

NEWSLETTER

JANUARY MEETING – RESEARCH & PROMOTION NIGHT

Distinguished Lecture Series – Jamie Smith

Presenting: Current Issues in Ontario's Electricity Market



Date: Tuesday, January 23rd, 2024

Location: Parks & Rec Gastropub

Topic: Current Issues in Ontario's Electricity Market

Speaker: Jamie Smith, PE

Time: Doors Open at 5:00 PM, Dinner at 6:00 PM, Speaker at 6:15 PM

Registration Deadline: Monday, January 22nd, 2023

Cost: \$55 for ASHRAE Windsor Members, \$65 for Non-Members, \$25 for Students

Registration Link: <https://ashraewindsor.simplesignup.ca/en/13657>

Or contact Syed Hassan at: 519-562-1881, E-mail: syed.hassan@enbridge.com

JANUARY MEETING SPEAKER BIOGRAPHY–

Jamie C. Smith, PE.



Jamie C. Smith, PE., fellow ASHRAE Windsor member, is the current ASHRAE Windsor President. Smith completed his Master's thesis on wind turbine structures at the University of Windsor. Smith is currently working for Ruby+Associates, Inc. in Michigan as a structural engineer.

Over the past twenty years, Ontario's electricity market has undergone significant changes to incorporate renewable energy into its electric grid. But changes to power purchase agreements and energy incentives add complexity to grid operators looking to balance variable energy production and climate initiatives with Ontario's expanding electricity needs.

This lecture will give an in-depth look at the current state of the province's electricity market and how it functions on a daily, weekly, and monthly basis. Contemporary issues affecting the price and availability of electricity will be discussed, with an eye on the potential future of the province's electricity grid.

ASHRAE Detroit Chapter Meeting
ASHRAE Detroit/ASPE-EMC Joint January 2024
Meeting

**Topic: NATURAL GAS SYSTEM DESIGN AND MICHIGAN
BOILER CODE CHANGES**

Date: Tuesday, January 16th, 2024

Cost: Free

Registration Link: <https://www.eventbrite.com/e/ashrae-detroitaspe-emc-joint-january-2024-meeting-tickets-781137572507>

Wind, Solar Energy Tripled in the U.S. Over the Past Decade



In 2022, the United States produced more than three times as much solar, wind and geothermal power than it did in 2013, with growth in all 50 states. That's according to Renewables on the Rise 2023, an online dashboard unveiled on October 11 by the Environment America Research & Policy Center and Frontier Group. The dashboard compiles

information from various sources to detail progress over the past decade in six areas—wind, solar, electric vehicles, electric vehicle charging, energy efficiency and battery storage—that will be key to transitioning to a future powered entirely by clean and renewable resources.

Study Aims to Clear the Air on the Effects of Air Quality in School Classrooms



Across Colorado, thousands of classroom air quality monitors and portable air cleaners were installed as part of a Centers for Disease Control and Prevention-funded study through the Colorado Department of Health and Environment and the University of Colorado Boulder. A follow-up study, also funded by

the CDC through the Colorado School of Public Health at the CU Anschutz Medical Campus and CU Boulder, aims to evaluate the impact of the portable air cleaner operations on the classroom environment.

With new CDC support of \$2.2M, a multidisciplinary team will answer questions that are vital to environmental health: is the quality of indoor air in classrooms associated with

student absenteeism and with the presence of viruses responsible for respiratory diseases, including SARS-CoV-2, influenza, and respiratory syncytial virus (RSV).

Sustainable Police HQ in Hong Kong



The new Kowloon East Regional Police Headquarters and Operational Base cum Ngau Tau Kok Divisional Police Station (KERHQ) was designed for high energy efficiency with reference to ASHRAE Standard 90.1. To achieve a green government building with emphasis on building energy efficiency and sustainability, many sustainable elements including energy efficiency features (EEFs) and renewable energy technologies (RETs) were adopted.

An analysis of energy data indicated that various EEFs and RETs adopted in KERHQ were effective for the purposes of energy conservation and reduction of building operation cost. The annual electricity consumption of KERHQ in 2021 was about 20% less than the estimated electricity consumption of the building simulation model.

ASHRAE Research Promotion

Please join us at our January meeting where James Smith will be delivering a special message regarding ASHRAE research promotion. We look forward to seeing you all there. ASHREA Research Promotion (RP) raises funds for six areas: research, education and ASHRAE learning institute, endowed research through ASHREA Foundation, YEA programs, ASHRAE scholarships, and a general/unrestricted fund. Research is the backbone of ASHRAE, if you would like to be part of our Chapter RP Donors please contact Amanda Forest at amanda.forest@jasel.ca or James Smith at james.smith@jasel.ca

MEETINGS AND EVENTS FROM 2023-2024:

Sept. 11, 2023	Golf Tournament	Membership Promotion
Oct. 17, 2023	DL: Hoy Bohanon	CTTC Night
Nov. 21, 2023	DL: Darryl Boyce	GAC Night
Dec. 12, 2023	Christmas Social	Research Promotion
Jan. 23, 2024	Jamie Smith	Research Promotion
Feb. 20, 2024	Tour: U of W Chiller	Refrigeration Night
Mar. 19, 2024	TBD	
Apr. 16, 2024	Past President's Night	Historian
May 21, 2024	Student Presentations	Student's Night

CHAPTER OFFICERS

<i>President:</i>	Jamie Smith	(519) 890-8684	James Smith, P.Eng.	(519) 737-5725
<i>President-Elect:</i>	Syed Hassan	(519) 562-1881	Dan Castellan, P.Eng.	(519) 253-3000 x 2164
<i>Treasurer:</i>	Dave Dufour	(519) 816-8974	Paul Greff	(519) 969-8025 x332
<i>Secretary:</i>	Ryan Bisnett			

BOARD OF GOVERNORS

CHAPTER COMMITTEES

<i>Research Promotion</i>	Amanda Forest, P.Eng. & James Smith, P.Eng.	(519) 984-5696 (519) 791-6291	<i>Government Affairs Committee</i>	Paul Greff	(519) 969-8025 x332
<i>Membership Promotion</i>	Nathan Cook, P.Eng. & Syed Hassan, P.Eng.	(519) 948-5000 x3223 (519)562-1881	<i>Student Activities Chair</i>	Jamie Smith	(519) 890-8684
<i>Chapter Technology Transfer Committee</i>	Dan Castellan, P. Eng.	(519) 253-3000 x 2164	<i>Student Branch Advisor- University of Windsor</i>	Dr. David Ting, P. Eng.	(519) 253-2871
<i>Historian</i>	Andy Hrutka	(519) 978-3903	<i>Newsletter Editor</i>	Kenten Puryk	(519) 737-5725 x227
<i>Refrigeration Chair</i>	Jon Palmer	(519) 256-7922	<i>Reception</i>		
<i>YEA Chair (Young Engineers in ASHRAE)</i>	Amanda Forest, P.Eng.	(519) 984-5696			

Advertising and Promotion

Actively participating in ASHRAE events is a great way to network and discuss potential projects and applications. Chapter meetings provide a captive audience and exposure to a group actively involved in our industry. Promotion opportunities are available during our chapter meetings, through the monthly newsletter and the new website.

TABLETOP DISPLAY

What better way to present your product, or share great ideas than to have a tabletop display at our monthly chapter meetings.

The fee to provide a Tabletop Display is \$250.00 (CAD). In addition to the presentation, the fee also includes the cost of the presenter's meal (1 meal) at the event. If interested in providing a Tabletop Display at a future meeting to promote product lines or technologies, please contact Jamie Smith or Syed Hassan to schedule.

BUSINESS CARD PROMOTION

The monthly newsletter is distributed to all of our ASHRAE Windsor members as well as several others that are involved in our industry. Inclusion of your business card in the newsletter would provide a great opportunity to introduce your name and company to those members who may not know you personally. Business cards may also be displayed on the new website.

The fee to include your business card in the newsletter is \$100.00 (CAD) for the year ending June 30, 2024. If interested in having your business card information included in the monthly newsletter, please contact Jamie Smith.

ASHRAE Chapter Involvement

It is a welcome sight to see Chapter members and non-member guests alike attend the monthly meetings and events. The time and effort put forth by all individuals to attend these events is greatly appreciated as it not only helps to strengthen and develop our Chapter as a whole, it also expands the knowledge and understanding of our industry.

As it takes time and effort to attend these meetings, it also takes a great deal of time, effort and dedication to organize and prepare for these events so that they are informative and enjoyable for everyone.

It is a goal of the Windsor Chapter to increase the number of participating members. Involvement in Chapter operations is not limited to the Board of Governor and Chapter Committee positions. All individuals interested in getting involved with ASHRAE at any level are encouraged to volunteer in any capacity they are willing and able to. Any efforts to help the Windsor Chapter continue to develop and improve would be greatly appreciated.

If anyone is interested in volunteering for general involvement or to assist with any specific task, please contact Jamie Smith.

windsorashrae141@gmail.com
Jamie Smith – (519) 890-8684

ASHRAE – Serving our Members, and more

ASHRAE Newsletters

There's a lot of newsletters available. Some are automatic when you become an ASHRAE Member, such as the following:

[ASHRAE Journal Newsletter](#)

[ASHRAE Insights](#)



You can also connect to other publications from the ASHRAE Website.

[HVAC&R Industry News](#)

[Government Affairs Updates](#)

[High Performing Buildings Newsletters \(HPB\)](#)

[Standards Action Newsletters](#)

Click the following link to review these newsletters, and others!

<https://www.ashrae.org/about/marketing-central/email-newsletters>

Training and Certifications

While ASHRAE has some great videos (accessed [here](#)), they also have Instructor Led Training and Certifications:

Training: <https://www.ashrae.org/professional-development/all-instructor-led-training>

[Health Impacts of Indoor Air Extraction, Ventilation and Filtration](#)

[Evaluating Your HVAC System's Readiness to Mitigate the Spread of SARS-CoV2](#)

(note – check the website for specific times)

Certifications: <https://www.ashrae.org/professional-development/ashrae-certification>

[Building Design Certifications](#)

[Building Performance Certifications](#)

[Building Operations Certifications](#)