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ASHRAE LONDON CANADA CHAPTER #116

Topic:

**Heat Recovery from Flue Gas in Gas-Fired Boilers:
Maximizing System Efficiency and Applicability to
Steam Plants**

Presenter:

Matthew Reid

**Technical Director, Heating Department for Eastern Canada
E.H. Price Solutions**

With Special Presentation by:

Mark Davey, P.Eng., CEM

**Sr. Advisor, Commercial Energy Conservation
Enbridge**

On

**Enbridge Gas incentives update for boilers and
other HVAC solutions**

Monday March 30th, 2026

***Young Engineers in ASHRAE (YEA) Night*¹**

4:00pm to 6:00pm = Social; 6:00pm to 7:00pm = Dinner; 7:00pm = Presentation

The Club House

100 Kellogg Ln, London

[Registration Link](#)

\$90 – Members | \$30 – Students

e-Transfer to ashraelondon@gmail.com preferred



¹ All members welcome. Simulators to be rented for the duration of the 2-hour social period.

March Topic:

This technical session will explore how modern flue-gas heat recovery technologies— economizers can significantly improve the fuel-use efficiency of gas-fired boilers (non-condensing, condensing, and steam systems). Attendees will learn why efficiency figures can exceed 100% when a heat pump is added to the system and how latent heat recovery is captured. How high-temperature heating systems can still deliver superior performance when paired with appropriately designed recovery equipment.

You will learn:

- The role of latent heat in boosting measured efficiency.
- Heat recovery options and where they best apply: condensing economizers selection criteria based on operating temperature, and maintenance needs.
- Practical integration: using recovered heat for feedwater and deaerator preheat, condensate heating, combustion-air preheat, domestic hot water, and district heating; strategies to preserve steam quality and avoid system short-cycling.
- Steam-system specifics: opportunities and challenges when recovering heat from high-temperature flue gas and low-temperature condensing conditions in steam plants.
- Corrosion, fouling, and materials: assessing acid condensation risk, appropriate metallurgy/coatings, soot management, and condensate neutralization.
- Example paybacks, and lifecycle benefits including CO₂ and NO_x reductions.

March Presenter:

Matthew Reid

**Technical Director, Heating Department of Eastern Canada
E.H. Price Solutions**

About the Speaker:

Matthew is the Technical Director of the Heating Department for Eastern Canada at the newly formed E.H. Price Solutions.

Joining the industry in 2002 he has taken on many roles in the HVAC and Hydronic world. From managing wholesale heating departments to running his own design firm from 2016 to 2020. After exiting the design world, he joined the manufacturer's representative industry as a design assist consultant and technical trainer.

Matthew works closely with union halls and schools to share his knowledge with the next generation of installers and Engineers and to date has trained well over a thousand people on everything to do with boilers and heating. Matthew was a member of the Canadian Hydronic Council from 2021 to 2023 and assisted in the review and development of training programs as well as having input on the CSA B214 hydronic installation code.

Recently his role as technical director with E.H. Price solutions has taken him all over Eastern Canada to train and assist on design of heating and domestic hot water plants in the commercial and industrial realms.





2025-2026 Chapter President's Message

To ASHRAE London Chapter Members,

To introduce myself – I am Aaron Hampel, your ASHRAE London Chapter President for 2025/2026. I have been working in this industry since 2016 and have been involved with our chapter since 2018, working alongside the London Chapter Board of Governors (BOG). My hope is this year our chapter members will build strong relationships across the community, engaging in interesting topics with fantastic speakers.

The theme for the 2025-26 ASHRAE Society Year is "Healthy Buildings: Designing for Life." We are hoping, as a chapter, to achieve this goal by having our member organizations see a worthwhile investment in sending people out to our monthly meetings. We want to ensure that our industry has a sustainable future by investing in our members' continued success in this industry.

We have committed BOG volunteers who share the same goal of growing the chapter by providing value to our members. We aim to build on the success of last year by hosting many of our events at similar venues, giving everyone time to connect and share ideas. Everything the chapter decides to do is based on your feedback, so please share your insight! This is your local chapter, and our priority is providing value to our local members.

We wish to thank all donors to our previous year's research promotion campaign. We will communicate how these funds are being allocated and will advocate for your donations to be spent towards projects important to the chapter. Support for this calendar year is appreciated, and donations can be made through the link on our chapter website. If any members are interested in volunteering for the chapter, please contact me at aaronhampel@prestonhipps.com to join our team!

Regards,

Aaron Hampel



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Professional Development

Need hours for your professional development requirements? Be sure to attend a chapter meeting. Professional Engineers Ontario requires members to have yearly professional development training recorded through the Practice Evaluation and Knowledge (PEAK) program. Other groups may also require continuing education.

Chapter Upcoming Meetings

April 27th – **Speaker and Location TBD**

June 1st – **ASHRAE London Chapter Annual Golf Tournament**
Location: **FireRock Golf Club, Komoka**

June 27th – July 1st – **ASHRAE Annual Conference**
Location: **Austin, TX**

***** be sure to check web site for latest information *****
<http://LondonCanada.AshraeChapters.org>

ASHRAE Society Engineering Job Board

The ASHRAE society Engineering job is a publicly accessible job board where all companies can create job postings for HVACR related jobs. The resource is available at <https://jobs.ashrae.org/>

Business Card Ads

Place your business card in our monthly newsletter! Just \$100 for one year and will also be included on the ASHRAE London Canada Chapter website.

Contact either of our Newsletter Editors:

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ASHRAE RESEARCH

Hello ASHRAE London Members,

A big thank you to all of our annual sponsors who have helped us kick off the year at a record pace! Thanks to 12 local annual sponsors, we've already raised **\$1,950** toward **ASHRAE Research Promotion** - an incredible start toward our chapter goal of **\$10,390**.

We're excited to introduce this year's sponsorship opportunity for Chapter Members. A portion of every sponsorship goes directly to support ASHRAE Research Promotion, and we're thrilled to already be off and running thanks to your generosity.

Each month, sponsors and donors will be recognized in our chapter newsletter and on the ASHRAE London Canada Chapter website. To donate online please visit: <http://www.ashrae.com/donate>

Current Donors:

- | | |
|------------------|----------------------|
| ACP HVAC Supply | Mits Air |
| Ainsworth | O'Dell HVAC Group |
| Engineered Air | System Air |
| EH Price | Trane Canada |
| HTS London | Victaulic |
| Johnson Controls | WMC Water Management |
| The Master Group | |

\$1,950 RAISED



**GOAL
\$10,390**

<u>Contribution Levels</u>	<u>Individual</u>	<u>Company</u>
Honour Roll	\$150 +	\$500 +
Major Donor (Bronze)	\$250 - \$999	\$500 - \$999
Major Donor (Silver)	\$1000 - \$2,499	\$1000 - \$2,499

As always, donations can be made through the link on our chapter website, or feel free to reach out to Tom Deslippe at tommy.deslippe@gmail.com to assist with the process. Let's keep the momentum going!

Government Affairs

- Kate Mayberry – Government Affairs Chair 2025-2026
- Zachary Wilson – Government Affairs Committee 2025-2026

Happy National Engineering Month! March is Canada's largest celebration of Engineering recognizing the hard work and contributions of Engineers across Canada.

Subscribe now to this bi-weekly newsletter to stay connected with the most recent government activities around the world, pertaining to building professionals like you. You can access the most recent Government Affairs Update [HERE](#).



Previous Meeting: February Chapter Meeting

At our most recent ASHRAE meeting, Gary Chang, P.Eng., from Mitsubishi Electric presented on heat pump water heating technology and its role in helping Canada meet greenhouse gas reduction targets.

Gary's presentation explored how water heating solutions utilizing low Global Warming Potential (GWP) and low Ozone Depletion Potential (ODP) refrigerants compare to conventional approaches. Drawing on his experience in HVAC product application and development, he reviewed the current state of heat pump water heating technology, its environmental advantages, and why understanding these systems will be increasingly important as the industry works toward GHG reduction commitments in the built environment.

ASHRAE NEWS – March 2026

Proposed Bylaws Amendment: New Membership Model

ASHRAE members will vote on the Bylaws amendments to finalize the proposed new membership model on the **April 2026 ballot**. If approved by the membership, the new model will be effective July 1, 2027. The New Membership Model to simplify and expand ASHRAE's reach within the industry and around the world. In the new model, all members – no matter the country of residence or the membership grade – will receive access to ASHRAE Handbook Online (HBO), including Students! Discounted membership grades such as Students, Student Branch Advisors, Young Professionals and Tenured professionals will receive access to Handbook Online, the ASHRAE Journal, High Performance Buildings magazine, Insights newsletter, access to the ASHRAE Technology Portal and member pricing for ASHRAE publications, professional development courses and conferences. Members, who pay full dues based on their country of residence, will also receive the choice of one free benefit per year. Choices include: eLearning course, Certification Study Guide, Standard or Guideline PDF. More information can be found on the Society web site: <https://www.ashrae.org/membership/proposed-new-membership-model>

Society Scholarships Now Available!

The ASHRAE Society Scholarship deadline is coming up on May 1st! High School Senior and College Freshman have a chance to receive up to \$5,000 in scholarships for the 2026-2027 school year. Please invite any full-time student in an engineering program to apply for this prestigious scholarship! Visit Scholarship Program for a full list of eligibility criteria and application requirements: <https://www.ashrae.org/communities/student-zone/scholarships-and-grants/scholarship-program>

New ASHRAE Tech Hour: IEQ – Codes, Impact on People, and Considerations

Indoor Environmental Quality (IEQ) directly affects occupant health, comfort, and performance. This Tech Hour explores how indoor air quality, thermal comfort, lighting, and acoustics influence the spaces we inhabit. Learn how current codes and guidelines can be used to design healthier, high-performance buildings. Featuring Robert Bean, Erik Miller-Klein, Deborah Steimel-Clair, and Marwa Zaatari. Watch it now on **ASHRAE 365** and earn one PDH within 12 months of the release date. Learn more at: <https://www.ashrae.org/professional-development/tech-hour-videos>

2026 Canadian Mechanical & Plumbing Exposition (CMPX)

ASHRAE Members are invited to attend the Canadian Mechanical & Plumbing Exposition for free!

Location: Metro Toronto Convention Centre (South Building)

When: March 25–27, 2026

Register for the show FREE use code ASHRAE <https://www.cmpxshow.com>

Don't forget to visit booth #1447 to say hello and get some ASHRAE swag!

Several workshops and presentations are free.

An ASHRAE Course: Air-to-Air Energy Recovery Applications: Best Practices will be held on March 26, 2026 9:00am to 12:00pm



ASHRAE Pocket Guide 10th Edition

Now available in the ASHRAE Bookstore! The ASHRAE Pocket Guide 10th edition serves as a user-friendly, offline reference for engineers without easy access to complete ASHRAE Handbook volumes. This latest edition has been revised to include updates from the four current volumes of the ASHRAE Handbook series, from the 2019 editions of ASHRAE Standards 15, 34, 62.1, 62.2, and 90.1, and the 2020 edition of Standard 55. Learn more about what is included in the 10th edition and purchase your copy today.

<https://www.ashrae.org/technical-resources/bookstore/ashrae-pocket-guide-for-air-conditioning-heating-ventilation-refrigeration-10th-ed>

New ASHRAE Certification Study Guide

Now available in the ASHRAE Bookstore

The NEW **Certification Study Guide: Building Commissioning Professional (BCxP)** joins the growing suite of ASHRAE Certification tools to help you reach your professional goals.

Looking for something else? Also available are the **Certification Study Guides for Certified HVAC Designer (CHD)** and **Building Energy Modeling Professional (BEMP)**.

Tune-in to the ASHRAE Journal Podcast

Tune into conversations between leading ASHRAE experts as they discuss what HVAC engineers need to know to design better systems and grow the HVAC&R industry. Available on all podcast platforms.

<https://www.ashrae.org/news/ashraejournal/ashrae-journal-podcast>