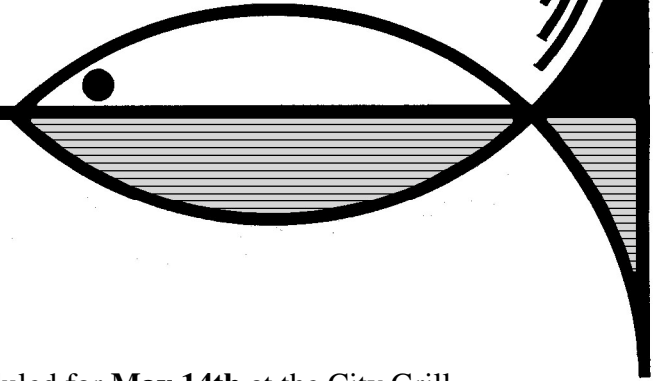


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ASHRAE
NB PEI CHAPTER



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The next Chapter meeting is scheduled for **May 14th** at the City Grill (130 Westmorland St, Moncton).

This month's meeting will feature a presentation by Daniel Lauzon, President of NAD Klima. Daniel will be speaking on High Induction Diffusers. This type of diffuser induces up to 16 times the air movement in the conditioned space. As a result, there is a noticeable difference in temperature and humidity control leading directly to energy savings with the added benefit of improved occupant comfort. These diffusers are a European design and are also visually appealing blending into a variety of finishing's.

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 4:00 PM at the City Grill.

Speaker's Biography:

In 1988, Daniel Lauzon based Danco Télévac Group, a company specialized in balancing and cleaning ventilation systems.

It is through the quality and effectiveness of its work that Danco has quickly established itself as a leader in its field.

In a continuing effort to improve its services and after several years of research, Mr. Lauzon introduces the most complete range of air diffusers with high induction, NAD Klima was born.

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SUMMARY OF APRIL 2013 MEETING:

April meeting was a presentation by ASHRAE Distinguished Lecturer Hoy Bohanon P.E., BEAP, LEED AP on Commissioning, Operating and Maintaining Air to Air Energy Recovery Systems. The presentation was attended by 24 participants.

The presentation started with:

- Types of Systems
- Commissioning Issues
- Operating & Maintaining
- Re-commissioning Recommendations

Basically there are 2 types of systems, one being Heat Recovery Systems where only the sensible heat is recovered, the other is Energy Recovery Systems where both Sensible and Latent Heat are recovered. Heat Recovery Systems use Plates, Heat Pipes and Run around Loops. Energy Recovery Systems use Plates with membrane, Wheels, Liquid Desiccants and Twin Towers.

It is necessary to follow ASHRAE guidelines as specified in 2008 ASHRAE Systems & Equipment handbook, chapter 25 for Airstream Numbering and calculate Heat Transfer Sensible Effectiveness. In measuring temperatures care must be taken for stratification and then compare the results with the manufacturer's published claim. Adjustment must be made for parasitic power & energy losses due to pressure drops in filters and pump energy in run around systems. Control issues such as Frosting, Condensing and transfer of energy in the wrong direction should also be considered. Same principles apply for Energy Recovery Systems Commissioning except that instead of temperatures, enthalpy should be measured at various points.

Also review and verify the O & M manuals and ensure with operation and maintenance personnel that the recommended guidelines will be followed.

Mr Bohanon also touched on the need to Re-commission the systems periodically (2 to 5 years) to assure performance.

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

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Chantal Daigle Verrier, P.Eng., LEED AP, CMVP
Manager | Energy Practice | Moncton

Research Promotion Update

The Research Promotion campaign is hitting top gear as we enter the final weeks of the campaign. Our chapter has a fundraising goal of \$9,500 this year, and we have already reached almost 70% of our goal by collecting \$6,538 in donations. While we have a goal of \$9,500, our chapter can receive special recognition from ASHRAE if we reach the \$11,100 (High Five Award for a new five-year high total), and the \$11,700 (Challenge Award for exceeding the five year high total by 5%) levels.

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. This allows small chapters like our own and larger chapters like Montreal and Toronto to compete on an equal basis. At the close of April 2013 our Chapter is near the top of Region II (Eastern Canada) with 725 points. The standings are as follows:

FUNDRAISING POINT LEADERBOARD

- 1) Windsor: 837 points
- 2) NB/PEI: 725 points**
- 3) London: 519 points
- 4) Montreal: 480 points
- 4) Quebec: 450 points
- 6) Halifax: 425 points
- 7) Hamilton: 405 points
- 8) Toronto: 375 points
- 9) Ottawa: 320 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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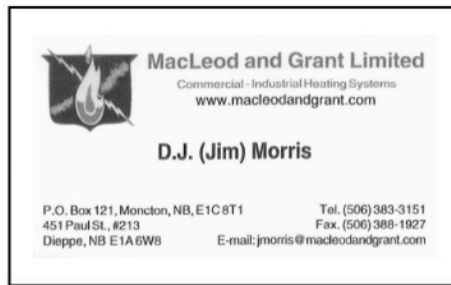
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MEMBERSHIP:

The Chapter would like to recognize the following NEW Chapter Members:

Justin Fradella
Christine Pearson

The Chapter would also like to congratulate the following Chapter Members who have been approved for advancement to Member grade:

Frank Chaisson
Tracy Beal
Benoit Boudreau
Trevor Mason
Bertrand Poirier

SCHOLARSHIPS:

The happy winner of the ASHRAE NB/PEI Chapter Scholarship is Katelyn Eleanor Gillis. The Scholarship is in the amount of \$1000 and is awarded by the NB/PEI Chapter.





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NB/PEI ASHRAE Chapter Meeting Schedule 2012/2013

June 11, 2013

Topic: Dumont Energy Centre Tour

MCW Maricor Wins Award for Engineering Excellence

Dr. Georges-L.-Dumont University Hospital Centre Energy Centre

The 2013 Award for Recognition of Engineering Excellence in the Buildings category was presented to MCW Maricor by the Association of Consulting Engineering Companies, New Brunswick Branch.

The award was presented at the annual ACEC-NB Awards Gala. The buildings category includes all engineering related to buildings such as electrical, mechanical, structural, foundations and related engineering systems including systems to control heating, lighting, and energy management.

The Province of New Brunswick Department of Transportation and Infrastructure and the Dr. Georges-L.-Dumont University Hospital Centre are proud to be opening a new power plant to replace the aging existing plant, while simultaneously relocating the facilities power generating systems. This project is called the Energy Centre as it houses the hot and cold energy generating systems for the entire Health Care campus, as well as a new Emergency Power Generating system for electrical energy.

The new heating system includes three new 700 BHP steam boilers, while new centrifugal chillers will provide chilled water for cooling. The new chilled system consists of a 400 ton heat recovery chiller, with 500 and 1000 ton chillers to round out the design load. Diesel Engines will provide electrical energy to the facility for essential systems in case of an emergency.

The Energy Centre is located at the extreme end of the Campus to facilitate future clinical growth, and is connected via a 1300 linear foot tunnel to the main Hospital.

Social Events

Lobster Kitchen Party @ Captain Dan's Shediack, NB - June 22, 2013

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