

President's Message

Dear Nebraska ASHRAE Members:

I would like to begin the March newsletter by congratulating two of our members: Dr. Josephine Lau and Mr. Timothy Wentz.

Dr. Lau has been voted to be honored with the ASHRAE Distinguished Service Award. This award recognizes ASHRAE members who have served the Society faithfully and with distinction on committees or have otherwise given freely of their time and talent on behalf of the Society. The ASHRAE Distinguished Service Award requires to members achieve 15 service points.

Mr. Wentz has been voted to be honored with the ASHRAE Exceptional Service Award. This award recognizes ASHRAE members who have served the Society with exemplary effort, in excess of that required for the Distinguished Service Award. The ASHRAE Exceptional Service Award requires members to achieve a minimum of 45 service points.

A special presentation will take place at the Society's Annual Conference in Atlanta, Georgia, during the Plenary Session on Saturday, June 27th, 2015. If you see Dr. Lau or Mr. Wentz, please join in congratulating them and thanking them for their dedicated service to ASHRAE.

Speaking of honors and awards, many of our members have served ASHRAE at a level deserving of recognition. It's important for our members to be recognized for their efforts. One requirement for being nominated for an award is to have an up to date ASHRAE Biographical Record. You're able to update your bio by simply logging in at www.ashrae.org and selecting "My Membership." Then, simply click on "Update Your Bio/View or Edit Your Profile." Keeping your ASHRAE Bio up to date is the best way to keep track of your dedication and service to ASHRAE.

This spring members should keep a look out for upcoming information on advertising in our Product Director and updated information on our golf outing. Please contact myself with any questions concerning the chapter or upcoming events.

Sincerely,

Jeff Backemeyer

Nebraska ASHRAE President 2014-2015.

March 2015
Volume 56, Issue 7

Chapter Officers:

President

Jeff Backemeyer

President Elect

Tyler Glesne

Secretary

Jessica Errett

Treasurer

Tom Lewis

Board Ex-Officio

Sarah Poursharafeddin

Omaha Meeting – Tuesday, March 10, 2015

Location: Anthony's Steakhouse, 7220 F Street, Omaha, NE 68127
Check-in: 11:30 a.m. (Please arrive early to facilitate serving meals)
Lunch: To be served prior to 12:00 p.m.
Menu: Club Sirloin **\$21.00**, Chicken Cordon Bleu **\$16.00**, or Grilled Salmon **\$16.00**
Topic: Regulations in the Public Power Industry
Speaker: Russ Baker, OPPD, Manager Environmental and Regulatory Affairs Division

Pre-registration for this meeting would be GREATLY APPRECIATED!!!

Reservation required by Monday, Mar. 9, 2015: Nick Mandel, Specialized Engineering
nmandel@specializedeng.com

Omaha Featured Speaker

Russ Baker, Manager - Environmental and Regulatory Affairs Division
Omaha Public Power District

Educational Background:

Bachelor of Science from Bellevue University in 2001
Master of Arts from Bellevue University in 2005

Employment:

OPPD 1987 – Current

- Manager – Environmental and Regulatory Affairs Division
- Environmental Affairs Administrator
- Business Information Architecture Specialist
- Business Strategy and Analysis
- Chemist at Fort Calhoun Station

1981-1987 - US Navy Nuclear Submarine Service

OPPD Career:

Russ plans, organizes, and directs OPPD's environmental compliance programs and related regulatory matters across the districts nuclear, coal, natural gas, and ever increasing renewable generation fleet. Russ and his team provide air, water, and waster permitting support for projects across the district, collect and analyze environmental data, and submit routine reports to regulatory agencies. He acts as a liaison with regulatory agencies, reviews regulations as they are being promulgated and works closely with other utilities in the State of Nebraska as well as industry groups such as the Nebraska Power Association, Large Public Power Council, American Public Power Association, and Electric Power Research Institute. Russ and his staff provide education on environmental issues and they work closely with operating personnel to ensure compliance with environmental regulations. Russ' has worked at OPPD for 28 years. His career includes working at the Fort Calhoun Nuclear Station, Information Technology Division, Business Strategy and Analyses Division, and Environmental and Regulatory Affairs Division.

Personal:

Russ is married to his wife Dianne. They have two sons and one daughter. Russ and his wife are both from Omaha.

Omaha Future Meetings

Apr. 14 th	Tim Wentz: "Wentziology"	11:45 @ Anthony's
May	Bob Devaney Sports Center Tour	TBD
June 15 th	ASHRAE Golf Outing	Iron Horse GC

Chapter Chairpersons:

Membership Promotion

Chris Hawk
Phillip Prest

Research Promotion

David Kros
Shaun Nienhueser

Student Activities

Kim Cowman

Omaha Programs

Aaron Rasell

Lincoln Programs

Mike Barry

Electronic Communications & Webmaster

Eric Granzow

Historian

Jim Ellis

YEA

Eric Holtmeyer

Reception

Nick Mandel

UNO Student Chapter

Lily Wang

UNL Student Chapter

Tim Wentz

Special Events

Rob Harper

Newsletter

Nick Decker

Librarian

Bill Wieseler



American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

A N I N T E R N A T I O N A L O R G A N I Z A T I O N

Lincoln Meeting – Wednesday, March 11, 2015

Location: Valentino's, 70TH & Van Dorn, Lincoln
Check-in: Noon (Please arrive early to facilitate serving meals)
Lunch: To be served prior to 12:00 p.m.
Menu: Buffet [\\$13.00](#)
Topic: Sustainable Chiller Plants for the Future
Speaker: Jonathan Spreeman, Sales Engineer, Trane

[Pre-registration for this meeting would be GREATLY APPRECIATED!!!](#)

Reservation required by Tuesday Mar. 10, 2015:

Mike Barry, Black Hills Corp
mike.barry@blackhillscorp.com or
402-437-1774

Lincoln Featured Speaker

Jonathan Spreeman is a sales engineer for Trane Nebraska and has been at Trane for 11 years. Previously Jonathan worked for Trane as the Product Support Manager CenTraVac Centrifugal Chillers with the Global Applied Systems Group in La Crosse, Wisconsin. He had worked for the Pueblo and La Crosse chiller groups for 7 years, as well as performing energy studies on the TRACE 700 energy simulation program. Jonathan is a LEED Accredited Professional and holds a BS in Mechanical Engineering from Bradley University in Peoria, IL. He is an active member on several ASHRAE standard and technical committees.

Sustainable Chiller Plants for the Future

When designing chiller plants for long term sustainability we often need to look at more than chiller energy efficiency alone. Energy prices continue to rise and owners and design engineers are looking at ways to become more energy efficient. This presentation will cover different options used today to reduce total chiller plant energy consumption and how to prepare chiller plants for the future. We will look at ice storage, heat recovery, free cooling and control strategies for chiller and chiller plants.

Lincoln Future Meetings

Apr. 8 th	Tim Wentz: "Wentziology"	Noon @ Valentino's
May	Bob Devaney Sports Center Tour	TBD
June 15 th	ASHRAE Golf Outing	Iron Horse GC



American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

A N I N T E R N A T I O N A L O R G A N I Z A T I O N

President Obama to Send FY 2016 Budget Request to Congress

For those of you that revel in federal funding numbers, one of the most exciting seasons is about to begin! On Monday, February 2, President Barack Obama will issue his budget request to Congress for fiscal year 2016, which will lay out both general policy priorities as well as proposed funding for specific federal agency activities and programs. While the President's budget request will unleash a torrent of debate on Capitol Hill and among the private sector, because both the House and Senate are controlled by Republicans, there is little likelihood that the President's preferred funding levels will be enacted. That said, the budget request will act as a powerful force in framing the debate, and serve as a platform for announced and potential Presidential candidates to discuss their visions for the country's future.

Analyses of the President's budget request will be contained in future editions of the *Update*. The President's budget request for fiscal year 2016 will be available on Monday, February 2 at <http://www.whitehouse.gov/omb/budget>.

ASHRAE Issues Action Alert on Educating Tomorrow's Engineers Act

Representatives Paul Tonko (D-NY-20), David McKinley (R-WV-1), Joseph Kennedy (D-MA-4), and Rodney Davis (R-IL-13) are preparing to reintroduce the Educating Tomorrow's Engineers Act (ETEA). As its name implies, this bill would help improve engineering education in elementary and secondary schools. ASHRAE supports ETEA, and because momentum for reauthorizing the Elementary and Secondary Education Act (the nation's core federal law for K-12 education) is increasing on Capitol Hill, and ETEA could be offered as an amendment to this bill, the Society recently issued an action alert to its members through the Grassroots Government Activities Committee ([GGAC](#)) network, encouraging them to contact their U.S. Representatives in support of ETEA.

Specifically, the ETEA aims to increase student achievement and interest in science, technology, engineering, and mathematics (STEM) disciplines and to align K-12 science instruction with the skills needed in the 21st century workforce. To this end, it removes barriers that prevent schools from expanding math and science instruction to include engineering design skills and the full range of STEM disciplines.

This legislation does not create any new duplicative STEM programs. It provides states with the flexibility the tools they need to incorporate engineering education into existing science courses at the elementary and secondary levels, and encourages all states to incorporate STEM skills into their instruction in the ways that best meet the needs of their local workforces in a 21st century economy. The bill would:

1. Ensure that states have the ability to integrate engineering design skills and practices into their existing science standards – without requiring states to establish a separate set of standards specifically for engineering.
2. Give states critically needed flexibility to support engineering curricula by expanding a number of existing Elementary and Secondary Education Act grant programs to include engineering and computer science education.
3. Allow states to award grants to support high quality STEM professional development.
4. Expand current math and science education research to include engineering education.

ASHRAE Scholarship Opportunities



Through its scholarships, ASHRAE seeks to motivate students and prospective students worldwide to pursue an engineering or technology career in the HVAC&R field. The Society's Scholarship Program also serves the public interest by aiding in the education of men and women to become qualified to practice as engineers in HVAC&R. ASHRAE has 28 scholarships available for the 2015-16 school year, for high school seniors entering college through senior undergraduate engineering students and engineering technology students. ASHRAE is seeking your assistance in making student members aware of this financial assistance.

- 8 regional/chapter and university-specific scholarships — \$3,000 to \$5,000 each. **Now accepting applications!**
- 12 undergraduate engineering scholarships — \$3,000 to \$10,000 each. **Now accepting applications!**
- 4 high school senior scholarships — \$3,000 each
- 4 engineering technology scholarships — \$5,000 each

Qualified students are encouraged to apply at www.ashrae.org/scholarships

Annual Application Deadlines:

May 1 for Engineering Technology and High School Senior Scholarships

Scholarships are awarded for the academic year following the application deadline beginning with the fall semester. For a list of available scholarships, complete eligibility requirements, and an application, visit www.ashrae.org/scholarships.

ASHRAE, founded in 1894, is an international organization of 51,000 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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