

THE HOT AIR DIFFUSER

Chapter Newsletter

SEPTEMBER 2015 Volume 22 Issue 1



IDAHO ASHRAE CHAPTER OFFICERS

Officers

President—Russell Pratt
russell.pratt@cshqa.com

President-Elect—Casey Huffaker
chuffaker@siglers.com

Secretary—Daniel Russell
danr@engineeringinc.com

Treasurer—Michael Jones
mikejones@seedidaho.com

Past-President—Brad Acker
backer@uidaho.com

Board of Governors

David Kirkham
david@bstcx.com

Carl Marcum
carl@ymcinc.com

Dennis Fox
dfox@datasitecolo.com

Brad Acker
backer@uidaho.com

Xenon Long
xlong@ymcinc.com

Chair Positions

Technology Transfer—Brad Acker
backer@uidaho.com

Membership—Katie Leichter
kleichter@uidaho.edu

Student Activities—Shane Bird
sbird@techairprod.com

Newsletter—Chris Dyke
chrisd@musgrovepa.com

Historian—Steve Hardy
steven.hardy@cshqa.com

Resource Promotion—Daniel Russell
danr@engineeringinc.com

Publicity—Brent Robertson
brent@robertsonslc.com

Webmaster—Randy Reed
randy@norbryhn.com

SEPTEMBER CHAPTER MEETING

SEPTEMBER:

Psychometrics

The September 2015 monthly Idaho ASHRAE meeting will host Bob Tikker, Principal of Tikker Engineering. His talk will include applied psychometrics as it pertains to heating, air conditioning, evaporative cooling, cooling tower operation, desiccant heating, and spray dehumidification.



Please note the location change only for this month's meeting!

Please Register online at:

www.idahoashrae.com

When:

Wednesday, September 9th, 2015
11:45am to 1:00 pm MST

Where:

Idaho Pizza Company
7100 West Fairview Ave.
Boise, ID 83704

MAY:

ASHRAE's President Elect

T. David Underwood, P.Eng., Fellow ASHRAE, Life Member, CPMP, Oakville, resides in Ontario, Canada. As ASHRAE's president for 2015-16, Underwood chairs the Society's Board of Directors and Executive Committee. His presidential theme is "Making Connections" which focuses on the first goal in ASHRAE's Strategic Plan, which calls for connecting as a way to foster vibrant, informed and engaged ASHRAE and industry communities," Underwood said. "The theme focuses not only on the connections of ASHRAE membership but extends to connecting with industry, communities, governments and globally."

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.

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PRESIDENT'S MESSAGE

RUSSELL PRATT

Has anyone else noticed how hard it is lately to find entry level EIT's? It also seems to be difficult for contractors to find installers that have a good basic skill set to start with. Recently, I've found a few piping installation details that leave me scratching my head saying something like "really, you didn't know that a swing check can't be installed pointing down?" So, I did a little research and found that Dennis Technical-Education Center does not have an HVAC technician training program. I've also found that West Ada school district has a pre-engineering program at the Professional Technical Center. It does not have an architectural engineering program that would give kids a head start on a career in HVAC engineering.

I've seen a need and I want to assemble a team of key people with an interest in helping these two facilities. We need to help them create the programs we need to inspire an interest in this career path at an earlier age. We can use the resources we have at the chapter level to start and then leverage local industry support to build. If you agree and have an interest in getting involved, let me know. You can email me at russell.pratt@cshqa.com.

<http://www.westada.org/Page/22635>

<http://www.westada.org/Page/634>



HISTORY LESSON

SEPTEMBER

Ten Years Ago

The chapter president was Bob Tikker. The meeting was held on September 9, 2005, at Louie's Restaurant in Meridian. Martin Powell presented information concerning the changes to CSI's Master Format, which went into effect on July 1, 2005.

Fifteen Years Ago

The chapter president was Ben Kohler. The meeting was held on September 8, 2000, with a tour of United Water's Marden water treatment plant near Warm Springs Golf Course.

Twenty Years Ago

The chapter president was Jon Mason. The meeting was held on September 8, 1995, at the Red Lion Riverside. Larry Stauffer, Associate Professor of Mechanical Engineering and Director of Boise Engineering Programs, University of Idaho, Boise State Campus, gave an overview of what is happening with the engineering program offered at the BSU campus.

Twenty-Five Years Ago

The chapter president was Scott Richardson. The meeting was held on September 13, 1990, at the King's Table Restaurant. Alan Messick, BSU School of Vo-Tech gave an overview of the Vo-Tech facility, including operation, goals, and successes. He also showed a short videotape on CFC's.

Thirty Years Ago

The chapter president was Dave Asmus. The meeting was held on September 13, 1985, at the King's Table Restaurant. Chuck Meckelson, Boise City Engineer, gave an overview of the Boise City Geothermal Project.



NEWS FROM THE HOME OFFICE

Policymaking Halt While Members of Congress Are Away? Not According to Hill Staff

ATLANTA – For the rest of the month, US House and Senate members are back in their States and Districts, meeting with their constituents and attending to other business. This is a traditional time when congressional staff go on vacation and otherwise catch their breath. Yet, a surprising number of staffers have not slowed their pace, continuing their dead run in pursuit of comprehensive energy legislation by the end of the year. As [previously reported](#) in the Update, important actions were taken in late July in the House and Senate to approve their respective energy bills (see [here](#) and [here](#)), creating momentum, hope, and a sense of urgency. While both the House and Senate bills currently enjoy bipartisan support, considerable controversy remains, as many Members of Congress have amendments waiting in the wings that they would like to see added. The leaders of the energy committees are aiming to have legislation enacted by the end of 2016, however time is in short supply to meet this target...

September will be largely occupied by debate over the annual funding bills. The new fiscal year begins October 1, and if Congress hasn't enacted their bills by this time, they'll need to pass a continuing resolution to avert a partial government shutdown.

October is when Congress will need to raise the debt ceiling or confront uncomfortable spending decisions. This is also the month when funding for the federal highway trust fund expires. These two issues alone will likely take up much of the month.

Members of Congress are back in their States and Districts for much of November, leaving only 11 days to work on legislation.

As a result, December currently looks to be the most likely month for consideration and passage of comprehensive energy legislation to occur. However, this assumes that other issues don't dominate the Congressional agenda and push consideration to next year - which may be a stretch.

With elections for the entire House, one-third of the Senate, and the Presidency in 2016, along with the annual issues Congress must address, many believe that if comprehensive legislation doesn't pass this year, the next opportunity may not occur until 2017. Interestingly however, Members of Congress may not be willing to wait that long. Consequently, the lack of alternative plans to enact energy legislation are already beginning to appear. The next several weeks will be crucial. Stay tuned...

EPA Launches Intense Education Effort Use of Energy Efficiency in Clean Power Plan

ATLANTA – When the Clean Power Plan (CPP) was released only a short time ago, building block four: demand-side energy efficiency, was eliminated in the final rule. This has created considerable confusion, with many wondering if energy efficiency can be included in State compliance plans. In response, the US Environmental Protection Agency (EPA) has been meeting with various stakeholder groups, and holding webinars and conference calls to clarify what is allowed. The resounding message: The CPP in no way limits how much (or how little) energy efficiency can be used by States in their plans to meet their goals under the CPP. Additional information on the CPP can be found [here](#). Technical and legal support documents are available [here](#).

Energy Conservation Standards Proposed for Vending Machines—ASHRAE Standard 32.1-2010 Discussed

ATLANTA – The US Department of Energy (DOE) has issued a notice of proposed rulemaking (NPR) proposing to amend energy conservation standards for Class A and Class B beverage vending machines. DOE is also proposing to amend the definition for Class A equipment to more clearly differentiate Class A and Class B equipment, as well as to amend the definition of combination vending machine. In addition, DOE proposes to establish definitions and new energy conservation standards for Combination A and Combination B classes of beverage vending machines. This NPR also announces a public meeting to receive comment on these proposed standards and associated analyses and results, and announces the availability of the NPR technical support document (TSD).

ASHRAE Standard 32.1-2010 Methods of Testing for Rating Vending Machines for Sealed Beverages, is discussed in this NPR.

DOE will hold a public meeting and webinar on September 29, 2015 from 10:00 a.m. to 3:00 p.m. Eastern. Comments are due by the end of October 19, 2015. Full information is available [here](#).

NEWS FROM THE HOME OFFICE CONTINUED...

Request for Information Issued on Building Diagnostic Technologies

ATLANTA – DOE has issued a request for information (RFI) seeking information from the public on diagnostic technologies that can be used to identify infiltration through the envelope, including in and around fenestration, of residential and commercial buildings. In particular, DOE's Building Technologies Office is interested in the current state-of-the-art in infiltration diagnostic technologies, forthcoming research and development advances that could reduce cost or improve performance, and the potential market implications of improved infiltration diagnostics. Responses to this RFI will impact the development of the BENEFIT 2016 FOA. Comments are due by 5:00 p.m. ET on September 16, 2016. Full information is available [here](#).

DOE Reopens Comment Period on Proposed Rulemaking for Energy Conservation Standards for Fluorescent Lamp Ballasts—ASHRAE/IES Standard 90.1 Discussed in Framework Document

ATLANTA – DOE has reopened the comment period for its rulemaking on energy conservation standards for fluorescent lamp ballasts. ASHRAE/IES Standard 90.1, Energy Standard for Buildings Except Low-Rise Residential Buildings, is discussed in the rulemaking framework document, available below. The comment period now closes on September 2, 2015.

Full information on the rulemaking is available [here](#).

The rulemaking framework document is available [here](#).

GSA Solicits Public Comment on Draft Model Commercial Leasing Provisions Focused on Cost-Effective Energy and Water Efficiency Improvements

ATLANTA – The US General Services Administration (GSA) has developed draft model commercial leasing provisions, as required by Section 102 of the "Better Buildings Act of 2015," and is soliciting public comment on these provisions. These provisions are intended to encourage building owners in the private sector, as well as State, county, and municipal governments, to invest in all cost-effective energy and water efficiency im-

provements, and to encourage tenants in these sectors to require spaces in which such measures have been implemented.

Full information is available [here](#).

Department of Commerce's Renewable Energy and Energy Efficiency Advisory Committee to Meet in September to Discuss Priority Issues

ATLANTA – The US Department of Commerce's Renewable Energy and Energy Efficiency Advisory Committee will meet on September 22, 2015 to discuss priority issues identified in advance by the Committee Chair and Sub-Committee leadership, and hear from interagency partners on issues impacting the competitiveness of the US renewable energy and energy efficiency industries. A limited amount of time before the close of the meeting will be available for pertinent oral comments from members of the public attending the meeting.

Full information is available [here](#).

DOE Issues Final Rule on Grid-Enabled Water Heaters

ATLANTA – Congress created a new definition and energy conservation standard for grid-enabled water heaters in the Energy Efficiency Improvement Act of 2015, which amended the Energy Policy and Conservation Act of 1975 (EPCA). DOE is publishing this final rule to place in the Code of Federal Regulations the energy conservation standards, and related definitions, and to explain its interpretation of the new language. This final rule will implement these amendments to EPCA.

Full information is available [here](#).

Today, DOE issued a technical correction to the final rule. This information can be found [here](#).

ADVERTISEMENTS

Online Advertising!!

Get your business card posted on

www.idahoashrae.com

*renewals are due now

Annual Business Card Ad on Website: **\$50**



Professional Development Hours

Professional Development Hours are now available at
ASHRAE monthly meetings!



ATTENTION: ASHRAE MEMBERS
The Chapter is now accepting advertisements
in the monthly newsletter.
Sponsorship Rates are as follows:

	Per Issue	Annual (9 issues)
Business Card	\$10.00	\$50.00
Quarter Page	\$25.00	\$200.00
Half Page	\$40.00	\$325.00
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Simple Advertisements Available For FREE!!

EXAMPLE:

Engineering Company-Mechanical Engineer I Position now open
Visit: www.engineeringcompany.com/.careers for more information

- For quarter, half, or full page job advertisements see above for pricing

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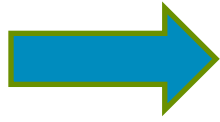
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Issues registering for monthly meetings?



Please contact Katie Leichter @
kleichter@uidaho.edu

Interested in becoming more involved with your local
ASHRAE Chapter? Positions will be opening up soon!

Please contact Russell Pratt
@ russell.pratt@cshqa.com for
more information.





Bring a Guest Month!

*Bring a guest to the September Monthly
ASHRAE Meeting and receive a free raffle ticket!



Denver HVAC Design Training

September 2015

Where: Denver, CO

When: September 14-18th, 2015

- LEVEL I is sold out**
- Level II is still available!**

HVAC Design: Level II—Applications

ASHRAE's HVAC Design: Level II – Applications training provides participants with instruction on HVAC system design. The training is tailored for engineers with advanced experience in the HVAC design field, or those who have completed HVAC Design: Level I - Essentials. Developed by industry-leading professionals, the training provides advanced information that allows practicing engineers and designers an opportunity to expand their exposure to HVAC systems design procedures for a better understanding of system options to save energy.

Who Should Attend?

- Engineers with HVAC design experience (3-10 years)
- Participants who attended the HVAC Design: Level I – Essentials
- Architects who want an in-depth understanding of HVAC design
- Facilities managers involved in new construction or major renovation projects
- Technicians who would like to gain thorough design knowledge
- Construction project managers involved with mechanical systems