



## THE HERRING CHOKER ASHRAE NB/PEI CHAPTER

September 2022

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## Chapter Announcement

### A Message From Chapter President Kevin Clannon:

Hey everyone, I just got back from our Chapter's Regional Conference (CRC) in Ottawa with several other BOG members. We had a great weekend jam-packed with meetings trying to move the society and region forward. Our delegation below :



**Left to right:** John Wilden, Kevin Clannon, Mike Boudreau, Yves Savoie, Roch Couturier, Dan Boudreau, Zach Thorne. Missing Matthew Peachman.

The CRC may have been too much for one member....



We had an opportunity to meet society president elect Ginger Scoggins, and she is planning on attending our 50th Anniversary Celebrations later this fall (Nov. 8th, 2022... mark your calendars!). I hope you can all make it too; it is shaping up to be a great event!

On August 11 we held our first golf tournament in several years due to Covid. A huge thank you to Jason Nelson for volunteering to organize this very successful event, and to the Master Group team who stepped up to help out and make this event happen. We had 81 golfers this year; the most we have had in several years. I'd also like to recognize our sponsors with a big thank you as well:

- Master Group
- Black & McDonald

- Controlled Air Management
  - BSM Services
  - Brunswick Lift
  - Engineered Air
  - MacLeod & Grant
- Controls & Equipment
- Global Mechanical

It wouldn't have been possible without donors like you! Hopefully we will have a repeat event next summer!

September will bring the return of our regular monthly meetings. In person (we will be trying to have a virtual presentation as well for those who cannot attend) at the City Club in Moncton on Tuesday Sept. 13th. As with almost everything else these days, we've found that our costs have gone up for our dinner meetings. To that end we have had to make the decision to increase the cost of the meals for members from \$20 to \$30. Hopefully we will be able to reduce that again in the future should our food costs come back down to normal.

Your BOG has been busy this summer in planning an entire line up of technical presentations for the year. At this time we have tentatively lined up something for every month; more details to follow from our CTTC chair Yves Savoie. As noted previously, our 50th Anniversary Celebration is moving to Tuesday November 8th with more details to still be ironed out. Note that the chapter's actual anniversary is in October but as it turns out, our society BOG is having a meeting in Istanbul, Turkey during that second week in October. So none of the society officers or our regional directors would be available to attend. By pushing this event out a month, we are able to secure our society president elect and hopefully some of our regional directors and/or vice chairs as well.

All for now, hope to see you at one of our monthly meetings soon

Yours Truly,  
Kevin Clannon, CET  
Chapter President 2022/23, Past President 2011/12

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## **BOG Meeting & Presentation**

### **September 13th, 3:30PM - 8PM AST**

## **TOPIC: Decarbonization with Air-Source Heating**

It's no surprise to Canadians that a large portion of our buildings' energy use is attributed to heating in the winter and shoulder months (and in some cases the summer months.. eek!). Traditionally, buildings have been designed to heat with high GHG emitting oil and gas products. With the push for decarbonization there exist new technologies that allow for heating while also making the critical shift away from GHG sources. During this presentation we'll learn about how we can incorporate air-source heating technology to satisfy our building's heating requirements.

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

### **About the Presenter: Mike Genin, P.Eng**

Michael Genin is a graduate of Mechanical Engineering from Queen's University. He has spent his career in the industry with many different manufactures of chillers, heat pumps, other HVAC equipment. Today he focuses on specialized zero carbon "active" heat-recovery systems for commercial and industrial buildings. Michael is a past-President of the ASHRAE Toronto Chapter and is currently the Regional Vice Chair of Government Affairs for Region II (Eastern Canada).



### **Event Details:**

When: September 13th, 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: Choose from either Soup chef's choice *or* Ceasar salad

Main: Choose from either Cape Islander\* *or* Roast Pork\*\*

Desert: Tuxedo Cake

\*Cape Islander is an open faced filet of salmon, stuffed with scallops, shrimp and fresh asparagus drizzled with a creamy hollandaise sauce.

\*\*Roast Pork is a boneless pork slow cooked in the oven with special herbs served with gravy mashed potatoes and veggies.

**Note:** Please RSVP through EvenBrite for this event by 4:00pm Monday Sept 12th to ensure you get your meal counted.

**\*\*Please RSVP by Monday September 12th at 4pm.\*\***

[Click Here to Register](#)



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## Research Promotion

Knowledge is Power

Ever wonder what the Fundamentals Handbook would look like if it didn't have RP donations?

CHAPTER 18			
NONRESIDENTIAL COOLING AND HEATING LOAD CALCULATIONS			
Cooling Load Calculation Principles .....	18.1	Radiant Time Series (RTS) Method .....	18.20
Internal Heat Gains .....	18.3	Heating Load Calculations .....	18.28
Infiltration and Moisture Migration .....	18.12	System Heating and Cooling Load Effects .....	18.32
Heat Gains .....	18.12	Example Cooling and Heating Load Calculations .....	18.35
Fenestration Heat Gains .....	18.14	Previous Cooling Load Calculation Methods .....	18.49
Heat Balance Method .....	18.14	Building Example Drawings .....	18.52

**H**EATING and cooling load calculations are the basis for these calculations affect the Cooling and heating load calculations can Simply put, heating and cooling loads are the Heating and air conditioning systems are Peak design heating and cooling load calculations, which are this chapter's focus, seek to determine the Similar principles, as described in Chapter 19. This chapter discusses of cooling load calc

Many cooling load components Because these cyclic changes in a building or zone. A zoned system (i.e., one serving several independent areas, each with its own temperature control) needs to. however, it At some times or Heat Flow Rates In air-conditioning design, the following four related heat flow rates, each of which varies with time, must be Space Heat Gain Entries under include (1) (3)

ASHRAE currently has 42 active research projects.

The total value of all active projects is \$6,263,721.

The average duration per project is 20 months with an average cost of \$149,502.

Since 1959, ASHRAE has sponsored 943 projects with a combined value of \$79.7 million.

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

In the NB\PEI Chapter we have an RP Chair and two more members on the committee who take the business of fundraising (RP) very seriously. Get involved with us, we have space. Learning the names and faces of our donors is a fantastic way to grow your career and support ASHRAE in the process.

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

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

## RP Donations from Last Year

Board: John G. Willden, Kevin Leger, Kevin Clannon, Rob Hoadley, Ryan Gosson

Companies: Advanced Energy Management Ltd, Controls & Equipment Ltd, Engineered Air, Macleod & Grant, Yorkland Controls



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## Recap of Past Events

In Case You Missed It...

## **ASHRAE NB/PEI Annual Golf Tournament 2022**

The Chapter hosted its first golf tournament since the beginning of the pandemic on Thursday, August 11th. It was a wild success with a turnout of 86 participants (81 golfers and 5 for the post-golf social). The start of the week was concerning with a forecast of showers for the event, but thankfully cleared up the days leading up to it and turned out to be a beautiful sunny day! Awards were given out for longest drive and closest to hole as well as for the top 3 teams. After the tournament the players rendezvoused at the Elks Club for a gourmet lobster + steak combo. It felt good to be back on the course with our friends and colleagues after a couple year hiatus; now to start planning for 2023!

## **CRC 2022 Ottawa**

The Chapter Regional Conference 2022 for Region II was hosted by the ASHRAE Ottawa Chapter over the weekend of August 26-28th. The NB/PEI Chapter sent 8 of our members to represent us as well as to attend the various workshops and seminars. The members were John Willden, Kevin Clannon, Mike Boudreau, Yves Savoie, Roch Couturier, Dan Boudreau, Zach Thorne, and Matthew Peachman. We thank them for taking the time out of their busy summer schedule to participate and network with the other ASHRAE chapters and we're sure they had a great time!

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## **Upcoming Events**

The Future is Bright

## **BOMEX 2022 - Charlottetown, PEI**

**September 13-15, 2022**

The Building Owners and Managers Association of Canada is hosting their 32nd Annual Building Excellence Conference in Charlottetown, PEI this September.



Registrations are now open for attendees and exhibitors.

More details can be found about it here: [BOMEX 2022](#)

## **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](#)



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## **Awards & Scholarships**

### **Step Right Up, Win a Prize!**

### **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).

### **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](mailto:treasurerashraenbpei@gmail.com)

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



## 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!

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 <p><b>FRÉDÉRIK BERNARD</b> Commercial Projects Manager</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>David Samuel, P.Eng</b> Regional Sales Manager</p> <p>5055 Taylor Kidd Blvd. P.O. Box 430 Millhaven, ON K0H 1G0 www.directcoil.com</p> <p>t. 613.544.2200 f. 613.544.7779 c. 506.962.1163 dsamuel@directcoil.com</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	CO2 Refrigeration Plant Tour	TBD	Student/Gov	TBD
November 8, 2022	ASHRAE NB/PEI Chapter 50th Anniversary	TBD	Past Presidents	Alma City Club, Moncton
December 13, 2022	VRF System Panel Discussion	TBD	Refrigeration	Alma City Club, Moncton
January 10, 2023	Cybersecurity in Building HVAC Systems/ASHRAE Guideline 36.	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.**



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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 Wilden, PE	Executive
Research Promotion Chair	John Wilden, 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?**

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