

# ASHRAE Ottawa Valley Chapter

## Chapter Meeting #3, November 21st, 2006 (5:30 p.m.)



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Meeting Date:	Tuesday, November 21 <sup>st</sup> , 2006
Location:	La Contessa Banquet Hall, 156 Cleopatra Drive, Nepean, ON
Presiding Officer:	President: Glenn MacLean, M. Eng.
Attendance:	Total: 72      Guests: 7      Students: 0
Theme Night:	Research Promotion
Table Top:	Venmar CES – Longhill Energy
Program:	Heat Recovery Technologies in Typical HVAC Applications
Speaker(s):	Mr. Geoff Gorai, P.Eng. Engineered Air
Prepared by:	Francois Belair, P.Eng. – June 18, 2007

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### ***Technical*** (4:30 – 5:30)

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A technical seminar was held prior to the meeting, titled **Incentive Programs 101**. Mr. Luigi Pisani of Enbridge gave a short presentation entitled **Energy Recovery – The Payback Analysis**. This presentation provided attendees an outline of:

- Various natural gas incentive programs offered by Enbridge
- Calculation methodology in assessing incentives for new and retrofit projects

### ***Social*** (5:30 – 6:30)

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### ***Business Session*** (6:30 – 6:45)

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- GM opened the meeting and welcomed members, guests and students
- GM introduced the Board of Governors
- IB introduced the guests and students
- Jay Doshi discussed ASHRAE research and the importance of its support to the local chapter. Jay thanks AC Mechanical and the Master Group for their generous donation of tickets to a pair of upcoming Senators games. The tickets will be raffled during the business session to raise funds for research.

### ***Dinner*** (6:45 – 7:20)

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### ***Business Session-Continued*** (7:20 – 7:40)

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- GM thanks the membership for their attendance this evening.
- GM asks RVC ----- to say a few words about the TEGA program and its value to society before presenting the awards for the regional winners. Those recognized are:
  - Marc Chiasson of Genivar for the Bell Sensplex facility in Ottawa, ON in the category of new public assembly buildings.

- Megan Wallace of Genivar for the NOTC Venture Phase II in Victoria, BC in the category of new residential buildings.
- GM invites the table top presenters to discuss their displays.
- GM invites JD to draw the winning tickets for the Research raffle. The evenings raffle raises over \$400 for this year's campaign.

***Evening Program*** (7:50 - 8:45)

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Program: Heat Recovery Technologies in Typical HVAC Applications  
Speaker: Mr. Geoff Gorai, P.Eng.

Glen MacLean introduced the evening speaker.

Geoff's presentation compared the main technologies typically available in HVAC heat recovery applications: Glycol Run-Around, Air to Air Plate Type Heat Exchangers, Heat Pipes, and Total Energy or 'Heat' Wheels. Using detailed psychometric analysis and simple sketches Geoff presented each technology individually giving the attendees an overview of as to how each works, and the recovery performance expected.

This was followed by a brief discussion on advantages and disadvantages of each system with some of the pitfalls in selecting one recovery type versus another based on the application.

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Distribution  
**Board of Governors**  
**All RVCs**  
**DRC**