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## THE HERRING CHOKER ASHRAE NB/PEI CHAPTER

April 2024

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## Chapter Announcements

### 1. Top Company Membership Recognition Night!

ASHRAE is only successful because of its members; many of which are able to join and participate because of their company's generosity and support. We would like to recognize the top five companies in our NB/PEI chapter at the April meeting. Come join us at our monthly meeting on Tuesday, April 9th to celebrate the top companies!

*Matthew Peachman, Membership Promotion Chair, 2023-2024*  
Mpeachman@CBCL.ca

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### 2. Carpooling to Meetings

We've been delighted to see the participation from our student members at our meetings this year (shout out NBCC Saint John!). We know it can be

challenging to coordinate travelling to Moncton for these events, but we want to help out those in need with carpooling. If you are interested in carpooling, or if you would like to volunteer as a driver please reach out to us and we will do our best to make the connections!

Please reach out to either our Student Activities Chair, John Willden ([johnwillden@gmail.com](mailto:johnwillden@gmail.com)), or to our general inquiry email ([contact.ashraenbpei@gmail.com](mailto:contact.ashraenbpei@gmail.com)). We look forward to seeing more of you!

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### 3. MEET Show Volunteers

You may have heard the news that the MEET Show is back for 2024! (Full details provided below in the upcoming events section). ASHRAE will have a booth set up at the venue for marketing and interacting with peers of the industry. We are looking for volunteers who are interested in tending the booth. We are looking for 1 hour commitments and all our members are eligible. We try to schedule our volunteers to work the booth in groups of 2 so if you are new to ASHRAE have no fear we will pair you with a senior member. This is a great opportunity to network and to discover more about ASHRAE!

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### 4. 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](mailto:treasurerashraenbpei@gmail.com), or by mail to the following address:

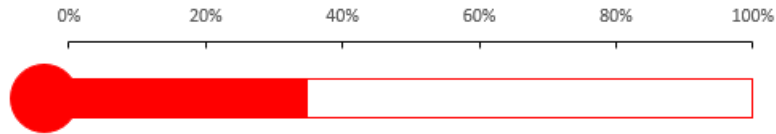
**ASHRAE NB/PEI CHAPTER**  
P.O. Box 1629  
Moncton New Brunswick  
E1C9X4

\*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!

\*April 2nd, 2024 Update: We have raised **\$870 / \$2,500**

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



## 5. 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](mailto:frederic.genest@NRCan-RNCan.gc.ca)

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## 6. 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).



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## Monthly Presentation

April 9th, 5:00PM - 8:00PM AST

### **TOPIC: Update on Refrigerant Phase Outs**

This presentation will review the current changes to refrigerant regulations that will affect much of the commercial packaged equipment that we use today. We

will be covering the upcoming changes to Canadian regulations, phase out timeline, and answer questions pertaining to the introduction of refrigeration leak detection systems in response to A2L refrigerants.

Recommended audience: Engineers, Contractors, Students, Building Owners

### **About the Presenter:**

#### **Patrick Watkinson, CET, TP – Master Group**

Patrick is a Certified Mechanical Engineering Technologist from Ontario, currently residing in Montreal, and has been working for the Master Group for 9 years, the last 3 years specifically as Commercial product specialist. Patrick has an advanced diploma from Algonquin College and has achieved certification as a Certified Engineering Technologist. He also holds his equivalency certification in the province of Quebec as Technologue Professionnel.

Patrick manages the Commercial portfolio at Master Group , continuously ensuring the Sales Distribution teams are aware of the latest technological changes with respect to product.



### **Event Details:**

**When:**

April 9th, 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, April 5th\*\*

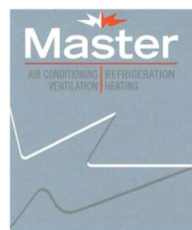
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**Maricor**  
 A Division of MCW Consultants Ltd.  
 77 Vaughan Harvey Blvd., Suite 200  
 Moncton, New Brunswick, E1C 0K2

Telephone: (506) 857-8880  
 Facsimile: (506) 859-8393  
 Internet: www.mcw.com

Moncton Saint John Halifax Truro Toronto Winnipeg Edmonton Vancouver



Kevin Clannon, CET  
 Senior Applied Sales  
 Specialized Equipment  
 kclannon@master.ca

T 506-382-8625  
 C 506-875-0675  
 F 506-382-8626  
 1 888 577-8625

The Master Group L.P.  
 186, Dieppe Blvd.  
 Dieppe (NB) E1A 6P8  
 MASTER.CA

**Research Promotion**

**Knowledge is Power**

Content in progress... Check back next month!

<p><b>uponor</b></p> <p><b>Bill Hooper, CET</b> Regional Sales Manager Atlantic</p> <p>T (506)651-5348 D (506) 849-1088 F (506) 849-1089 W <a href="http://www.uponorpro.com">www.uponorpro.com</a> E <a href="mailto:bill.hooper@uponor.com">bill.hooper@uponor.com</a></p> <p>Uponor Ltd. 87 Auburn Way Quispamsis NB E2E 5C3 Canada</p>	<p><b>Michael J. McCabe, P.Eng.</b> Senior Mechanical Engineer Team Leader, Mechanical Engineering</p> <p><a href="mailto:Michael.McCabe@englobecorp.com">Michael.McCabe@englobecorp.com</a></p> <p>T. 506-857-2777, 178054</p> <p><b>ENGLOBE</b></p>	<p>Moncton Saint John Fredericton Edmundston Dartmouth Mount Pearl</p> 
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## Recap of Past Events

### In Case You Missed It...

We kicked off our March meeting by awarding our Glen Cowan Memorial Scholarship to Isaac Clannon.

Isaac is a second year Mechanical Engineering Technology student at NBCC. And in case you haven't made the connection he is also (ASHRAE NB/PEI Past President) Kevin Clannon's son! It seems HVAC runs in the family. Congrats Isaac!



## Acoustics and Barrier Walls

In our recent meeting on March 12th we were joined by Kristen Neath of Kinetics Noise Control. Attendees were treated to a comprehensive overview on the topic of HVAC acoustics in urban developments and the solutions we have available. Here's a recap of the key points covered:

- 1. Fundamentals of Noise and Sound:** Kristen started by delving into the basics of noise and sound, explaining how noise means unwanted sound, whereas sound itself is a propagating disturbance in a fluid or solid. We discussed sound sources, paths and receivers, as well as the characteristics of sound defined by frequency (pitch) and wavelength.
- 2. Outdoor Sound Paths:** The presentation then moved on to discuss outdoor sound paths, focusing on how sound travels in outdoor

environments and the challenges this poses for noise control. Kristen highlighted the distinction between sound power and sound pressure; where sound power is a measurement of sound at its source and pressure is what is measured by the receiver after being affected by the path it travels (i.e., distance and obstructions). Outdoor equipment have multiple sound paths whether it be intakes, discharges, radiated sound or compressor noise to name a few.

3. **Environmental Noise Control Products:** There are a range of environmental noise control products in the industry designed to mitigate noise pollution from HVAC systems. These products include sound absorption materials such as metal absorptive panels or quilted absorbers, acoustic panel/barriers, sound curtains, airflow attenuators such as silencers, and acoustic louvers.
4. **Design Solutions and Considerations:** Kristen emphasized the importance of integrating noise control measures into the design phase of HVAC systems. She shared insights into best practices and considerations for designing quieter HVAC systems, such as equipment placement, ductwork design, and vibration isolation.
5. **Outdoor Noise Control Examples:** The presentation concluded with real-world examples of successful outdoor noise control projects showcasing how solutions have been implemented in various commercial settings, demonstrating an effectiveness in reducing noise levels and enhancing the overall environment.

Overall, the presentation provided valuable insights into the complexities of HVAC noise control in commercial settings and offered practical strategies for addressing these challenges. Attendees gained a deeper understanding of noise control fundamentals, innovative products, and design considerations, making it a highly informative and impactful session!

*Brandon Cosman, Communications Chair, 2023-2024*  
Brandon.Cosman@PMCEnergy.ca



Research Promotion Chair, Kevin Clannon, giving our guest speaker, Kristen Neath, some cool ASHRAE swag





## 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.

### The Moncton MEET Show 2024

May 1st and 2nd, 2024 - Moncton Coliseum

The Mechanical Electrical Electronic Technology (MEET) show is returning to Moncton! Featuring the latest equipment, products, and technology on the horizon, 2024 will be the twenty-fifth edition of this key trade event. You can expect to see cutting-edge innovations, informative seminars, and engage in unique networking opportunities with industry leaders.

The biennial show serves as a showcase for professionals in both the mechanical and electrical industries, from throughout North America. Don't miss your chance to join thousands of fellow industry professionals and see what lies ahead in your sector.

RESERVE YOUR **COMPLIMENTARY 2-DAY PASS** BY  
PRE-REGISTERING ONLINE USING PROMO CODE:

**MEET2005**

<https://secure.masterpromotions.ca/MEET/?MEET2005>

COMPLIMENTS OF:

**ACME - Atlantic Canada Mechanical Exhibitors**



For more information on this exciting event, visit [www.meetshow.ca](http://www.meetshow.ca)

(Not valid after April 26, 2024)

\*ASHRAE NB/PEI will be hosting distinguished lecturer, Don Colliver, at the MEET show who will be presenting both days of the show. The schedule of the presentations will be determined closer to the date, but be sure to tune in to the following!

Topic 1 – Building Decarbonization Basics

Topic 2 – The Science Behind Climate Change and Decarbonization

## **ASHRAE Region 2 CRC**

**August 23-25, 2024 - Toronto, ON**

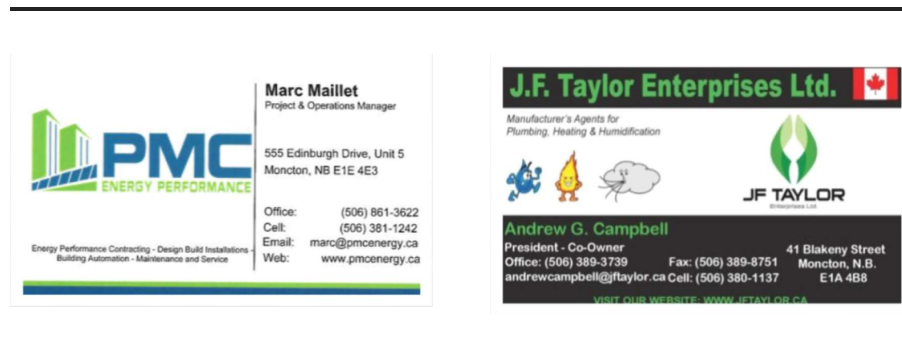
The Chapter Regional Conference for ASHRAE's Region 2 is being hosted this year in Toronto. We'll update this section as more information becomes available.

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

## **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](#)



## **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 \(ashrae.org\)](#) for more information, or reach out to your Chapter Technology Transfer Committee (CTTC) Chair, [yves.savoie@englobecorp.com](mailto: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](http://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.

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<p><b>FREDÉRIK BERNARD</b> Commercial Projects Manager</p> <p><b>Black &amp; McDonald</b></p> <p>71 Loftus Street, Upper Level, Moncton, New Brunswick E1E 2N1 Tel: (506) 382-8010 Fax: (506) 388-2286 Mobile: (506) 380-9216 Email: fbernard@blackandmcdonald.com www.blackandmcdonald.com</p>	<p><b>AEM</b> <b>Advanced Energy Management Ltd.</b> <i>Putting our energy into saving yours</i></p> <p>222 Edinburgh Drive, Unit 1 Moncton, NB E1E 4C7</p> <p><b>Doug Briggs</b> Technical Sales Representative</p> <p>Tel: (506) 857-0818 Ext 681 Fax: (506) 857-0867 Cell: (506) 878-7092 Email: dbriggs@aemltd.com Web: www.aemltd.com</p> <p><b>ALERTON</b> AUTHORIZED DEALER</p>
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## 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](mailto:mpeachman@cbcl.ca)] to get started!



**Jarrett G. Steele, PEng**  
Test & Balance Engineer  
  
Fredericton, NB  
tel (506) 206-1511  
fax (506) 206-1213  
[jsteele@steeleengineering.ca](mailto:jsteele@steeleengineering.ca)



**mpeachman@cbcl.ca**  
P 506-633-6650 x3237  
C 506-651-8993

**CBCL Limited**  
CenterBeam Place  
14 King Street, Suite 420  
PO Box 20040  
Saint John, NB E2L 1G2  
506-633-6650

**Matthew Peachman,**  
PEng., LEED® AP, BD + C  
Principal  
Group Lead, Buildings, NB

**CBCL.ca**



120 Rideout Street,  
Moncton, NB, E1E 1E2  
[www.aquavapgroup.ca](http://www.aquavapgroup.ca)  
  
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Branch Manager  
  
[rmorash@yorkland.net](mailto:rmorash@yorkland.net)  
[yorkland.net](http://yorkland.net)

d. 902-481-4535  
t. 902-481-7590  
f. 902-481-7587  
m. 902-877-3852  
tf. 877-733-3833

## 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	DJ Chisholm	TBA	Legends Moncton Coliseum
March 12, 2024	Acoustics and Barrier Walls	Kristen Neath	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.**



**Brad McAllister**  
Sales Representative

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P.O. Box 373  
Michigan City, IN 46360

M: 506-875-4628  
F: 219-872-9057  
jefoster@dwyermail.com

**Jeff Foster**  
Canadian Regional Sales Manager III  
HVAC/IAQ MONCTON, NEW BRUNSWICK

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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, Justin Cosman	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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