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ASHRAE
NB PEI CHAPTER



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This month's meeting is scheduled for **May 12th** at **City Grill**, formerly Boomerangs, on 120 Westmorland Street, Moncton. The topic of this meeting will be **Variable Frequency Drives and Motors in the HVAC Industry** delivered by **Steve Fecica**, Eastern Regional Manager for MGI Technologies Inc. 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.

A reminder to the Executive, Board of Governors, and the Committee Chairpersons that the executive meeting will start at 4:00 PM at City Grill.

ASHRAE NB/PEI Chapter Scholarship Program

Award for HVAC Student

Eligibility: This award is given to a student who has completed his or her first year and is pursuing his or her second year in the Heating, refrigeration, ventilation and air-conditioning program at the Collège communautaire du Nouveau-Brunswick Campus d'Edmundston.

Selection Criteria: Academic results and financial need

Amount: \$750

Funding: NB / PEI Chapter

Application Process: The Edmundston Campus of Collège communautaire du Nouveau-Brunswick administers this award on the Chapter's behalf. Application information is available from the Student Services of the Edmundston Campus.



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Frédéric R. Desjardins,
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May Meeting Overview:

Speaker Profile

Steve Fecica is the Eastern Regional Manager for MGI Technologies Inc. He graduated from Ryerson Polytechnical Institute – Electrical in 1968 and has been a member of the Electrical Drives Industry for over 25 years, during which time he has held Management positions in Sales, Marketing and Product Development. Steve joined the MGI team in 1998 and took on the responsibility of setting up service and sales representatives in all major eastern NAFTA centers. MGI Technologies is responsible for designing and manufacturing Adjustable Frequency Drive systems for applications in the HVAC and Water – Waste Water industries in both Canada and the USA.

Presentation at ASHRAE Moncton May 12, 2009

Application of Variable Frequency Drives and Motors in the HVAC Industry with emphasis on packaging, energy savings, self-contained PID process control, network communication and harmonic issues, including features of Inverter Duty Motors.

Summary of last month's meeting

April's meeting saw distinguished lecturer Robert Bean give a presentation on The Human Factor in HVAC. The presentation explored the need to integrate engineering, architectural, and biological/medical input in order to achieve a well designed building, including accounting for all factors in the build environment and how they affect the perception of comfort. This is because the mean radiant temperature in a room can vary significantly depending on the location of a person in the space. His presentation was very well executed with lots of graphics and animation, including some depicting the physiology of the human body, which made it easier to follow along. Feedback for this presentation was very positive, here are some of the comments.

- He really set the standard for future speakers.
- Excellent presentation. Very innovative graphics with animation. Top marks for a great speaker.
- Excellent Presentation. Made to understand by everyone.



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Proposed Standard 189.1 Begins Third Public Review with Increased Energy Savings

The first draft of the reconstituted committee boasts increased user friendliness

ATLANTA – With additional energy savings over the previous draft, the nation’s first standard for high-performance green buildings began its third public review period May 1, marking the first draft released by the newly reconstituted Standard 189.1 committee. Comments on the draft standard will be accepted through June 15.

Proposed Standard 189.1, Standard for the Design of High Performance, Green Buildings Except Low-Rise Residential Buildings, is being developed by the American Society of Heating, Refrigerating and Air-Conditioning Engineers in conjunction with the Illuminating Engineering Society of North America (IESNA) and the U.S. Green Building Council (USGBC). This is the first such green building standard in the United States.

“Standard 189.1 is essential for the further promotion of high-performance green buildings in the United States and for reaching net-zero-energy goals,” says Kent Peterson, chair of the committee. “The committee is confident that this standard, with its increased energy savings over Standard 90.1, will help building owners and operators as well as local jurisdictions meet their sustainability targets.”

The third public review draft has been reorganized to be more user-friendly while focusing on delivering and maintaining energy and water efficiency performance over the life of the building. Compared to the previous draft, this draft provides increased energy savings over ANSI/ASHRAE/IESNA Standard 90.1, Energy Standard for Buildings Except Low Rise Residential Buildings.

Eliminated in this version is the requirement for 30% additional ventilation beyond Standard 62.1 in classrooms and office spaces, with instead an emphasis on source contaminant control to improve indoor air quality.

Meant to provide minimum criteria for green building practices, the standard is applicable to new commercial buildings and major renovation projects. When completed, it will address energy efficiency, a building’s impact on the atmosphere, sustainable sites, water use efficiency, materials and resources, and indoor environmental quality, among other high-performance green building issues.

The committee was expanded late last year to 34 voting members after an open call for members to broaden the expertise from a variety of interested categories. The proposed standard has generated substantial public interest, with more than 900 comments received during each of two previous public reviews.

To view a copy of the public review draft, go to www.ashrae.org/publicreviews. Copies of public review drafts are only available during public review periods. Publication of the standard is expected by early 2010.

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NB/PEI ASHRAE Chapter Meeting Schedule 2008/2009

May 12, 2009

Topic: Variable Frequency Drives in HVAC

June 9, 2009

Membership Night

Topic: Corridor Resources



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Registrations are now being accepted for the 2nd annual conference and trade show being presented by our chapter in partnership with NSCC. The day long event will feature **inspiration and innovation** - the latest in green building design, technologies, materials and products.

Catch the wave - all the information and registration is available at:

<http://www.buildgreenatlantic.org>



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