

OCTOBER 16, 2024

SASKATOON CHAPTER NEWSLETTER



2023 Board of Governors

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Communications Chair - Cailin MacPherson

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Special Events - Reg Hoffmann

2024/2025 ASHRAE Saskatoon Meetings:

September: Building tour City of Saskatoon
McOrmond Drive Pump Station

October: Dinner Meeting - Distinguished
Lecturer Darryl Boyce P.Eng. "Designing for
Operational Excellence."

and Virtual Lunch Meeting - Designing for
Northern and Remote Communities

November: Lunch meeting - Alex Barnes
speaking on electrification with carbon
intense electrical grid

December: Christmas Social

January: TBD

February: TBD

March: Student Night

April: TBD

May: Annual Golf Tournament

October Meeting

Darryl Boyce

Designing for Operational Excellence

The design of new buildings and building retrofits is critical to the ongoing operation of the building to meet the indoor environment and energy/carbon emission targets. This presentation will focus on the critical issues for the design team as well as the effective transition to operations.



Darryl K. Boyce, P.Eng., Fellow/Life Member ASHRAE, was the ASHRAE President for the 2019-2020 term. Boyce has previously served on the board of directors as treasurer, vice president, Director and Regional Chair Region 2 and director-at-large.

Boyce is retired and was previously special advisor to the vice-president (Finance and Administration) – and the assistant vice president of facilities management and planning – at Carleton University in Ottawa, Ontario

Throughout his time spent with ASHRAE and in the HVAC industry, Boyce has worked on various projects to increase energy efficiency. His most recent projects include the SNOLAB project in Sudbury, Ontario, where he is responsible for the design and construction of a world class research facility for underground science.

Boyce is a 1982 graduate of the University of Alberta with a Bachelor of Science in Engineering and earned his Engineering Diploma from the British Columbia Institute of Technology in 1973.

When: 5:30 p.m., Tuesday October 22nd, 2024

Where: Venice House Traditional Grill - 906 Central Ave, Saskatoon

5:30 p.m. Cocktails / Place Order

6:00 p.m. Dinner

6:30 p.m. Meeting

7:00 p.m. Presentation

OCTOBER 2024

Hello from the BOG

Kyle Harasyn, President:

Thanks to those who joined us in touring the City of Saskatoon Pumping facility, and to the City for opening their doors. We had a great turn out!



Hello from the BOG

Alex Barnes, VP and Refrigeration Chair:

We are working with the Saskatchewan Energy Management Task Force to organize a presentation on low global warming potential (GWP) refrigerants. This will be a breakfast meeting in early **May, 2025**.

Devin Storle, CTTC Chair:

Thank you for joining us as we kicked off the new ASHRAE year!

On October 9th, Niss Feiner gave an engaging presentation on "Designing for Northern and Remote Communities" during our virtual presentation.

Looking ahead, we invite you to the APEGS Practicing the Professions Day on October 28th at the Delta Bessborough Hotel in Saskatoon, where the ASHRAE Saskatoon and Regina chapters will highlight our commitment to professional development and the benefits of membership. Also, stay tuned for details on our upcoming hybrid meeting in early November featuring Alex Barnes, who will discuss "The Economics of Decarbonization: An HVAC Systems Case Study."

Your participation in these events is important for our chapter's success, and we can't wait to see you at future meetings and tours. If you have any questions or need more information, please feel free to reach out!

Spencer Ollenberger, Government Affairs Chair:

The ASHRAE Society has a program for Government Jurisdictions & Institutions (such as Healthcare Authorities, Post-Secondary Institutions and School Districts) seeking to adopt ASHRAE standards into their codes, or tailor ASHRAE standards for specific regulatory & legislative needs, or sustainability goals.

Organizations may request a courtesy copy of ASHRAE standards or Guidelines to do this. Please reach out to us and we would be happy to get these for you free of charge!



Hello from the BOG

Jared Larson, Student Activities Chair:

The student activities are back into full swing. This past month we had great attendance at the City of Saskatoon Pumping station. The student branch also organized a heating plant tour on campus. (both shown below)



The Application for the travel grant and travel award are closed and we had applicants from USask.

The following upcoming dates are good to keep in mind.

- ASHRAE scholarships are available for students to apply. The deadline is **December 1, 2024**. If you have relatives, friends or acquaintances in Engineering, please encourage them to apply as there are really good odds of receiving a significant scholarship.
- 2025 ASHRAE HVAC&R Student Paper Competition: Entries are due **December 2, 2024**.
- The Student Design competition 2025 is open for registration, and closes **May the 4th, 2025**. Further to last months newsletter, we met with a group of students who may be interested 2025 Building EQ (Building Energy Quotient) Competition: Students will have the opportunity to evaluate and audit building energy consumption for buildings in operation to give the building a Building EQ score using the ASHRAE Building EQ online tools. As an update, we have worked with USask to select a couple potential sites for this, and have had a meeting with the student branch about the opportunity to submit an application.
- 2025 ASHRAE High School Student Competition is open. The High School Design Competition is for students 13-18 years of age and provides the opportunity to take the first steps in designing a building's HVAC system. This competition will expose high school students to the process that designers and engineers go through when designing building systems.
- Registration is open to the winter conference at the Hilton Orlando Feb 8-12, 2025. I have always found that the technical tours fill up fast, so be sure to register for these sooner than later. Also, for students there are special opportunities guided by ASHRAE volunteers to see the equipment expo before it is open to the public. These tours are focused on students and have selected booths included in the tour.

ASHRAE Society News & Events

NEW GUIDE— DOWNLOAD FOR FREE!

Decarbonizing Building Thermal Systems: A Guide for Applying Heat Pumps and Beyond

Developed in partnership with the Department of Energy through NREL, this guide focuses on how heat pumps should be applied and how they should be operated in commercial and multifamily buildings to support decarbonization. The guide provides guidance to design engineers on various heat pump-specific design elements including application and sizing in different climate zones, system configuration and refrigerants, electrical requirements, and control and operation strategies for space and hot water applications. The Heat Pump Application and Operation Guide will represent a critical resource to building designers and operators to support widespread adoption of this building decarbonization strategy. Stay tuned as the guide becomes expanded in 2025!

[DOWNLOAD HERE](#)

Microsoft Deal Would Reopen Three Mile Island Nuclear Plant for Exclusive Use

If approved by regulators, the Three Mile Island Nuclear Plant in Pennsylvania would reopen in 2028 and sell 100% of its power to Microsoft for the next 20 years to feed the tech giant's voracious AI driven appetite for power. The proposed deal is unprecedented in many ways; a shuttered nuclear plant has never reopened in the U.S., nor has a nuclear plant ever sold 100% of its power to one corporate customer. The plan is reliant on federal subsidies from the Inflation Reduction Act to be economically viable, and there are concerns that any costs incurred by the proposed reopening would ultimately be borne by ratepayers, driving up energy prices for families and businesses. You can read a full report on the proposed reopening [here](#).

