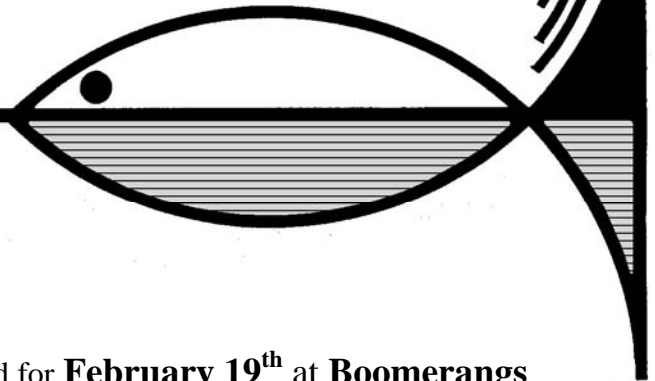




The Herring Choker

ASHRAE
NB PEI CHAPTER



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The February meeting is scheduled for **February 19th** at **Boomerangs Steak House**. The topic for this meeting will be **Air/Air Heat Recovery** and will be delivered by **Eric Van Uytfaeck, Eng.** The social hour will begin at 5:00 PM with a cash bar. The presentation will follow at 6:00 PM. Diner will be served at 7:00 PM.

February's meeting is **Research Promotion Night**.

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 Boomerangs.

Scholarship Announcement

Charline Godin, a second year BSET student in the Civil Engineering Technology department, has won the Emile R. LeBlanc scholarship in the amount of \$1000. The award is provided annually by the New Brunswick and PEI chapter of ASHRAE. Presenting the award is the ASHRAE Student Activities chair John Willden, P.Eng. MBA, who is also the HVAC instructor at NBCC Moncton. Three BSET students, Charline Godin, Jessie Christenson and Denis Hebert are all on the Deans List at the college.



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ASHRAE NB/PEI Chapter – Night Out With The Cats

Well, this year's event was a success with 49 people signed up to attend the Quebec Major Junior Hockey League game on January 26th between the Lewiston MAINEiacs and the Moncton Wildcats. We even had some attendees from out of town. It was a back and fourth game with the home team getting the win by a final score of 5-4. A good time was had by all who attended. Due to the success of this years event, look for a similar event (or events) to be planned for next year.

February's Topic: Air/Air Heat Recovery

Speaker:

Eric Van Uytfaeck, Eng.: is the Applied Internal Sales and Canadian East Coast Sales Manager for Venmar CES Inc., a manufacturer of energy recovery solutions for the commercial ventilation market.

He has over 12 years of experience in the commercial and industrial HVAC market specializing in design of applied systems with particular emphasis on energy recovery components. He holds a college degree in Pure and Applied Science from Rosemont College in Montreal and a Bachelor of Mechanical Engineering Degree from Sherbrooke University.

Mr. Van Uytfaeck is a member of the Quebec Order of Professional Engineers as well as the American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE).

Presentation Outline:

- 1- Various energy recovery devices description; air-to-air plates, heat pipes, wheels, enthalpic membranes
- 2- Device specifics: purge systems on wheels, contamination, desiccants,...
- 3- ARI-1060: EATR, OACF, effectiveness, ARI website... example
- 4- ASHRAE 90.1, addendum y
- 5- Conclusion



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Summary of January's Meeting

Mike Bujold, Director, Commercial Sector Programs for Efficiency NB gave a very interesting presentation about some of the initiatives currently underway in the commercial and industrial sectors. His complete Power Point presentation will be posted on the Chapter's web site. A few highlights are summarized below, but readers are encouraged to visit the web site to view all 37 of Mike's slides.

The *NB Climate Change Action Plan* was officially launched in June 2007, and some impressive accomplishments have already been met. Among the technical challenges at this time are:

- the need for a NB energy code
- selling the business case for life-cycle cost projects vs first cost projects
- reducing resistive heating loads
- creating a culture that "everybody's a winner!"
- overcoming barriers with respect to small commercial buildings

In the commercial sector, three new programs are underway:

- *Bright Ideas* provides a subsidy so that Efficiency NB pays the higher cost of premium energy efficient lighting products at participating electrical distributors in the province
- *Energy Smart for Existing Buildings* provides up to \$2000 grants for energy audits and up to \$50,000 grants for energy retrofit projects
- *Smart Start for New Commercial Buildings* provides grants of up to \$60,000 to offset the cost of designing sustainable high-efficiency buildings

In the industrial sector, achievable energy potential is estimated to be in the range of 5% to 13% over 15 years. If 13% could be reached, this equates to enough energy to heat 50% of the homes in the province. The program objectives include:

- establishing a strategy for sustainable energy and GHG reductions.
- address key barriers (resource, financial, risk)
- promoting technology and best practices.
- supporting productivity improvement and increased competitiveness.
- building capacity and a culture of efficiency.

Mike's presentation included several interesting graphics. A few minutes reviewing the slides would be quite worthwhile for most ASHRAE members.

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A Brief History of the ASHRAE Handbook

The lineage of the Handbook begins in 1922, when the American Society of Heating and Ventilating Engineers (ASH&VE) published its Heating and Ventilating *Guide*. Its purpose was stated as follows in its preface:

"The purpose of this new addition to the Society's publications is to provide the engineer, the architect and contractor alike, with a useful and reliable reference data book relating to the art of heating and ventilating. A wide range of data within the scope of the field is presented and every effort has been made to present the material in a practical and useful manner."

Society Technical Committees, Task Groups, and individuals obtained data and prepared chapters using information from any authoritative source. Society-sponsored research provided much information.

NB/PEI ASHRAE Chapter Meeting Schedule 2007/2008

February 12, 2008

Research Promotion Night

Topic: Air/Air Heat Recovery

March 11, 2008

Membership Night

Topic: Humidification

April 8, 2008

Student Night

Topic: Distinguished Lecturer

April 16, 2008

ASHRAE WebCast

Topic: Integrated Building Design

May 7-8, 2008

MEET Show

Topic: Distinguished Lecturer

June 10, 2008

Technical tour

Location: Molson Brewery, Moncton



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