President's Message

I sincerely hope that everyone had a great summer and is looking forward to a very active 2015-2016 session of ASHRAE! This year, serving as your ASHRAE president, is a culmination of volunteering in committees and the board of governors for 10 years. I would like to thank our chapters’ past presidents who have created a solid foundation for us to serve, learn, network and enjoy to the fullest the many benefits of our ASHRAE membership.

Updates since last May:

- We were fortunate to have another successful golf outing at Ironhorse Golf Club. Thanks to all who attended and to Aaron Rasell and Kyle Heberly for continuing to plan these awesome outings.
- We had a great showing at this year’s Chapter Regional Conference in Rapid City, SD where we received many awards and recognitions.
- Our student design teams ROCKED the 2015 design challenge and placed in THREE (out of four) competitions!
- Design Calculations Competition - Garrett Johnson, Kristin Hanna, Mark Wilder
- System Selection Competition - Ben MacKenzie, Brianna Brass, Mary Kleinassser, Matthew Easlon, Rachel Obenland
- Applied Engineering Challenge Competition - James (Jim) Butler, James O’Dell

This year promises to be very eventful with a variety of programs, special events and fundraisers already in planning. And our year will culminate in Nebraska hosting the 2016 Chapter Regional Conference! Stay tuned for more information and contact me if you are interested in volunteering for this event that comes to us once every 13 years.

Finally we mourn the passing of Mike Larson in July, a local legend in our industry. Please see the obituary on page 3.

Sincerely,

Tyler Glesne
Nebraska ASHRAE Chapter President 2015-2016

*please note that my contact information has changed. You may reach me at tglesne@ameresco.com

Recent Accomplishments

Golf Fundraiser
- $5,000 for chapter
- $975 for research
- $365 for scholarships

CRC Awards
- Region IX Technology Award—Commercial Buildings—1st Place: Mike Brady and SAC Federal Credit Union
- Membership Promotion Green Ribbon Award (highest online activity): Chris Hawk
- Membership Promotion Red Ribbon Award (2nd place PAOE Points): Chris Hawk
- Chapter Service Awards: Kim Cowman, Sarah Pourshafedi, Renee Meyersick
- Presidential Award of Excellence—Sustainable Activities and Star Award

Recent Accomplishments

Focus on ASHRAE Technology & Membership Education

Volume 57, Issue 1

September 2015

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September Meetings

OMAHA—Geothermal & Heat Recovery Chiller Systems with Jonathan Spreeman
Tuesday, September 8th, 2015
Anthony’s Steakhouse — Choice of Club Sirloin ($21), Chicken Cordon Bleu ($16), or Grilled Salmon ($16)

LINCOLN—Lincoln Electric System’s Generating Portfolio...Now and in the Future with Scott Benson
Wednesday, September 9th, 2015
Valentino’s — Buffet ($13)

Generation resource planning is about as uncertain as it has ever been, but Lincoln Electric System (LES) has made recent changes to their portfolio that they expect to better prepare them for what lies ahead. Hear more about these changes and how they tie in to some of the related challenges facing LES and the rest of the utility industry in the future.

Scott Benson is the Manager of Resource and Transmission Planning at Lincoln Electric System, a position he has held since 2012. His area’s primary responsibilities consist of planning for the utility’s future resource needs, including acquiring and administering renewable energy power purchase agreements and planning transmission system upgrades and additions to serve those resources and the LES service area. Scott graduated from UNL in 1993 with a B.S. in Electrical Engineering, followed by a M.S. degree in Electrical Engineering, also from UNL, in 1996.

For more information or to register for either meeting visit our website www.neashrae.org

Connect with NE ASHRAE

Want to stay connected to what NE ASHRAE is doing? Use the links to the right or look for us on social media today!

You can also join or emailing list by emailing admin@neashrae.org
UNL Architectural Engineering students hit a historic home run in the annual ASHRAE Student Design competitions. The competitions, sponsored by ASHRAE, receive entries for energy-efficient green building designs from all over the world. By taking first place in two categories – “System Selection” and “Design Calculations” – and third place in the “Applied Engineering Challenge,” UNL became the first school to gain top three finishes in three competition categories.

The students worked on their entry as a project in a senior design course taught by David Yuill, Assistant Professor of Architectural Engineering, and industry advisors Joe Hazel of Specialized Engineering Solutions and Daniel Karnes of Lea A. Daly. Yuill, who just finished his first year teaching the course, was a little surprised at the team’s success, especially considering it had more obstacles than some of the other schools in the competition.

“ASHRAE gives you a year to work on the entry, and a lot of universities spend a whole year on it,” Yuill said. “We spend just one semester, in the design course. Some of our strongest competitors are Kansas State and Penn State, who also win quite often. Their undergraduate degree programs run five years and, as such, have fifth-year students with more experience where we have fourth-year students.”

For the Applied Engineering Challenge, ASHRAE asked students to design a portable device that could be used on the construction sites to help heat-afflicted workers. While Qatar builds stadiums in preparation for hosting soccer’s World Cup in 2022, more than 1,200 construction workers have died of heat-related diseases since 2011.

The UNL team of James Butler and James O’Dell took third place for designing a pop-up tent equipped with an air conditioner and a water-cooled vest that can be strapped on a patient to help more quickly cool the core body temperature.

“Some of our strongest competitors...undergraduate programs run five years and, as such, have fifth-year students with more experience where we have fourth-year students.”

-David Yuill

The two first-place teams earned $2,000 each, and all three teams were given all-expenses-paid trips for one team member to the annual ASHRAE conference in Orlando, Fla., in January.
Member Obituary: Michael Larson

Mike was a member of the Nebraska Chapter ASHRAE. He received his BS in Engineering Technology at UNO and his BS in Mechanical Engineering at UNL. He passed away in July.

During his career, Mike worked at Leo A. Daly, Prochaska, Farris and served as Vice President at KRS Engineering. In 2000, he received the ASHRAE Technology Award for his work on the Quality Living East Campus Expansion project. He was a great asset to our industry and a wonderful person to have known and had the opportunity to work with.

He will truly be missed.

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GRASSROOTS GOVERNMENT AFFAIRS COMMITTEE

ACTION ALERT: Protect Standard 90.1 and IECC from Potentially Harmful Effects of Proposed Federal Legislation

Dear ASHRAE Member,


The US House of Representatives is currently developing comprehensive energy legislation that could include language from the Energy Savings and Building Efficiency Act (H.R.1273, commonly known as “Blackburn-Schrader”) that would likely limit the technical assistance that the US Department of Energy (DOE) currently provides, upon request, to ASHRAE, the International Code Council, States, and Indian tribes for the development, adoption, and implementation of Standard 90.1 and the IECC.

This language would also prohibit the Federal government from funding actions by DOE or States to advocate, promote, or discourage the adoption of a particular building energy code, code provision, or energy saving target to a State or Indian tribe; or funding private third parties or non-governmental organizations that engage in this type of advocacy.

This is very broad language that could have far-ranging implications. For instance, DOE could be prohibited from providing funds to ASHRAE Chapters that provide training, education, and related activities to State and local code officials or other policymakers on Standard 90.1.

For your convenience, ASHRAE has provided a suggested letter to send to your US Representative.

Thank you in advance for your time and efforts to protect the development, adoption, and implementation of 90.1 and the IECC.

Sincerely,

David Underwood
ASHRAE President 2015-16

To take action click button or visit https://account.votility.com/enterprise/ASHRAE/ec/126
Earlier this week the US Environmental Protection Agency (EPA) issued its much-anticipated final rule for the Clean Power Plan (CPP). The 1,560-page rule (plus several hundred pages more of supporting documents) is intended to address climate change and improve public health by reducing carbon pollution from existing power plants.

EPA made several changes from what was initially proposed in the draft rule to the final version. One of the biggest changes was the removal of the fourth building block: demand-side energy efficiency. While CPP does not include energy efficiency in the best system of emission reduction (BSER), the final rule does provide states with the flexibility to include demand-side energy efficiency in their state plan strategy through either achieving a rate-based goal or mass-based goal for CO2 emissions reductions. States may also include energy efficiency (and/or renewable energy) measures in a new voluntary Clean Energy Incentive Program (CEIP) created by EPA in the CPP. The CEIP is designed to spur investments in energy efficiency in low-income communities by providing states with extra compliance credit for implementing energy efficiency measures in these communities.

According to an EPA factsheet, by 2030 the CPP will yield several benefits, including:

- 3,600 fewer premature deaths
- 90,000 avoided asthma attacks
- $20 billion in climate benefits
- $12 to $34 billion in health benefits

More information on the CPP can be found [here](#) and [here](#).

## Future meetings
(Topics subject to change)

### Omaha

- **Oct. 13th** Air Flow Measuring Technologies (Tech session to follow) 11:45am Anthony’s
- **Nov. 10th** Construction Law & Contract Language (Joint with MCA) 11:45am Anthony’s
- **Dec. 8th** Project Specific bEQ Submission 11:45am Anthony’s
- **Jan. 12th** Panel Discussion/Round Table: Energy Modeling 11:45am Anthony’s
- **Feb. 9th** ASHRAE Presidential Theme Speech 11:45am Anthony’s
- **Mar. 8th** TBD 11:45am Anthony’s
- **Apr. 12th** ASHRAE Webcast 11:45am Anthony’s
- **May** SAC Federal Credit Union: Project Overview & Tour TBD
- **June** ASHRAE Golf Outing Iron Horse GC

### Lincoln

- **Oct. 14th** Octourfest (West O Prison Central Plant), Happy Hour at Red Fox 12:00pm Valentino’s
- **Nov. 11th** Construction Law & Contract Language 12:00pm Valentino’s
- **Dec. 9th** Project Specific bEQ Submission 12:00pm Valentino’s
- **Jan. 13th** NE State Chief Electrical Inspector 12:00pm Valentino’s
- **Feb. 10th** SAC Federal Credit Union Chilled Beam System 12:00pm Valentino’s
- **Mar. 9th** ASHRAE Presidential Message 12:00pm Valentino’s
- **Apr. 13th** VRV/VRF Round Table 12:00pm Valentino’s
- **May** CRES Tour TBD
- **June** ASHRAE Golf Outing Iron Horse GC

## More Articles

- House Subcommittee Approves Comprehensive Energy Legislation
- Major Step Forward in Unveiling Bipartisan Energy Policy Modernization Act
- Two-Year Extension of Buildings-Related Tax Incentives Approved
- Senate Committee Advances Two Signature Energy Bills
  - Energy Policy Modernization Act
  - Portman-Shaheen
- Extension of Comment Period for DOE Rulemaking on Energy Conservation Standards for Room Air Conditioners
- DOE Activity
  - Issues Final Rule on Energy Conservation Standards for PTACs
  - Announces Appliance Standards and Rulemaking Advisory Committee (ASAPAC) Meetings
  - Proposes Rules on Energy Conservation Standards for Commercial Pre-Rise Spray Valves
  - Request for Information for High-Performance Energy Efficiency Measures in Separate Spaces Issued
  - ASHRAE to Negotiate Proposed Energy Conservation Standards for Equipment Classes of Refrigeration Systems
  - Proposes Rules on Test Procedures for Small, Large and Very Large Air Conditioned Commercial Package Air Conditioning and Heating Equipment

For more articles and article summaries visit [here](#) and [here](#).