

ASHRAE Ottawa Valley Chapter

Chapter Meeting #4 – January 18, 2011 (17:30 pm)



Meeting Date:	January 18, 2011
Location:	Travelodge Ottawa, 1376 Carling Avenue
Attendance:	Total: 75 Members: 52 Guests: 15 Students: 8
Theme:	TEGA/Program
Tech Session:	HVAC Fundamentals by Joel Primeau
Table Top:	Engineered Air – Creotech Regulvar Canada
Program:	La Cité Verte
Speaker:	Marc Dugré/Claude Routhier - Regulvar/Poly-Energie Inc.
Prepared by:	Roderic Potter

Tech Session (16:40-17:30)

- Past President Joel Primeau presented a back to basics session on HVAC Fundamentals which was attended by approximately 25 people.

Social (17:30 – 18:40)

Business Session (18:40 –18:55)

- President Christine Kemp introduced the Board of Governors and the Executive.
- Secretary Rod Potter introduced the guests for the evening.
- Membership Chair Adam Moons announced the new members – Richard Croucher, Dan Bradley, Brian Warren, Robert Saunders, Joshua Hale, Thomas Burke, and Geoff Chadsey
- President Christine Kemp reminded us that ASHRAE OVC encourages members to sponsor student meals. Joel Primeau, Gemma Kerr, Cathy Godin, Paul Lemieux, Paul Baker, Adam Beales (2) and others stepped up.
- Chris Healey announced the upcoming ASHRAE OVC Bonspiel and named location, dates, and other pertinent details.
- Jason DeSousa extolled the virtues of Joel Primeau’s tech session “HVAC Bootcamp” which was by all accounts most excellent.
- Past President Cathy Godin oversaw the raffle ticket sales for the Senators Game Ticket Giveaway Draw (courtesy Genivar).

Dinner (18:55 – 19:40)

Business Session cont. (19:40 –19:55)

- The Sens Ticket Draw was overseen by President Christine Kemp – it was won by Doug Graham of Tamco, and this draw earned \$260 for ASHRAE Research.
- Governor Georges Maamari spoke about this new TEGA year and encouraged entries for the various categories of building. Deadline for entries is March 4th 2011.
- President Christine Kemp thanked the parties who provided Table Top Displays: [Engineered Air] Glenn Maclean and Johan Martensson [Creotech] spoke about their display.

- [Regulvar] Stephan Riffault spoke about their display.
- Cathy Godin spoke briefly about the upcoming ASHRAE Vegas show (Jan. 29th – Feb. 2nd) and asked for a show of hands for attendance; reminded us of a membership committee meeting that all could attend.

Evening Program (19:55 – 21:15)

- Speaker Claude Routhier of Poly-Energie Inc. was first to speak. His slideshow was entitled “How to Make it Green” and described the following:
 - o Demolition of existing buildings on the site;
 - o Description of the 840 homes and community spaces planned around collective equipment;
 - o The project is following the tenets of LEED for neighborhood development;
 - o The main design highlights such as increasing population density, managing rainwater, reducing road surface, public transit, interactive street lighting, district heating, and pneumatic waste recovery;
 - o The prime heating is via a 5MW biomass plant with a “neutral” carbon footprint, providing low temperature hot water via a district heating scheme, with 2 km of hydronic piping;
 - o There are 20 district heating substations ranging from 15 to 1400 kW in capacity;
 - o Prime fuel for the boiler plant is premium quality wood pellets which have a pollution rating similar to heating oil. There are 4 boilers each rated at 1250 kW plus a 5.2 MW gas-fired back-up plant.

- Speaker Marc Dugré of Regulvar spoke next. His slideshow described the intricacies of the control system being installed for the entire site:
 - o Control of the boilers, pellet movement, chimney monitoring, network pressure, district heating substations, secondary side temperature control, and flow measuring and metering;
 - o Each tenant has a touch-screen web-portal revealing real-time energy usage and costs;
 - o The system makes use of wireless technology.

- The site is currently under construction and a typical 2-bedroom condominium will be priced at approximately \$350K.

- President Christine Kemp thanked both Claude and Marc for their excellent presentation and presented each with a small gift.
- Meeting adjourned 21:15

Distribution:

All Board of Governors, Webmaster, DRC and All RVCs