



THE HERRING CHOKER ASHRAE NB/PEI CHAPTER

June 2023

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Chapter Announcements

1. Annual Golf Tournament (Save the Date!) - ***CORRECTION TO DATE***

This year's annual golf tournament will be held on Thursday **August 17th** at the Moncton Golf & Country Club. More details will follow in a future email. But for now save the date and start assembling your dream teams!

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

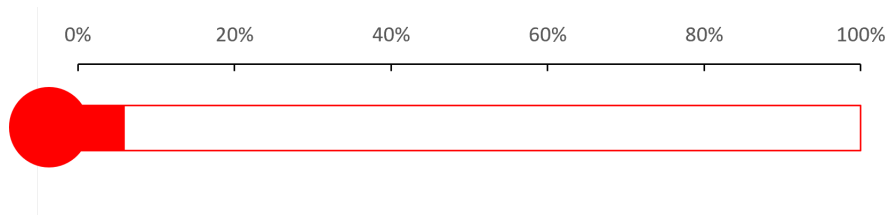
P.O. Box 1629
Moncton New Brunswick
E1C9X4

*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!

*June 2nd, 2023 Update: We have raised **\$150 / \$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. Obituary: Val Chongva 1949-2023

The NB/ PEI Chapter is saddened by the passing of Val Chongva on May 22, 2023. Val was the wife of former chapter president, the late, Dwight Scott. Our thoughts and prayers are with her family at this time.

For full obituary please visit [here](#).

5. 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).



June Meeting (Tour)

June 13th, 10:00AM - 4:00PM AST

Join us for a tour of the University of PEI's Sustainability Department on Tuesday, Jun 13th.

This is a fantastic opportunity to explore the University of Prince Edward Island and learn about their innovative approaches to energy efficiency and sustainability. The tour will be led by experts in the field and will provide valuable insights into the latest trends and technologies.

Whether you're a seasoned professional or just starting out in the industry, this event is sure to be a valuable learning experience. So don't miss out - register today and join us for the **ASHRAE NB/PEI June 2023 - Tour of UPEI!**



Event Details:

PLEASE NOTE: We will not be charging for this event and lunch is not provided. We will be stopping at a restaurant once we arrive and the attendees

will need to pay for the meals of their choice.

Attendees are encouraged to carpool to the event. We will be meeting in the parking lot of the Moncton Coliseum in front of Legends' entrance. When registering you will be asked questions about your interest in carpooling. If you choose to drive others you will be reimbursed for gas and the bridge toll. If you have any questions about this please reach out to Kevin.Clannon@Master.ca .

AGENDA

When: June 13th, 2023

Location: UPEI - 550 University Ave, Charlottetown, PE

10:00am: Meet at Moncton Coliseum parking lot in front of the Legends entrance and carpool

12:00pm: Arrive in PEI and get lunch (*not included*)

1:00 ~ 1:30pm: Tour of UPEI (1 hour)

2:00 ~ 2:30pm: Travelling Home

We hope our ASHRAE PEI members are able to join us on this special occasion!

Note: Please RSVP through EvenBrite for this event by noon on Friday June 9th so we can finalize our numbers and coordinate ride sharing.

[Click Here to Register](#)



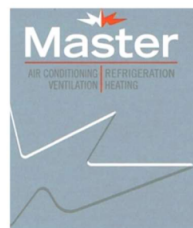
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Research Promotion
Knowledge is Power

ASHRAE Research Promotion Canada

Consider this as a chance to contribute to the world's knowledge of air quality, thermal comfort and energy efficiency

Have you donated to ASHRAE Research? Has your Company donated?

Several companies didn't donate last year because no one asked.

Donate online here: [ASHRAE Research Promotion Donations](#)

The portion of research funds coming to Canadian labs and universities is here: [ASHRAE Research Canada](#)

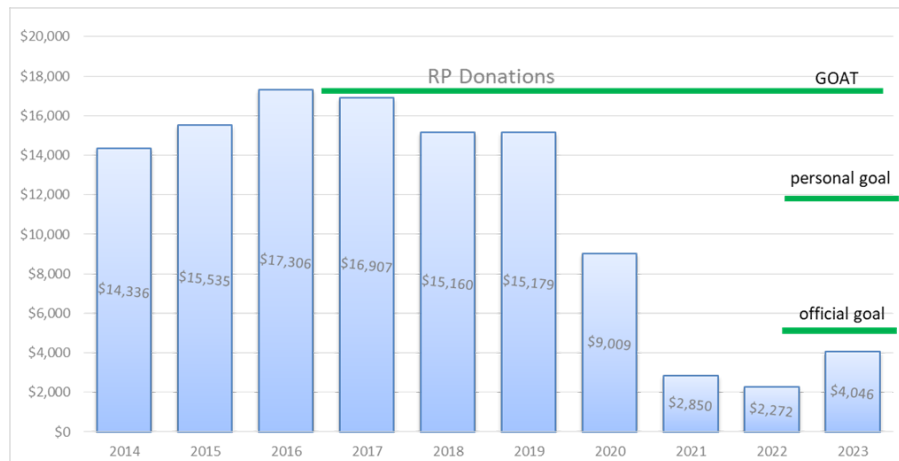
The final push will be from now till June 19th when we wrap up the paper cheques and encourage companies to fulfill their pledges.

A fun fact is the ASHRAE members who were on the Covid Epidemic Task Force: [COVID Task Force Members List](#)

Take a Look Our RP History

Those horizontal bars represent the official target 5,000 and my personal target 12,000.

It should be quite doable since before Covid we were in that ballpark. Our thanks to the donors and to **Mike Boudreau** for running a very successful campaign in 2016.



Recognition for 2022 RP Donors

During the 2023 ASHRAE Winter Conference President's Lunch, ASHRAE recognized the ongoing support of the RP Campaign's Major Donors and several RP milestones.

Since 1959, ASHRAE has invested over \$150 Million into research projects, grants and awards that further industry research, education, scholarship, and society activities.

The RP Annual Campaign reached several milestones in 2021-22. These

milestones include:

Raised an astounding \$2.5 million! This is all due to the amazing teamwork of our RP Committee and volunteers all over the world.

More than **4,400 ASHRAE members, businesses, and friends** of ASHRAE made gifts.

Two Chapters each raised over \$120,000: Congratulations Rocky Mountain in Region IX (Taylor Reese) and Houston in Region VIII (Catherine Tinkler)!

Gifts through RP helped to fund **64 ASHRAE Scholarships** and 42 research projects.

The **Benefactor, Platinum Circle, and Golden Circle Investors are the backbone of ASHRAE Research** and the annual campaign that support ASHRAE's many programs. Thanks to their annual investments of at least \$30,000 for ASHRAE Benefactor, \$20,000 for Platinum Circle and \$10,000 for Golden Circle, ASHRAE can continue to be the industry leader in HVAC&R research.

Jaideep Karnik, the 2021-22 RP Chair, recognized:

Benefactor Donors – **Daikin and Texas AirSystems**

Platinum Circle Donors – **AAON, Climate Control Group, Fortis BC, Trane, Western Mechanical Solutions**

Golden Circle Donors - **Carrier, CFM, Gray Metal Products, Michael Hart, JMP Equipment Company, Johnson Controls, Johnson Controls – Houston, Nortek Air Solutions, The Master Group, Vicon**

Bobbie J. Vermillion Pinnacle Award winner – Houston ASHRAE Chapter

These donors support not only the unique technical research programs that ASHRAE implemented more than 100 years ago, but also ASHRAE's comprehensive educational activities, Scholarships, and YEA - Young Engineers in ASHRAE.

To learn more about RP Campaign programs and how to support them, visit the RP Campaign page at www.ashrae.org/rp.

John G. Willden, Research Promotion Chair 2022-23
JohnWillden@Gmail.ca

Recap of Past Events

In Case You Missed It...

May Presentation

On May 9th we were joined by Master Groups's Emilie Boyer to discuss how we can leverage low water temperatures to optimize hydronic heating systems.

To set the stage we define a low temperature system as one that uses water temperatures no higher than 130F. This is much lower than the conventional 180-200F systems we are used to seeing. The benefit of designing around low water temperatures is that it opens the door for alternatives to gas and electric boilers; technologies that have previously been limited due to their lower, albeit more efficient, heating output. This makes air-source heat pumps (ASHPs) the ideal candidate for these systems since they are able to produce the desired low temperature water while operating with efficiency. Not to mention carry the benefit of zero on-site emissions.

We discussed the latest market trends in how systems are moving towards air-source heat pumps and are being redesigned for low temperature water. Because there is less heating energy available in the loop accommodations must be made in the terminal zones by adding larger radiators and larger coils to maintain the same output and comfort. It's important to mention that "larger" in this case typically means adding an extra row or two to a coil and may not necessarily affect the terminal unit footprint.

The two rules to keep in mind with ASHPs is to: 1) maintain adequate water flow rate, and 2) ensure the system has enough water volume (adding buffer tanks as needed to maintain minimum loop time). If you abide by these rules you will save yourself much trouble!


It was another fascinating and engaging presentation for the chapter and we are pleased with the turnout. This topic has also coincidentally kept up with the recent theme of decarbonizing using ASHPs for low temperature heating systems. It could be that this is a sign of the direction the industry is heading in as we explore creative designs to build for efficiency and towards our zero emission future.

Brandon Cosman, Communications Chair, 2022-2023

Brandon.Cosman@PMCEnergy.ca



Kevin Clannon (Chapter President) with guest speaker Emilie Boyer (Master Group)

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Upcoming Events

The Future is Bright

ASHRAE HVAC Level I & Level II Design Training (Toronto)

June 12-16th, 2023

ASHRAE is hosting 2 HVAC design training courses in Toronto. Each course is 2 days in duration with the first covering HVAC essentials and the second covering applications. All are welcome to register and you may choose both or a single program. Below is a description of each:

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.

For more information please refer to the link below.

[ASHRAE HVAC Design Training](#)

ASHRAE NB/PEI Annual Golf Tournament [DATE CORRECTED]

Aug 17th, 2023

Our chapter will be hosting the annual golf tournament on Thursday, **August 17th** this summer! Save the date for now. A separate email will be sent out to our members in the coming weeks with more details on how to register. We look forward to another great event!

ASHRAE Region II CRC (London, ON)

Aug 25-27th, 2023

The ASHRAE Region II CRC (Chapters Regional Conference) is coming up in August and will be hosted in London, Ontario. Be sure to register your spot!

For more information please refer to the link below:

[ASHRAE Region II CRC 2023](#)



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.



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.

<p>FRÉDÉRIK BERNARD Commercial Projects Manager</p> <p>Black & McDonald</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>AEM Advanced Energy Management Ltd. <i>Putting our energy into saving yours</i></p> <p>Doug Briggs Technical Sales Representative</p> <p>222 Edinburgh Drive, Unit 1 Moncton, NB E1E 4C7</p> <p>Tel: (506) 857-0818 Ext 681 Fax: (506) 857-0867 Cell: (506) 878-7092 Email: dbriggs@aemtd.com Web: www.aemtd.com</p> <p>ALERTON 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] to get started!

<p>STEELE ENGINEERING LIMITED</p> <p>Air & Water Balancing</p>	<p>Jarrett G. Steele, PEng Test & Balance Engineer</p> <p>Fredericton, NB tel (506) 206-1511 fax (506) 206-1213 jsteele@steeleengineering.ca</p>	<p>CBCL</p> <p>Matthew Peachman, PEng., LEED® AP, BD + C Principal Group Lead, Buildings, NB</p> <p>mpeachman@cbcl.ca P 506-633-8650 x3237 C 506-651-8993</p> <p>CBCL Limited CenterBeam Place 14 King Street, Suite 420 PO Box 20040 Saint John, NB E2L 1G2 506-633-8650</p> <p>CBCL.ca</p>
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2022-2023 Chapter Schedule

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

2022-2023 ASHRAE NB/PEI PROGRAM

Date	Topic	Presenter	Theme	Venue
September 13, 2022	Decarbonization with Air-source Heating	Mike Genin, P.Eng	Government Affairs/ Student Night	Alma City Club, Moncton
October 11, 2022	Laboratory Control and Isolation Room Control Strategies	Stephan Riffault, P. Eng	Student/Gov	Alma City Club, Moncton
November 8, 2022	ASHRAE NB/PEI Chapter 50th Anniversary	President-Elect Ginger Scoggins	Past Presidents	Legend's Lounge, Moncton
December 13, 2022	VRF System Panel Discussion	Panelists	Refrigeration	Alma City Club, Moncton
January 10, 2023	Cybersecurity in Building HVAC Systems	Misty Givens	YEA (Young Engineers In ASHRAE)	Alma City Club, Moncton
February 16, 2023	New Brunswick Bill 12: Construction Remedies	Jeff Delaney	RP (Research Promotion)	Alma City Club, Moncton
March 14, 2023	Advanced SMR Development: An Update from NB Power	Chantal Daigle- Verrier, Will Higgins	Sustainability	Alma City Club, Moncton
April 11, 2023	Fuel Switching with Air-to- Water Heat Pumps	Chris DesRoches, P. Eng	TBA	Alma City Club, Moncton
May 9, 2023	Optimizing Heating/Hydronic Systems with Low Temperature	Emilie Boyer, Ing	TBA	Alma City Club, Moncton
June 13, 2023	UPEI Sustainability Tour	UPEI Faculty	Membership/Tour	UPEI, PEI

***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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2022-2023 Board of Governors

The Knights of the Roundtable

Role	2022 - 2023 Executive/BOG	
President	Kevin Clannon, CET	Executive
President Elect	Mike Boudreau	Executive
Vice President	John Willden, PE	Executive
Research Promotion Chair	John Willden, PE	Executive
Treasurer	Dan Boudreau	Executive
Secretary	Jennifer Chapman	Executive
Membership Promotion Chair	Matthew Peachman	BOG
Student Activities Chair	Ted White	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	Zach Thorne	BOG
YEA Chairs	Roch Couturier	BOG
Refrigeration	Harold Gallant	BOG
Golf Tournament Chair	Jason Nelson	BOG
Webmaster	Brandon Cosman	BOG
MEET Liason	Kenneth Martin & Devin Harinarine	BOG
Golf Tournament Chair	Jason Nelson	BOG
BOG	Ryan Butler	BOG
BOG	Chris Ashton	BOG
BOG	Kevin Leger	BOG

Questions, comments, good HVAC jokes?
[ASHRAE NB PEI - Contact Us](#)



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