



Celebrating Sixty Years

1962 – 2022

October 2022
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Chapter of ASHRAE

Pile of Bones

President's Message

By: Chris Klatt

Gobble-Gobble to all our ASHRAE Regina Chapter members. I hope everyone has a great Thanksgiving long-weekend planned with family and friends!

Thank you to all who attended September's Technical Seminar on "Review of Changes to SMACNA's HVAC Duct Construction Standard 4th Edition" and Chapter Meeting on Fire/Smoke Dampers. Billy (William) Farrell did an amazing presentation and felt very welcomed by our Chapter. Copies of the seminar will be sent out to all who attended, and the chapter meeting presentation will be sent out to all Chapter members.

This month we continue our in-person meetings as we welcome ASHRAE Distinguished Lecturer Erich Binder. Please let us know if you will be attending to allow us to plan the meeting accordingly.

Chapter invoices will be reaching your inbox shortly. Please remember to pay your dues as this money is used to host our Chapter Meetings.

Currently the ASHRAE International Building Decarbonization Conference is being held October 5th – 7th in Athens Greece. Our very own Murdoch MacPherson will be presenting a Paper "A Just Transition for Renovations". We are excited for his opportunity and can't wait to hear about this event at our November meeting. For more information on this conference, please visit the ASHRAE Society website at

<https://www.ashrae.org/conferences/topical-conferences/international-building-decarbonization-2022-conference>

ASHRAE REGINA CHAPTER MEETING

October 12th, 2022

**Topic: Net Zero
Challenges in Cold
Climates**

Presenter: Erich Binder

**Meeting Location: Four
Points by Sheraton Hotel,
2415 Dewdney Ave**

Time: 5:00 PM

With the holiday season fast approaching, the Annual Christmas party has been booked for December 7th down in the Games Room at Birmingham's Vodka and Ale House (3701 Rochdale Blvd). Keep an eye out for upcoming invitations in your inbox and we hope to see everyone there!

The ASHRAE Winter Conference and AHR Expo is coming up soon February 4-8, 2023 in Atlanta Georgia. Registration is still open. For more information about the conference, check out the ASHRAE Society website at <https://www.ashrae.org/conferences/2023-winter-conference-atlanta>

The Regina Chapter will be commemorating our 60th anniversary on March 22, 2023. We are planning a fun event to celebrate, so stay tuned for more information. Please forward this information onto any Past-Presidents, as we would like to have as many as we can for this event.

If you have any questions, comments, or concerns about this upcoming ASHRAE year, please do not hesitate to reach out and contact myself or anyone else on the board.

Thank you,

Chris Klatt, Regina ASHRAE Chapter President

Committee Chair Reports

Vice President & Programs Chair

By: Tyler Gamble

Hi All!

The board is excited to have Erich Binder join us on October 12th for his discussion on **Net Zero Challenges in Cold Climates**. This topic will play into our November meeting which will be a panel discussion on Decarbonization. Erich's bio is below:

Erich Binder is an independent engineering consultant with an extensive experience in the sustainable design of Commercial, Institutional, Industrial, & Cold Climate, Heating Ventilation & Air Conditioning (HVAC), Plumbing, Fire Suppression & Specialty Mechanical Systems engineering.

Erich has extensive experience engineering mechanical systems for a variety of cold climate applications.

Erich Binder has engineered HVAC systems for various support facilities for various Industrial projects including Control Buildings, E-House, VFD and Data Storage Facilities, Maintenance, Storage and Emergency Response Facilities. He has extensive experience in Power Generation facilities, including Coal, Natural Gas, Waste Heat, Waste Wood, Run of the River and Combined Heat Power systems. Erich specializes in Hazardous spaces and environments, Laboratory, Sampling Stations, Hazardous Environment, Dust, Mist and Fume collection systems, Industrial Hygiene facilities.

Erich Binder has worked as a Risk Analyst & Loss Prevention Consultant providing input into corporate insurance placement, managed Boiler Machinery, Construction Project Losses, Claims and Loss Prevention issues. He has provided support to Insurance Brokers and Insurance companies representatives to review and investigate the cause of failures relating to Power, Natural gas Mid-Stream, Compression, Metering and Pipeline machinery and fire explosion related failures.

Erich Coordinated Risk and Loss Prevention audits and inspections for all corporate facilities.

A key member of the corporate Emergency Response Team and key leaders in Responsible Care, ISO9000, merger and acquisition programs.

Erich Binder is:

- Past Society Director at Large - ASHRAE
- Past Society Director and Regional Chair - ASHRAE Region XI
- Chairman - ASHRAE Cold Climate Design Conference
- Co-Author - ASHRAE Cold Climate Building Design Guide
- Co-Author - ASHRAE Hazardous Spaces Design Guide.(Publication Pending)
- Author Industrial HVAC Design Guide – Basics of industrial HVAC - 101
- Past Coordinator – ASHRAE Distinguished Lecturer Program
- Past Chairman - HVAC Advisory Committee (SAIT)
- Co-developer - 2 month HVAC Certificate Program (SAIT)
- Instructor - Part Time HVAC related topics (SAIT)
- Board EXO - Young Engineers in ASHRAE Committee
- Board EXO - ASHRAE Student Activities Committee
- Board EXO - ASHRAE Members Council Vice Chairman ASHRAE Development Committee
- Chairman ASHRAE Audit Committee

- Past Chairman: ASHRAE TC 9.2 Industrial Ventilation & Air Conditioning
- Chairman: ASHRAE TRG9 – CCBDG – Cold Climate Building Design Guide.
- Member: ASHRAE MTG-ACR – Air Change Rate
- Chairman - Chelonian Loss Prevention Engineering Seminars

Membership Promotion

By: Gage Wendel

Please welcome our two newest members to the ASHRAE Regina Chapter, Dwayne Kulcsar and Ayo Abiola.

Dwayne is in Commercial Sales at Ecco Supply, he has a long history in the oil and gas industry in Alberta. He has worked in marketing and procurement for engineering firms, and as a buyer at one of the largest oil and gas companies in the province. Dwayne has been involved in HVAC since he was young, his father owns the longest running furnace cleaning company in the country. Dwayne also has more than 8 years of combined experience as an HVAC technician/systems specialist, specializing in wiring, startup, commissioning, and service of HVAC equipment.

Ayo is the Engineering Manager for Energy and Sustainability Services at Black and McDonald. Ayo has been in the HVAC/R industry consistently since 2016 and off and on since 2009 after he got his master's. Ayo has been a research scientist, systems designer, application engineer, and projects manager. He writes regularly on Decarbonization of Buildings for the Construction Economist, a Canadian quarterly magazine. Ayo is joining us from the London, Ontario chapter where he was a corresponding member for various technical committees, including TC7.8 (Owning and Operating Costs), TC7.6 (Whole Building & Building Systems Energy), TC2.5 (Environment and Climate Change).

Both of these gentlemen are terrific additions to our membership.

Special Events

By: Renee Seitz

Hi everyone!

I have dug up a history article about Lennox. It is not Regina/Saskatchewan history, but thought we could add it into the newsletter. See the next page.

The Lennox History of Innovation Story

At Lennox, we've always believed that the key to a healthy, comfortable home starts with the air in which we live and breathe. Our dedication to the pursuit of perfect air has been a driving force behind each and every innovation for more than 127 years.

The company's history dates back to 1895 when Dave Lennox, a machine shop owner in Marshalltown, Iowa, helped build the first riveted steel furnace, which he marketed under the Torrid Zone brand name. This patented design made old cast iron furnaces obsolete, and more importantly, it made having a furnace in your home safer.

After years of sales growth and success, Dave Lennox decided to sell the business to D.W. Norris and investors in 1904, who incorporated the operation as Lennox Furnace Company. In the first year, 600 furnaces were sold directly to installation contractors, and the Lennox Direct-to-Dealer distribution model, still used today, was born.

In 1935 Lennox took that safer heat and made it a touch more perfect by adding blowers to create the first forced warm air furnace that circulated air. So you could be comfortable anywhere in your home. And in 1952, Lennox made balmy summer air a little more perfect by introducing its first Aire-Flow branded central air conditioning unit.

The following decades saw more innovations, like the Duracurve heat exchanger, which reduced the noise of the furnace. And the revolutionary Pulse combustion gas furnace that delivered efficiency levels never reached before. Then category-leading quietest air conditioners, followed by even more efficient units, and building toward the first 20+ SEER air conditioner in 2005.

This year, Lennox added the Dave Lennox *Signature*[®] Collection SL25XPV heat pump to the Ultimate Comfort System, thereby perfecting “the most advanced, most efficient, most capable heating and air conditioning system ever created”. But we aren't stopping there. Recently, Lennox was recognized as the first HVAC company to meet the Department of Energy's challenge to build highly efficient cold climate heat pumps – a year ahead of schedule.

Lennox is always looking to the future, so our pursuit of perfect air continues.

Stay tuned for more information on upcoming events.

2021 - 2022 ASHRAE Regina Chapter Board of Governors

President

Chris Klatt
Brandt Developments Ltd.
cklatt@brandt.ca

Treasurer

Emily Albano
MacPherson Engineering Inc.
e.albano@mac-eng.ca

Past President & Research Promotion

Carla Drager
Johnson Controls Canada LP
carla.drager@jci.com

Special Events

Renee Seitz
Lennox Industries Ltd.
renee.seitz@lennoxind.com

Vice President & Programs Chair

Tyler Gamble
Canature Water Group
tyler.gamble@canaturewg.com

Social Media Webmaster

Forrest Smith
HVAC Sales
forrest@skhvac.com

Membership Promotion

Gage Wendel
R.J. England Consulting
gage@rjengland.com

Government Affairs Committee Chair

Patrich Costa-Muresan
patrich.costa-muresan
@gov.sk.ca

Secretary

Taylor Armstrong
Canature Water Group
taylor.armstrong@canaturewg.com

YEA (Young Engineers in ASHRAE) Chair

Regan Semenchuk
HDA Engineering Ltd.
rsemenchuck@hdaeng.com

Student Branch Advisor

Jared Larson
MacPherson Engineering Inc.
j.larson@mac-eng.ca

Diversity in ASHRAE Chair

Loyd Espanol
HDA Engineering Ltd.
lespanol@hdaeng.com

Student Activities

Dave Samayoa
MacPherson Engineering Inc.
davesamayoa@gmail.com

Contact us at:

ashraeregina@gmail.com

Visit us at:

<http://regina.ashraechapters.org/>

Newsletter

Travis Blampied
R.J. England Consulting
travis@rjengland.com

Historian

Pierre Andre JL Ranger
Johnson Controls Canada LP
pierre-andre.ranger@jci.com