Dear Nebraska ASHRAE Members,

I hope everyone has had a productive summer and has had a chance to do some relaxing. As the incoming President of the Nebraska Chapter I would like to first thank Sara Poursharafeddin, last year’s President, for all her work and commitment to leading our chapter.

Since we last met in May for a tour of OPPD’s Service Station, a few things have happened:

1. We had a successful golf outing at Ironhorse Golf Club in Ashland, NE. Thank you for all who attended and a special thanks to Aaron Rasell and Kyle Heberly for organizing the event.
2. Many members of our chapter traveled to Wichita, Kansas for the Region IX Chapter Regional Conference (CRC). At CRC we were recognized for our efforts as a chapter last year.
3. The board of directors conducted a chapter planning meeting for this coming year.

This year, ASHRAE Society President Tom Phoenix’s presidential theme is “People, Passion and Performance.” In his address at the summer meeting he first explained that success can be defined as: “If tomorrow you are better than you are today, then you are successful.” Furthermore, he explains that ASHRAE’s greatest asset is its people. People will make time for something they see is valuable.

As a local chapter we need to focus on how to make ASHRAE more valuable to our members. Therefore, I’m asking for input from all of our members to help the Nebraska Chapter provide more value. Please provide me with feedback on the following:

- What additional technical training sessions do you need?
- What keeps you coming to our monthly meetings, or why don’t you make it a priority to attend?
- How can we help with finding new employees or employment opportunities?
- What lunch presentations would you like to see at monthly meetings?

Your feedback will be valuable in directing the Nebraska Chapter’s future efforts. Much like Tom Phoenix mentioned, we need to create an organization that attracts new people and generates a passion to be involved. When we do this our organization will be successful . . . . Better tomorrow than it is today!

I look forward to seeing many of you at our first meeting on September 9, 2014.

Sincerely,

Jeff Backemeyer

Nebraska ASHRAE Chapter President 2014-2015
Omaha Meeting – Tuesday, September 9, 2014

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
Grilled Salmon $16.00

Topic: Trends & Measurements for Data Center Optimization & Future-Proofing
Speaker: Don Beaty, President, DLB Associates

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

Reservation required by Monday, Sep. 8, 2014: Nick Mandel, Specialized Engineering
nmandel@specializedeng.com

Omaha Featured Speaker

Donald L. Beaty started DLB Associates Consulting Engineers in 1980. He received his BS Degree in Engineering from the University of Rhode Island in 1972 and is a registered professional engineer in 45 states.

As the co-founder and the inaugural Chair of ASHRAE Technical Committee 9.9 (mission critical facilities, technology spaces, and electronic equipment), Don has a sincere interest in educating the industry about ASHRAE being an unbiased source for data center cooling material. This interest has resulted in Don publishing over 50 technical papers and articles and presenting over 100 times in 29 countries on the topic of data center cooling. Don currently serves as the International Liaison & Publications Chair for ASHRAE TC 9.9.

Don has also served on ANSI / ASHRAE Standards Committee 90.1 (energy) including as vice chair, Standards Committee 127 (Method for Testing for Rating Computer and Data Processing Room Unitary Air-Conditioners) as secretary, and ASHRAE TC 7.6 (Systems Energy Utilization) and is a major contributor to many data center books (including 10 ASHRAE Special Publication Books). Don is an ASHRAE Fellow and the 2012 recipient of the ASHRAE George B. Hightower Technical Achievement Award in recognition for his TC 9.9 leadership and contribution.

Trends & Measurements for Data Center Optimization & Future-Proofing:

It is time to stop thinking about data center design and operation as a static singular equilibrium and begin to think of it in more ORGANIC terms; a living, breathing organism that changes and adapts to an incredible number of direct and indirect variables across a wide range of industries. A data center design and operation is DATA RICH; a continuous stream of information from multiple sources and every angle. Gathering and assessing the volume of data from an operational data center is both an art and a science. This presentation covers ASHRAE TC9.9’s book “Datacom Equipment Power Trends & Cooling Applications – 2nd Edition” and the ASHRAE TC9.9 / Green Grid joint book “Real Time Energy Consumption Measurements in Data Centers”.

Omaha Future Meetings

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
<th>Time</th>
<th>Location</th>
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<tbody>
<tr>
<td>Oct. 14th</td>
<td>ASHRAE bEQ Benchmarking Program</td>
<td>11:45 @ Anthony’s</td>
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<tr>
<td>Nov 11th</td>
<td>Engineering Case Study</td>
<td>11:45 @ Anthony’s</td>
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<tr>
<td>Dec. 9th</td>
<td>Construction Law (Joint Meeting w/MCA)</td>
<td>11:45 @ Anthony’s</td>
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<tr>
<td>Jan. 13th</td>
<td>“Controls Showdown”</td>
<td>11:45 @ Anthony’s</td>
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<td>Feb. 10th</td>
<td>Daikin, Oil-less Chillers</td>
<td>11:45 @ Anthony’s</td>
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<tr>
<td>Mar. 10th</td>
<td>OPPD: Environmental Regulations</td>
<td>11:45 @ Anthony’s</td>
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<td>Apr. 14th</td>
<td>Tim Wentz: “Wentziology”</td>
<td>11:45 @ Anthony’s</td>
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<tr>
<td>May</td>
<td>Bob Devaney Sports Center Tour</td>
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<td>June 15th</td>
<td>ASHRAE Golf Outing</td>
<td>Iron Horse GC</td>
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Lincoln Meeting – Wednesday, September 10, 2014

Location: West Haymarket District Energy Corporation Central Utility Plant, 550 P Street, Enter through the north door
Time: Tour is 3:30 to 4:40pm with Social Hour to follow. Food and beverages are on your own.
Parking: Parking is on your own. The “Red Parking Garage” just north of the DEC is reasonably priced.
Cost: Entry fee is a raffle ticket purchase, $5 for one ticket or 3 tickets for $10, with one winner receiving eight (8) free Lincoln section ASHRAE meals. Proceeds go to the Nebraska Chapter Scholarship Fund
Topic: Tour of the DEC Central Utility Plant and Social Hour to follow at the Rail Yard Cube at 6th and R street
Speakers: Dan Dixon and Byron Bakenhus, Lincoln Electric System

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

Reservation required by Tuesday Sep. 9, 2014: Mike Barry, Black Hills Corp
mike.barry@blackhills corp.com or 402-437-1774

Lincoln Featured Speaker

Experience all that is great about this new central heating and cooling central plant located in the middle of Lincoln’s new West Haymarket development. This efficient plant provides chilled and hot water to the Pinnacle Bank Arena, The Rail Yard, Canopy Lofts, Hyatt Place Hotel and Hobson Place Condominiums, and the newly occupied Olsson Associates Headquarters. Then share in some fellowship and an exotic cold one from Longwell’s Bar & Grill.

Lincoln Future Meetings

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<tr>
<td>Dec. 10th</td>
<td>Tony Fulton, CNG Maintenance Facilities Codes and Standards</td>
<td>Noon @ Valentino’s</td>
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<tr>
<td>Jan. 14th</td>
<td>Stefan Newbold, UNL Controls and Purchasing Software</td>
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<td>Honeywell Analytics, Gas Evacuation Controls</td>
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- Articles for next month are due by Monday, September 26, 2014
- Please send to:
  Nick Decker
  Olsson Associates
  ndecker@olsson associates.com

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.
HVAC Design: Level I - Essentials

ASHRAE’s HVAC Design: Level I - Essentials provides intensive, practical training for HVAC designers and others involved in delivery of HVAC services. Gain practical skills and knowledge in designing, installing and maintaining HVAC systems that can be put to immediate use. The training provides real-world examples of HVAC systems, including calculations of heating and cooling loads, ventilation and diffuser selection using the newly renovated ASHRAE Headquarters building as a living lab.

HVAC Design: Level II - Applications

ASHRAE’s HVAC Design: Level II – Applications provides advanced instruction on HVAC system design for experienced HVAC designers and those who complete the HVAC Design: Level I – Essentials training. In two days, gain an in-depth look into Standards 55, 62.1, 90.1, and 189.1 and the Advanced Energy Design Guides. Training will focus on a range of topics including: HVAC equipment and systems; energy modeling; designing mechanical spaces; designing a chiller plant; and BAS controls.

Visit www.ashrae.org/hvacdesign to register
ASHRAE Certification Programs

BEMP Practice Exam Now Available
ASHRAE has launched a practice exam for the Building Energy Modeling Professional (BEMP) certification. The practice exam is designed to be similar in content and difficulty to the actual certification exam. It is a low-cost, online tool for limited self-assessment with a score report overview of performance at the end of the exam. Practice exams are already in place for the BEAP, CPMP and HFDP certifications. Practice exams for the HBDP and OPMP certifications are under development and should be launched later this year.

Visit [www.ashrae.org/BEMP](http://www.ashrae.org/BEMP) to learn more about the BEMP practice exam.

Visit [www.ashrae.org/certification](http://www.ashrae.org/certification) to learn more about ASHRAE certifications.

New Publications from ASHRAE

ASHRAE, a leader in building information technology, develops publications that impact every facet of the environment, both indoors and out.

Data Center Design and Operation – ASHRAE Datacom Series CD 4th Ed.
This CD-ROM presents the full text of all eleven ASHRAE Datacom Series publications and Standard 127-2012 in fully searchable and printable PDF format. Authored by ASHRAE Technical Committee 9.9, the Datacom Series provides comprehensive treatment of data center cooling, energy efficiency, and related subjects.

$289 ($246 ASHRAE Member) / CD / 2014

ASHRAE Reference Offers Design Guidance on Healthcare HVAC Systems
The second edition of *HVAC Design Manual for Hospitals and Clinics* provides in-depth design recommendations based on best practices from consulting and hospital engineers, with a focus on presenting what’s different about healthcare HVAC systems.

$129 ($109 ASHRAE Member) / 312 pages / 2013

Visit [www.ashrae.org/bookstore](http://www.ashrae.org/bookstore) to learn more about these and other outstanding ASHRAE publications!