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THE HERRING CHOKER ASHRAE NB/PEI CHAPTER

February 2024

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Chapter Announcements

1. Membership Promotion Night:

February 13th is Membership Promotion Night! Encourage others to come out and see what ASHRAE is all about. In February we'll be having a technical presentation on gas detection systems which will be applicable to engineers, facility managers, owners and contractors. Reach out to your colleagues and clients and encourage them to join us. The meal will be **free** for all first-time visitors!

Details to register can be found in the *Monthly Presentation* section of this newsletter.

Membership Grades:

There are four general membership grades in ASHRAE, with sub-grades in some of these categories. This table ([click here](#)) outlines the grades along with useful information. Look for the next article in March that will provide additional

information including information for Life Members and other member promotions.

Matthew Peachman, Membership Promotion Chair, 2023-2024

Mpeachman@CBCL.ca

2. Lucy's Engineering Adventure (Fundraiser)

As first announced in the May newsletter, the ASHRAE NB/PEI Chapter is proposing to provide a copy of **Lucy's Engineering Adventure** to every Anglophone K-5 school in New Brunswick and Prince Edward Island; the territories that we serve.

Our goal is to raise **\$2,500** to be able to purchase the books. Donations can be sent by e-transfer to treasurerashraenbpei@gmail.com, or by mail to the following address:

ASHRAE NB/PEI CHAPTER

P.O. Box 1629

Moncton New Brunswick

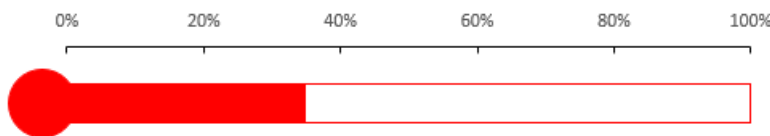
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*Please note on the envelope "Lucy's Engineering Adventure" somewhere on the mailed donation.

Any donation large or small will help to get us to this goal. We appreciate your support!

*February 6th, 2024 Update: We have raised **\$870 / \$2,500**

Let's work together to fill up the progress bar below!!



3. Request for Assistance: Heat Pump Technology (HPT) Research Study through Annex 60

National Resources Canada are involved with Annex 60, a collaborative program with the IEA, which studies retrofit heat pump systems in non-residential buildings. The outcome of Annex 60 will be to provide high-level guidance for building owners and decision makers to implement heat pump technologies in their own buildings based on the successes and feedback of the industry.

This phase of research is titled "Task 2 - Case Studies of Existing Projects" and is looking for volunteers to simply fill out a high-level case study log on any buildings that meet the criteria. The submissions will be reviewed and those that are identified by Annex 60 as suitable projects will be contacted for more details.

More information can be found at the following links:

[Annex 60 website](#)

[Research Summary \(pdf\)](#)

[Case Study Log \(excel sheet\)](#)

If you are interested in participating or have other questions please reach out to frederic.genest@NRCan-RNCan.gc.ca

4. Did you know we're on social media?!

Follow us on LinkedIn and Facebook to find out about events when they're announced (click the icons below or at the bottom of the newsletter).



Monthly Presentation

February 13th, 5:00PM - 8:00PM AST

TOPIC: Gas Monitoring

Join us as we learn about gas monitoring (also known as gas detection). During this presentation we'll be covering the systems used for vehicle emissions, IAQ, combustibles, and refrigeration. We'll discuss codes and standards, design considerations, and typical layouts for each.

Recommended audience: Engineers, Contractors, Students, Building Owners

About the Presenters:

Gordon Inkpen

Belimo District Sales Manager – Atlantic & Ottawa (3yrs)

Gordon has a strong solution selling focus with an emphasis on supporting & educating the public on high efficiency solutions for the HVAC industry. He has 10 years of previous experience with Grundfos Pumps (focusing on high efficiency pumping solutions for heating/cooling/pressure boosting in commercial/municipal & industrial applications), and a combined 27 years sales experience in the IT & HVAC industries.

Gordon likes to encourage people out of their comfort zones to explore new ways of doing business and improve the ways buildings perform.

In his spare time he's either enjoying time with his family or in nature to some capacity.

DJ Chisholm

Belimo Regional Application Consultant - Atlantic, Quebec and Ottawa

DJ is the Regional Application Consultant for Belimo Aircontrols (CAN), Inc., and is based out of Salisbury, NB.

Belimo is the global market leader in the development, production, and marketing of field device solutions for controlling heating, ventilation and air conditioning systems. In 2020, Belimo acquired Opera Electronics – a leader in the commercial toxic gas monitoring products market – to round out their field device portfolio with a toxic gas monitoring solution. Since this acquisition, DJ has been active in supporting various facets of the commercial gas monitoring product portfolio, including development and delivery of training to both internal and external customers in North America.

DJ joined Belimo in 2019 as a Field Support Specialist for Canada. Their start in the HVAC (and Building Automation industry) started in 2008 with Controls & Equipment in Moncton, NB with various roles between then and 2019, including Engineering and Estimator, Engineering Team Lead and Engineering Manager, helping to build a firm background of BAS application, design and selection.



Event Details:

When:

February 13th, 2024

Location:

Legends Lounge (Moncton Coliseum Arena Complex - Entrance C)

377 Killam Dr, Moncton, NB

Agenda:

5:00pm - 6:00pm: Social Hour

6:00pm - 7:00pm: Presentation

7:00pm: Dinner is Served

Pricing:

ASHRAE Members - \$30

Non-Members - \$55

Students & Retirees - \$20

Presentation Only (No Meal) - \$0

*If this is your first time attending you may use promo code **"FIRST"** at checkout
and have your meal covered by ASHRAE!*

Meal:

The meal will be Chef's Choice Buffet.

*Please indicate any dietary restrictions when registering

Please RSVP through EventBrite by 4pm on Friday, February 9th

[Click Here to Register](#)



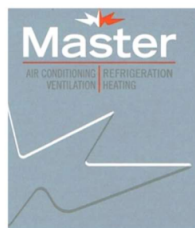
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Research Promotion

Knowledge is Power

Dear ASHRAE Research Investors,

Let me start by saying thank you for your donation on the 2023 campaign! The 2024 Research Promotion campaign is now underway. We are endeavouring to raise money for ASHRAE Research in hopes to get back to our pre-COVID

levels. Since the COVID pandemic had forced sudden closures of many businesses a lot of effort was put into preserving cash flow including our own chapter. It is our hope that since the pandemic has been declared over that you are able to make a donation to the same level you did pre-pandemic. Although there is no cap or minimum donation, we can safely say that for every dollar raised ASHRAE Research Canada sees about two in return!

The honour roll investment level is \$150 for individuals and \$500 for corporations. This level of donation provides the individual or the corporation with the recognition coin, name published in the ASHRAE Journal dedicated to special RP recognition. This is also a tax deductible donation for corporations.

Donations can be made in three ways:

1) Mailed to the chapter PO Box:

ASHRAE NB/PEI CHAPTER
P.O. Box 1629
Moncton New Brunswick
E1C9X4

2) E-transferred to the treasurer email at treasurerashraenbpei@gmail.com

3) Via the www.ashrae.org website follow the links to make a gift and then invest in the RP Campaign just be sure to select the NB/PEI Chapter so that we can recognize your contributions.

We look forward to your support again in 2024. Should you have any questions or concerns please feel free to contact me directly.

Kevin Clannon, Research Promotion Chair, 2023-2024
Kclannon@Master.ca

 <p>Bill Hooper, CET Regional Sales Manager Atlantic</p> <p>T (506)651-5348 D (506) 849-1088 F (506) 849-1089 W www.uponorpro.com E bill.hooper@uponor.com</p> <p>Uponor Ltd. 87 Auburn Way Quispamsis NB E2E 5C3 Canada</p>	<p>David Simpson, PTEch Team Leader, Senior Project Manager Mechanical Engineering</p> <p>David.Simpson@englobecorp.com</p> <p>T. 506-857-2777, 178077 M. 506-378-3722</p>
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ENGLOBE

Recap of Past Events

In Case You Missed It...

Fire/Smoke Dampers

On January 9th we were honoured to receive a presentation on fire/smoke dampers from Phil Duncan and Chris Gaudet of Airsys/Raemac. The session attracted an impressive turnout of 41 attendees, emphasising the importance and interest in building safety and fire protection!

Here are some key takeaways from the session:

- **Introduction to Damper Basics:** The presentation kicked off with an essential overview, distinguishing between different types of dampers. It highlighted the crucial role they play in maintaining building safety and compliance with codes and standards set forth by the National Fire Protection Association (NFPA), as well as the requirements for smoke dampers to be listed in accordance with ULC S112.
- **Codes and Fire Ratings:** A significant portion of the discussion was dedicated to understanding the available fire resistance ratings for dampers—either 1.5 hours or 3 hours. The selection is based on the wall assembly's fire rating. Fire dampers are typically installed in ducts passing through fire-resistance-rated partitions, necessary for compliance with building codes and NFPA standards. Conversely, smoke dampers are placed in ducts traversing barriers designed to inhibit smoke spread, as dictated by building or life safety codes among other standards.
- **Accessories and Demonstrations:** The session concluded with a review of the various accessories that can be either ordered with dampers or installed in the field. Airsys further enhanced the learning experience by providing practical props and demos, allowing attendees to visually grasp the concepts discussed.

This presentation served as an invaluable crash course on fire/smoke dampers, shedding light on a crucial component of building safety. It underscored the importance of understanding local codes and regulations regarding damper usage to ensure the highest level of safety in our buildings.

(Obvious Disclaimer: Please do not rely on this recap to design your fire protection systems! Seek professional help)

Brandon Cosman, Communications Chair, 2023-2024

Brandon.Cosman@PMCEnergy.ca



Upcoming Events
The Future is Bright

Energizing Efficiency Conference

April 23-24, 2024 - Fredericton Convention Centre

Energizing Efficiency 2024 is back for its fifth year, our biggest year yet!

Elevate your efficiency knowledge and network with those leading the way in the clean energy transition. Learn from experts. Connect with industry players. Explore energy solutions, create opportunities to collaborate, and more.

Don't miss out on this incredible opportunity to learn, grow, and network at Energizing Efficiency 2024.

Please visit [Energizing Efficiency Conference](#) for more details.

NB Power Sponsored Training Opportunities

For a full list of NB Power offerings and to keep current on their upcoming events please visit the following link:

[NB Power Events and Training](#)

The Moncton MEET Show 2024

May 1st and 2nd, 2024 - Moncton Coliseum

The Moncton MEET show is returning in May of 2024. Save the date in your calendar and stay tuned for more updates as we near the date!

We will have distinguished lecturer, Don Colliver, joining us at the MEET show who will be presenting both days of the show. The topics will be:

Topic 1 – Building Decarbonization Basics

Topic 2 – The Science Behind Climate Change and Decarbonization

The time and date for these topics will be announced closer to the date. For more information on the event please see the [Moncton MEET Show website for more details](#).

ASHRAE Region 2 CRC

August 23-25, 2024 - Toronto, ON

The Chapter Regional Conference for ASHRAE's Region 2 is being hosted this year in Toronto. We'll update this section as more information becomes available.

Information on upcoming CRCs and past CRCs can be viewed [here](#).



Awards & Scholarships

Step Right Up, Win a Prize!

1. ASHRAE Technology Awards – Chapter Competition

This year, the ASHRAE NB/PEI Chapter will host a Technology Awards Program to recognize innovative projects by Chapter Members.

The ASHRAE Technology Awards recognize members at the Chapter, Regional and Society levels for outstanding design and innovations for effective energy utilization.

The format of competition, deadlines, and judging are determined by the Chapter and will be announced shortly. The short application form (Link: [Chapter/Regional Application -- Short Form](#)) may be used for the Chapter competition and the regional competition for projects that move on to the Regional Competition.

Entries can be submitted for each of the following 7 categories:

- Commercial Buildings - New, Existing and Existing Building Commissioning (EBCx)
- Institutional Buildings
 - Educational Facilities – New, Existing and EBCx
 - Other Institutional – New, Existing and EBCx
- Health Care Facilities – New, Existing and EBCx
- Industrial Facilities or Processes – New, Existing and EBCx
- Public Assembly Facilities- – New, Existing and EBCx
- Residential Buildings – New, Existing and EBCx

The ASHRAE NB/PEI Chapter's first and only Technology Award was awarded to Stephen Tweedie in 1999 for outstanding achievement in energy-efficient building design for the Nova Institution, a Federal women's correctional facility located in Truro, Nova Scotia in the Institutional Buildings category.

ASHRAE Region II, of which the ASHRAE NB/PEI Chapter is a member has a history of winning many Society level awards, and we hope to submit winning projects of our own.

The ASHRAE NB/PEI Chapter will submit one entry for each of the 7 categories listed above to the Regional Competition. See [Technology Awards Program \(ashrae.org\)](https://www.ashrae.org/technology-awards-program) for more information, or reach out to your Chapter Technology Transfer Committee (CTTC) Chair, yves.savoie@englobecorp.com.



ASHRAE Job Board Jobs, jobs, jobs!

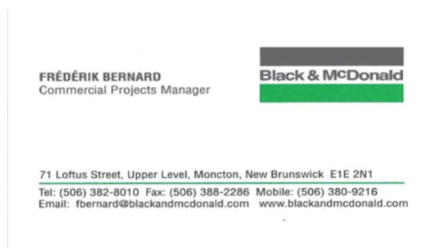
The ASHRAE Job Board offers the following benefits for job-seekers:

- Search and apply for relevant jobs quickly and effectively.
- Set up job alerts for immediate notification of job postings matching skills and interests.
- Anonymous profiles and resume uploads.
- Useful tips and tools for improving job searching effectiveness.
- Single sign-in for ASHRAE members.

Employers can:

- Put their positions in front of ASHRAE's unique audience of engineering experts.
- Manage jobs and applicant activity on the Job Board site.
- Search the ASHRAE Job Board's candidate database.
- Limit applicants to only those qualified.
- Quickly find the right professionals for their positions.

The Job Board can be found at www.ashrae.org/jobs. The Job Board is designed to assist members and other industry professionals along with ASHRAE's student program, Young Engineers in ASHRAE, education and certification programs.



Volunteering

Many Hands Make Light Work!

Are you looking for ways to get involved in your HVAC community? Well look no further! Reach out to any of our BOG members or our Membership Promotion chair and find out how you can get started today! Or better yet come sit in on one of our monthly meetings to get a feel for things and see if it's right for you.

Our Chapter is always looking for volunteers to take on Chair or Co-Chair positions, collaborate on committees, and share feedback and ideas on how we can strive to be better than we were yesterday. Whether you're a consulting engineer, contractor, equipment supplier, property manager, or student we welcome all. By volunteering with ASHRAE you'll get the satisfaction of contributing to a global organization by making local impacts, you'll get to network with a wide range of fellow members of the community, you'll gain the experience of working with a Board of Governors structured organization, and much more!

Reach out to any member from the BOG or to our Membership Promotion Chair: Matthew Peachman [mpeachman@cbcl.ca] to get started!



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2023-2024 Chapter Schedule

Can't make this one? Plan for the next meeting!

2023-2024 ASHRAE NB/PEI PROGRAM


Date	Topic	Presenter	Theme	Venue
September 12, 2023	Radon 101	Jeff Leblanc	Government Affairs/ Student Night	Legends Moncton Coliseum
October 17, 2023	VRF and the Transition to Slightly Flammable Refrigerants	Shawn Slaunwhite	Refrigeration Night	Legends Moncton Coliseum
November 14, 2023	Reducing Carbon Emissions and Achieving Enhanced Indoor Environments	Darryl Boyce	TBA	Legends Moncton Coliseum
December 12, 2023	Leadership Coaching	Gabriel Basque	Past-Presidents/ Student/ YEA	Legends Moncton Coliseum
January 9, 2024	Fire/Smoke Dampers	Phil Duncan	TBA	Legends Moncton Coliseum
February 13, 2024	Gas Detection Systems	Belimo	TBA	Legends Moncton Coliseum
March 12, 2024	Acoustics and Barrier Walls	TBA	TBA	Legends Moncton Coliseum
April 9, 2024	Refrigerant Phase Out	York	TBA	Legends Moncton Coliseum
May 1st and 2nd	Decarbonization	Don Colliver	Decarbonization	Moncton Coliseum
June 11, 2024	TBA	TBA	Membership/Tour	TBA

***On the scheduled dates above, the BOG meeting will typically begin at 4:00pm and the presentation at 6:00pm. Any changes to these times will be communicated in an email and on the website prior to the date.**



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Sales Representative

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2023-2024 Board of Governors The Knights of the Roundtable

Role	2023 - 2024 Executive/BOG	
President	Mike Boudreau	Executive
President Elect	TBD	Executive
Vice President	TBD	Executive
Research Promotion Chair	Kevin Clannon	Executive
Treasurer	Dan Boudreau	Executive
Secretary	Kelsey Edgecomb	Executive
Membership Promotion Chair	Matthew Peachman	BOG
Student Activities Chair	John Willden	BOG
Historian	Ryan Gosson	BOG
Chapter Technology Transfer Chair	Yves Savoie	BOG
Newsletter Editor	Brandon Cosman	BOG
Communications Chair	Brandon Cosman	BOG
Grassroots Government Affairs	Roch Couturier	BOG
YEA Chairs	Zach Thorne	BOG
Refrigeration	Vacant	BOG
Golf Tournament Chair	Ken Martin	BOG
Webmaster	Brandon Cosman	BOG
MEET Liason	Ken Martin, Devin Harinarine	BOG
BOG	Kristine Girard	BOG
BOG	Kevin Leger	BOG

Questions, comments, good HVAC jokes?

[ASHRAE NB PEI - Contact Us](#)



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