



# Pile of Bones

Published by the Regina Chapter of ASHRAE

## President’s Message

By Janel Walter

Welcome back ASHRAE members! I hope everyone had a lovely summer with some holidays and time to enjoy the few short weeks of nice weather we got. We are back to monthly meetings and this month, September 10<sup>th</sup>, we will be getting together at Bushwakker for a speaker and brewery tour. See our new Programs Chair, Dan Brothers’ article for more information on our speaker and details of the evening’s events.

I am enthused to be serving as your ASHRAE President this upcoming year and I know the entire Board of Governors feels the same. We are excited to present new speakers and topics, continue our work with the University and other educational facilities and get together for a few leisurely meetings as well.

This year Dan Brothers is your Programs Chair and President Elect and is working on a great year of programs for you. Also returning to the Board for another year are Jared Larson, Greg Fluter, Alana Yip, Jason Danyliw, Brad Huber, Wayne Tkach, Bob England and Kris Pockett.

As always we will be looking for ASHRAE book donations for the University of Regina students and if anyone has a 4<sup>th</sup> year project idea for the University students, please do contact Jared Larson or myself. It is a great opportunity to expose students to our industry and what it has to offer in the way of a career.

*Continued* →

### Meeting Notice

**Wednesday, September 10<sup>th</sup>, 2014**

#### **Bushwakker Brewpub**

2206 Dewdney Ave. Regina, SK

- 5:00 – Beers
- 5:30 – Speaker
- 6:45 – Supper
- 7:15 – Tour of brewery area
- 7:45 – ASHRAE Chapter Meeting

### Upcoming Events

October 8<sup>th</sup>, 2013  
*TBD*

November 12, 2013  
*TBD*

December 2014:  
*Christmas Social*

### *In this Issue*

- President’s Message.....1
- Meetings & Events.....3
- Committee Chair Reports.....4
- Membership Promotion..... 5
- Board of Governors.....6
- Society.....7
- ASHRAE Learning Institute.....8

# Pile of Bones

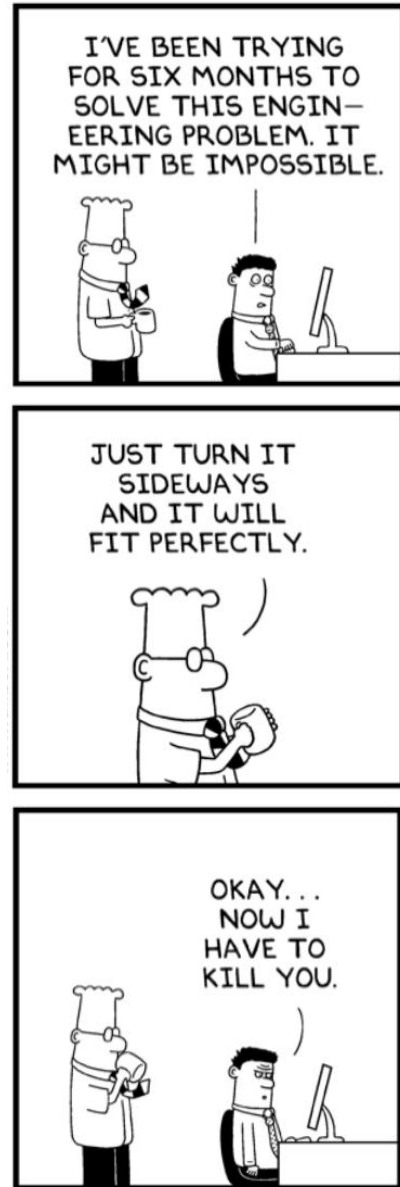
---

## President's Message Continued

I would like to welcome Natasha Bellows to the Board who will be serving as our Newsletter Editor. I would also like to thank Carla Spriggs for her work with the Board not only last year where she surpassed her goal for Research Promotion but for all her work previously as well. Her time and dedication to the Chapter is appreciated by all. At last year's CRC in the Tri-Cities, we once again realized the generosity of our members as we continue to donate more dollars per area assigned member than any other Chapter in our Region to ASHRAE Research.

Once again, we have local representation at the Regional level. Rob Craddock continues to serve as the Regional Treasurer.

I look forward to seeing you all at the upcoming meeting at Bushwakker! Please feel free to contact me at any time with comments or concerns.



## 2014-2015 Meetings and Events

---

September 10, 2014

Speaker: Brian Brunskill

*Geothermal Heating in Saskatchewan*

October 8, 2014

Speaker: TBD

November 12, 2014

Speaker: TBD

December 2014

*Christmas Social*

January 14, 2015

Speaker: Presidential visit

January 24-28, 2015

ASHRAE Winter Conference

Chicago, Illinois

February 11, 2015

Speaker: Distinguished lecturer Tim McGinn

March 11, 2015

Speaker: TBD

April 8, 2015

Student Night

April 23, 2015

ASHRAE Webcast

*New Tomorrows for Today's Buildings:*

*Existing Building Commissioning*

April 30 – May 2, 2015

Region XI CRC in Calgary

May 14, 2015

Speaker: TBD

June 2015

ASHRAE Research Golf Tournament



## Committee Chair Reports

---

### **Programs**

*by Dan Brothers*

Hello and welcome back to the new ASHRAE year! I hope you enjoyed the summer despite the seemingly short stretch of hot weather we had. I'm the new Programs chair and I am looking forward to an informative and educational year.

Our first meeting this year is at Bushwakker Brewpub. We will have a speaker followed by the meal, and after we eat, we will go on a tour of the brewery downstairs. I hope you're keen to see how that delicious beer is made.

Our speaker this month is Brian Brunskill, from Helix Geological Consultants here in Regina. The talk will focus on geothermal heating here in Saskatchewan. Brian has been working as a consulting geologist in the petroleum industry in

Canada since 1985. Work has included the evaluation of deep aquifers with respect to their geological character and fluid movement. This includes the assessment of their hydrocarbon bearing potential and exploitation, particularly through the application of horizontal drilling methods. Since 2003, this work has included the geological assessment for the injection and disposal of carbon dioxide in deep saline aquifers in Saskatchewan. Brian is also a promoter of the use of deep geothermal energy that can be mined from deep aquifers and utilized as a heating source. Using deep geothermal energy can reduce our dependence on non-renewable, carbon-based fuels and provide an associated reduction in CO2 emissions.

## Committee Chair Reports Continued

---

### **Membership Promotion**

*by Greg Fluter*

Welcome back to another ASHRAE year! I hope you all had a great summer. I will once again be the Membership Promotion Chair for the Regina Chapter. We had a good year last year with recruiting new members, however, we once again had a few retirements from within our Chapter and we were only able to increase our "Area Assigned Members" by 1 person. Our goal for this year is to continue to increase our membership as much as possible. I ask that each of you help achieve this goal by forwarding any names of those who might be interested in joining ASHRAE. As well, I will be contacting some of chapter members and companies to see if they have any new or existing employees who would like to join.

If any company has hired a recent graduate who held an ASHRAE student membership last year, please let them know of the Smart Start program which gives them reduced annual Society dues for the first three years (\$20 first year out of school, \$50 for second and \$50 for third year). This basically gets

the new member three years of membership for the price of one (\$120). They must complete the transfer before their active student membership expires. More information is available at [www.ashrae.org/smartstart](http://www.ashrae.org/smartstart) or have them contact me.

Also, I'd like to remind everyone to ensure their Society Membership has been renewed. Society notifies you (usually by email) when your Society fees are due. I receive a monthly delinquent list from Society and will contact you if your name happens to show up on the list. You can renew your membership online at <http://www.ashrae.org/membership--conferences/renew-my-membership>. As for your Chapter Membership, our treasurer will be emailing you an invoice in September. Please remit payment up receiving your invoice.

If you have any questions about your membership please give me a call or email me at [g.fluter@mac-eng.ca](mailto:g.fluter@mac-eng.ca).

## 2014–2015 ASHRAE Regina Board of Governors

---

### *President*

Janel Walter  
HDA Engineering Ltd.  
[jwalter@hdaeng.com](mailto:jwalter@hdaeng.com)

### *Past President & Research Promotion*

Alana Yip  
SaskTel  
[alana.yip@sasktel.net](mailto:alana.yip@sasktel.net)

### *President Elect & Programs Chair*

Dan Brothers  
R.J. England Consulting  
[dan@rjengland.com](mailto:dan@rjengland.com)

### *Membership Promotion*

Greg Fluter  
MacPherson Engineering  
[g.fluter@mac-eng.ca](mailto:g.fluter@mac-eng.ca)

### *Secretary*

Kris Pockett  
Kris Pockett Construction  
[pocket@accesscomm.ca](mailto:pocket@accesscomm.ca)

### *Student Activities & YEA Chair*

Jared Larson  
MacPherson Engineering  
[j.larson@mac-eng.ca](mailto:j.larson@mac-eng.ca)

Contact us at:

[ashraeregina@gmail.com](mailto:ashraeregina@gmail.com)

Visit us at:

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

### *Treasurer*

Brad Huber  
Cypress Sales  
[b.huber@cypresssales.com](mailto:b.huber@cypresssales.com)

### *Way & Means*

Wayne Tkach  
MacPherson Engineering  
[w.tkach@mac-eng.ca](mailto:w.tkach@mac-eng.ca)

### *Historian*

Bob England  
R J England Consulting Ltd.  
[rje.bob@sasktel.net](mailto:rje.bob@sasktel.net)

### *GGAC*

Jason Danyliw  
H.V.A.C. Sales Ltd.  
[jason@skhvac.com](mailto:jason@skhvac.com)

### *Newsletter*

Natasha Bellows  
WSP  
[natasha.bellows@wspgroup.com](mailto:natasha.bellows@wspgroup.com)

## Society Executive

---

### *Society Executive*

President

Tom Phoenix,  
*Greensboro, North Carolina*

President-Elect

David Underwood  
*Oakville, Ontario*

Treasurer

Timothy Wentz,  
*Lincoln, Nebraska*

Vice President

Darryl Boyce,  
*Ottawa, Ontario*

Vice President

Chuck Gullledge,  
*Greensboro, North Carolina*

Vice President

Bjarne Olesen,  
*Kongens Lyngby, Denmark*

Vice President

James Vallort  
*Chicago, Illinois*

Secretary

Jeff Littleton,  
*Atlanta, Georgia*

# ASHRAE Learning Institute

## 2014 Fall Online Course Series

### 2 WAYS TO REGISTER

Take 3 or more courses and save 15% off registration!

**Internet:** [www.ashrae.org/onlinecourses](http://www.ashrae.org/onlinecourses)

**Phone:** Call toll-free at 1-800-527-4723 (US and Canada) or 404-636-8400 (worldwide)

**Note:** You may register up to 24 hours prior to an online course. Courses are in US Eastern Time.

#### **High-Performance Building Design: Applications and Future Trends**

Mon, September 8, 2014 – 1:00 pm to 4:00 pm EDT

#### **Air-to-Air Energy Recovery Applications: Best Practices**

Wed, September 10, 2014 – 1:00 pm to 4:00 pm EDT

#### **Evaluation Methods for High-Performance Green Buildings**

Mon, September 22, 2014 – 1:00 pm to 4:00 pm EDT

#### **Fundamental Requirements of Standard 62.1-2013**

Wed, September 24, 2014 – 1:00 pm to 4:00 pm EDT

#### **NEW! Building Demand Response & the Coming Smart Grid**

Mon, September 29, 2014 – 1:00 pm to 4:00 pm EDT

#### **District Cooling & Heating Systems: Central Plants**

Mon, October 6, 2014 – 1:00 pm to 4:00 pm EDT

#### **Maximizing Customer Benefits Using Key Electric Utility Products**

Mon, October 13, 2014 – 1:00 pm to 4:00 pm EDT

#### **Combined Heat & Power: Creating Efficiency through Design & Operations**

Mon, October 20, 2014 – 1:00 pm to 4:00 pm EDT

#### **Design of Commercial Ground Source Heat Pumps**

Wed, October 22, 2014 – 1:00 pm to 4:00 pm EDT

#### **Energy Efficiency in Data Centers**

Mon, November 3, 2014 – 1:00 pm to 4:00 pm EST

#### **Commissioning for High-Performance Buildings**

Wed, November 5, 2014 – 1:00 pm to 4:00 pm EST

#### **Exceeding Standard 90.1-2013 to Meet LEED® Requirements**

Wed, November 12, 2014 – 1:00 pm to 4:00 pm EST

**The following courses are comprised of two parts. Registrants must attend both parts in order to receive CEU/PDH credits.**

#### **Complying with Standard 90.1-2013**

Part 1 - Mon, September 15, 2014 – 1:00 pm to 4:00 pm EDT

Part 2 - Wed, September 17, 2014 – 1:00 pm to 4:00 pm EDT

#### **Healthcare Facilities: Best Practices for Design & Applications**

Part 1 - Wed, October 8, 2014 – 1:00 pm to 4:00 pm EDT

Part 2 - Wed, October 15, 2014 – 1:00 pm to 4:00 pm EDT

## **HVAC Design Training**

### **2 Courses, 5 Days of Intense Instruction**

**November 2014 – Atlanta, GA**

### **HVAC Design: Level I - Essentials**

ASHRAE's *HVAC Design: Level I - Essentials* provides intensive, practical training for HVAC designers and others involved in delivery of HVAC services. Gain practical skills and knowledge in designing, installing and maintaining HVAC systems that can be put to immediate use. The training provides real-world examples of HVAC systems, including calculations of heating and cooling loads, ventilation and diffuser selection using the newly renovated ASHRAE Headquarters building as a living lab.

### **HVAC Design: Level II - Applications**

ASHRAE's *HVAC Design: Level II – Applications* provides advanced instruction on HVAC system design for experienced HVAC designers and those who complete the *HVAC Design: Level I – Essentials* training. In two days, gain an in-depth look into *Standards 55, 62.1, 90.1, and 189.1* and the *Advanced Energy Design Guides*. Training will focus on a range of topics including: HVAC equipment and systems; energy modeling; designing mechanical spaces; designing a chiller plant; and BAS controls.

Visit [www.ashrae.org/hvacdesign](http://www.ashrae.org/hvacdesign) to register



# ASHRAE Certification Programs

## BEMP Practice Exam Now Available

ASHRAE has launched a practice exam for the Building Energy Modeling Professional (BEMP) certification. The practice exam is designed to be similar in content and difficulty to the actual certification exam. It is a low-cost, online tool for limited self-assessment with a score report overview of performance at the end of the exam. Practice exams are already in place for the BEAP, CPMP and HFDP certifications. Practice exams for the HBDP and OPMP certifications are under development and should be launched later this year.

Visit [www.ashrae.org/BEMP](http://www.ashrae.org/BEMP) to learn more about the BEMP practice exam.

Visit [www.ashrae.org/certification](http://www.ashrae.org/certification) to learn more about ASHRAE certifications.

## New Publications from ASHRAE

ASHRAE, a leader in building information technology, develops publications that impact every facet of the environment, both indoors and out.

### Data Center Design and Operation – ASHRAE Datacom Series CD 4<sup>th</sup> Ed.



This CD-ROM presents the full text of all eleven ASHRAE Datacom Series publications and Standard 127-2012 in fully searchable and printable PDF format. Authored by ASHRAE Technical Committee 9.9, the Datacom Series provides comprehensive treatment of data center cooling, energy efficiency, and related subjects.

\$289 (\$246 ASHRAE Member) / CD / 2014

### ASHRAE Reference Offers Design Guidance on Healthcare HVAC Systems



The second edition of *HVAC Design Manual for Hospitals and Clinics* provides in-depth design recommendations based on best practices from consulting and hospital engineers, with a focus on presenting what's different about healthcare HVAC systems.

\$129 (\$109 ASHRAE Member) / 312 pages / 2013

Visit [www.ashrae.org/bookstore](http://www.ashrae.org/bookstore) to learn more about these and other outstanding ASHRAE publications!