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ASHRAE REGION 2 NEWSLETTER

Greetings from your Region II Director and Regional Chair

I trust everyone is off to a great chapter year with ASHRAE after the successful CRC we had in Moncton. Hats off to Dan Boudreau and his NB/PEI chapter member team for a job well done. I had the privilege of attending the combined CRC for Region XIII and Region At Large (RAL) held in Bangkok the end of Sept followed by the first board meeting held outside North America. It was interesting to see over 500 people come together for a CRC and the comraderie. It is interesting to see chapters that represent entire countries, and to see entertainment at CRC done by the students. This allowed the Board first hand to see some of the unique issues especially with some of the developing countries. We are a global society and we need to ensure we understand all the issues around the world.

Our Region has done extremely well with Society awards (which are outlined by RVC's). Congratulations to all the winners, well deserved! The winter meeting is being held in Las Vegas the end of Jan 2017 in conjunction with the AHR expo (which is supposed to have over 500k sq ft of exhibit space). Our fellow Region II members are being recognized at the plenary Sat Jan 28 at 3:15 at Caesar's Palace, so I encourage everyone who is going to be in Vegas to come out and show your support. At this meeting there will be a combined regional dinner on Sun Jan 29 at 8 pm (location TBD) and hope you can attend.

La Ville de Quebec chapter is celebrating their 60th anniversary Mon Dec 5 and Society President Tim Wentz will be in attendance. It proves to be a great event at the Chateau Frontenac.

I will be visiting Quebec City (for 60th), Montreal for a combined CRC planning/dinner meeting in March, and the Ottawa Valley chapter as well.

Just a reminder the president elect training will be in Montreal Sat Apr 1 (no foolin)

If you have any questions or concerns, please reach out to myself or anyone on the regional team. We are here to support you. Last but not least, Thank You all for what you do for ASHRAE.

Regards,

Doug Cochrane, P.Eng. LEED AP, MAshrae
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Region II CRC NB-PEI August 26-28, 2016

From August 25th to the 28th, 2016, the NB/PEI Chapter hosted the Region II Chapters Regional Conference at the Delta Beausejour Hotel in downtown Moncton, New Brunswick. This event hosted over 120 attendees from throughout Canada and the United States.



ASHRAE dignitaries in attendance included Society Treasurer Sheila Hayter; Society Vice-President Ginger Scoggins; Director of Member Services Joyce Abrams; Region II Director and Regional Chair Douglas Cochrane; and longtime ASHRAE Distinguished Lecturer Tim McGinn.





The Business Meetings, Caucuses, and Workshops were all well attended, and productive, with representatives from all Chapters in attendance for most of these sessions. The Presidential Address Luncheon was presented by ASHRAE Treasurer Sheila Hayter during lunchtime on Friday. The Awards Luncheon was held on Saturday at lunchtime, and was emceed by Ibrahim Semhat, with 117 attendees present. Isabelle Lavoie provided a quick presentation highlighting next year's Region II CRC, which will be held in Montreal.



While all of the conference attendees were busy in meetings and workshops, an extensive Companion Program, as well as a Technical Program, were provided so as to entertain the attendees not involved in the meetings. The Companion Program included a Guided Bus Tour to the Hopewell Rocks, Cape Enrage, and the Fishing Village of Alma; a Walking Tour to the Moncton Farmers Market; and a Walking Tour to Resurgo Place, an interactive Museum and Transportation Discovery Centre. The Technical Program included a tour of the Highfield Street Water Pumping Station, a Heritage Building that still operates today; as well as a Technical Presentation on Low Impact Mechanical Systems, by longtime ASHRAE Distinguished Lecturer Tim McGinn.



Several social events were also held throughout the weekend, for both conference attendees and their companions. These included our Welcome Party at St. James' Gate, a local establishment that closed its doors to the general public for our benefit; and the Lobster Boat Cruise in Shediac, New Brunswick, where attendees got to cruise around beautiful Shediac Bay enjoying an awesome feed of the best lobster in the world. With two separate boat cruises required for the number of attendees involved, when the attendees were not on the boat, they were able to enjoy themselves on the Pointe-du-Chene Wharf, either admiring the amazing views of Shediac Bay, getting a few drinks and a few snacks at Captain Dan's, or take a walk on Parlee Beach, the warmest salt water beach north of the Carolinas. In addition to these event, there was a Hospitality Suite held on all three nights of the conference, for all attendees to meet and socialize outside of the meetings.



By all accounts, everyone thoroughly enjoyed themselves for the entire weekend, except maybe for those who were on the bus travelling from Shediac on Saturday Evening that broke down (at least it broke down outside of a drinking establishment, rather than halfway to the hotel on the side of the highway), or those who were stuck in the elevator on Friday morning with David Rasmussen. Aside from these unforeseen events, the entire conference went off without a hitch, and finished slightly over budget (less than 1%), which was a minor miracle considering that the committee had to deal with a 2% HST increase from the Provincial Government that came into effect less than two months before the conference.

We look forward to hosting the Region II CRC again in 2025, with even more fun and excitement planned.

Daniel A. Boudreau, P.Eng.
ASHRAE Region II CRC General Chair

Regional Chair Activity Updates

Young Engineers in ASHRAE (YEA)

By Audrey Dupuis - YEA Regional Chair

The winner for the upcoming YEA Leadership Weekend (YLW) is **Marc Rossignol** from the Halifax Chapter.

The winner for the upcoming LeaDRS program at the next ASHRAE Winter Conference in Las Vegas is **Alexis Gagnon** from the Quebec Chapter.

Thanks again to all participants of these Regional programs.

Student Activities (SA)

By Ben Oliver – SA Regional Chair



Kathleen Agustin (pictured above right), an undergraduate student at Humber College studying Sustainable Energy and Building Technology, receives the Society's Lynn G. Bellenger Engineering Technology Scholarship for 2016-2017. A certificate for the one-year \$5,000 scholarship was presented by the Toronto Chapter's Student Activities Chair, Alekhya Kaianathbhatta (pictured above left), during the chapter's dinner meeting on October 3rd.

Chapter Technology Transfer Committee (CTTC)

By Daniel Roberts – CTTC Regional Chair

I am happy on how things are moving so far on my first year as the CTTC RVC. Most of the Chapter CTTC chairs have been busy ramping up their respective Chapter program for the year and I am sure that all chapter member of the Region will be attending interesting conference/presentation all along the year.

The region has already booked 9 of our 12 allocated DLs... in fact we have 14 visits of DLs booked as 4 for the DLs are be attending 2 chapters in one Society allocated visit (multi-visits) and we have the Society Past President David Underwood that will be providing a presentation in his home city of Toronto, at no cost for the Society. We still have 3 DLs available to us; hope that they will be granted before the Society deadline of Nov 30th.

Claude Dumas (from the Montreal chapter) will be receiving the Milton W. Garland Commemorative Refrigeration Award for Project Excellence at the Las Vegas Plenary. This award is rarely attributed making this even more impressive!

ASHRAE Technology Awards 2016: in early September, Region 2 has submitted 9 technology awards at the Society level. We had the Montreal Chapter submitting 8 of the 9 awards (great job Montreal!) and one award came from the Toronto Chapter. Just recently, the Society release the 2016 Technology Awards winner list and I'm very proud to say that, once again, Region 2 out did ourselves with 2 selected first place projects: Kurt Monteiro with the New Humber River Hospital in Category III (Health Care Facilities), and Julien Allard for the new STM, Centre de transport de Stinson in Category IV (Industrial Facilities or Processes). We also got one project with an Honorable mention (3rd place) going to Martin Roy with the New Bibliothèque Ville de Mont-Royal building, in Category II (Other Institutional Buildings).

Congratulations to all the winners and to all members that submitted outstanding projects, in our minds, you are all winners. We hope to see as many Technology Award submittals next year as last year.

I plan to be coming to 3 regional events apart from my home town Chapter events (Montreal) this year: I will be attending Quebec's City 60th chapter anniversary on December 6th at the beautiful Chateau Frontenac; on April 3rd I will be with the Toronto and Hamilton Chapters for a joint monthly meeting; I will attending in May 9th the NB-PEI Chapter conference and finally on May 10th I will be with Halifax Chapter members. Hope to see as many ASHRAE members as possible while attending all these events!

Super CRC 2016 in Thailand



Congratulations to Region XIII and the Region-At-Large for completing a successful joint Super CRC that was held in Bangkok, Thailand earlier this month! There were more than 500 participants representing 35 ASHRAE chapters from both regions. Thank you to the chapters and regions for a job well done!

Chapter Regional Conference 2017, Montreal Quebec



CRC 2017 Montréal

Hotel Griffintown

August 25-27, 2017

Energy labels for homes pitched to climate change committee

New Brunswick should have mandatory labelling for the energy efficiency of homes and buildings, members of the province's select committee on climate change were told Thursday.

Mandatory labelling of the energy efficiency of homes is used in some states in the United States, but in Canada it is voluntary.

Robert Hoadley of the American Society of Heating, Refrigerating and Air-Conditioning Engineers made the suggestion Thursday in an appearance before the committee at the legislature.

Hoadley would like to see New Brunswick establish regulations requiring labelling for home energy efficiency and also adopt National Energy Code standards.

- ***Climate change committee hears coastal properties at risk***
- ***Bay of Fundy warming threatens lobster, climate committee told***

In New Brunswick, 74 per cent of homes were built prior to 1980 and much less energy efficient than newer homes.

"Buildings are massive users of energy," said Hoadley.

The National Energy Code of 2016 recommends higher insulation levels in homes, but New Brunswick has not adopted that code.

Hoadley's society has developed a system to establish a building's energy quotient. Hydro Quebec is adopting that quotient.



"My key recommendation is that there is a requirement to educate the public on the energy efficiency of the buildings," said Hoadley outside the hearing room.

Giving homebuyers and homebuilders access to energy efficiency labelling "allows us to nudge the market toward more energy efficient buildings and toward buildings that are going to be responsible for less greenhouse gas emissions."

Hoadley would like to see New Brunswick establish regulations requiring labelling for home energy efficiency and adopt the National Energy Code requirements.

"We feel as a society that with these energy codes and with these energy standards, we can create buildings that are going to be occupied for the next 25 to 75 years and build them more efficiently."

Rob Hoadley appeared before the legislature's select committee on climate change in Fredericton on Thursday September 08, 2016 (CBC).

Kigali Agreement to Limit and Cut Production of HFC Refrigerants

Representatives of over 170 nations have agreed to limit and reduce the use of hydrofluorocarbons (HFCs). The Kigali Agreement was reached on 15 October 2016 in Kigali, the capital city of Rwanda.

The agreement is a revision to the 1987 Montreal Protocol, a United Nations treaty that phased-out the use of chlorofluorocarbon (CFC) refrigerants as a result of ozone layer depletion caused by those chemicals. The Montreal Protocol originally scheduled the use of hydrochlorofluorocarbon (HCFC) as a transitional refrigerant until the introduction of HFCs in the. HFCs do not harm the ozone layer but have a global warming potential thousands of times that of carbon dioxide.

Developed nations such as Canada, the United States, Japan, and the European Union nations, will freeze production of HFCs in 2018, and begin to reduce production. Production of HFCs by developed nations will be cut to 15% of 2012 levels by 2036. Developing nations such as China and Brazil will freeze production in 2024. A group of the nations with the warmest climates,

including India, Pakistan, the Gulf states, and Saudi Arabia, will not freeze production of HFCs until 2028.

Climate experts believe the agreement will eliminate the equivalent of 70 billion tonnes of carbon dioxide emissions by the year 2050. This is equivalent to two years of current global carbon dioxide emissions.

The Montreal Protocol has been in force since 1989, and was termed as “perhaps the single most successful international agreement” by former UN Secretary General Kofi Annan. NASA has found.

Robert P. Hoadley
President Elect – NB-PEI Chapter

Calling All Young Professionals: Apply Today for the New Faces of Engineering Award!

Each year New Faces of Engineering celebrates an exceptional group of engineers who display a strong commitment to affecting positive change through substantive, real-world applications of their skills and training. Apply to be selected as ASHRAE's New Face of Engineering! The deadline for applications is Friday, November 18, 2016 and applicants must be ASHRAE Affiliates, Associates or Members who are 30 or younger as of December 31, 2016. Learn more at www.ashrae.org/newfaces.

ASHRAE Student Scholarship and Grant Program Scholarship Applications due Dec. 1 Grant Applications due Dec. 15

ASHRAE seeks to motivate students and prospective students worldwide to pursue engineering or technology careers in the HVAC&R field. The Society's Scholarship Program also serves the public interest by aiding in the education of men and women to become qualified to practice as engineers in HVAC&R.

The ASHRAE Undergraduate Program Equipment Grants provide funding to engineering, technical and architectural schools worldwide with the goal of increasing student knowledge, learning and awareness of the HVAC&R industry through the design and construction of equipment. Grants are to be used to fund equipment and supplies for senior projects and 2-year technical school projects that focus on ASHRAE-related topics. Grants may cover projects lasting from one academic term up to one year.

Questions about scholarships? Contact Lois at lbenedict@ashrae.org
Questions about grants? Contact Katie at kthomson@ashare.org

Registration Open for NEW, DOE-aligned Commissioning Certification (BCxP)



The very first Building Commissioning Professional (BCxP) certification exams will be given at the ASHRAE 2017 Winter Conference on two convenient dates: Saturday, January 28 and Wednesday, February 1.

This new ASHRAE program validates competency against the National Institute of Building Sciences (NIBS) Better Buildings Workforce Guidelines scheme requirements for the Building Commissioning Professional certification, with the goal of achieving by March, 2017 Department of Energy (DOE) recognition of services provided by BCxP certificates. Learn More & Apply.

Questions? Contact Tim Kline, Certification Manager.

Upcoming Events

- ASHRAE Region II CRC Planning Meeting – Date & Location TBD
- Society Webcast - **Thursday April 20/2017 @ 1:00 - 4:00pm**
Take Control: Using Analytics to Drive Building Performance
<https://www.ashrae.org/membership--conferences/webcasts>
- 2017 ASHRAE Winter Conference — **January 28 - February 01, 2017** | Las Vegas, NV, USA
- 2017 ASHRAE AHR EXPO — **January 30 - February 01, 2017** | Las Vegas, NV, USA
- 2017 ASHRAE Annual Conference — **June 24 – June 28, 2017** | Long Beach, CA, USA
- ASHRAE Region II CRC Meeting – **August 25 – August 27, 2017** | Montreal, Quebec, Canada

**2017
Winter
Conference**
Jan. 28 – Feb. 1
Las Vegas, NV



**AHR
Expo**
Jan. 30 – Feb. 1
Las Vegas, NV



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