau thanked Mary Gauthier, Robyn Cummings, and Trevor Thomson for the hard work that went into making this joint event with MCA happen.

To close, President Ryan Dickinson thanked Eli P. Howard III and reminded the audience about the post-meeting survey. Ryan also announced the OVC chapter 70th anniversary meeting that will take place in May. The next meeting is scheduled for April 18th back at the regular Centurion Conference and Event Center.

Membership Update

Happy spring OVC Members!

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

- Bruce Fournier
- Mrugesh Patel
- Peter Gunn
- Alex Soghomonian
- Simon Dow

Welcome to our Chapter!

To continue to grow our membership, please take a moment to think about a friend or a colleague who may find value in ASHRAE. Invite them to our next meeting and help them take that first step. As always, if you have any questions about ASHRAE, your membership or how to volunteer, please reach out to me.



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

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News Update

[ASHRAE is Headed to Tampa for the 2023 Annual Conference](#)

Registration is now open for the 2023 ASHRAE Annual Conference which will take place June 24-28th, at the JW Marriott Tampa Water Street in Tampa. Early bird registration ends April 30th.

"ASHRAE's Annual Conference is the perfect place for built environment professionals to learn new concepts to help improve the design, construction and operation of buildings and systems," said 2022-23 ASHRAE President Farooq Mehboob, Fellow ASHRAE. "It is always wonderful when our members are able to come together to share experiences and ideas. We look forward to an exciting conference in beautiful Tampa."

The conference will include tours, social events, award recognitions and a technical program featuring more than 90 sessions on seven conference tracks. Technical sessions will focus on the urgency of addressing the climate crisis, including measures to reduce human impact on the natural environment and strategies for making the built environment more resilient and sustainable. Among the many topics being presented at the conference, here are a few highlights:

- **Pathway to Net Zero and Decarbonization** - Highlights case studies, research, tools, and strategies to reduce carbon impact and achieve net zero energy communities.
- **Future Proofing the Built Environment** - Focuses on innovative technologies and strategies to reimagine the relationship with the built environment in the wake of weather extremes affected by climate change, as well as energy supply disruptions and shortages, methods of designing, constructing and operating buildings and HVAC&R systems for resilience and sustainability.
- **Research Summit** - Features active research, and the exchange of research findings, critical to the development of the HVAC&R industry and built environment. The track includes a partnership with ASHRAE's archival journal, Science and Technology for the Built Environment.



Committee Chair
David Eckel
2022-2023 OVC
CTTC Committee
GWAL

E-mail: deckel@gwal.com

Some of the other topics of interest will be:

- **Building Automation and Control Systems**
- **Professional Development and Education**
- **Fundamentals & Applications**
- **HVAC&R Systems and Equipment Fundamentals & Applications**

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

CTTC Technology Awards

ASHRAE Technology Awards are the HVAC&R industry's most prestigious honor for efficient energy use in building and environmental system performance. They recognize outstanding design innovation and successful implementation. Effective energy utilization is just one of several aspects of facility and building design. The ASHRAE Technology Awards program recognizes, on an international scale, successful applications of innovative design, which incorporate ASHRAE standards for effective energy management, indoor air quality, and good mechanical design. The ASHRAE Technology Award program is intended for built projects.

ASHRAE honors the buildings and industrial facilities or processes that are outstanding in design innovation. Additionally, The Award of Engineering Excellence can be given at the judges' discretion, but only to the most exceptional of entries. ASHRAE Technology Award winners are recognized by peers as being innovative and capable of achieving a high level of competence. Winning projects are highlighted in articles in the ASHRAE Journal. The Society provides press releases to industry publications and ASHRAE Insights. First-place winners of the society awards are honored at the Plenary Session of the Society's Winter Conference where the commemorative plaques as well as the "Engineering Award of Excellence" are presented.







For this year's submissions, the project must have been occupied since September 2022 to qualify. The deadline for submissions to the OVC Tech Awards Committee will be Friday April 21st.

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 [here](#). Once you've completed your application forms, submit them to either Elikem Wotortsi (elikem.wotortsi@stantec.com) or David Eckel (deckel@gwal.com).



Committee Chair
David Eckel
2022-2023 OVC
CTTC Committee
GWAL

E-mail: deckel@gwal.com

 <p>Chris Harrison President</p> <p>chhsh@longhill.ca Phone and cell option: 613-226-3856 ext. 24 Fax: 613-226-2715 124 Fleas 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 Chénier, P.Eng., ing. Associate Partner – Mechanical Sylvain.Chénier@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>Cell: 613-897-6604 Tel: 613-225-9774 ext. 254</p> <p>24 Gurdwara Rd. Nepean, ON K2E 8B5</p> <p>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</p> <p>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>

Research Promotion



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

E-mail: celine_baribeau@hotmail.com

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!

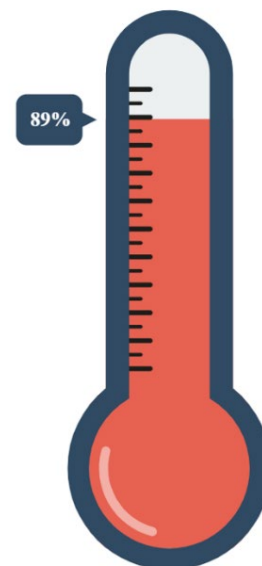
Two of the easiest ways to make your donation to the 2022-2023 RP Campaign are by clicking either of the links below. Should you wish to donate by cheque, please make payable to ASHRAE Ottawa Valley Chapter.

Celine Baribeau
 E: celine_baribeau@hotmail.com

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

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

GOAL: \$32,000



ASHRAE Partner \$5,000 - \$9,999	ASHRAE Associate \$2,500 - \$ 4,999	Major Donor Silver \$1,000 - \$2,499
		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 Clément Marchand Lan Chi Nguyen Weekes Optimum Mechanical Engineered Air	Abbey Saunders Micheal Swayne Celine Baribeau Ryan Dickinson Adrienne Mitani Evans Mutua Elizabeth Primeau Trevor Thomson Jayson Bursill Steve Moons
Special Thanks to the following donors for their contribution: David Michelin, Patrick O'Meara, Chris Brown, Khadijah Ahmad, Lukas Glaspell, Chris Habets, Bryan Halliday, Jordan Hansen, Rob Lefebvre, Ryan McKinnon, Jim Mills, Mitchell Niles, Connor Patterson, Jeff Schroeder, Jesus Ramirez, Ross MacLaren, Mathieu Rondeau, Kamlesh & Subash Vohra		

Awards & Nominations

Calling all volunteers!

As chairs of the Awards & Nominations Committee, Abbey Saunders and I want to address the members of ASHRAE OVC for the nominations period. The nomination committee is responsible for building the chapter leadership of tomorrow. We help to shape the direction of the chapter; in that we try to ensure the very best people are in position to advance our local chapter and respond to the needs of its members.

Typically, at the April meeting we announce next year's Executive, Board of Governors, and Committee Chairs. While we have many positions filled, as of this writing, we are still determining some key positions, notably Governors.

This past year we have been able to resume our in-person events, which has been tremendously rewarding for the chapter. While we re-establish our processes going forward, now is an excellent time to consider volunteering with the chapter. I would like to ask anyone who is able to volunteer to help at the board level to please contact me directly to discuss what positions are available. To keep our chapter strong, we need volunteers to help organize and put in the work. Now more than ever, the chapter needs your support. I hope to be able to introduce a strong chapter leadership group of new and existing volunteers at the May meeting with all positions filled. Thanks very much.

Executive

President	Adrienne Mitani
President-Elect	Evans Mutua
Treasurer	Jayson Bursill
Secretary	Matt Moore
Past-President	Ryan Dickinson

Board of Governors

Trevor Thomson	returning
Josh Bourbonniere	returning
Mike Swayne	returning
Open	
Open	

Thank you to all who have been nominated and who have agreed to take on the responsibility of office; I'm sure you will agree that the Chapter is in good hands going forward.

The installation of the Executive and the Board will take place at the May Chapter Meeting, on May 16th.

Thank you all, and hope to see everyone again at that time.



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>TAMCO 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 & Career Fair

ASHRAE OVC recently hosted a career fair at Carleton U that was very successful. We sold out the available booths – we had 18 companies with booths for recruiting. Over 80 students were registered. It was the right level of busy. Each student had opportunity to talk to the booths one-on-one, while still having a steady flow of candidates throughout the event.

On the horizon, really soon, we will be taking part in the local high school science fair again. As a sponsor of one of the prizes, a couple of our chapter members will be judging the entries.



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

E-mail: noahg@longhill.ca

ASHRAE Curling Bonspiel

The annual ASHRAE Curling Bonspiel took place on Friday, March 17th at the Nepean Sportsplex. All the participants had a great time and enjoyed the day. Congratulations to Odell Associates # 2 for their skilled efforts and walking away with the trophy this year. We also would like to congratulate Jun Cheng of Goodkey for winning the 50/50. Honorable mention to Odell Associates # 1 who gave it their all and walked away with the consolidation prize.

As in the past years, we have been able to raise funds for both ASHRAE Research and local charities. Despite the lower number of participants this year, we were able to raise approximately \$1,350 for these causes. This brings the total to \$19,120 since 2010.

We would also like to thank the City of Ottawa for the venue as well as the Tulips & Maples Catering for the meal.

Thank-you to all who participated in the event, and we look forward to seeing everyone again next year.



Committee Chair
Colleen Fox
2022-2023 OVC
Special Events
Committee
TRANE

E-mail: cfox@trane.com



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

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 [here](#) for more info. Also considering joining us for our Seminar on the topic coming up April 13th.

E-mail:
adrienne.mitani@smithandandersen.com

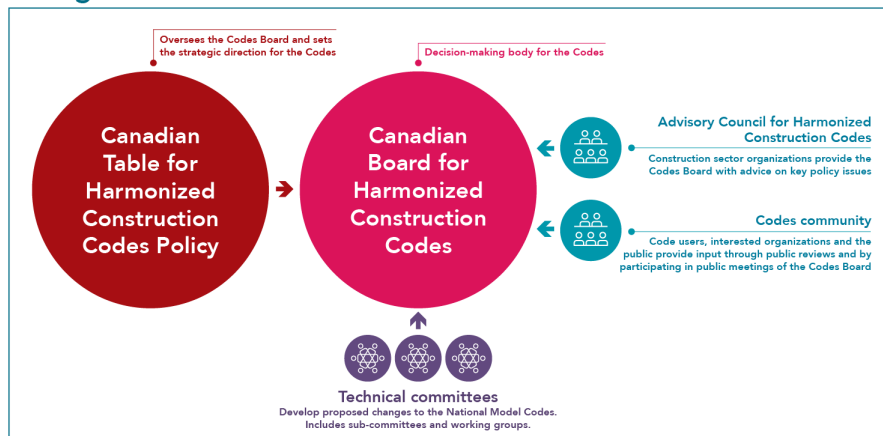
Canada to Require Climate-Related Financial Disclosure

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.





Canada’s National Model Codes Updates

Did you know Canada changed the governance model for the National Model Code development last year? As part of the [Canadian Free Trade Agreement's Regulatory Reconciliation and Cooperation Table](#) at the end of November last year the Canadian Commission on Building and Fire Codes (CCBFC) was replaced with a [new development system](#). For reference the CCBFC has been in place since 1991, and the committee was responsible for all of the national code developments. See diagram for more information, however generally it has split the oversight into two boards plus added technical committees for developing and proposing code changes. See [here](#) for more information.

New governance model to harmonize construction codes in Canada



NRC also has a group on Construction Innovation which provides updates about new code changes such as the current public review of [proposed amendments to the 2020 National Model Code](#) which runs until April 27th. The public review will provide code users and stakeholders with a detailed look at the changes being considered and an opportunity to comment on whether the proposed changes should be approved, modified or withdrawn. Input is also being sought for drafting policy related to operational carbon provisions in the National Model Codes, the current draft can be read [here](#), and comments can be directed to the CBHCC here before March 30th at CBHCCSecretary-SecretaireCCHCC@nrc-cnrc.gc.ca. To keep up to date on these code developments you can subscribe to [Construction Innovations](#).

<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@walmart.net www.walmart.net</p> <p>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 m. 613-880-8188 Ottawa, ON K2C 3P1 f. 613-721-4906 yorkland.net tf. 877-733-3833</p>  <p>1260 Old Innes Rd, Unit 605 t. 613-747-1867 Ottawa, ON K1B 3V3 f. 613-745-6042 WILES-LEGAULT.COM tf. 800-720-7757 HVAC CONTROLS</p>
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Ottawa High Performance Development Standard Seminar



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

Date Thursday, April 13th, 2023
Location **KS on the Keys Restaurant**, 1029 Daze St, Ottawa, ON.
Registration Wednesday, April 12th, 2023
Deadline
Half Day **12:00PM – 4:00PM**

E-mail:
adrienne.mitani@smithandandersen.com

[Register here](#)

We are excited to announce a half day seminar on the New Ottawa High Performance Development Standard presented by Rebecca Hagen, the Section Manager-Climate Change & Resiliency at the City of Ottawa. The standard was approved by the Ottawa City Council in April 2022 and Version 1.2 comes into effect very soon on June 1st, 2023. Come learn more about the new changes that are coming into effect that are similar to other City High Performance standards like Toronto, Vancouver, and others.

The High Performance Development Standard is Ottawa's tool for advancing sustainable and resilient design practices through site plan and plan of subdivision. Version 1.2, including Tier 1 energy targets, comes into effect June 1st, 2023. The High Performance Development Standard is a collection of voluntary and required standards that raise the performance of new building projects to achieve sustainable and resilient design. The High Performance Development Standard consists of three tiers of performance. The standards, also known as 'metrics' in Tier one, are mandatory. Tiers two and three contain higher level voluntary standards. Sustainable and resilient design in new development supports public health and safety, environmental protection and responds to climate change, all of which are priorities within Ottawa's new [Official Plan](#).

The last hour of the seminar will be presented by Samantha Menard from EQ Building Performance on City specific green building standards, with examples of how they have impacted construction projects in the Greater Toronto Area along with ways that projects adapt to early energy modelling process and considerations to meet these more stringent requirements.

Space is limited so please register online ASAP.

\$175 for ASHRAE OVC members, **\$225** for non-member

Presenters:

Rebecca Hagen works as the Section Manager of Emerging Programs in the Climate Change and Resiliency Team. In this role, Rebecca is responsible for managing staff and the day to day support to develop and implement plans, programs and projects related to municipal buildings, electric vehicles, community heating, district energy and distributed energy resources. Rebecca joined the City of Ottawa in July 2019. Since then, she has led the development of the High Performance Development Standard and Community Energy Plan, supported installation of electric vehicle charging infrastructure at City facilities and in the public Right of Way and worked on the Municipal Net Zero Building Retrofit project. Before joining the City, Rebecca worked at Minto as a Sustainability Project Manager on new construction projects pursuing Third Party Green Certification and Net Zero Home labelling.

Samantha Menard, B.Arch.Sci., CET., LEED AP BD+C, Energy Team Manager –With 10 years of experience in the energy and sustainable design industry, Samantha leads the energy division of EQ. With a focus primarily in the high-rise sector, Samantha's expertise provides project management and energy modelling for compliance with Building Code, LEED, and Toronto Green Standard, and acts as a 3rd party reviewer, verifying energy targets for LEED projects and incentive programs.

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

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) to secure yours today! Cost for tabletops for this month's event 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 [here](#).

Swegon Ventilation Products for Passive House



Passive House buildings require continuous ventilation and benefit from highly efficient heat recovery air handlers that feature low energy consumption. Swegon's **GOLD RX Air Handling Unit** is certified by third party agencies in North America and Europe to give you confidence that your building's ventilation system will perform as designed. GOLD always includes controls that are fully functional when used alone, or when connected to a building management system. GOLD is our solution for projects designed to benefit from the centralized ventilation concept. For projects that benefit from decentralized ventilation strategies, Swegon offers **CASA ventilation units**.

More energy-savings and greater occupant comfort can be realized when demand-control ventilation (DCV) strategies are used in many buildings. Zone control provided by the **REACT Control Damper** will enable zones with three ventilation control modes: **unoccupied mode** for extra energy savings, occupied mode to meet code requirements and **boost mode** to increase the amount of air delivered to the zone. REACT Damper accessories also include standalone and networkable controls with sensors.

The elimination of ducts is a key strategy for saving air handler fan energy in Passive House buildings. Swegon offers a variety of sound-attenuating **transfer grilles** that allow for indirect ventilation, as air flows from zone to zone through interior walls and doors while maintaining occupant privacy.

Passive House occupants expect their buildings to be quiet, comfortable, and draft free. The **CLA Compact Sound Attenuator** is ideally suited for controlling system noise in the duct and crosstalk from nearby zones. Grille and diffuser selection is critical for minimizing energy-consuming duct pressure and preventing uncomfortable draft.

Swegon's **KITE Plaque Diffuser**, **LOCKZONE Swirl Diffuser**, **GTH** and **SDW Sidewall Grilles** provide your project with the right combination of performance and appearance.

Whatever your Passive House building typology, Swegon has a ventilation solution for you!



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

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Noah Goddard

Tabletop

Connor Patterson

YEA

Jeremy Strong

Website

Samir Elchamaa