



# Mississippi Valley Chapter Newsletter

October 2011

<http://www.mississippivalleyashrae.org>

Monthly Newsletter

## Important Dates

### • October 20, 2011

ASHRAE Certifications:  
Background and recent  
development of the  
BEMP and BEAP  
certifications.

### • November 17, 2011

Tour of Mississippi River  
Distilling Company in  
LeClaire, IA.

### • January 19, 2012

Topic TBD.

### • February 16, 2012

Topic TBD.

### • March 15, 2012

Topic TBD.

### • April 19, 2012

Topic TBD.

### • May 17, 2012

Topic TBD.

### • June 1, 2012

Annual Golf Outting.

## October Meeting: BEMP and BEAP Certifications



For our October chapter meeting, we will be hosting David Eldridge of Grumman/Butkus Associates. David has been involved with the development of ASHRAE's Building Energy Modeling Professional (BEMP) and Building Assessment Professional (BEAP) certifications programs and examinations.

David will be presenting a background of the ASHRAE certifications, while highlighting the recent development of the BEMP and BEAP certifications.

### October 20th Program

**Location:** The Steeplegate Inn  
100 W 76<sup>th</sup> St  
Davenport, IA

**Program:** BEMP and BEAP Certifications

**Agenda:** 4:30-5:30 Program  
5:30-5:45 Meeting at Steeplegate  
5:45-6:45 Dinner at Steeplegate

**Menu:** Caesar Salad  
Breadsticks  
Pollo Tuscana Penne Pasta

David has worked at Grumman/Butkus Associates for ten years, primarily in energy audits, energy modeling, and energy efficiency and sustainability of buildings. Projects have included energy modeling in support of LEED projects as well as for system selection. He has worked on energy audits ranging from large campus clients to commercial office high rise buildings, in addition to life-cycle cost analysis of HVAC system alternatives. Before working at G/BA, David earned his Master's degree at Oklahoma State under Dr. Dan Fisher, and earned his bachelor's degree at University of Illinois, Urbana. His research at OSU focused on validation of the Radiant Time Series cooling load calculation procedure. David grew up working on a farm in New Boston, IL, directly south of Muscatine, IA. He attended the Westmer school systems, which is now part of Mercer County school district.



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## Mississippi Valley Chapter News

### Second Annual Mississippi Valley Chapter of ASHRAE Sporting Clays Event

We would like to thank Bi-State Sportsman's Association for hosting the second annual Sporting Clays Shoot. Over \$1,200 was raised that will be used toward the local chapter's student activities. Also, thank you to each of the shooters and the various sponsors. We truly appreciate your efforts toward this important fund. Corporate sponsors included:

The Baker Group  
Mitsubishi Electric  
Trane  
Stanley Consultants  
DPT Mechanical  
Mid-Continents Marketing Services  
Ryan and Associates



### 50-50 Drawing to return at ASHRAE Meetings in 2011!

This year you Mississippi Valley Chapter Board of Governors will be holding a 50-50 drawing to help raise money for ASHRAE Research Promotion at each regular meeting. ASHRAE RP funds have helped many significant research projects, and participating in the Chapter's 50-50 drawing is a great way to help support the organization! Tickets are just \$1 each so be sure to grab a few!

### CRC 2014 Volunteers Needed

The Mississippi Valley ASHRAE Chapter will host the CRC in 2014. While this seems like a ways away, our chapter needs to begin preliminary planning for this event. If you wish to help, please contact Andrew Price ([PriceAndrew@StanleyGroup.com](mailto:PriceAndrew@StanleyGroup.com)) to be part of this great event!.

## ASHRAE News

### ASHRAE Introduces New Liquid Cooled Datacom Environmental Classes

ATLANTA – A new whitepaper that serves as the first vendor neutral thermal guideline for liquid cooled data processing environments is available for free download from ASHRAE.

"2011 Thermal Guidelines for Liquid Cooled Data Processing Environments" creates data center classes for liquid cooling that can enable fulltime economizers for a number of applications in many climates, according to Don Beaty, chair of the Publications Subcommittee of ASHRAE's Technical Committee (TC) 9.9, Mission Critical Facilities, Technology Spaces and Electronic Equipment.

<http://www.ashrae.org/pressroom/detail/ashrae-introduces-new-liquid-cooled-datacom-environmental-classes>

## **ASHRAE is Supporting Sponsor of Solar Decathlon 2011**

ATLANTA—ASHRAE is proud to once again shine a light on the key role solar energy will play in the development of net-zero energy buildings as a supporting sponsor of the Solar Decathlon 2011.

The Decathlon—sponsored by the Department of Energy and held on the National Mall from Sept. 23-Oct. 2—is a competition in which 20 teams of college and university students compete to design, build and operate the most attractive, effective and energy-efficient solar-powered house.

<http://www.ashrae.org/pressroom/detail/ashrae-is-supporting-sponsor-of-solar-decathlon-2011>

## **Alternative to ASHRAE Standard 62.1 Ventilation Rate Procedure Proposed**

ATLANTA – Public comment is being sought on the proposed allowance of an additional default value to the ventilation rate procedure in ASHRAE's indoor air quality standard.

ANSI/ASHRAE Standard 62.1-2010, Ventilation for Acceptable Indoor Air Quality, sets minimum ventilation rates and other requirements for commercial and institutional buildings. The ventilation rate procedure provides a prescriptive method for determining minimum ventilation requirements. It accounts for pollutant sources from both the building and its occupants, and allows the designer to account for the efficiency of different ventilation systems when delivering outdoor air to the breathing zone.

<http://www.ashrae.org/pressroom/detail/alternative-to-ashrae-standard-62-ventilation-rate-procedure-proposed>

## ***Digital Journal***

[http://www.nxtbook.com/nxtbooks/ashrae/ashraejournal\\_201108/#/0](http://www.nxtbook.com/nxtbooks/ashrae/ashraejournal_201108/#/0)

## ***Industry News***

### **LEED 2012 to Add Real-Time Reporting**

WASHINGTON—The next version of the U.S. Green Building Council's LEED rating system will add new requirements to better reflect how LEED buildings actually save energy and water and how they can improve. LEED 2012 will debut in November and then go to USGBC members for a vote next summer. Sharing data so that other commercial real estate owners can compare their energy use is now going to be required. To get data from buildings ready for public consumption, the USGBC is inviting software developers to devise ways to make performance data transferable. USGBC already uses an online database called the Green Building Information Gateway that maps LEED buildings and displays performance data. LEED 2012 will also require owners to recertify every five years.

<http://images.ashrae.biz/redirect/?url=2745>

### **Empire State Building Certified LEED Gold**

NEW YORK—The Empire State Building has been awarded LEED Gold for Existing Buildings certification as a result of its recent \$550 million renovation. According to the U.S. Green Building Council (USGBC), it is the tallest building in the U.S. to receive LEED certification. The renovation is designed to reduce the building's energy consumption by more than 38%, yielding a \$4.4 million savings in energy costs annually. The improvements also reduce carbon emissions by an estimated 105,000 metric tons over 15 years. Sustainable measures implemented include retrofitting all 6,514 windows, upgrades to the building management system, and installation of reflective insulation behind all of the building's radiative barriers to redirect heat inward.

<http://www.sustainablebusiness.com/index.cfm/go/news.display/id/22720>

### **DOE Finalizes Loan for Solar Power Project**

SAN BERNADINO COUNTY, Calif.—The U.S. Department of Energy (DOE) has finalized a \$1.2 billion loan guarantee to Mojave Solar LLC for the development of the Mojave Solar Project. When complete, the 250 MW solar generation project will increase the United States' installed concentrating solar power (CSP) capacity by about 50%. It will generate enough electricity to power more than 54,000 homes. The project will be the first U.S. utility-scale deployment of a new type of solar collector assembly. Also, a new heat collection element increases thermal efficiency by up to 30% over conventional CSP plants.

<http://images.ashrae.biz/redirect/?url=2748>

Check-out the Updated Chapter Website at:  
[www.mississippivalleyashrae.org](http://www.mississippivalleyashrae.org)

**2010-2011 Officers/Board of Governors**

<i>President:</i>	<i>Jake Vorac</i>
<i>Vice President:</i>	<i>Cris Washburn</i>
<i>Treasurer:</i>	<i>Justin Clegg</i>
<i>Secretary:</i>	<i>TBD</i>
<i>Past President</i>	<i>Simon Possin</i>
<i>Member at Large:</i>	<i>Philip Prest</i>
<i>Member at Large:</i>	<i>Brian Hodgjin</i>

**2010-2011 Committee Chairs**

<i>CRC Delegate:</i>	<i>Cris Washburn</i>
<i>CRC Alternate:</i>	<i>Justin Clegg</i>
<i>Historian:</i>	<i>Sherm Sweeney</i>
<i>Membership:</i>	<i>Kyle Rehn</i>
<i>Programs:</i>	<i>Cris Washburn</i>
<i>Resource Promotion:</i>	<i>Simon Possin</i>
<i>Seminar:</i>	<i>Bruce Davis</i>
<i>Student Activities:</i>	<i>Kyle Rehn</i>
<i>CTTC:</i>	<i>Bruce Davis</i>
<i>Webmaster:</i>	<i>John Schaub</i>



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