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ASHRAE LONDON CANADA CHAPTER #116

TOPIC:
Holiday Lunch Social

Wednesday December 13th – Noon

Toboggan Brewing Company
585 Richmond St, London, ON



TOBOGGAN
BREWING Co.

Registration Link

<https://square.link/u/TgzYF5XC>

\$10





2023-2024 Chapter President's Message – First Half Review

To ASHRAE London Chapter Members,

As we approach the end of the year, I wanted to take a moment to reflect on our recent technical meetings and share some thoughts and plans for the following year.

First I would like to express gratitude from the entire board of governors to everyone for their active participation in the chapter so far this year in our technical meetings. One of our large goals at the beginning was to get the meeting participation back up to the pre-covid levels. There was a huge shift in how people interact over the last couple of years so we are glad that we were able to build on the momentum last year to getting people back out to the meetings and socializing within the local industry. The engagement amongst everyone is the most important thing to the health of this chapter.

The positive atmosphere that we've seen at the meetings has been exciting, there's been good feedback about the venue selections and trying to facilitate camaraderie with the social environments. With that being said we've also heard the feedback about prioritizing spaces where they are free from external distractions, so we are taking that into consideration as well.

Financially it has been difficult trying to ensure that we are operating in a sustainable manner. The costs to reserve space and coordinate meals has significantly gone up the past couple of years and we are feeling the pressure with trying to facilitate an open invite style event and being flexible for late registrations, walk ins, etc.,. We are going to continue to try and encourage people to register early so that we are able to limit excess food costs in our projections. We are pleased that so far this year we've been running these meetings at a virtually neutral operating cost.

As a token of our appreciation for our members the chapter is hosting a holiday lunch social in December. There is a small registration cost to offset the expense but this will be a great opportunity to come together in a relaxed setting and enjoy an end of year celebration. Please ensure to register and we look forward to seeing you there!

Jeff Armstrong, P.Eng.



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

Wednesday December 13th – Holiday Social Lunch

Monday January 15th – Chapter Technical Meeting

Monday February 19th – **Tentative Date** TBD

Monday March 18th – Chapter Technical Meeting

January 20-24 2024 – **ASHRAE Winter Conference Chicago**
To learn more about the 2024 ASHRAE Winter Conference and to register, visit www.ashrae.org/2024winter

***** 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/>



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ASHRAE RESEARCH

Hello ASHRAE London Members,

My name is Glenn Kernaghan and I am the Chapter Research Promotion Chair for this year. Our Research Promotion goal for this year is \$10,000 and look forward to reaching this goal through your continued support.

This year we will be recognizing donors at a RP Donor Recognition meeting by displaying individual and company donors prior to one of the technical presentations. Donors will also be recognized in the monthly newsletter and on the London Chapter website. To donate online please visit: <http://www.ashrae.com/donate>

Current Donors:

Glenn Kernaghan, Aaron Hampel, Tom Deslippe

Current Honour Roll Individual Donors:

Jeff Armstrong, Tom Pollard

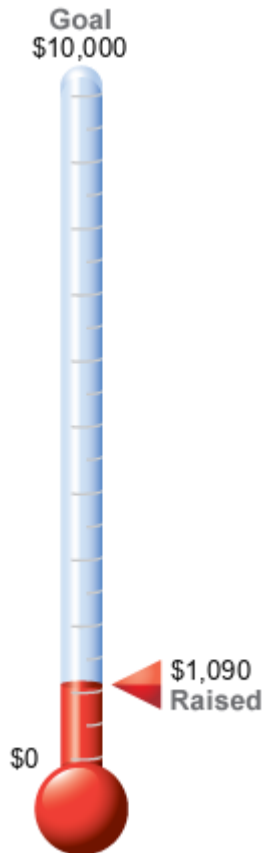
Current Honour Roll Corporate Donors:

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

If any questions, please contact:

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2024 ASHRAE Winter Conference to Focus on Decarbonization, Climate Change, AI and More

ATLANTA (October 26, 2023) – ASHRAE has unveiled the [preliminary technical program](#) for its highly anticipated [2024 ASHRAE Winter Conference](#), taking place January 20-24, 2024, in Chicago, IL. The technical program can be found online and in the [ASHRAE 365](#) app.

With a focus on addressing the pressing challenges of decarbonization and climate change, the conference will feature 11 technical tracks and over 100 sessions, offering attendees a wealth of knowledge and insights. Participants will have the opportunity to earn Professional Development Hours (PDHs) while exploring tracks such as Decarbonization and Climate Change, Clean Spaces and Mission Critical Facilities, Tall Buildings Design, Artificial Intelligence, Refrigeration and Refrigerants and more.

“The conference gives attendees an unparalleled opportunity to discover practical and timely solutions to some of the greatest challenges facing the built environment,” said Suzanne LeViseur, 2024 ASHRAE Winter Conference chair. “ASHRAE’s decarbonization focus is included within all of the technical tracks, so that we can provide effective strategies on a variety of topics through the conference sessions.”

Some examples of decarbonization related sessions include:

- *Decarbonization in Cold Chain Process* (Refrigeration and Refrigerants Track)
- *The Logical Way to Tap Into Decarbonization: Hydronic District Energy Systems* (Hydronic Systems Track)
- *Beneficial Electrification* (HVAC&R Systems and Equipment Track)
- *Grid-Interactive Buildings for a Decarbonized World* (Decarbonization and Climate Change Track)
-

Additional trending session include:

- *Laboratory Superhero: The Critical Plan to Save*
- *Pulling Back the Curtain on DEI*
- *Standard 241: You Have Questions; We Have Answers*
- *Artificial Intelligence for Buildings Performance Simulation*
- *Harmony in Action: ASHRAE Standards Paving the Way for Building Decarbonization*
- *What’s the Fuss About Zero Trust Cyber Security for BAS Control Systems*
- *Who’s Afraid of the Net Zero Wolf?*
-

During the Plenary session, Canadian climate change solutions expert Chris Turner will give a keynote presentation on the global shift towards clean energy. ASHRAE Executive Vice President and Secretary Jeff Littleton will provide Society updates in his report and the accomplishments of ASHRAE’s members will be recognized during the Honors and Awards ceremony. At the President’s Luncheon, 2023-24 ASHRAE President Ginger Scoggins will deliver her State of the Society address, marking progress toward initiatives outlined in the current Society theme, “*Challenge Accepted: Tackling the Climate Crisis.*” The [ASHRAE Learning Institute](#) will offer 18 courses during the conference. All courses are approved for continuing education credits toward maintaining P.E. licensure.

Four new courses are being offered:

- Starting the Path to Net-Zero Buildings Using ASHRAE 90.1-2022
- Understanding ASHRAE Standard 241 Control of Infectious Aerosols – Background, Overview, and Key Requirements
- V in HVAC – Health and Energy Improvements Using the Indoor Air Quality Procedures
- Is Your Building Ready? Applying ASHRAE Standard 241 Control of Infectious Aerosols – Facility Assessment, Planning, and Implementation

ASHRAE certification exams will also be administered during the week and business, committee and technical meetings will be conducted in the weeks leading up to, and during the conference.

The cost to attend the conference in-person is \$755 for ASHRAE members (\$1,010 for non-members, which includes an ASHRAE membership for one year). Early bird discounts are available for registrations completed prior to November 26.

Company packages are available for virtual registrants. Conference registration includes free entry to the co-sponsored [2024](#)



[AHR Expo](#), January 22-24, 2024. Please check the conference webpage for additional pricing. Members of the media may receive a [complimentary press registration](#) to attend the conference and AHR Expo, with a special invitation to join President Scoggins at a press coffee event.

Tickets for tours, select social events, and ASHRAE Learning Institute Courses can be purchased during the registration process.

To learn more about the 2024 ASHRAE Winter Conference and to register, visit ashrae.org/2024winter.

ASHRAE Releases Guide on the Role of Grid Interactivity in Decarbonization

ATLANTA (November 2, 2023) – ASHRAE has released a new guide focusing on the critical role of grid interactivity in the decarbonization process.

The [Grid-Interactive Buildings for Decarbonization: Design and Operation Resource Guide](#) is the second in a series of guides developed by the [ASHRAE Task Force For Building Decarbonization \(TFBD\)](#) and provides information on maximizing carbon reduction through buildings' interaction with the electric power grid.

"Grid-interactive buildings actively engage with the energy grid. They utilize smart technologies, renewable energy sources, and energy storage systems to optimize energy consumption and generation. This allows them to respond in real-time to grid signals, thereby reducing overall demand and GHG emissions," said ASHRAE TFBD chair Kent Peterson P.E., Presidential Fellow. "Integrating buildings with the electrical grid is a critical component in the decarbonization process. It's an emerging focus for building professionals, and ASHRAE is thrilled to provide new guidance as we collectively work towards a more sustainable, resilient, and energy-efficient built environment."

Decarbonizing the electric grid necessitates a fundamental shift towards a dynamic, two-way relationship between buildings and the grid. This approach enables buildings to respond flexibly to grid conditions, including time-varying carbon emissions rates. In recent years, the significance of this two-way communication has grown, driven by the integration of renewable energy sources, grid reliability concerns and the impact of extreme weather conditions. These factors have prompted utilities, grid operators and the building community to reassess the role buildings can play in supporting grid reliability and decarbonization by reshaping their energy consumption patterns.

The guide offers best practices, design considerations and operational guidelines to target the three primary value streams of grid integration:

1. **Reduced Carbon Emissions:** Learn how to make significant contributions to reducing carbon emissions through smart building-grid interaction.
2. **Cost Savings:** Discover strategies to optimize energy usage and save on operational costs.
3. **Resiliency:** Enhance your building's ability to withstand and adapt to changing grid conditions, ensuring uninterrupted operations.

While the guide primarily focuses on commercial and multifamily buildings, it also includes relevant aspects for the residential and industrial sectors. In addition to design guidance, the resource guide provides operational recommendations for both new and existing buildings, empowering them to optimize their available demand flexibility.

The [Grid-Interactive Buildings for Decarbonization: Design and Operation Resource Guide](#) can be purchased from the [ASHRAE Bookstore](#) or by contacting ASHRAE Customer Service by phone at 1-800-527-4723 (United States and Canada), 404-636-8400 (worldwide) or fax 678-539-2129.

The [ASHRAE Task Force For Building Decarbonization \(TFBD\) webpage](#) includes technical resources, information, videos and publications to expedite the adoption of climate change mitigation policies and reaffirms the Society's goals stated in the ASHRAE Vision 2020 report, approved by ASHRAE's board of directors, as well as the [ASHRAE Position Document on Building Decarbonization](#), to achieve net zero GHG emissions in operation for all new buildings by 2030.



ASHRAE will host the seminar “*Grid-Interactive Buildings for a Decarbonized World*” where the guide, as well as project case studies that helped in the guide’s development, will be presented. The seminar will take place at the [2024 ASHRAE Winter Conference](#), January 20-24, 2024 in Chicago. Conference registration is open now.

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>