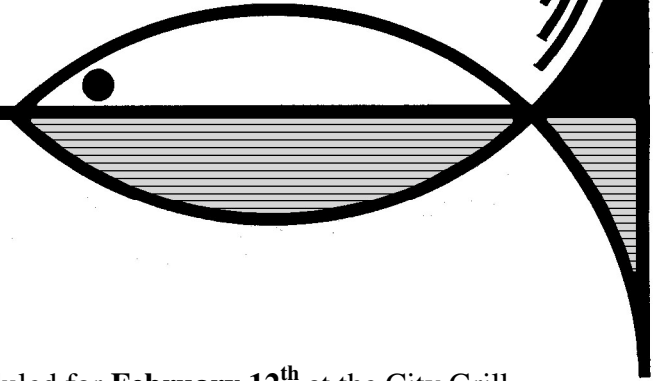


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The next Chapter meeting is scheduled for **February 12th** at the City Grill (130 Westmorland St, Moncton).

This month's meeting will feature a presentation by Samuel Frenette, EIT. Samuel will be speaking about Displacement Ventilation (DV). Displacement Ventilation is becoming a popular alternative to standard VAV systems. Originally developed for industrial facilities in Europe, this system is an effective way to remove contaminants from the occupied zone. It has since gained popularity in a variety of applications such as schools, hospital and office space in both Europe and North America due to its superior air quality, thermal comfort, and energy efficiency.

DV provides high temperature, low velocity supply air, relying on the buoyancy forces of air to drive air motion. The result is high ventilation effectiveness and improved thermal comfort delivered in an energy efficient manner.

This presentation will provide an overview on this technology as well as other technologies such as Under Floor Air Distribution (UFAD), chilled beams, and radiant panels.

A social hour will begin at 5:00 PM with a cash bar, followed by the presentation at 6:00 PM and Dinner at 7:00 PM.

Executive Meeting Notice

A reminder to the Executive, Board of Governors, and the Committee Chairpersons that the Executive meeting will start at 3:30 PM at the City Grill. Please note the change in time.

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Speaker Biography

Samuel Frenette, EIT - Applications Team Leader, Hydronic Products

Samuel Frenette is a hydronic products application specialist with Price Industries in Winnipeg Manitoba. He has been in the Application Department with the company since 2009 and is currently the Team Leader for the Hydronic Product Applications group. His team handles over 4000 technical calls a year and provides application guidance for several hundred projects annually. Sam has extensive experience with Price in the selection and application of chilled beams as well as other green HVAC product such as radiant panels, under floor air distribution and displacement ventilation.

Sam graduated from Ecole Polytechnique in Montreal with a Bachelor degree in Mechanical Engineering and a specialization in Energy. He's currently an Engineer in Training with the Association of Professional Engineer and Geoscientist of Manitoba and a member of ASHRAE.

SUMMARY OF JANUARY MEETING:

January meeting was a presentation on Responsible Environmental Management of Oil and Gas Activities in New Brunswick by Marc Belliveau, Director of Communications, Department of Energy & Mines. The presentation was attended by 26 participants.

The presentation started with:

- An overview of drilling activities in New Brunswick (First well drilled in 1859 in Dover, followed by 30 in Sussex and 16 in Stoney Creek)
- Identification, resources, early evaluation and pilot drilling in 3 to 5 years
- Pilot production testing, commercial development and project reclamation
- Regulatory frameworks that are in place
- Phased Environmental Impact assessment

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At every stage the public is involved in the process, starting from Geophysical testing, Well Bore integrity, Geological containment, Surface waste management, monitoring to protect water quality, sustainable use of water, monitoring air emissions due to heavy truck movement, emergency response planning, noise mitigation, haul route planning and to reduce financial risks and property landowner rights.

All information is shared with the public to make the whole process as transparent as possible. They also maintain an effective regulatory framework by continuing to use EIA regulations, use of additional scientific information and by continuously improving methods.

The speaker also touched on how the revenue is shared between the hosting land owners, municipalities and provincial government. He also showed us some slide on the distribution of potential available oil resources in NB as well as in North America.

A height comparison slide showed how deep these wells are below the surface (about 2400 depth meters) and the probable problems working at these depth and measures to be taken to keep them safe.

Oil and Gas Blueprint was announced in the Legislature on Nov 1 2012 and will be made available to the public by April 1st, 2013.

If you wish to have a copy of the Power Point Presentation, please email your requests to samuelabu@rogers.com



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Check it Out!

Ken Martin's grandfather, S.H. Perry, installed the refrigeration systems at the Chris Rock Tavern, the oldest tavern in New Brunswick. Ken has just unearthed an interesting quotation to install the walk-in cooler. You can see the quotation on Region II's website at <http://region2.ashraeregions.org/other.html>.

Research Promotion Update

In the coming weeks, our chapter will be beginning our annual Research Promotion fundraising drive. Our chapter has a fundraising goal of \$9,500 this year, and we have already reached 30% of our goal by collecting \$2,888 in donations. This year's campaign runs until mid-June, but we will begin our drive this month to ensure we meet our goal (and then some!) with plenty of time to spare.

Research Promotion also provides the opportunity for Chapters across our region to compete to earn Presidential Award of Excellence points. Points are given out to the chapters for achieving fundraising goals, exceeding these goals, holding special events, and collecting more dollars per member than other chapters. At the close of January 2013 our Chapter leads Region II (Eastern Canada) with 535 points. The standings are as follows:

FUNDRAISING POINT STANDINGS

1) NB/PEI: 535 points	2) Québec: 420 points	
3) Windsor: 328 points	4) Hamilton: 265 points (tie)	4) Toronto: 265 points (tie)
6) Montreal: 245 points	7) Halifax: 190 points	
8) Ottawa: 140 points	9) London: 138 points	

Research Promotion Contest

As part of our research promotion campaign, we are unveiling a new donation incentive for 2012-13. For every \$25 donated by an individual or a corporation, one ballot will be placed into a draw. At the conclusion of the fundraising campaign, one lucky donor will be given a gift of a \$150 gift certificate to the restaurant of their choice. This is another of our Chapter's ways of saying **"Thank You!"** to our valued donors.

If you're interested in giving, or would simply like more information about ASHRAE Research Promotion, please contact the Chapter's Research Promotion Chair Rob Hoadley at robert.hoadley@rogers.com or (506) 459-3940.



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NB/PEI ASHRAE Chapter Meeting Schedule 2012/2013

March 12, 2013

Topic: UNB Head Hall Renovation Tour

April 18, 2013

Topic: 9th Annual ASHRAE CTTC Webcast:
Assessing Building Energy Performance

April 23, 2013

Topic: ASHRAE Distinguished Lecturer – Hoy Bohanon

May 14, 2013

Topic: High Induction Diffusers

June 11, 2013

Topic: Dumont Energy Centre Tour

Social Events

Moncton Wildcats Game – March 10, 2013

Curling Fun Spiel - TBA

Lobster Kitchen Party @ Captain Dan's Shediac, NB - TBA

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If you attended the ASHRAE winter meeting in Dallas, please let Cam Chevarie at camille.chevarie@hatchmott.com know, so we can claim PAOE points for your participation.