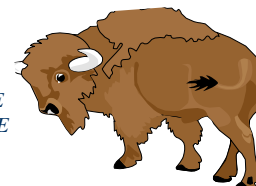




BUFFALO TALES

Newsletter of the Manitoba Chapter

The Manitoba Chapter of the American Society of Heating, Refrigerating and Air Conditioning Engineers was chartered in September 1935. It is the second oldest ASHRAE Chapter in Canada. ASHRAE Manitoba is part of ASHRAE Region XI and covers ASHRAE members in Manitoba and Northwest Ontario.



Shaping Tomorrow's Built Environment Today

ASHRAE Supper Meeting

Victoria Inn, 1808 Wellington Avenue

Thursday October 11, 2012

Student Night

Integrating Renewable Energy Systems into Buildings

5:00 pm - Cocktails

6:00 pm - Dinner

7:00 pm – ASHRAE Distinguished Lecturer Sheila Hayter

This presentation introduces technical opportunities, means, and methods for incorporating renewable energy (RE) technologies into building designs and operations. Ms Hayter will give an overview of RE resources and available technologies used successfully to offset building electrical and thermal energy loads. She will: address methods for applying these technologies and the role of building energy efficiency in successful RE projects; discuss connecting RE systems to existing electrical grids and offer tips for implementing successful RE projects; and finally, summarize ASHRAE activities related to and/or in support of RE applications in buildings.

Sheila Hayter is Project Assessment and Development Section Manager in the Integrated Applications Center of the U.S. Department of Energy's (DOE) National Renewable Energy Laboratory (NREL) in Golden, Colorado where she leads a team of technical and policy experts who support federal, state, and local entities on energy efficiency (EE) and renewable energy topics with the goal to make significant reductions in non-renewable energy consumption through energy efficiency and increased use of RE technologies.

Sheila served on the ASHRAE Board of Directors as a vice president (2009 – 2011) and also as a Director at Large (2005 – 2008). She chaired the Publications and Education Council, has served on Technology Council, Finance Committee, Planning Committee Society Rules Committee, Research Activities Committee (chair 2004 – 2005), Continuing Education Committee (chair 1998 – 1999), and ASHRAE Program Committee.

Sheila received a 2007 NREL Staff Award for outstanding performance, 2007 Professional Progress Award from Kansas State University's College of Engineering, and an ASHRAE Technology Award in 1999. She received the ASHRAE Distinguished Service Award in 2001 and the Exceptional Service Award in 2011 and was named an ASHRAE Fellow in 2008.

CONFIRM YOUR ATTENDANCE by the end of the business day October 8, 2012 by emailing Sam Frenette at ashrae.mb@gmail.com. Indicate any special meal requirements (vegetarian, allergies, etc.)

ASHRAE dinner meetings are open to all. Non member cost is \$45. The cost for a first time guests accompanied by an ASHRAE Manitoba member is \$25. Pre-registration is required. To pre-register or to get information on the cost of ASHRAE events, e-mail ashrae.mb@gmail.com or visit www.ashraemanitoba.ca.

President's Message - Corey Nation, P. Eng

Hello and welcome to another new ASHRAE year! I'm sure you've guessed by now that I am this year's president. From the looks of things it should be a great year. I'm lucky enough to have a great Board to help me and we already have some very interesting speakers lined up for this year.

We are starting the year in fine form. Our first speaker is what we call a distinguished lecturer. These speakers are always entertaining and enlightening. The first meeting is also Students night. So we should have a great mix of new potential members amongst our regular attendees. Be sure to welcome them in fine ASHRAE form, with a smile and maybe a beer, just saying!



We are keeping a lunch meeting in the mix for November for those of you who prefer to learn at lunch and might not be available for our dinner meetings. Better Buildings Conference will return with our local chapter as a partner. We also have some networking opportunities we will disclose at a later date in the works. I'll keep you posted on that and a few other surprises!

One thing I wanted to make a point of this year is to recognize where we came from. Our chapter is an old chapter in the ASHRAE world. I think it's time to once again spotlight those people and companies who have helped us along the way. We will have a few history nights with a write up in the Buffalo Tales to tell you all about them.

With the Jets season on hold I can't think of a better replacement than joining us for our dinner meetings. Your friends will be there waiting to share stories from the summer and share a drink, good conversation and learn a little on the way. I hope to see all of you there!

Your President,
Corey Nation, P. Eng.

Coming Events

ASHRAE / NIST Refrigerants Conference, Oct. 29–30, 2012 Gaithersburg, Maryland

This conference provides an opportunity for participants to learn about the latest information on alternative refrigerants, likely time schedules, transition requirements, environmental effects of refrigerants, new refrigerant performance considerations and what will be required to phase-out the use of high GWP refrigerants with alternatives and other technologies. This is the fourth jointly sponsored conference between ASHRAE and the National Institute of Standards and Technology (NIST) and presents peer-reviewed papers. www.ashrae.org/Refrigerants2012

October 30 - ASHRAE Manitoba Board of Governors meeting will be held at 8:00 am at 101 Elan Blvd (EH Price Winnipeg Sales Office). Other BOG meetings are tentatively scheduled November 27, January 8 2013, January 29, February 26, March 26 and April 30.

7th INTERNATIONAL COLD CLIMATE HVAC CONFERENCE, Nov. 12–14, 2012 Calgary, Alberta, Canada

The principal objective of Cold Climate HVAC 2012 is to provide key elements of a strategy by which scientists, designers, engineers, manufacturers and other decision makers in cold climate regions can achieve good indoor environmental quality (IEQ), with a minimum use of resources and energy. Some 60 peer-reviewed papers presented by diverse, international authors showcase world-wide perspectives and practices in cold climate design. www.ashrae.org/ColdClimate

November 15 – ASHRAE Manitoba *Lunch* with Brian Bergen, City of Winnipeg Chief Building Inspector at the *Norwood Hotel*

December 13 – ASHRAE Manitoba Cribbage Tournament

January 17 - University of Manitoba Physical Plant tour and Student Night. Other ASHRAE supper meetings in the new year are February 14, March 14 and April 11.

ASHRAE Winter Conference - January 26-30, Dallas, Texas

Deep in the heart of Texas, where the stars at night are big and bright, ASHRAE members will convene in Dallas to corral energy use and blaze the way in high performing building design. Join the Society as it returns to Dallas for the 2013 Winter Conference, Jan. 26-30, Dallas, Texas. The ASHRAE co-sponsored AHR Expo® is also held in conjunction with the Conference, Jan. 38-30, Dallas Convention Center. This is your opportunity to:

- Network and reconnect with other members and old friends
- Build on your education and earn professional credits at ALI courses
- Update your library with the most recent publications from the ASHRAE Bookstore
- Stay informed on the latest advancements in the industry, while earning PDHs, during technical sessions
- Examine new and innovative technology at the AHR Expo
- Relax and mingle at social events and general tours

Registration for the conference is open. Information on the Conference - www.ashrae.org/dallas

Leadership U - Shaping the Future of the Society

Have you ever wondered what ASHRAE Officers do at the ASHRAE Winter & Annual Conferences? Through Leadership U, offered by Young Engineers in ASHRAE (YEA), up to four YEA members are selected for each conference, matched up with Society Officers and participate in all of their events and board meetings, including social activities. Leadership U not only allows you to experience a conference like an Officer, but it is also a great opportunity to network and form connections with those active in ASHRAE.

For those selected, the costs of attending the 2013 Winter Conference in Dallas (transportation, lodging and registration) will be covered by ASHRAE. In addition, those selected will document their experiences and share them with the YEA Committee, their chapter and their region.

Criteria: Applicants must be ASHRAE members, 35 years or younger as of December 31, 2012.

Deadline: Applications must be received by Monday, October 15, 2012. Applications are posted at www.ashrae.org/yea **If you have any questions about Leadership U or the application process, please contact Rhiannon Loomis at rloomis@ashrae.org or 678-539-1178.**

ASHRAE Manitoba Government Affairs Committee - October 2012

National Energy Code for Buildings 2011 - Have you heard about it or read it?

The *National Energy Code of Canada for Buildings 2011* (NECB) provides minimum requirements for the design and construction of energy-efficient buildings and covers the building envelope, systems and equipment for heating, ventilating and air-conditioning, service water heating, lighting, and the provision of electrical power systems and motors. It applies to new buildings, as well as to substantial renovations in existing ones. It does not apply to farm buildings or to housing and smaller buildings covered in Part 9 of the *National Building Code of Canada* (NBC). The NECB 2011 is also now written as an “objective based” code, similar to the other federal codes since 2005. This new code is the product of a review and revision of the Model National Energy Code for Buildings (MNECB) 1997, which took place from 2007 to 2011.

For more information on the new federal model code, please visit:

http://www.nationalcodes.nrc.gc.ca/eng/presentations/2011_necb_presentations.shtml

To purchase the new code, please visit:

http://www.nrc-cnrc.gc.ca/eng/publications/codes_centre/2011_national_energy_code_buildings.html

Provincial efforts to adopt the National Energy Code for Buildings 2011

An initial meeting was held on August 23rd, 2012, whereby the Sub-committee on Energy and Water Efficiency was re-established. The mandate of the committee is to review the NECB 2011, and to provide recommendations to the Building Standards Board of Manitoba for adoption of this code, with or without Manitoba amendments. This effort is being managed through the Minister of Family Services and Labour and the Office of the Fire Commissioner. The Fire Commissioner stated that the provincial government is committed to adopting the NECB 2011 with as few amendments as possible. Currently, there aren't any minimum energy efficiency requirements for privately built commercial buildings in Manitoba. The sub-committee is hoping to complete their review of the NECB 2011 by early 2013.

Dieter Bartel is a member of this provincial sub-committee as well as a member of the Standing Committee for Energy Efficiency in Buildings, the group that revised the current National Energy Code for Buildings. Dieter is representing ASHRAE Manitoba Chapter and its members' interests in the pending Provincial Energy Code. The board is encouraging local members to become familiar with the content of the NECB 2011, specifically in their area of expertise.

If you identify any issues or concerns, forward them to the ASHRAE Manitoba Board for consideration. The board will endeavor to work with the GA committee to discern whether the comments are in the best interest of ASHRAE's mission, locally and nationally, and may pass on those concerns to the provincial sub-committee.

Respectfully submitted;
Dieter Bartel

ASHRAE Manitoba Chapter Officers

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Treasurer	Doug Castor	EH Price	982-2220	DougC@price-hvac.com
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Homepage Editor				
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YEA	Scott Hammond	SMS Engineering Ltd	775-0291	shammond@smseng.com
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	Eileen Jensen	Bonneville Power	Portland	nejensen@bpa.gov
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Treasurer	Rob Craddock	Inland Metal	Regina	rob@inlandmetal.ca
Web Page Editor	Scott Bossert	Benz Air Engineering	Portland	sbossert@benzco.com
2013 CRC Chair	Chris Collett	Christopher Collett and Associates	Surrey BC	chriscollettassoc@gmail.com

ASHRAE needs you, but more importantly you need ASHRAE. ASHRAE always has room for more professionals, just like you. For information regarding ASHRAE membership, contact Manitoba Membership Chair Sam Frenette samuelf@price-hvac.com or visit ASHRAE Manitoba at www.ashraemanitoba.ca

ASHRAE, founded in 1894, is an international organization of 50,000 persons. Its sole objective is to advance through research, standards writing, publishing and continuing education the arts and sciences of heating, ventilation, air conditioning and refrigeration to serve the evolving needs of the public. Visit ASHRAE at www.ashrae.org.

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