



LEEP Gas Mechanicals Technology Forum

November 15, 2018 from 8:00 am to 3:30 pm

Toronto Marriott Markham

170 Enterprise Boulevard, Markham

This forum responds to builder needs expressed at OHBA and CHBA

Local delivery is supported by:



Ontario
Home Builders'
Association

Canadian
Home Builders'
Association



This Forum is primarily for:

Builders and renovators: This Forum will help you deliver greater comfort throughout your more challenging homes during summer heat waves, winter cold spells, and all the part load conditions in-between. It will introduce guides you can use when coordinating work with home designers, window suppliers, HVAC designers, and HVAC contractors. It will help you make sure that you get advice on the items you need from each of these experts. It will also provide you with four case study mechanical solutions for a challenging home.

Designers and contractors: This Forum provides new guides you can use to design and specify HVAC systems for today's housing. You can use them to quickly verify design decisions with builders and renovators so you can proceed with your designs expediently. Innovative solutions using different types of gas mechanical systems will also be reviewed.

Building Officials: This Forum, approved for 6 credits with the OBOA, will let you consider emerging HVAC solutions for today's and tomorrow's homes, both in terms of equipment and air distribution. It will provide you with guides you can consider as you review installations in today's housing.

Registration: Cost: \$60 + GST. Includes lunch.

Register with OHBA on-line at:

<https://www.ohba.ca/product/registration-2018-leep-gas-mechanicals-technology-forum/>

Or call: Sajida Jiwani at (416) 443-1545 x 222



REGISTRATION AND REFRESHMENTS (8:00 - 8:30 am)

Welcome – Rick Martins, President, OHBA

Opening Remarks – Bruce Manwaring, Manager, Low Income & New Construction DSM, Enbridge
Plan for Today – James Glouchkow, Forum Moderator & LEEP Team Leader, NRCan

Panel Session: The heating and cooling needs of today's housing

Focusing on changing heating and cooling needs resulting from housing market trends towards:
a) attached, tall, and open concept designs b) more energy efficient construction practices, c) more clients with high comfort expectations and information from the internet ... and more

Panel – **Builder:** Sean Wadsworth, Branthaven Homes; **Consultant:** Andy Oding, Building Knowledge; **Design:** Adam Sylvestre, HVAC Designs; **Contractor:** Tony Di Clemente, Aria Comfort

COFFEE BREAK

Demonstration: Working with your HVAC designer to enhance comfort and save cost

1. **Builder:** Introduces the home design to be used in this demo.
2. **Builder and designer:** Make mechanical system design decisions together using a new guide
3. **HVAC designer:** Illustrates the resulting design.

Demonstration providers – **Builder:** Sean Wadsworth & **HVAC Design:** Adam Sylvestre

LUNCH

Comparing Heating and Cooling Solutions: 4 innovative options for today's homes

1. **Manufacturer Presentations*:** Best practice solutions for the case study home including costing.
2. **Closing Panel:** Open discussion with all of the days presenters on the issues and opportunities.

Manufacturers – Philippe Verhas, Dettson; Len Carfa, Carrier; Tim Prevost, ESP;
& Ramzi Handal, iFLOW

WRAP-UP (by 3:00 pm)
Manufacturers available until 3:30

Notes:

Forum Development: This forum was developed by Natural Resources Canada's (NRCan's) LEEP team in partnership with the Canadian Gas Association and member utilities: Atco Gas, Enbridge, SaskEnergy, and Union Gas. NRCan's LEEP is a builder and renovator driven technology to market initiative delivered by NRCan's Office of Energy Research and Development. To find out more, web search: **nrcan leep**.

***Manufacturers:** The CGA and participating gas utilities wanted to show some efficient high performance systems and selected the presenting manufacturers through an open two staged process.

Contributions: We would like to thank the OHBA for hosting this event, and Enbridge for supporting its delivery. Participant fees cover OHBA administration.