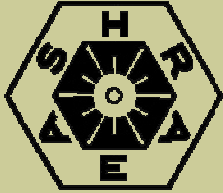


# ASHRAE Newsletter La Crosse Chapter

www.ashraelacrosse.org

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Chapter of ASHRAE  
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## Upcoming Events

### April 20, 2010

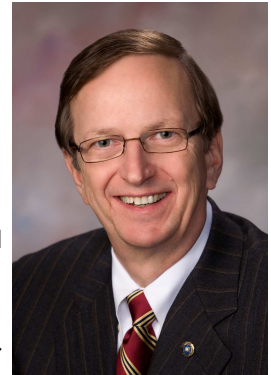
- UWL Chilled Water and Steam Plant Tour, Hank Klos

March 2010

## Maintain to Sustain

by William Harrison President Arkansas Trane, Past President ASHRAE

Throughout the world buildings are the single largest user of energy and much of that energy is wasted. The presentation covers the drivers for reducing the amount of energy wasted by improving the operating strategies for the buildings. Effective techniques for reducing non-value producing energy in existing buildings are discussed along with effective maintenance procedures. Reducing wasted energy requires more effective communication with building owners and the talk shows why it is essential that the buildings business moves toward evaluating building systems based on life cycle costing.



William Harrison is president of Trane Arkansas, the independent Trane commercial sales office in Little Rock, Arkansas. He is a former president of the American Society of Heating, Refrigerating and Air-Conditioning Engineers, a global society known for advancing the technology of air conditioning systems with an emphasis on the efficient use of energy. He has also served ASHRAE as president of the Shreveport, Louisiana Chapter, Chair of Region VIII, and as chair of numerous committees and councils. Harrison's presidential theme, "Maintain to Sustain," urged the buildings industry to reduce the energy used in buildings by more effective operation of existing buildings.

Harrison has also been active in other industry organizations. He has served as president of the Mechanical Contractors Association of Arkansas, chair of the Arkansas Construction Industry Council and president of the Arkansas Academy of Industrial Engineering. His company, Trane Arkansas, was an early member of the United States Green Building Council and he was a member of the founding board of Arkansas Chapter of USGBC. He received a bachelor of science in industrial engineering from the University of Arkansas.

Harrison has served as a member of numerous Trane Councils and Committees. He served on the Trane Commercial Marketing Council in 1987, 1988, 1991, and 1995. He was the field member of the Distribution Task Force in 1988, the Business Systems Challenge Team in 1990, and the Business Transformation Team in 1992 / 1994. He was a member of the Marketing Organization Task Force in 1991 and served on the Trane University Advisory Board in 1996 / 1998.

Those wishing to attend this program remotely should contact Jim (JSpielbauer@trane.com).

Location: Trane Technology Center  
2313 S. 20th St. Room 1A/1B  
LaCrosse WI 54601  
Date: Wednesday, March 17, 2010  
Agenda: 12:00 - 12:15 Lunch  
12:15 - 12:30 Business meeting  
12:30 - 1:30 Presentation  
Cost: None  
a la carte from Trane cafeteria  
RSVP: Please sign up by 1:00 p.m.,  
March 16th, 2010 at  
[www.ashraelacrosse.org](http://www.ashraelacrosse.org)

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**Honors and Awards**

Jim Spielbauer

**Membership**

Chris Hsieh

**Newsletter**

Jim Spielbauer

**Research Promotion**

Rick Heiden

**Student Activities**

Scott Hintz

## Update on Student Scholarships

by Scott Hintz, Student Activities Chair

ASHRAE Mission Statement: "The Society is established for the purpose of advancing the arts and sciences of heating, refrigeration, air-conditioning and ventilation, and the allied arts and sciences, for the benefit of the general public."

As part of this charter, our Chapter has chosen to enhance opportunities for technical education in the HVAC sciences through educational scholarships.

In 1993, an endowed scholarship was established by our chapter at Western Technical College with an initial investment of \$13,600. Contributions in 2002 and 2003 of \$6,000 and \$1,000, respectively brought the fund principle to \$20,600. The fund principle must maintain a minimum balance of \$20,000.

Interest from the endowment principle is used to fund scholarships created at both Western Technical College "La Crosse Chapter of American Society of Heating, Refrigeration, & Air Conditioning Inc. (ASHRAE)" and Chippewa Valley Technical College "ASHRAE LaCrosse Chapter Scholarship." Our chapter established the evaluation criteria for each scholarship and the respective school conducts selections using administration staff and volunteers. Applicants must be enrolled as a full time student in each school's respective HVAC Technology Programs. Award amounts have totaled anywhere from \$200 to \$1000 split by two to four recipients.

- Typical dates in the scholarship cycle are:
- August through January – student applications
- March – selection and awards
- March or April – scholarship receptions

Award banquets are held each year at the respective college with ASHRAE members attending as possible to present the awards. The endowment is administered by Western Technical College foundation office.

For 2010 two scholarships, one at each school, for \$200 each will be awarded. Due to the current economy, interest returns on the endowment principle were very small. The 2008-2009 Chapter Board of Governors (BOG) in summer of last year took quick and decisive action to supplement the endowment principle from Chapter funds in order to ensure there would be scholarships awarded for 2010. The 2009-2010 BOG is actively investigating the implementation of procedures and processes to ensure sufficient funds will be available each year in order to award scholarships of a meaningful value.

If you have any input or feedback on the Chapter Scholarship program please contact Scott Hintz (ScottF.Hintz@trane.com), Student Activities Chair, ASHRAE La Crosse Area Chapter.

## Attend the ASHRAE Local Chapter Meetings and Get Your LEED Continuing Education (CE) Hours

by Chris Hsieh, Membership Chair, ASHRAE La Crosse Chapter



For those LEED APs enrolled in the credential maintenance program, the most important document to get familiar with is the Credential Maintenance Program (CMP) Guide (<http://www.gbci.org/ShowFile.aspx?DocumentID=3665>).

To keep LEED credentials intact, a LEED AP with specialty must earn 30 credit hours (6 LEED-specific) biennially and a LEED Green Associate must earn 15 credit hours (3 LEED-specific) biennially.

Under section 2 page 12 of the CMP Guide, you will notice that attending live presentations is one way you can earn CE hours for your LEED credential. The guide limits CE hours earned

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from live presentations to no more than 5 hours per 2-year reporting period.

At each ASHRAE La Crosse Area chapter meeting, the sign-in sheet serves as a proof of attendance. You must remember to sign-in in order to receive an official attendance certificate. After the meeting, send an email to Chris Hsieh (CHsieh@trane.com), indicating that you would like an attendance certificate for the meeting you just attended. Chris will email you, in PDF format, the attendance certificate which will contain the information necessary for your GBCI credential maintenance records.

I would like thank our current membership for their continuing support of ASHRAE La Crosse. If you are not yet a member of ASHRAE and the ASHRAE La Crosse Area Chapter, please consider joining. I look forward to seeing you in some of our upcoming meetings.

If you have any questions or comments; please contact Chris Hsieh (CHsieh@trane.com), Membership Chair, ASHRAE La Crosse Area Chapter.

## Country Climate Change and Ozone Developments

by Tom Werkema

Society has made available, on video, a presentation Tom Werkema (Arkema ) made at the ASHRAE Conference in Orlando. It is titled Country Climate Change and Ozone Developments. It is 26 minutes long and covers a range of topics including HCFC Caps and projected shortfalls of R-22, HFC controls, and EU Regulatory Update (HFCs).

<http://ashraem.confex.com/ashraem/w10/recordingredirect.cgi/id/3636>

## Google Can Sell Energy Like a Utility

WASHINGTON — The U.S. Federal Energy Regulatory Commission (FERC) has given Google the right to buy and sell bulk energy like a utility. The Internet company currently does not own generation facilities or transmission lines to deliver power and is not planning to use the new authority for retail purposes, FERC officials said before the commission voted at its monthly meeting. Google has said its interest in the power markets stems from a desire to manage its own energy supplies and gain better access to renewable power. The company operates several networks including large data centers. Theoretically, Google can now use its large data centers to provide services to control power consumption in commercial buildings, industrial sites, and homes. A spokesperson for the company said it is not completely sure how it will proceed.

<http://www.greentechmedia.com/articles/read/it-official-google-can-now-sell-power-like-a-utility/>

## Clean, Cheap Energy in a 'Box'

SUNNYVALE, Calif.—A Silicon Valley start-up this week unveiled a fuel-cell product that it claims can power a small office building. The refrigerator-sized "Bloom Box" reportedly can generate about 200 kW. Bloom Energy expects to have residential systems within a decade that will be about the size of a loaf of bread. The box mixes air and fuel such as natural gas, ethanol or biogas. Oxygen ions react with the fuel to produce electricity. There is no combustion, so the fuel cell is two-thirds cleaner than coal-fired plants, the company says. The device has been tested by Google, Bank of America, Walmart and other large corporations.

<http://www.nytimes.com/2010/02/24/business/energy-environment/24bloom.html?dbk>