

President's Message

Happy new year, Nebraska ASHRAE Chapter! I trust everyone had a safe holiday season, and are now back, in full swing, solving the world's problems one HVAC system at a time. I joke of course, but the fact is while those in our professional network live and work in comfortable, warm environments, many others throughout our state do not have such luxuries in life. This time of year I am always hearing from colleagues and friends about their community service or donations they are making to help those less fortunate weather this difficult season. Last month, I asked for you to let me know what your ASHRAE new year's resolutions were. Many of you spoke to me about your desire to further your involvement, and I commend you all for your goals, and am confident you will see them through.

This month I would like to know with what other organizations you volunteer and give. Perhaps it's a charity closely connect to the work we do, or even a requirement for your job, but charity none the less. Tell me about the ways you give to our community, do you volunteer at a hospital, soup kitchen, or park? I want to know all the ways our amazing organization reaches out to better our cities after they have finished improving the indoor environments in which we all thrive.

In keeping tradition, I will gladly treat to lunch in exchange for your response. And just to throw a little more fun in the mix, any new committee volunteers who choose to step up and get involved at our first meeting in 2014 will get 10 raffle tickets too!

Looking forward to hearing from you all.

Sincerely,

Sarah Poursharafeddin, MBA, LEED-AP

Nebraska ASHRAE Chapter President, 2013-2014

January 2014
Volume 55, Issue 5

Chapter Officers:

President

Sarah Poursharafeddin

President Elect

Jeff Backemeyer

Secretary

Tyler Glesne

Treasurer

Jessica Errett

1st Board Member

Tom Lewis

2nd Board Member

Mike Barry

Board Ex-Officio

Renee Meyersick

FYI

ASHRAE Indoor Air Quality Guide is now available for free download, see the link below.

<https://www.ashrae.org/resources--publications/bookstore/indoor-air-quality-guide>

Omaha Meeting – Tuesday, January 14th, 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: Lab Exhaust and Pressurization
Speaker: Jim Ellis, Commercial Air Management and Tyler Schilling, Greenheck

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

Reservation required by Monday, Jan 13th, 2014: Nick Mandel, Specialized Engineering
nmandel@specializedeng.com

Omaha Featured Speaker

Topic - Variable Demand/Variable Volume Kitchen Ventilation Systems

Because cooking loads vary throughout the day, kitchen exhaust systems don't need to run at the maximum design CFM 24/7/365. These variable volume ventilation systems monitor and track the cooking operational load and adjust the exhaust and supply ventilation based on the actual cooking occurring in real time. By varying the speed of the fans based on the cooking load, owners save money by operating their kitchen exhaust systems based solely on demand. So, when the cooking load is reduced, the fans operate at a reduced level and save energy, especially heating and cooling.

Owners benefit from:

- *Increase profitability from improved efficiency, energy savings by reducing fan speed, decreased tempering costs and lower power bills
- *Save an estimated \$2 or more per CFM/year from the reduction of design CFM
- *System Payback: Typical payback of 1 to 3 years
- *Ventilation equipment life is extended by soft-starting, therefore reducing stress on belts and bearings
- *Reduced sound levels to improve employee comfort

These systems also meet the IMC code 507.2.1.1 requirement to start fans when cooking operations occur.

Tyler Schilling is an Application Engineer in the Kitchen Ventilation Systems division at Greenheck Fan Corporation. He has a Bachelor's Degree in Electrical Engineering from the University of Wisconsin – Platteville

Future Omaha Chapter Meetings

Feb. 11 th	Commissioning Lessons Learned	11:45 @ Anthony's
Mar. 11 th	Leadership Principles (3-hour tech session)	11:45 @ Anthony's
Apr. 8 th	UNO Student Chapter Meeting	11:45 @ Anthony's
May 14 th	Haymarket DEC/Arena Tour Joint with Omaha, LES	TBD
June 16 th	ASHRAE Golf Outing	Iron Horse

Chapter Chairpersons:

Membership Promotion

Chris Hawk

Research Promotion

Shaun Nienhueser
Matt Sargent

Student Activities

Kim Cowman
Jake Kopocis

Chapter Technology Transfer & Omaha Programs

Aaron Rasell

Lincoln Programs

Mike Barry

E-Commerce

Eric Granzow

Historian

Jim Ellis

Reception

Nick Mandel

UNO Student Chapter

Lily Wang

UNL Student Chapter & Chapter Website

Tim Wentz

Special Events

Rob Harper

Newsletter

Nick Decker

Librarian

Bill Wieseler



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

Lincoln Meeting – Wednesday, January 15th, 2014

Location: NEW 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** **Please note new price!**
Topic: Lab Exhaust and Pressurization
Speaker: Jim Ellis, Commercial Air Management and Tyler Schilling, Greenheck

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

Reservation required by Tuesday Jan 14th, 2014: Mike Barry, Black Hills Corp
mike.barry@blackhillscorp.com

PLEASE NOTE NEW LOCATION ABOVE

Lincoln Featured Speaker

Topic - Variable Demand/Variable Volume Kitchen Ventilation Systems

Because cooking loads vary throughout the day, kitchen exhaust systems don't need to run at the maximum design CFM 24/7/365. These variable volume ventilation systems monitor and track the cooking operational load and adjust the exhaust and supply ventilation based on the actual cooking occurring in real time. By varying the speed of the fans based on the cooking load, owners save money by operating their kitchen exhaust systems based solely on demand. So, when the cooking load is reduced, the fans operate at a reduced level and save energy, especially heating and cooling.

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Future Lincoln Chapter Meetings

Feb. 12 th	ASHRAE President or UNL MESC Students	Noon @ Valentino's
Mar. 12 th	DL, Victor Goldschmidt (3 hour tech session)	Noon @ Valentino's
Apr. 9 th	UNL Controls, Stefan Newbold	Noon @ Valentino's
May 14 th	Haymarket DEC/Arena Tour Joint with Omaha, LES	TBD
June 16 th	ASHRAE Golf Outing	Iron Horse



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

Student Activities Message

Attention ASHRAE Members! Please let us know all the ways you are working with students to help promote engineering. Examples of your volunteer efforts or educational assistance we are looking for include:

- How many student involved activities, mentorships, lectures have you as an ASHRAE Member completed with post high school students.
- How many student involved activities have you as an ASHRAE Member completed or participated in with students in the K-12 age range? Please let us know the student age and activity or event.
- How many student involved activities have you as an ASHRAE Member completed or participated in to specifically promote engineering to girls in the K-12 age range?
- Have you met with other organizations/societies to discuss joint K-12 STEM activities? Let us know what societies and activities were discussed.
- Are you a YEA member that is mentoring a student group or team?
- How many ASHRAE Student Members are currently interning at your place of employment?

This is the time to brag about all the great things our Nebraska Chapter Members do to support local students! Let us know how you are supporting students by emailing our Student Activities Chair, Kim Cowman, at krcowman@leoadaly.com.

LPS Meeting

Professional Services Providers Meeting
LPS 10-Year Facilities/Infrastructure Plan
Jan. 9th, 2014
Lincoln High School Auditorium
2229 "J" Street
Lincoln, NE 68510
3:30 p.m. - 4:30 p.m.

ASHRAE Winter Meeting – Regional Dinner

Carmines
200 West 44th Street
New York NY
212-221-3800

The event will be Monday 1/20/2014 at 8:00 PM. We will leave from the lobby of the Hilton at 7:30. If you are interest in attending send me an e-mail. I will add your name to the signup sheet and will post it in the registration area for anyone else from our region. Alcoholic beverages are on your own.

- Articles for next month are due by Monday, **January 27th, 2014**
- Please send to:

Nick Decker
ndecker@olssonassociates.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.



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