



October 2018

Pile of Bones

Published by the Regina Chapter of ASHRAE

President's Message

By Natasha Skea

Fall has arrived and ASHRAE Regina is ready. Join us this month at The Bushwakker's for some good company and heartwarming beverages, with a tour of Souls Harbour to follow. This month I'll be recognizing the new board members and the honours and awards that our past board members earned in 2016-2017. These awards were announced and presented at the CRC held in Victoria in May 2018.

2016-2017 Awards

Jared Larson (President) – PAOE Honor Roll, Special Citation

- Regional Technology Award for Residential

Dan Brothers (Research Promotion) –

Certificate, Full Chevron Award, Size Winner Total \$ Raised, Runner Up \$ per Member, Total PAOE Points

Jason Danyliw (Membership Promotion) – Red Ribbon for Membership

Brad Huber – Certificate of Appreciation for term served as President in 2017-2018

If you see any of these people please congratulate them on a job well done.

See you next week,

Natasha

**Wednesday, October 12
2018**

Chapter Meeting
Meeting Location: Buskwakkers
2206 Dewdney Ave

5:00 – Drinks

5:30 – Dinner

6:00 – Chapter Meeting

7:30 – Souls Harbour Tour
Begins

Upcoming Events

November 7th – Improving Hydronic
System Heat Transfer Lunch Chapter
Meeting



2019 ASHRAE WINTER CONFERENCE
JANUARY 12–16 // **AHR EXPO** JANUARY 14–16

Committee Chair Reports

President Elect

By Pierre Ranger

I hope everyone is feeling thankful this week as Thanksgiving approaches. I know I am thankful for the large turnout we had at last month's meeting. We had over 50 participants, which is amazing.

This month, our meeting will be back at Bushwakker's for a pizza and beer dinner meeting! We also have a great tour and presentation coming up this month. We will be hearing about and touring the new Souls Harbour Rescue Mission facility. This is a new building built using Passive House design practices where high levels of insulation are used to reduce the amount of heat energy that needs to be added or removed from the building. The mechanical designer and a Passive House expert from Saskatoon, Michael Nemeth, will be doing a short discussion on the topic before we head out to the site to tour the facility. In the spirit of Thanksgiving, we ask that you consider making a donation to Souls Harbour Rescue Mission, please consider looking at the ways

that you can help at the following link. <https://www.shrmsk.com/get-involved/donate/ways-to-donate/> Souls Harbour does a lot to help those in our community who need it the most and we would like to recognize the impact they make in our community.

For November, our meeting topic will be on Reducing Surface Tension to Improve Heat Transfer. This will be a lunch meeting with an interesting presentation about using additives in hydronic systems to reduce the liquid surface tension. ”

Thanks!

2017 National Energy Code

By Bob England (Chapter Historian)

The Province is continuing to move forward with their plans to implement the 2017 National Energy Code of Canada for Buildings (NECCB) and 9.36 of the 2015 National Building Code for Canada (NBCC) come January 1, 2019.

There was a meeting of stakeholders on September 19, the purpose of which was to assist the Province and the Authorities Having Jurisdictions (AHJs) to implement a consistent and effective approach to the new code.

This meeting was the 5th or 6th such meeting and seems to be working well in terms of assisting the implementation process in the province.

Again, as with the previous month’s meeting, the majority of the time was taken up with discussions on Part 9.36 of the National Building Code of Canada (NBCC). Generally, it looks like Part 9 buildings will need to conform as follows:

- NBCC 9.36.2 to NBCC 9.36.4 (prescriptive), NBCC 9.36.5 (performance), or NECCB can apply to the following Part 9 buildings:
 - Houses with or without a secondary suite.
 - Buildings containing only dwelling units with common spaces less than 20% of the building total floor area.



- NBCC 9.36.2 to NBCC 9.36.4 (prescriptive), or NECCB can apply to the following Part 9 buildings:
 - Group C occupancies.
 - Buildings containing Group D, E, or F3 occupancies whose combined floor area is less than 300 m² (excluding parking garages that serve residential occupancies).
 - Buildings with a mix of Group C and Group D, E, or F3 occupancies where the non-residential portions combined total floor area is less than 300 m² (excluding parking garages that serve residential occupancies).
- NECCB can apply to the following Part 9 buildings:
 - Buildings containing Group D, E, or f3 occupancies whose combined floor area is greater than 300 m².
 - Buildings containing Group F2 occupancies of any size.

The above in general applies to new buildings, some existing buildings, and some renovations. It likely will not apply to farm buildings.

The NECCB will apply to almost all other buildings types whether new or an addition, except for most farm buildings. Renovations will typically not be covered by NECCB unless the renovations are major, or the first renovation in a shell space.

If that doesn't make your head hurt, there's more. Much more.

As mentioned last month, there will be forms required to be filled out and submitted with the permit application. These forms will vary depending on if the application is for a 9.36 building or a NECCB building, and will require information on building construction, mechanical systems and equipment, and electrical systems. Forms will also vary on whether it is a prescriptive path, equivalence path, or performance path. These forms will allow the AHJs to more easily and quickly review code compliance.

The Building Standards and Licensing Branch of the Ministry of Government Relations is putting together a "Building Standards Guide" on the implementation of Energy Codes which will be a helpful introduction for the industry. The Province, as well as other organizations will be putting on courses to educate the construction industry in the application and implementation of the energy codes.

Saskatchewan has the advantage of learning from the implementation of energy codes in other provinces as we are one of the last provinces to do so. This will ease the transition into the new codes for all involved.

As mentioned last month, I would encourage all ASHRAE members to become familiar with the 2017 National Energy Code of Canada for Buildings in the next few months. It will affect owners, designers, contractors, suppliers, and manufacturers.

I will continue keep the Chapter up to date with information as the implementation strategies coming out of the Stakeholder's Discussion on Energy Program Development Group evolve.

Student Activities

By Cailin MacPherson

I would like to formally introduce the University of Regina ASHRAE Student Branch for this school year to our chapter. They will be occasionally joining us at chapter meetings, don't be afraid to say hello!

President- Brett Banadyga



I am a 4th year Industrial Systems Engineering student and my most recent work experience was with the Ministry of Central Services where I worked in an energy management and buildings role. I was responsible for completing energy audits and delivering small HVAC upgrade projects. I became involved with ASHRAE last year as a student member and I have taken on the role of President of the Student Branch this year and have been leading the start-up and planning of our first events. I am very much looking forward to what we have planned for the student branch this year and I believe we will be able to reach a wide variety of engineering students.

Vice President- Riley Garchinski



I am a 3rd year Environmental Systems Engineering student who has worked in sustainable building management, LEED and BOMA certifications, and local solar power projects using advanced surveying and design technologies. I was introduced to ASHRAE while working for the Ministry of Central Services, where we worked closely with industry experts who are heavily involved in ASHRAE locally and globally. As the Vice President of the ASHRAE student branch I am looking forward to introducing new people to ASHRAE, and to promote sustainability in the built environment to the next generation of engineers.

Treasurer- Matt Hall



I am a 4th year Petroleum Systems Engineering student at the University of Regina and have been heavily involved with student politics since the beginning of my education. My recent work experience includes a variety of project management roles including scheduling, estimating, cost control and value tracking. I am very excited to see the ASHRAE student branch take off in recent months and look forward to what this talented group of students can accomplish.

Secretary- Zach Martin



My name is Zach Martin and I am in my final year of Industrial Systems Engineering. My previous work experience was with Mosaic for two coop work terms and more recently with Yara for two work terms. I joined ASHRAE this year as the secretary for the student branch and am looking forward to recruiting new student members to build the group.

The Student Branch has some ambitious goals for our first year of operation. We have two events planned for October including our “What is ASHRAE?” event and our tour of the University of Regina steam tunnels. Other events that we have planned for the year are: AutoCAD Training, Resume Writing Session, Industry Networking Social, and Energy Modeling Training. We also hope to partner with YEA to host a few events. We hope that having a Student Branch within the University will lead to more exposure for students to ASHRAE and HVAC related industries in Regina. Please see our attached flyer about sponsoring the ASHRAE University of Regina student branch and don’t hesitate to contact us if you have any questions.

Feel free to contact us at ashraeuofr@gmail.com.

Government Affairs Committee (GAC)

By Rob Craddock

The ASHRAE Regina chapter is planning a Day on the Hill at the Provincial Legislature. We are hoping to schedule this event during the fall session of sitting of the legislature. I will be looking for a few volunteers to come with us to meet with government officials and talk about issues that are concerning to ASHRAE. I have asked for material from the Government Affairs office in Washington so that we will be able to distribute information about ASHRAE as well as the standards that ASHRAE creates to all of the government officials that we are able to meet with.

If you have an interest in being involved please let me know.

YEA (Young Engineers in ASHRAE)

By Carla Drager

Our YEA Go Kart event at the end of September was, unfortunately, cancelled due to the weather. Thank you to everyone who signed up and donated to this event. I am working on another event for us in November so please keep an eye out for the poster.

As previously mentioned, please consider becoming a sponsor. In order for these events to take place, we count on our fellow Engineers, wholesalers, suppliers, and contractors within the HVAC&R community to invest in our future leaders. If you are interested in sponsoring one of our events, please feel free to contact me by email (carla.drager@allrite.ca) or phone (306-522-0050) for more information.

2018-2019 Meetings and Events

November 7th, 2018

Topic: Improving Hydronic System Heat
Transfer through Chemical Treatment

Lunch Meeting

Speaker: PACE Chemicals

Location: TBD

January 12-16, 2019

ASHRAE Winter Conference

Atlanta, Georgia

June 22-26, 2019

ASHRAE Annual Meeting

Kansas City, Missouri

Other Chapter Meetings will be
announced in the following newsletter

2018-2019 ASHRAE Regina Chapter Board of Governors

President

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Golden, Colorado

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Dennis Knight
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Representative
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Bonneville, Oregon

GAC RVC
Jeff Hurd
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Chapter Technology Transfer RVC

Heric Holmes
Edmonton, Alberta

Regional Historian
Doug LeCren
Anchorage, Alaska

Student Activities RVC

Jared Larson
Regina, Saskatchewan

YEA RVC
Baki Cvijetinovic
Vancouver, British Columbia

Nominating Committee Member

Rob Craddock
Regina, Saskatchewan

Membership Promotion RVC
Greg Fluter
Regina, Saskatchewan

Nominating Committee Alternate

Jeff Hurd
Anchorage, Alaska

Treasurer

Tom Jacknisky
Edmonton, Alberta



University of Regina
Student Branch

Dear ASHRAE Regina Members,

My name is Brett Banadyga and I am a 4th year Industrial Systems Engineering Student at the University of Regina. I am also the President of the ASHRAE University of Regina Student Branch for the 2018-19 academic year. As you may have heard, at the end of the past academic year the Student Branch was chartered. This year is our first year of operation and we are very excited about the events that we have planned. We are confident that the student branch will educate students about ASHRAE and the careers available in mechanical engineering, which will strengthen the HVAC industry in Regina. We have some ambitious goals for our first year and are looking for companies that have an interest in supporting the Student Branch through event sponsorship.

The event sponsorship opportunities are broken down into one (1) large networking event and several smaller events.

We hope that you will consider one of the sponsorship opportunities presented in this package to help us with our first year of operation and to quickly make the ASHRAE University of Regina Student Branch a sustainable venture. Please let me know if you have any questions or would like to meet with the student branch executive team to discuss further.

Thank you for your consideration!

Brett Banadyga
President
ASHRAE University of Regina Student Branch

306-570-9785



ashraeuofr@gmail.com





University of Regina
Student Branch

Major Event Sponsorship Opportunities

Industry Networking Event- Students are provided with an opportunity to network with Senior and Junior engineers in a professional environment.

Target date: January 2019

Patron Event Sponsor \$1000 (one spot available)

- Recognized as the Patron Sponsor during the event and on all posters and media associated with the event.
- Company logo displayed prominently during event and on all posters and media associated with the event.
- Speaking opportunity during event.

Event Contributor \$500

- Acknowledged as a Contributor during the event and on all posters and media associated with the event.
- Company logo displayed during event and on all posters and media associated with the event.

306-570-9785



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University of Regina
Student Branch

Other Event Sponsorship Opportunities

What is ASHRAE Event- An introduction to what ASHRAE is, the work they do, and how students can benefit from being involved. Target Date: October 1st, 2018

University of Regina Building Tour- An industry led mechanical systems building tour of the U of R steam plant, tunnels and innovative HVAC technology. Target Date: October 2018

AutoCAD Training Event- A one or two day tutorial on an introduction to AutoCAD from a Buildings perspective. Target Date: November 2018

Energy Modeling Training Event- An introduction to the world of energy modeling and how it is used to assist designers in the HVAC industry. Target Date: January 2019

Resume Writing Workshop- An opportunity for students to have their resumes reviewed by professionals within the industry. Target Date: February 2019

Event Sponsor \$250 (one per event)

- Recognized as the Event Sponsor during the event and on all posters and media associated with the event.
- Company logo displayed during event and on all posters and media associated with the event.
- Speaking opportunity can be arranged upon request.

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