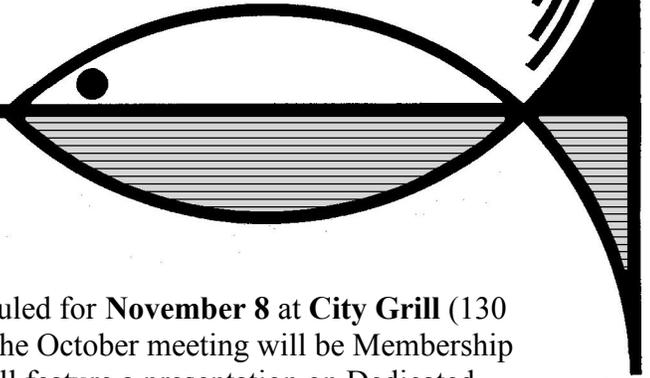


The Herring Choker

ASHRAE
NB PEI CHAPTER



2011-2012 Executive

President:

Kevin Clannon
(506) 382-8625

President Elect:

Dwight Scott
(506) 204-2820

Vice-President:

Robert McEwen
(506) 857-8880

Treasurer:

Jennifer Chapman
(506) 857-8788

Secretary:

Eugene Bilodeau
(506) 382-2625

Membership:

Dan Boudreau
(506) 857-8880

Research Promotion:

Robert McEwen
(506) 857-8880

Student Activities:

John Willden
(506) 856-2215

Historian:

David Samuel
(506) 204-5922

CTTC Chair (Programs):

Yves Savoie
(506) 858-1300

Newsletter/Website:

Rob Hoadley
(506) 459-3940

Board of Governors:

Frederik Bernard
Mike Boudreau
Mathieu Breau
Camille Chevarie
Pierre Comeau
Frederic Desjardins
Luc Dugas
Eric Leblanc
Kevin Leger
Ken Martin
Jason Nelson
Gerry Waselynychuk

Our next Chapter meeting is scheduled for **November 8** at **City Grill** (130 Westmorland St, Moncton, NB). The October meeting will be Membership Promotion and YEA Night, and will feature a presentation on Dedicated Outdoor Air Systems (DOAS) by Danny Suansing, Engineering Manager with Addision LLC.

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.



Chapter President Kevin Clannon (R) presents a token of appreciation to the October speaker Daniel Harris (L) of Dadanco. A summary of Mr Harris' presentation can be found in the following pages.

Representing:
Baltimore Aircoil of Canada
Division of Baltimore Aircoil Interamerican Corporation

GERRY WASELYNCHUK
PRESIDENT

Aquavap Indotec Agencies (NB) Inc.
120 RIDEOUT STREET
MONCTON, NEW BRUNSWICK E1E 1E2
VOICE: (506) 857-8744
FAX: (506) 857-8890
e-mail: gerry@aquavapgroup.ca




Atlantica Mechanical
CONTRACTORS INC.

Ken Martin
Project Manager

290 Baig Blvd. Unit B5
Moncton, N.B. E1E 1C8
Tel: (506) 384-3425
Cell: (506) 227-3734
Fax: (506) 384-0495
e-mail: kmartin@atlanticamechanical.ca




MCW
Maricor
A Division of MCW Consultants Ltd.

77 Vaughan Harvey Blvd., Suite 200
Moncton, New Brunswick E1C 0K2
Phone (506) 857-8880
Cell (506) 381-1393
Fax (506) 859-8393
e-mail: fdesjardins@mcw.com
www.mcw.com

Frédéric R. Desjardins,
P.Eng., LEED® AP
Mechanical Design Engineer

Toronto Winnipeg Vancouver Ottawa Moncton Saint John

November Meeting Speaker Biography

Danny Suansing has been employed by Addison LLC for over 10 years. He started as an Engineering Lab Supervisor, and has since become the Engineering Manager – Sustaining & Electrical, a position he has held since 2008. Mr Suansing has been involved in QA inspections and testing, standardization of electrical and refrigeration components, lean manufacturing, and R-22 to R-410a conversions. Mr Suansing holds a Bachelor of Science in Electrical Engineering from Far Eastern University in Manila, Philippines. He is employed out of Addison LLC's office in Orlando, FL.

ASHRAE Golf Shirts

Our chapter was chartered on October 13, 1972, and we are planning to order special commemorative golf shirts. These would have the ASHRAE hexagon logo on the chest, with "NB/PEI" underneath. The chapter's "ship's wheel" logo would be placed on the sleeve, with the words "40th Anniversary – 2012" below it. The logos and lettering would be embroidered.

Please email Dwight Scott (dwightgscott@gmail.com) to provide your input to the following questions:

1. Would you buy a good quality shirt for \$30 - \$40 depending on quantity ordered?
2. Would you prefer 100% polyester or a 60% cotton/40% poly blend?

Shirts will be ordered early in the New Year to be available for MEET 2012 in May.

Business Card advertising available in *Herring Choker*

Here's an opportunity to advertise your business in the *Herring Choker*. When we were mailing out printed newsletters, we were restricted to the four-page format, with the included 22 business card ads. Now that we are publishing only the electronic version, we have more flexibility in the layout, and are able to include additional ads.

If you wish to have your business card included in the monthly newsletter, send a digital file to Robert Hoadley (robert.hoadley@rogers.com). The cost is only \$100 per year, and this revenue will help subsidize the cost of our monthly meetings.

SCAN AIR BALANCE 1998 LTD.
Certified Member AABC

HVAC
Air & Water Balancing • Duct Leakage Testing

MEDARD LEBLANC

50 Driscoll Crescent, Suite 200 Tel: (506) 857-9100
Moncton, N.B. E1E 3R8 Fax: (506) 857-1719
scanair@nb.aibn.com




Hatch Mott MacDonald

Camille Chevarie, P.Eng.
Senior Project Engineer

50 Cameron Street
Moncton, NB E1C 9A9 Canada
T 506.857.8708 F 506.857.8989
camille.chevarie@hatchmott.com



Victaulic

Brad McAllister
Sales Representative

155 Canaan Drive, Suite #411 Cust. Service: 1.877.426.3500
Dieppe, NB E1A 0W4 Fax: 506.384.3617
bmcallister@victaulic.com Cell: 506.875.3352



TWEEDIE & ASSOCIATES
CONSULTING ENGINEERS LTD.

Stephen Tweedie
P. Eng., LEED AP, CBCP

33 Pine Glen Road
Riverview, NB E1B 1V3
Tel. (506) 383-8223
Fax. (506) 382-8223
Cell. (506) 852-1570
e-mail. stweedie@tace.ca

PEERLESS CONSULTING LTD.

François Thériault, P.Eng., LEED AP

Tel: (506) 387-3083 Fax: (506) 387-3089
E-Mail: Francois.Thenault@nb.aibn.com
www.peerlessconsultingltd.com
106 HILLSBOROUGH ROAD, RIVERVIEW, N.B. E1B 1R3

Duct Cleaning Asbestos Microbial

POWER VAC[®]

PAUL G. BLACK, P.Eng.
General Manager

POWER VAC SERVICES 1-800-561-3828
P.O. BOX 4726 Tel. (506) 847-4169
ROTHESAY, NB FAX (506) 848-6808
E2E 5X4 e-mail: powervac@nb.aibn.com

October Meeting Summary

Daniel Harris of Dadanco Inc. spoke about Active Chilled Beam Systems. This system was derived as an innovative improvement over existing Chilled Ceilings and Passive Chilled Beam systems.

In Active Chilled Beam Systems only the fresh air as per requirements of standard ASHRAE 62 is treated and conveyed to the conditioned area into a chilled beam. The air travels through specially designed nozzles that induce the flow of additional about 4 times the volume of recirculated air thus saving a significant amount of fan energy costs. The room air is drawn through the water cooling/heating coils, mixes with the treated fresh air, and is returned to the room through perforated ceiling panels. This system eliminates the need for terminal filters, condensate pan and piping, and the system runs clean as there is no condensation on the coils. The chilled water is supplied at a much higher temperature than the dew point thus avoiding condensation. Ducts are smaller as only treated fresh air is conveyed to the room. Piping costs are also reduced as only small diameter pipes are carried to each unit.

Benefits include reduced floor-to-floor heights (as the Active Chilled Beam Units can be mounted tight up against the ceiling thus lowering the construction costs), low noise levels, and low maintenance, as there are no moving parts or consumable parts. Since higher temperature chilled water is used the water can be supplied from a secondary loop to an existing chilled water system thus imposing no additional chilled water requirement. Alternatively, a higher COP (11+) secondary chiller designed for 50 deg F water can be selected for catering to the load of the Active Chilled Beam System. If a water-cooled chiller is used, Free Cooling can be achieved depending on the climatic conditions either from tower water or a Ground Loop feeding the terminal coils.

Mr Harris also explained the various types of systems available such as 4-pipe system and 2-pipe system and how the oversized cooling coil allows the use of low temperature hot water (90F to 130F) for heating loads. The design considerations and building type that favour Active Chilled Beam System are zones with moderate to high sensible load densities, zones where acoustical environment is a key design criterion, labs where sensible loads drive the airflow as opposed to air change rates and buildings seeking LEED or Green Globe Certification.

For a copy of the Power Point Presentation in PDF format, please email your request to: devadason19@hotmail.com

Master
REFRIGERATION HEATING AIR CONDITIONING

Kevin Clannon, CET
Senior Applied Sales
Specialized Equipment
kclannon@master.ca

The Master Group L.P.
186, Dieppe Blvd.
Dieppe (N.B.)
E1A 6P8

T 506.382.8625
C 506.875.0675
F 506.382.8626
1 888 577.8625
www.master.ca

ITT

Bill Hooper, C.E.T.
Territory Manager
Market Development Manager
B&G Hydronics

Residential & Commercial Water
ITT Fluid Products Canada
ITT Water Technology (Canada) Inc.

87 Auburn Way
Quispamsis, NB E2E 5C3
tel: 506.849.0334
fax: 506.649.8485
bill.hooper@itt.com

1-888-ITT-4033

SCD S.C. DELONG
Sales Inc.

Stephen DeLong

15 Henry Lorne Dr., Lower Coverdale, N.B., E1J 1C4
Tel: 506-387-4412 • Fax: 506-387-4942

ADI
ADI Limited
A Trane Global Company

Bruce L. Pearson, B.Sc., P.Eng., MBA
Manager
Mechanical/Electrical Services

ADI Limited
1133 Regent Street Suite 300
Fredericton, NB E3B 3Z2 Canada
T 506.452.7357
F 506.459.3954
E blp@adi.ca

J.F. Taylor Enterprises Ltd. 

Manufacturer's Agents for
Plumbing, Heating &
Humidification

Andrew G. Campbell - Owner
Barry Marchand - Owner

Proudly Serving Atlantic Canada

170 Millennium Blvd
Moncton, N.B.
E1E-2G8

Phone : (506)-389-3739
Fax : (506)-856-5972

J F Taylor Enterprises
Leaders in Green Plumbing

VISIT OUR WEBSITE: WWW.JFTAYLOR.CA

Andrew Smith
Training & Sales Manager

NTI
NY THERMAL INC.

30 Stonegate Drive, Saint John, NB E2H 0A4
Tel: 506-657-6293 Cell: 506-721-4318 Fax: 506-657-2387
asmith@nythermal.com www.nythermal.com

NB/PEI ASHRAE Chapter Meeting Schedule 2011/2012

November 8, 2011

Membership Promotion and YEA Night

Topic: Dedicated Outdoor Air Systems

December 13, 2011

Research Promotion Night

Topic: Christmas Party and Past Presidents Night

January 10, 2012

Topic: CRN Numbers for Natural Gas Installations

February 14, 2012

Topic: Investments and Tax Free Savings

March 13 2011

Membership Promotion Night

Topic: Speaker from Moncton Construction Association

April 10, 2012

Research Promotion Night

Topic: ASHRAE Distinguished Lecturer - To Be Announced

May 2-3, 2012

MEET SHOW

June 12, 2012

Topic: Alternative Energy

ENERTRAK inc.
DISTRIBUTOR OF HVAC EQUIPMENT

www.enertrak.com

MITSUBISHI ELECTRIC **CANCOIL** **DESERT AIR**

Marvair **STULZ** **DUNHAM-BUSH**

ERIC LEBLANC, P. Eng.
10-297 COLLISHAW, MONCTON, NB E1C 9R2
T 506.855.3365 F 506.855.3370 C 506.875.0978

Your complete
HVAC
Supplier!

GLOBAL
Mechanical Systems Ltd.
www.globalmech.com

290 Baig Blvd.
Suite B14
Moncton, NB
E1E 1C8

Ph: (506) 857-4887 Fax: (506) 857-1989

AEM **Advanced Energy Management Ltd.**
Putting our energy into saving yours

222 Edinburgh Drive, Unit 1
Moncton, NB E1E 4G7

Doug Briggs
Customer Representative

Tel: (506) 857-0818 Ext 681
Fax: (506) 857-0867
Cell: (506) 878-7092
Email: dbriggs@aemltd.com
Web: www.aemltd.com

ALERTON
AUTHORIZED DEALER

Craig Brown
Sales Engineer
Eastern NB, PEI

TRANE
Atlantic

Tel: 506-633-2307
Fax: 506-633-2301
Cel: 506-333-8099
Email: cbrown3@trane.com

Head Office
109 Williams Ave., Unit 5
Dartmouth, NS B3B 2E3

Gary Hoadley
Senior Mechanical Engineer

crandall

Crandall Engineering Ltd.
1077 boul. St. George Blvd., Suite 400
Moncton, NB Canada E1E 4C9
Tel: (506) 857-2777
Fax: (506) 857-2753
Cell: (506) 866-1976
grh@crandallengineering.ca
CRANDALLENGINEERING.CA

ENBRIDGE

Luc Dugas, P. Eng./ing.
Energy Management Consultant
Consultant en gestion de l'énergie

Enbridge Gas New Brunswick
Enbridge Gaz Nouveau-Brunswick

84, croissant Dorcoil Crescent
Moncton, NB E1E 3J8 Canada
Website/htWeb: www.naturalgasnb.com
Emergency/Urgence: 1-800-994-2762

Tel/Tél.: 506-388-3273
Fax/Télex.: 506-388-2591
Toll Free/Sans frais: 1-888-642-2020
luc.dugas@enbridge.com

CONTROLS & EQUIPMENT
www.controlsequipment.com

HVAC
Lighting
CCTV
Access

HEAD OFFICE
185 Millennium Blvd.
Moncton, NB E1E 2G7

Tel: (506) 857-8833
Fax: (506) 855-3686
www.controlsequipment.com