



THE HERRING CHOKER ASHRAE NB/PEI CHAPTER

October 2022

Table of Contents

- [Chapter Announcements](#)
- [BOG Meeting & Presentation](#)
- [Research Promotion](#)
- [Recap of Past Events](#)
- [Upcoming Events](#)
- [Awards & Scholarships](#)
- [Volunteering](#)
- [2022-2023 Chapter Schedule](#)
- [2022-2023 Board of Governors](#)

Chapter Announcements

1. ASHRAE NB/PEI Chapter's 50th Anniversary: Fall 2022 marks the 50th anniversary of the ASHRAE NB/PEI Chapter. This will be taking place on the evening of November 8th in Moncton. More details will follow. Save the date for now and we hope to see you there to celebrate with us!

2. Energy Efficiency Day 2022: In recognition of the 7th annual national Energy Efficiency Day (**#EEDay2022**) on Wednesday, October 5th, 2022, the **ASHRAE NB/PEI Chapter** is joining regional and national organizations, businesses, utilities, universities, and individuals in promoting energy efficiency – the cheapest, quickest way to meet our energy needs, cut utility bills, and reduce pollution.

ASHRAE has a direct interest in, and concern, with energy issues and is one of the few organizations with the expertise, membership, and a mission to directly address energy efficiency in current and future buildings. In November 2019, ASHRAE's board of directors approved an official position document expressing society's views towards energy efficiency in buildings. This position document makes the case that while reduction in building energy use and improvement in

equipment efficiency have both improved substantially in the past 40 years, additional energy efficiency improvements are not only achievable but often the most cost-effective strategies in both new and existing buildings to achieve a more sustainable world.

ASHRAE believes that energy efficiency in both buildings and equipment should be pursued aggressively in building design and heating, ventilation, air conditioning, and refrigeration (HVAC&R) equipment selection, and before considering the implementation of any on-site energy generation. Adherence to energy codes, standards, benchmarks, ratings, and disclosure of building energy are all effective tools for improving energy efficiency.

Through robust and sustained funding of research and development by governments, utilities, and nongovernmental organizations such as ASHRAE, we believe that continued improvement of building energy use efficiency technologies is possible. To learn more about ASHRAE's ongoing contributions to energy efficiency visit <https://www.ashrae.org/>, or follow us on LinkedIn and join the conversation using **#EEDay2022**.

About #EEDay2022: On Wednesday, October 5th, 2022, a growing network showcases the vital benefits of energy efficiency during the 7th annual nationwide Energy Efficiency Day. Learn how we can all save money, cut pollution, create jobs and more at www.energyefficiencyday.org

Zach Thorne, Grassroots Government Affairs Chair 2022-2023
Zach.Thorne@PMCEnergy.ca



BOG Meeting & Presentation

October 11th, 3:30PM - 8PM AST

TOPIC: Laboratory Control and Isolation Room Control Strategies

Laboratory environments are applications that require advanced and reliable control strategies. There is a delicate balance to be maintained in order to ensure safety and comfort while minimizing energy usage.

The presentation will discuss some traditional approaches to lab controls and discuss ways that they can be enhanced to improve reliability, performance and efficiency. Also, some insight will be given to additional applications and equipment than can be incorporated into a "smart" lab application, allowing more advanced and global approaches to running a laboratory facility.

Recommended audience: Engineers, architects, contractors, facility managers, educators, students, sustainability coordinators

About the Presenter: Stephan Riffault, P.Eng

Stephan Riffault, P.Eng. is a mechanical engineer with over 25 years' experience in the HVAC and automation industry. He has worked both as a consultant and contractor and has assumed many roles including design, project management and sales. He has been involved with Regulvar's multiple laboratory controls projects for over 15 years.



Event Details:

When: October 11th, 2022

Location: Alma City Club - 114 Alma St, Moncton, NB

3:30pm - 5:00pm: BOG Meeting

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

6:00pm - 7:00pm: Presentation

7:00pm: Dinner is Served

Pricing (for meals only, presentation is free with registration):

ASHRAE Members - \$30

Non-Members - \$55

Students & Retirees - \$20

Meal Options:

Appetizer: Chef's choice

Main: Choose from either Haddock Provincial* or Chicken Cordon Blu**

Desert: Chef's surprise


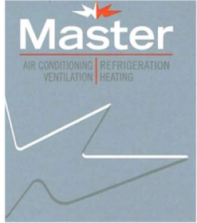
*Haddock Provincial is haddock fillet dipped in egg topped with provincial sauce
Served with Potatoes and vegetables.

**Chicken Cordon Blu is grilled chicken breast stuffed with ham and cheese
served with potato and mixed vegetables.

Note: Please RSVP through EvenBrite for this event by 12:00pm Monday Oct
10th to ensure you get your meal order entered.

****Please RSVP by Monday October 10th at 12pm.****

[Click Here to Register](#)

 Maricor <small>A Division of MCW Consultants Ltd.</small> 77 Vaughan Harvey Blvd., Suite 200 Moncton, New Brunswick, E1C 0K2 Robert McEwen, P. Eng. Mechanical Design Engineer Associate Telephone: (506) 857-8880 Cell: (506) 874-6042 Facsimile: (506) 859-8393 E-mail: rmcewen@mcw.com Internet: www.mcw.com <small>Moncton Saint John Halifax Charlottetown Thuro Toronto Winnipeg Vancouver</small>	 Kevin Clannon, CET Senior Applied Sales Specialized Equipment kclannon@master.ca T 506-382-8825 C 506-875-0675 F 506-382-8826 1 888 577-6625 The Master Group L.P. 186, Dieppe Blvd. Dieppe (NB) E1A 6P8 MASTER.CA
---	---

Research Promotion

Knowledge is Power

October is the Chapter's 50th anniversary and the Executive will be donating.
We've received the Full Circle Award for these donations for many years past.

We will be celebrating our 50th anniversary at our November meeting because
we hope to have some VIPs from society present for the occasion. They will be
at a meeting in Istanbul during our October meeting! November's meeting will
be Research Promotion Night.

We have had our first RP meeting where we reviewed the list of past donors
and updated the contact list. We then added new companies that have started
operating in the area. Many of these companies have ASHRAE members as
employees so we ask you to help us make the right contacts for Research
Promotion gifts.

- The main use of donations is for research projects that are initiated by
members, industry and ASHRAE's research Committee.
- To review current Canadian research see this link:
[https://www.ashrae.org/technical-resources/research/ashrae-research-
canada](https://www.ashrae.org/technical-resources/research/ashrae-research-canada)
- See below for a list of research topics covered in the past view (click the
table below to open in browser).



ASHRAE Research...
it's what's
INSIDE
that COUNTS

1447-RP	Performance of Pressurized Stairwells with Open Doors
1631-RP	Countertop Commercial Appliance Emissions
1649-RP	IAQ and Energy Implications of High Efficiency Filters in Residential Buildings
1696-RP	Thermal, Moisture and Air Transport Property Values for New Building and Insulating Materials
1755-RP	Impact of Gaseous Contamination and High Humidity on the Reliable Operation of Information Technology Equipment in Data Centers
1767-RP	Proposed Moist Air transport Properties Research
1807-RP	Guidelines for Flammable Refrigerant Handling, Transporting, Storing and Equipment Servicing, Installation and Dismantling
GIA 15-16	Ventilated Semi-open Space for Thermal Comfort and Air Quality Control
GIA 15-16	Evaluating energy consumption and indoor environmental quality in historic buildings
GIA 15-16	Assessing effectiveness of HVAC configuration for preventing hospital acquired influenza transmission to health care
GIA 16-17	Development and Validation of a Novel Approach to Quantify the Impact of Human Exposure to Particle-Bound Contaminants in the Indoor Environment
GIA 16-17	Occupant modeling for prediction of comfort and building energy performance in office spaces
GIA 16-17	Transport of Indoor Biological Dust
GIA 16-17	Effectiveness of Ultraviolet Germicidal Irradiation (UVGI) Systems in Air Handling Units in Enhancing IAQ and Energy Performance
GIA 16-17	Humans as Sources or Sinks of Volatile Organic Compounds in Built Environment: Measurements and Implications to Indoor Air Quality Assessment

For more information on these projects visit:
www.ashrae.org/researchproject

Research money is also used by ASHRAE to:

- add data to handbooks
- offer courses both online and in-person
- student scholarships
- create standards
- publish research, Journal Articles, support Technical committees

Officer RP Donations for This Year 2022-23

It is tradition that the chapter officers donate \$150 each to show support for research and the other main activities of ASHRAE. This results in a full circle award at the CRC in August.

This year the officers are:

Kevin Clannon – President
Mike Boudreau – President Elect
John G. Willden – VP and Research Promotion
Dan Boudreau – Treasurer
Jennifer Chapman – Secretary

John G. Willden, VP and RP Chair 2022-23
johnwillden@gmail.ca

2023 Company Donors (so far):



Recap of Past Events

In Case You Missed It...

September Presentation

On September 13th Mike Genin, P. Eng, from Advance Industrial Refrigeration, and who also sits as Regional Vice Chair of Government Affairs for ASHRAE Region II (Eastern Canada), joined us at the Alma City Club to present on ***Decarbonization with Air-Source Heating***. He began the presentation with an overview of ASHRAE's Task Force for Building Decarbonization (TFBD) that was formed in Spring 2021. The TFBD is an initiative to develop new standards and resources aimed at reducing emissions from the buildings sector, and more specifically to achieve zero emissions across a building's entire life cycle (from production of materials, construction, use, and finally end of life decommissioning). More information on the Task Force can be found [here](#).

After discussing ASHRAE's new role in building decarbonization we segued into the biggest challenge we as cold climate inhabitants face; that is heating in winter. As Canadians it is common to use natural gas, propane and oil for heating in the winter. Because of the low cost and high heat output this has been the traditional go-to option for many buildings. The principle of decarbonization tells us that we need to eliminate any source of GHG emissions on site, which is to say heat the building with electrical energy. This isn't always the most convenient alternative since you could be adding a major electric demand to your building that you did not previously have, and scale this across every building on the grid and there may be problems associated with the utility company keeping up with the sudden added demand. One technology that has shown promise to bridge the need between heating and electrification is the air-source boiler.

An air-source boiler works much the same way as an air-source heat pump except that it is configured to only provide heating and therefore does not have a reversing valve. With this type of configuration the compressor can be optimized to produce the most heating capacity since it no longer has to take a balanced approach of cooling & heating performance. These types of units can produce similar water temperatures as boilers and can operate to cold climate ambient temps at reduced capacities. The nature of heat pumps is that they are able to achieve much higher efficiencies than standard electric heating which

will help alleviate the added electrical demand that comes with decarbonizing. By leveraging the properties of a refrigeration cycle it's not uncommon to achieve COPs of 2 to 3, or in some cases if combined with exhaust air heat recovery upwards of 11 COP!


If we're going to achieve our climate goals and fully decarbonize our buildings we will need to look to these new technologies and designs that will work for our climate. Air-source boilers appear to be a step in the right direction and we thank Mike for his time in educating us on the technology.

Brandon Cosman, Newsletter Editor 2022-2023

Brandon.Cosman@PMCEnergy.ca



Mike Genin on the left receiving a speaker gift from President Kevin Clannon.



BALTIMORE AIRCOIL COMPANY

Gerry Waselychuk *President*
BAC Represented By: gerry@aquavapgroup.ca
AQUAVAP INDOTEC AGENCIES (NB) INC. 506.857.8788 tel
506.857.9890 fax

120 Rideout Street - Moncton, NB E1E 1E2 - www.BaltimoreAircoil.com



Englobe

David Simpson, PTEch
Senior Project Manager
Moncton Mechanical Engineering Team Leader

Tel.: 506.857.2777 ext. 178077
Cell.: 506.378.3722
david.simpson@englobecorp.com

1077 St. George Blvd., Suite 400
Moncton, New Brunswick, Canada E1E 4C9
englobecorp.com



GLOBAL
Mechanical Systems Ltd.
www.globalmech.com

Your complete
HVAC
Supplier!

290 Baig Blvd.
Suite B14
Moncton, NB
E1E 1C8

Ph: (506) 857-4887 Fax: (506) 857-1989



EMCO CORPORATION

KELSEY EDGECOMBE, EIT
Sales Engineer and Design Support

136 English Drive
Moncton, NB E1E 4G7
kedgecombe@emcoltd.com
www.emcoatlantic.ca

Phone: (506) 853-1440
Fax: (506) 853-1457
Cell: (506) 874-2167

Upcoming Events
The Future is Bright

CIET CEM & EBCx Training Opportunities Sponsored by NB Power

Various Dates - Fall 2022

CIET is offering Fall courses for becoming a Certified Energy Manager (CEM) and for Existing Building Commissioning (EBCx). NB Power is sponsoring these training sessions and offering a reduced cost to 20 New Brunswick-based attendees, one per company on a first-come first-served basis. Courses are offered in both English and French and more details can be viewed at the links below. Please direct all questions pertaining to this training opportunity to CEES-SEEC@nbpower.com.

For full details in English click here: [More Details](#)

Pour les détails en français cliquez ici: [Plus de Détails](#)

Energy Efficiency and Climate Change Workshops - NBCC

October 3rd through 19th, 2022

NBCC and NB Power have teamed up to offer **FREE** workshops to business owners/operators on the following topics:

- Energy Efficiency Retrofits for Small Businesses
- Climate Change and Greenhouse Gas Accounting
- Refrigerant Awareness

These workshops will be available at NBCC campuses throughout NB during the month of October. Check out the link to see a full schedule and more details: [More Details](#)

ASHRAE NB/PEI Chapter's 50th Anniversary - Save The Date

November 8th, 2022

2022 marks the ASHRAE NB/PEI Chapter's 50th year anniversary since formation. While we sort out the final details we want to give you a heads up so you can save the date and celebrate with us!

Full details will come in November's Herring Choker.



Marc Maillet
Project & Operations Manager

555 Edinburgh Drive, Unit 5
Moncton, NB E1E 4E3

Office: (506) 861-3622
Cell: (506) 381-1242
Email: marc@pmcenergy.ca
Web: www.pmcenergy.ca

Energy Performance Contracting - Design Build Installations -
Building Automation - Maintenance and Service



J.F. Taylor Enterprises Ltd.

Manufacturer's Agents for
Plumbing, Heating & Humidification



Andrew G. Campbell
President - Co-Owner

Office: (506) 389-3739 Fax: (506) 389-8751
andrewcampbell@jftaylor.ca Cell: (506) 380-1137

41 Blakeny Street
Moncton, N.B.
E1A 4B8

VISIT OUR WEBSITE: WWW.JFTAYLOR.CA

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 .

2. Glen Cowan Memorial Scholarship

Eligibility:

A high school graduate who is the immediate family member of a Chapter Member in good standing and who is enrolled in a University or Community College program. Consideration will also be given to students who are already enrolled and are continuing a University or Community College program.

Selection Criteria:

Academic results, financial need and extra-curricular activities

Amount:

\$1,000

Deadline to Apply:

October 31, 2022 and submit to treasurerashraenbpei@gmail.com

The Application form can be downloaded here: [Glen Cowan Memorial Application](#)

3. ASHRAE Society Scholarship Program

The ASHRAE Society offers many scholarships to both undergraduates and high school seniors who are entering post-secondary education. A full list of available scholarships and application forms can be viewed [clicking here](#). Please note that some Scholarships may not apply to our locality as they may be University/College specific, etc...

Selection Criteria:

The selection process can be seen in detail by clicking the link above.

Amount:

Ranging from \$3,000-\$10,000

Deadline to Apply:

High School Seniors & Freshman Engineering Scholarships are due May 1st, 2023

Undergrad Scholarships are due December 1st, 2022



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!



FREDÉRIK BERNARD
Commercial Projects Manager


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



Jarrett G. Steele, PEng
Test & Balance Engineer

Fredericton, NB
tel (506) 206-1511
fax (506) 206-1213
jsteele@steeleengineering.ca

**Air & Water
Balancing**



Advanced Energy Management Ltd.
Putting our energy into saving yours

222 Edinburgh Drive, Unit 1
Moncton, NB E1E 4C7

Doug Briggs
Technical Sales Representative

Tel: (506) 857-0818 Ext 681
Fax: (506) 857-0867
Cell: (506) 878-7092
Email: dbriggs@aemltd.com
Web: www.aemltd.com



AUTHORIZED DEALER



Matthew Peachman,
P.Eng., LEED® AP, BD + C
Principal
Group Lead, Buildings, NB

CBCL.ca

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	TBD	Past Presidents	TBD, Moncton
December 13, 2022	VRF System Panel Discussion	TBD	Refrigeration	Alma City Club, Moncton
January 10, 2023	Cybersecurity in Building HVAC Systems	TBD	YEA (Young Engineers In ASHRAE)	Alma City Club, Moncton
February 15, 2023	New Brunswick Bill 12: Construction Remedies	TBD	RP (Research Promotion)	Alma City Club, Moncton
March 14, 2023	ASHRAE Distinguished Lecturer	TBD	DL/ Halifax Shared	Alma City Club, Moncton
April 11, 2023	ASHRAE Distinguished Lecturer	TBD	MEET Show/DL	Alma City Club, Moncton
May 9, 2023	PEI Tour	TBD	Membership/Tour	TBD
June 13, 2023	Past Presidents' Night - Lobster Boat Tour	TBD	Membership/Tour	TBD

***On the scheduled dates above, the BOG meeting will typically begin at 3:30pm 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

155 Canaan Drive, Suite #411 Cust. Service: 1.877.426.3500
Dieppe, NB E1A 0W4 Fax: 506.384.3617
xmcallister@victaulic.com Cell: 506.875.3352



SCOTT LEWIS
TECHNICAL SALES


451 RUE PAUL STREET
DIEPPE, NB E1A 6W8

(506) 383-3151
slewis@macleodandgrant.com
www.macleodandgrant.com



DESIGN, BUILD, INSTALLED RIGHT.
948 Royal Road, Memramcook, NB E4K 1Y8
www.bsmservicesld.ca

Mike Boudreau, P.Tech, GSC
Director of Construction
T: 506-862-0810 Ext. 112
C: 506-233-4260



102 Indiana Highway 212
P.O. Box 373
Michigan City, IN 46360

M: 219-871-9745
F: 219-872-9057
jefoster@dwyermail.com

Jeff Foster
Canadian Regional Sales Manager III
HVAC/IAQ **506-875-4628**

dwyer-inst.com

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](#)



Copyright © 2022 ASHRAE NB/PEI Chapter, All rights reserved.

Want to change how you receive these emails?

You can [update your preferences](#) or [unsubscribe from this list](#).

