

The

Pile of Bones

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December 2008

President's Message

by Ted Cooke

Twas the meeting before
Christmas, and all through the
land people were gathering, for
the festivities at hand

ASHRAE Regina was ready,
to host their own bash
At a place called the Owl, for
minimal cash

games, food and fun, booze if
you will
so long as your willing to pay
your own bill....

As I am sure you all know, our
Christmas social is this month
and I hope to see you all there
for some Christmas cheer.
Greg and Heric even promised
to sing Christmas carols
throughout dinner....hmmmm,
maybe I should not have
mentioned that. There is no
cost for members, as you
already paid for it in your
membership, so come on out.
Guests are only \$25, so bring
all the friends you want and if
you can not find any, bring
strangers that want a good
meal and some fun. Axiom
industries is graciously
covering all parking, which
will save you up to \$5000 in
fines for unpaid parking
tickets. We will also be joined

by our esteemed colleague
from Alaska, Doug LeCren,
RVC Student Activities. Refer
to the Invitation sent out to all
members for further
information.

On a more serious note, the
ASHRAE Winter meeting in
Chicago is fast approaching
and the chapter has received
numerous FREE show
registrations for the AHR
Expo. I will bring the passes to
the Christmas social for any
and all members who are
planning to head down to
Chicago. On-site registration
will run you \$20 American,
which once again is like \$75
Canadian.

If I do not see you at the social,
Merry Christmas.

"A Christmas gambol oft could
cheer
The poor man's heart through half
the year."
~Walter Scott

**MERRY CHRISTMAS IN
MANY LANGUAGES**

German - Frohe
Weihnachten

Hawaiian - Mele Kalikimaka

Spanish - Feliz Navidad

French - Joyeux Noël

Italian - Buon Natale

Greek - Kala Christougenna

Ukrainian - Srozhdestvom
Kristovym

Meeting Notice!

**Wednesday
December 10th, 2008**

**The OWL on the University
of Regina Campus**
(See attached map for
directions)



ASHRAE Map
11-28-08.pdf

5:00 – Social / Cocktails

6:00 – Dinner

Turkey with Cranberry sauce

Garlic Roasted Potatoes

Pasta Salad

Veggie Medley

House Salad with Italian and
Ranch dressings

Social

Please note: Please indicate the
number of persons in your party.

Note that 3 pool tables and one
foose ball table have been
reserved. A variety of games have
been set up to entertain the pool
shark and beginner alike.

If you can't make it, we encourage
you to pass the invitation along to
your co-worker(s).

Please note: please pay your
invoices for chapter
membership promptly.
See you all at the gathering.

Technical Program for November

Trevor Hobman and Neil Paskewitz have organized our Christmas Social. Please see the details in this newsletter.

Please make your reservation to [t.hobman@cypressales.com](mailto:t.hobman@cypresssales.com) before December 8th for the ASHRAE Regina Chapter - Christmas Social or call any of your executive members to register your attendance.

ASHRAE Regina Chapter - Christmas Social 2008

We will be gathering at The OWL (U of R) for some Christmas cheer, dinner, fun & games!

See you Wednesday.

2008/2009 Meetings and Events Schedule

December 10, 2008: Christmas Social – The Owl at the U of R

January 14, 2009: Duane Rothstein – McQuay International – ASHRAE Standard 62.1-2007 Ventilation for Acceptable Indoor Air Quality

February 11, 2009: Saskatchewan Research Council Update

March 11, 2009: ASHRAE Distinguished Lecturer – Will Stoecker – The World of Industrial Refrigeration

April 8, 2009: Student night (**1 week earlier than regularly scheduled meeting date**)

May 13, 2009: Condensing and Cast Iron boiler Principles and Applications (for Design and Building Operation), and Green Design – Louis Garas & Keith Farrel - Dedietch Boiler

June, 2009: ASHRAE Research golf tournament

Committee Chair Reports

President Elect and Chapter Technology Transfer Chair

by Greg Fluter

I would like to thank Brian Brunskill and Laurence Vigrass for their presentation last month on Deep Well Geothermal Potential in Saskatchewan. It was a very interesting presentation which generated many questions from the group. Hopefully we'll see a project in the near future using this technology. For anyone who is interested, Brian has provided a copy of their presentation. Please email me at g.fluter@mac-eng.ca if you would like to receive a copy.

For January's Chapter meeting we have Duane Rothstein from McQuay International speaking on the new ASHRAE Ventilation Standard (62.1 – 2007). He will be touching on how the new standard differs from previous versions of the Standard and how we can implement the new Standard in our designs. Please plan to attend.

Upcoming January 24th to 28th, 2009 is the ASHRAE Winter Conference held this year in Chicago. For those of you who have never attended it is a great opportunity to go to one place and learn as much as you want to about our industry. There are many things to do from attending short courses to going on technical tours to attending many of the seminars and symposiums and even attending social events. There is also the AHR Expo which is a massive trade show displaying much of the HVAC equipment currently in use in our buildings and also showcasing newer technology coming forth (plus much more!). If you have the opportunity to attend you won't be disappointed. For more information about events and registration please go to <http://www.ashrae.org/events/page/1925>.

Greg Fluter
President Elect and Chapter Technology Transfer Chair

Membership Promotion Chair

by Rob Craddock

I would like to take a moment and wish all the members and their families a Merry Christmas and safe and happy New Year. We have a few people who have expressed interest in membership and I have received one completed application to date but I know that there have been applications filled out online. We have 4 new chapter memberships so far this year. If there is anyone who you think should be a member or if you would like help in upgrading your membership. Please let me know.

Rob Craddock
Membership Promotion Chair

Vice president – Newsletter

by Dean Nagel

Regina Chapter Email Address:
<mailto:ashraeregina@accesscomm.ca>

Regina Chapter Website Address:
Currently Under Construction

American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) is an international membership organization founded to advance the arts and sciences of heating, ventilation, air conditioning, refrigeration and related issues.

Need assistance? Please use the links below or contact us by [e-mail](#).

To change your e-mail address for all eNewsletters, [click here](#). This will not change your official e-mail address in ASHRAE's member database. This will only change the e-mail address to which your ASHRAE eNewsletters are sent.

If someone passed along this eNewsletter to you, and you want to have your own subscription, [click here](#).

To read ASHRAE's media kit to learn about advertising opportunities, [click here](#).

ASHRAE HVAC&R Industry eNewsletter

If you wish to subscribe to the ASHRAE HVAC&R Industry eNewsletter, e-mail subscribe-enews@ashrae.org with "Subscribe this address to The HVAC Industry eNewsletter" in the e-mail subject line. After Nov. 19, access to the article from this eNewsletter will no longer be available. It will remain available for free download by Members [here](#) and for purchase by nonmembers in the [ashrae.org bookstore](#).

ASHRAE Learning Institute

The ASHRAE Learning Institute is offering on-line courses. [Online Courses Registration Form](#) Please see attached information.

Ashrae Pavers for Ashrae Headquarters

As part of the recent renovation of ASHRAE Headquarters in Atlanta, the Society is selling pavers that will be used to complete second-story outdoor seating area that can be enjoyed by staff, members and visitors. Attached is a pdf and how you could be a part of Ashrae history.

 [Paver ad color \(2\).pdf\(879KB\)](#)

If you have questions, please give me a call.

Jodi Dunlop, Communications Manager
American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.
Extension: 1140 Fax: 678-539-2140 eMail:
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SRC and SaskEnergy are looking for a potential Saskatchewan host building to demonstrate natural gas absorption heat pumps

SaskEnergy/SRC – Natural Gas Absorption Heat Pump Project
By Shawn Wedewer, SRC - Building Performance
SaskEnergy and SRC are looking for one eligible host building to perform a trial utilizing Natural Gas Absorption Heat Pumps (NGAHP) in Saskatchewan. SRC is the project manager working on behalf of SaskEnergy. SaskEnergy is interested in installing and demonstrating geothermal NGAHP

technology for buildings located in Saskatchewan. The purpose of the geothermal NGAHP demonstration is to provide a better understanding of geothermal NGAHP technology and quantify the environmental benefits of geothermal NGAHPs in Saskatchewan.

The project will provide the following incentives to the host:

- Two to five Robur Model GAHP-W-LB units will be supplied (total: 238,800 to 597,000 Btu)
- Partial Ground Loop funding up to \$15,000

Besides the incentives listed above, the host will benefit from the NGAHP system energy savings for the facility throughout the life of the project. The host will be responsible for selecting their own design team and paying for all other associated costs. The building can be new construction or involve the retrofit of an existing facility (keep in mind the 140°F output temperature which may complicate the retrofit depending on type of heating system that pre-exists in the building).

For more information please see the SRC website: http://www.src.sk.ca/html/research_technology/manufacturing/build_perform/heat_pump/index.cfm
Contact Shawn Wedewer of SRC at 787-2470 should you have any questions regarding the project.

New Report Illustrates Challenges of Meeting Energy Targets for Federal Buildings

ATLANTA – Federal agencies may have to make significant process changes to meet the mandated 30 percent energy reduction in federal building by 2015, according to a new report. Produced by attendees of a workshop held by representatives of the Federal Facilities Council and private-sector organizations, the report details the challenges of meeting the requirements of the Energy Independence and Security Act (EISA).

One of the main changes recommended by attendees is alteration of funding mechanisms by Congress. Appropriators and oversight committees need to recognize that previous funding patterns may need to change, as additional upfront funds may be needed to implement energy savings, but

long-term costs will fall with lower energy expenditures.

One suggested strategy for funding improvement is establishing a government-wide revolving fund for energy improvements and energy efficient equipment purchases, to be funded in part by the energy savings agencies would realize from long-term improved energy efficiency efforts. The report also mentions the hope that agencies be given greater flexibility in managing their portfolios by selling unneeded assets and retaining funds to improve existing buildings.

Technical feasibility is also a major consideration in meeting EISA's requirements. An integrated design process for both construction and renovations is essential; bringing together appropriators, procurement officers, design and construction teams, facility managers, project managers, training teams, and building occupants from the first phases of a project can encourage the kinds of collaboration necessary to making energy-saving decisions.

Other key areas of interest include:

- Education and training. These areas must be addressed, with opportunities for all agency employees with a focus on their particular roles within the organization—whether as building occupants, facilities management personnel, or procurement officers. Also, as new technologies are implemented, training—particularly of operations and maintenance staff—is necessary to assure these technologies operate at their ideal state to achieve energy savings.
- Case study development to assist agencies and the private sector in developing best practices and learning from previous projects. Effective case studies of energy-efficient buildings will rely on measurement and verification of energy use and other data.

To download a copy of the report, please visit http://www.ashrae.org/docLib/20081103_FedBldgReport.pdf.

ASHRAE plans to hold a legislative briefing in

February to discuss federal agencies' progress in meeting the requirements and the needs identified in the report. For more information on ASHRAE Government Affairs, please visit www.ashrae.org/advocacy.

Be Green, Save Time, and Manage Your Membership Online!

You're probably doing it already – using the internet to pay your bills, stay in touch and read emails like this one. While you're here, ASHRAE wants you to join your colleagues who are already managing their membership online. When you use the ASHRAE website to renew your membership, purchase products, or attend meetings/events, you are doing your part to cut down on printing and postage costs.

ASHRAE provides you with a toolkit to do your job – your membership is packed full of technical, networking and professional development benefits, and it is all just a click away at ASHRAE.org. And did you know you can print a confirmation of your order online? If your company requires an invoice or receipt, print your confirmation and submit it.

ASHRAE is committed to promoting sustainable, efficient and renewable best practices. Make that commitment this year, too. When the time approaches for you to renew your membership, do it early and online.

So update your toolkit, and be green, save time, and manage your membership online through ASHRAE.org today!

To start using the website now, click www.ashrae.org/emailverification, enter your email address and click "Go." Click "Login Now" or "Forgot Your Password" to continue. If you need assistance, contact a customer service representative membership@ashrae.org or (800) 5-ASHRAE (US and Canada) or (404) 636-8400 (International).

ASHRAE Opens Green Building Standard Committee to New Membership

ATLANTA – As ASHRAE, USGBC and IESNA move forward in developing the nation's first standard for high-performance, green commercial

buildings, membership on the committee developing the standard is being reconstituted.

Proposed Standard 189.1, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings, will provide minimum requirements for the design of high-performance new commercial buildings and major renovation projects, addressing energy efficiency, a building's impact on the atmosphere, sustainable sites, water use efficiency, materials and resources, and indoor environmental quality. It is being developed by ASHRAE, the Illuminating Engineering Society of North America (IESNA) and the U.S. Green Building Council (USGBC).

To better address the varied areas covered in the proposed standard, a new committee is being appointed. A call for members is open through December 4 at www.ashrae.org/publicreviews.

"The market will benefit from the lead taken by ASHRAE and its cosponsors in developing this most challenging standard, which addresses ever-evolving technology," said ASHRAE Presidential Member Kent Peterson, who has been named as chair of the Standard 189.1P committee. "As we have proceeded down this path, we recognized that the proposed standard would benefit from additional expertise and more involvement from interested parties. We are committed to developing this green building standard with accurate and appropriate technical content through a rigorous, transparent and fair standards development process."

The proposed standard has generated much public interest, with more than 900 comments received during each of the two public reviews. While the standard has undergone two public reviews, it is anticipated that the standard will undergo a new full public review in the near future as technical guidance and input is offered by new committee members.

Those interested in serving on the committee can find more information at www.ashrae.org/publicreviews.

ASHRAE Certification Programs

In response to overwhelming support from membership, in 2006 ASHRAE dedicated resources to the development of personnel certification programs. ASHRAE's first ever certification

program, the Healthcare Facility Design Professional (HFDP), launched in June 2007. The second program, the High-Performance Building Design Professional (HBDP) program, launched one year later, in June 2008. Two more programs – in building operations and maintenance and in commissioning process management, respectively, will launch in 2009.

Each ASHRAE certification program will have its own eligibility requirements that candidates must meet in order to be eligible to earn that certification. These requirements will consist of sets of stated combinations of education and experience in the HVAC&R industry. Each candidate will be required to submit a completed application indicating how he or she meets the eligibility requirements for a specific certification program. After receiving approval from ASHRAE, the candidate will be instructed on how to register for the appropriate examination. A candidate who successfully passes an ASHRAE certification examination will be known as a Certificant. A new application will be required for each ASHRAE certification program. Membership in ASHRAE will not be required for participation in any ASHRAE certification program. However, ASHRAE members will receive discounts on certification examinations.

Each ASHRAE certification program meets the high standards you expect from the Society. Subject matter experts who represent a variety of perspectives develop both the content outline for a program and the program’s certification examination. ASHRAE’s intent is to make the certification programs as international as possible. So, for example, each program’s eligibility criteria are written to recognize appropriate academic and work experience from anywhere on the globe. In addition, examination items reference both inches/pound (IP) and system international (SI) units of measurement. Also, ASHRAE uses a network of almost 200 testing centers in the following 27 countries :

Australia	Nigeria
Bermuda	Philippines
Canada	Puerto Rico
China/Hong Kong	Qatar
Colombia	Saudi Arabia

Egypt	Singapore
Germany	South Africa
Guam	South Korea
India	Spain
Italy	Taiwan
Japan	United Arab Emirates
Jordan	United Kingdom
Kuwait	United States of America
Lebanon	

For more information about ASHRAE’s certification programs, please visit www.ashrae.org/certification.

New Report Provides Roadmap for Energy Policy and Strategies in the New Administration

Focus on building energy use

ATLANTA – As the federal government prepares for the presidential transition in January, it will face challenges in dealing with increasingly complex issues and new directives from the Obama administration and the new Congress, especially concerning energy issues. A new report from the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) provides a potential roadmap for addressing the nation’s dependence on foreign energy sources and its greenhouse gas emissions while growing the economy.

“Buildings are often overlooked as an opportunity to reduce energy consumption and offer an excellent opportunity to achieve national energy goals,” says ASHRAE President Bill Harrison. Buildings are responsible for 40 percent of the United States’ energy consumption—more than transportation and industry — and represent 38 percent of the U.S.’s greenhouse gas (GHG) emissions.

Our citizens spend approximately 90 percent of their time indoors—many of them in schools and office buildings. The entire U.S. construction industry employs an estimated 10 million people including manufacturing, and with increased focus on improving energy efficiency

within buildings, that number can be expected to rise.

ASHRAE's report provides detailed recommendations on shaping energy policy. Some of the suggested provisions include:

Energy Policy and Climate Change: Require annual measurements of building energy use, and provide funding and direction for data collection and analysis regarding energy use in buildings. ASHRAE has recently launched an effort to develop a domestic building energy labeling program that will provide owners, operators and occupants information on their buildings' energy consumption.

Federal Incentives: The report offers ideas for government incentives for energy-related activities, particularly commissioning, re-commissioning and retro-commissioning; education and training for operations and maintenance personnel; realistic depreciation schedules; and long-term tax deductions.

Research and Development: ASHRAE recommends increased research and development efforts in the built environment, particularly for on- and off-site renewable energy, net-zero-energy building technologies, and increased governmental support for private-sector R&D.

Federal Agency Activities: ASHRAE recommends providing adequate financial and technical resources to federal agencies to meet new energy requirements, and promote the use of tools such as building information modeling and integrated design for federal construction projects.

Education: The report stresses the importance of supporting educational programs focused on student competence in STEM fields, and providing funding for "green-collar" job training programs.

ASHRAE, founded in 1894, is an international organization of some 50,000 persons. ASHRAE fulfills its mission of advancing heating, ventilation, air conditioning and refrigeration to serve humanity and promote a sustainable world

through research, standards writing, publishing and continuing education.

Dean Nagel
Vice President – Newsletter

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