

THE HOT AIR DIFFUSER

Chapter Newsletter

APRIL 2016

Volume 22 Issue 8



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APRIL:

2016 ASHRAE Technical Conference

The April 2016 monthly Idaho ASHRAE meeting is the annual Technical Conference. It will be hosted at Oxford Suites located beside Costco off of Overland and Cole Road. Registration and breakfast begin at 7:30 am on April 8th. Registration includes breakfast, lunch, social hour, and 7 possible PDH's. The breakfast group session will include ASHRAE Distinguished Lecturer Dan Int-Hout speaking on his journey in ASHRAE.

The lunch keynote speaker will be Jim Tauby from Mason Industries who is also an ASHRAE Distinguished Lecturer. He will be speaking on Proper Installation Methods Using ASHRAE's "Practical Guide to Seismic Restraint".



Please Register online at:

www.idahoashrae.com

When:

Friday, April 8th, 2016
7:30am to 5:30 pm MST

Where:

Oxford Suites
1426 S. Entertainment Ave.
Boise, ID

MARCH:

HVAC Industry Issues

The March 2016 monthly ASHRAE meeting was hosted at Idaho Power. The focus was a roundtable talk on controls and many of the current issues around interoperability in control systems.

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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HISTORY LESSON

APRIL

Five Years Ago

The chapter president was Carl Marcum. The Technical Conference was held on April 15, 2011, at the Oxford Suites.

Ten Years Ago

The chapter president was Bob Tikker. The meeting was held on April 14, 2006, at the Banner Bank Building. The program was a tour of the Banner Bank Building.

Fifteen Years Ago

The chapter president was Ben Kohler. The meeting was held on April 13, 2001, at the Doubletree Riverside. Bryce Atkinson, Atkinson Electronics Salt Lake City, gave a presentation on the Gateway Project in Salt Lake City. He discussed the temperature controls and refrigeration system for the Salt Lake City Olympic Facility.

Twenty-Five Years Ago

The chapter president was Scott Richardson. The meeting was held on April 12, 1991, at the King's Table Restaurant. Sally Belcher gave a presentation on the Discovery Center, its history, national trends, and how you can get involved.

Thirty Years Ago

The chapter president was Dave Asmus. The meeting was held on April 11, 1986, at the Idaho Power Building. The program was a presentation on electricity co-generation.

NEWS FROM THE HOME OFFICE

US House Passes Bipartisan Bill to Improve Data Center Energy Efficiency

Despite all the political wrangling, energy efficiency is a winning, bipartisan topic of great appeal in Congress. This was on display last Monday when the US House of Representatives voted to unanimously pass the bipartisan Energy Efficient Government Technology Act (H.R.1268). Long-supported by ASHRAE, this bill would, among other things, help increase federal data center energy efficiency.

"Today, the world generates more data in twelve hours than was generated in all of human history prior to 2003," said the bill's leading Democratic sponsor, Congresswoman Anna G. Eshoo (D-CA-18). "This data must be stored and processed at data centers which are the backbone of the 21st century economy but can be highly energy inefficient. My legislation saves the federal government energy and taxpayer dollars by requiring the use of energy efficient and energy saving technologies, specifically in federal data centers. I'm pleased to see this important policy once again pass the House, and I look forward to its swift consideration in the Senate."

To view floor debate of the bill's passage, please go to <http://www.c-span.org/video/?c4584996/house-passage-energy-efficient-government-technology-act>

The text of the Energy Efficient Government Technology Act has wide support in Congress, as it is included in the larger House and Senate energy bills, H.R.8 and S.2012

Semi-Annual Report on DOE Energy Conservation Standards Activities Submitted to Congress

The US Department of Energy (DOE) issued its semi-annual report to Congress, summarizing the Department's energy conservation standards activities. Since its last report, DOE finalized 16 rules and took 20 other related rulemaking actions. Many of these activities have been reported in previous editions of the Government Affairs Update.

The report can be found by going to <http://energy.gov/sites/prod/files/2016/02/f29/2016%20February%20Report%20to%20Congress.pdf>

DOE Proposes Rule on Test Procedure for Commercial Packaged Boilers – Standards 90.1 and 155P Discussed

DOE is proposing to amend the test procedure and applicable definitions for commercial packaged boilers by incorporating by reference certain sections of ANSI/AHRI Standard 1500-2015 Performance Rating of Commercial Space Heating Boilers. DOE also proposes to adopt the minimum pipe insulation thickness and conductivity requirements in Standard 90.1-2013, Table 6.8.3-1. DOE believes these requirements would be more representative of insulation requirements for outlet piping used in most commercial applications.

While the Department considered adopting, when published, Standard 155P Method of Testing for Rating Commercial Space Heating Boiler Systems, as suggested by AHRI and others, DOE will not do so at this time in part due to its statutory deadline to reevaluate the test procedure for commercial packaged boilers no later than July 22, 2016. DOE will monitor developments related to Standard 155P and may consider incorporation of the standard into a future test procedure rulemaking.

Comments on the proposed rule are due to DOE no later than May 31, 2016. The Department will hold a public in-person meeting in Washington, DC that will also be broadcast as a webinar on April 4, 2016. Full information on the rulemaking and meeting can be found by going to

<https://www.federalregister.gov/articles/2016/03/17/2016-05138/energy-conservation-program-for-certain-commercial-and-industrial-equipment-test-procedures-for>

Oklahoma Chapters Host Several Grass-roots Government Events

In January, the Northeastern Oklahoma Chapter hosted OK Secretary of Energy Michael Teague, State Representative David Brumbaugh (who is a long-time ASHRAE member), ASHRAE President-Elect Tim Wentz, and Region VIII GGAC RVC Dan Merkel. This meeting, with 75 in attendance, topped attendance records for the Chapter. Secretary Teague spoke about current energy issues impacting the state and how he, as the first Secretary of that new department, and his staff continue to develop energy policies for Oklahoma. President-Elect Wentz spoke from the Society's perspective on several public policy documents published on the ASHRAE website, namely, the need for improved building efficiency standards and for further science, technology, engineering and math (STEM) education efforts at the state and municipal level. Finally, the Secretary spoke to those issues, and then the floor was opened for questions from the audience.

NEWS FROM THE HOME OFFICE CONTINUED...

Continued...

Additionally, on March 10, the NE OK Chapter and the Central OK Chapter held their second annual "Day on the Hill". Last year's visit was more of an introductory effort, but this year the Chapters targeted specific discussions dating back to last summer when the State of Oklahoma decided to update its building codes from the 2009 IBC. The State actually jumped to the 2015 IBC, IMB, and IPC but did not include the 2015 IEC in that adoption. The State approved the update on November 1, 2015, and Tulsa and Oklahoma City (the two largest cities) adopted them on December 1, 2015. Now with Secretary Teague and Rep. Brumbaugh's help, the Chapters are taking that discussion to the State level. The focus of the legislative meetings was to encourage the legislature to look at the IEC adoption, though this will not be an easy task, given the State's 22% budget shortfall for the coming year. Spending has also been slashed in current year by 7% from budget. However, the Chapters continue to encourage the adoption of the IEC and push back against any attempts to rescind the progress made on the 2015 code update because of concerns of higher construction costs. In fact, the Chapters contend it is during these times where improved building efficiency requirements make a more solid argument in that it reduces annual operating costs.

LaCrosse Area Chapter of ASHRAE Hosted EWeek Event for Area Eighth Graders

Students from two middle schools near the LaCrosse Chapter learned how to write microprocessor instructions to direct a volunteer "robot" to make peanut butter and jelly sandwiches during LaCrosse Area Chapter of ASHRAE activities hosted this week at the Trane Technology Center in LaCrosse for EWeek.

The microprocessor activity, with prizes awarded for the teams with the most complete sandwiches, was one of several activities that the students participated in. During the microprocessor activity, students drafted microprocessor instructions and a volunteer "robot" enacted them exactly as written. Students then had an opportunity to "de-bug" the instructions to enhance their completeness.

The goals of the event were to encourage local middle school students to consider careers in the STEM fields

and teach them about the contributions that engineers make to society. The students also attended a question-and-answer session presented by engineers representing various disciplines and toured the acoustics facility located at Trane. Approximately 130 area eighth graders attended the event from various middle schools. The event was made possible by the support of 40 different volunteers from ASHRAE and IEEE, as well as support from a variety of local companies.

Denver Adopts Newest Energy Efficiency Standards

On March 7, the Denver City Council unanimously adopted the 2015 International Energy Conservation Code (IECC), aligning the city with the latest energy efficiency standards for new buildings. It is anticipated that the new code will make both residential and commercial buildings 25% more energy efficient than under the previous code. The new building code takes full effect in six months. One particular amendment to the code adds an electric vehicle charging station to all new homes, making them EV-ready. For additional information, please go to

https://www.denvergov.org/content/dam/denvergov/Portals/696/documents/BuildingCode/Amendments_DBC-AP.pdf

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. <u>Sponsorship Rates are as follows:</u>		
	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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Visit: www.engineeringcompany.com/.careers for more information

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

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

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.







2016 ASHRAE Idaho Technical Conference
April 8, 2016 Oxford Suites | 1426 S Entertainment Ave | Boise, ID 83709
Member Registration = \$100 Non-Member Registration = \$150

Time	Topic/Activity	
7:30 AM	Registration & Get Breakfast	
8:05 AM	Welcome & Introduction	
8:15 AM	Breakfast Group Session - Dan Int-Hout (Krueger) ASHRAE Distinguished Lecturer One Man's Journey in ASHRAE 1.5 PDH, 1.5 LU/HSW	
9:45 AM	Move to Breakout Sessions	
	Am Breakout Sessions	
	Am Pod 1	Am Pod 2
10:05 AM	Steam- What the Dead Guys Knew and Every Engineer Should Know Speaker: Randy Drake- PE (Engineering Inc.- Boise, ID)	Industry Trends and Technologies in Commercial Refrigeration Speaker: Scott Martin (Hill Phoenix- Conyers, GA)
11:05 AM	Break	Break
11:15 AM	Legionella standard ASHRAE-188, The Effect on Building Owners and Proper Design of Building Water Systems Speaker: Mike Hyde (Clima Tech- Boise, ID)	Connections- Air Distribution for Today's Special Environments Speaker: Dan Int-Hout (Krueger- Dallas, TX) 1.0 PDH, 1.0 LU/HSW
12:15 PM	Get Lunch	
12:35 PM	Lunch Keynote Speaker - Jim Tauby (Mason Industries) ASHRAE Distinguished Lecturer Proper Installation Methods Using ASHRAE's "Practical Guide to Seismic Restraint" 1.5 PDH, 1.5 LU/HSW	
2:05 PM	Move to Breakout Sessions	
	PM Breakout Sessions	
	PM Pod 1	PM Pod 2
2:25 PM	Economic Development Update Chrissy Bowers (Idaho Dept. of Commerce)	Fire/Life Safety for Engineers Speaker: Mark Jelinski (Cator-Ruma Engineers- Denver, CO)
3:25 PM	Break	Break
3:35 PM	Anchoring and Restraint of Rooftop Equipment Speaker: Jim Tauby (Mason Industries- Hauppauge, NY) 1.0 PDH, 1.0 LU/HSW	
4:35 PM	Wrap-up & Social Hour	
5:30 PM	Adjourn	

Thank You to Our Sponsors

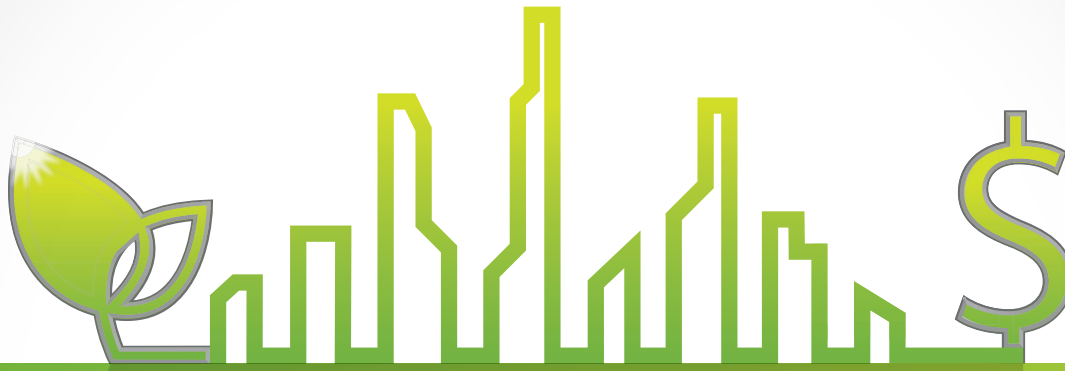


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Krueger
Hill Phoenix

Felts-House
Sabol & Rice
FM Sheet Metal
American Chiller
Control Sentries
Mason Industries





Making Net Zero Net Positive: Solving the Efficiency & Cost Paradox

April 26, 2016 | 11:30–4:00 p.m. MDT

AT CSHQA, 200 W. BROAD ST., BOISE

This webcast will feature industry experts who will define the importance of, and why we should strive for, net zero in the built environment. Viewers will be able to identify behaviors that create more effective ownership, design and construction teams, and will recognize the value of a collaborative process in building design and the impact on costs. With a strong emphasis on real-world applications, the program will also discuss the primary technical and financial challenges in achieving net zero buildings, and where this design approach can best be applied.

Attend this webcast program and you may be awarded three Professional Development Hours (PDHs).



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Fellow ASHRAE,
Life Member, CPMP



Marc Brune, P.E.



Philip Macey, AIA



Paul Torcellini,
Ph.D., P.E.

