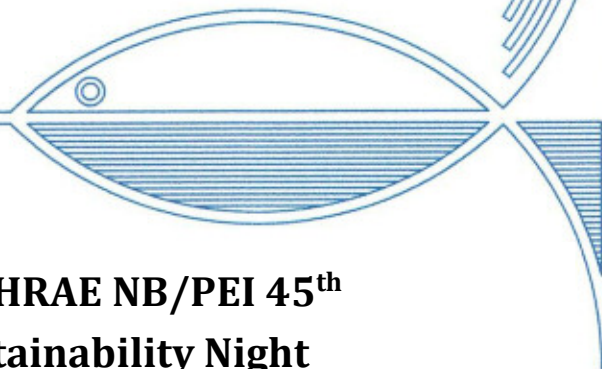




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NB PEI CHAPTER



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Board of Governors:

Devin Harinarine

October 2017 Issue

Next Meeting – ASHRAE NB/PEI 45th Anniversary & Sustainability Night October 17, 2017

Location: **Alma City Club**
114 Alma St, Moncton

Chapter Night

3:30 pm – Board of Governors Meeting

5:00 pm – Social Hour

6:00 pm – Technical Presentation - The Saint John Regional Hospital
Energy Retrofit Presented by Robert Hoadley, P. Eng,
NB/PEI Chapter President

7:00pm - Dinner:

Maple Curry Butternut Squash Volute

~Maple Glazed Chicken Breast~

**Pan Roasted Maple Glazed Chicken Breast with Demi Glace, Sweet Potato
Mash and Buttered Fresh Vegetables**

Or

~Fresh Atlantic Salmon~

**Pan Roasted Fresh Atlantic Salmon, Citrus and Dill Cream Sauce served
with Warm German Roasted Potato and Bacon Salad with Buttered Fresh
Vegetables**

Lemon and Blueberry Pie Parfait with Toasted Swiss Meringue

Members: \$20.00

Non-Members: \$30.00

Students: \$10.00

New Members/Students receive a complimentary first meal with
ASHRAE NB/PEI.



Introduction to the Presentation

The Saint John Regional Hospital is a 1,134,000 sq ft healthcare facility in Saint John, NB. It is the largest Hospital in the Province of New Brunswick, and is the primary cardiac care and trauma facility for NB. The Hospital was designed and constructed in the late 1970s, and opened to patients in 1982. At the time, the Hospital was incredibly energy efficient, featuring many energy saving measures that would be considered advanced today.

The Saint John Regional Hospital Energy Retrofit project was undertaken to modernize the facility's chilled water and heating water systems. We will explore the existing and new distribution systems, modifications made to the system, and new control strategies that have been added to maximize energy performance. We will also review lessons learned from the project, as well as operator experiences with the new system.

This project has been nominated for an ASHRAE Technology Award after having been recognized at the Regional level. The Technology Award program will also be discussed in the presentation.



Pictured:
The Saint John
Regional
Hospital

Jarrett G. Steele, PEng
Test & Balance Engineer

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Robert Hoadley, P. Eng, is a mechanical consultant and partner with Argyll Associates Limited of Fredericton, NB. His primary areas of practice are commercial and institutional building design, with a specialty focus in health-care facilities. He has worked in the consulting business for 13 years, all with small mechanical consultancies.

Robert is a graduate of the University of New Brunswick, with a Bachelor of Science in Engineering (Mechanical). He is a member of the Association of Professional Engineers and Geoscientists of New Brunswick, Engineers Nova Scotia, and is a LEED Accredited Professional in Building Design and Construction. Robert is an ASHRAE Certified Healthcare Facility Design Professional (HFDP). He is the President of the NB/PEI ASHRAE Chapter, and a Provisional Corresponding Member of Technical Committee 9.6 – Healthcare Facilities. Robert lives in Fredericton, NB, with his wife, Melissa, and their two young sons.



HAPPY ANNIVERSARY! 13 October 2017 Marks the official 45th Anniversary of the NB/ PEI Chapter!

(To be celebrated in December stay tuned for details!)

We have a chapter first that happened on July 1st 2017 when Rob Hoadley became our Chapter President. He also became a member of the first father and son team to hold that position in our chapter. As most of you know Rob's father Gary Hoadley was Chapter president in 1979-80 and again in 1980-81. No pressure Rob but a 2 term presidency has been discussed before and has only been held by a small group from this chapter. In fact back to back presidencies have only been done three times in this chapter.

Also on June 30th of this year ended the presidency of Sharlene Innes this chapter's first female president.

Chapter Service Awards

The current chapter president and officers would like to recognize the following Past Presidents for meeting the requirements of the Chapter Service Award. Most of these individuals do not qualify for the official society chapter service award as they are no longer society members.

Brien Storey (one of the three who held back to back presidential terms 1991-92, 1992-93)

Bill Goobie (president 1997-98)

Rod Collins (president 1994-95)

Grant Bourque (president 2002-03)

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September Meeting Recap

ASHRAE Distinguished Lecturer Dr Tom Lawrence, Ph.D., P.E., Fellow ASHRAE, LEED AP of the Mechanical Engineering faculty at the University of Georgia is visited our chapter presenting on the smart grid and the ability to connect smart buildings to the system.



Pictured: Chapter President-Elect Yves Savoie (right) presenting Dr Tom Lawrence (left) with a padfolio embossed with the ASHRAE NB/PEI chapter logo.

2017 Young Engineers in ASHRAE NB/PEI

Hello YEAs!

This year as your representative on the ASHRAE NB/PEI board, it's my responsibility to inform you of what opportunities are available and plan events for us YEAs. If you're 35 or under you count as a Young Engineer in ASHRAE.

So far I haven't had to use my mailing list too much, but in September there was an opportunity to apply to be sent to a Leadership Weekend in Baltimore by Region 2 - I hope everyone got the message and put their name in the hat for this great opportunity. Hopefully later this year there will be other chances, specifically within our chapter, for one or two of us to attend one of these ASHRAE weekends. Last year I attended a "Technical Weekend" in Atlanta and it was a fantastic opportunity to learn and network with other YEAs from across Canada and the States.

If you haven't seen any updates the past couple months *please* contact me at ben.roundell@rogers.com and I'll get you on the mailing list, and keep your eye out in this newsletter so you absolutely won't miss any announcements!

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Other Updates

Scholarship Opportunity: Attached at the end of this issue of your Herring Choker is the new application for the NB/PEI Chapter scholarship. The deadline to apply is October 31, and it will be awarded at the December meeting. Eligibility and instructions to submit are included on the application.

NB/PEI ASHRAE Paraphernalia

Golf shirts: Blue: All sizes: (\$15)

Padfolio (\$15)

- o Embossed with our ASHRAE NB/PEI logo*
- o Two slant pockets neatly hold cards, disks, papers and more.*
- o Zippered closure to secure important items.*
- o Sleek outside pocket for quick access.*
- o Includes writing pad and pen-holder.*
- o Size: 241 x 165 x 25mm (9-1/2" x 6-1/2" x 1").*



Next Meeting:

November 14, 2017

Alma City Club

114 Alma St, Moncton

Theme: Refrigeration



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NEW! Fundamental Requirements of Standard 62.1-2016
Wednesday, September 6, 2017 – 1:00 p.m. to 4:00 p.m.

Designing High-Performance Healthcare HVAC Systems
Tuesday, September 19, 2017 – 1:00 p.m. to 4:00 p.m.

Laboratory Design: The Basics and Beyond
Tuesday, October 10, 2017 – 1:00 p.m. to 4:00 p.m.

Introduction to Ultraviolet Germicidal Irradiation (UVGI) Systems
Monday, October 16, 2017 – 1:00 p.m. to 4:00 p.m.


NEW! Complying with Standard 90.1-2016
Part I: Wednesday, November 1, 2017 – 1:00 p.m. to 4:00 p.m.
Part II: Tuesday, November 7, 2017 – 1:00 p.m. to 4:00 p.m.

NEW! Variable Refrigerant Flow System: Design & Application
Wednesday, November 29, 2017 – 1:00 p.m. to 4:00 p.m.

NEW! New ASHRAE-Classified Refrigerants to Meet Society's Changing Needs
Tuesday, December 5, 2017 – 1:00 p.m. to 4:00 p.m.



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Gain practical skills and knowledge in designing and maintaining HVAC systems that can be put to immediate use. The training provides real-world examples of HVAC systems, including calculations of heating and cooling loads, ventilation and diffuser selection using the newly renovated ASHRAE Headquarters building as a living lab.

HVAC Design: Level II – Applications - Registration is \$854 (\$699 ASHRAE Member)

HVAC Design: Level II — Applications provides instruction on HVAC system design for experienced HVAC designers and those who complete the HVAC Design: Level I – Essentials training. The training provides information that allows practicing engineers and designers an opportunity to expand their exposure to HVAC systems design procedures for a better understanding of system options to save energy.

Visit www.ashrae.org/hvactraining to register and learn how your Chapter can earn PAOE points.

Contact Karen Murray (kmurray@ashrae.org) to discuss scheduling ASHRAE HVAC Training in your Chapter area.

**ASHRAE NB/PEI Chapter
Scholarship Application Form
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

Student Name: _____

Residence Address: _____

Telephone #: _____

Permanent Address: _____

Telephone #: _____

Chapter Member: _____

Institution Enrolled In: _____

Program Enrolled In: _____

References:

1. _____

Relationship: _____

Tel. #: _____

2. _____

Relationship: _____

Tel. #: _____

Extra Curricular Activities:

FINANCAL NEED* Why should we award this scholarship to you? Please justify financial need:

Note: A Transcript of the most recent year's academic results is required as part of the application.

**DEADLINE: The deadline to apply for this scholarship is October 31, 2017
Please send your application to treasurerashraenbpei@gmail.com**