



Central Oklahoma Chapter

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www.ashrae.org
www.ashraecok.org

Sou'Wester

Monthly Newsletter of the Central Oklahoma Chapter



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UPCOMING EVENTS

- February Chapter Meeting
February 4, 11:30am Meeting
3rd Floor Retail Space of 50 Penn Place
ASHRAE bEQ, with Distinguished Lecturer
- February Board of Governors Meeting
February 23rd, 11:30am
Junior's West Oil Center Bldg,
2601 NW Expressway-Basement Level
- March Chapter Meeting
March 4, 6:00pm Meeting
Francis Tuttle—District 21 Kitchen
Refrigeration Tour / Spouse Dinner
- April Chapter Meeting
April 1, 11:30am Meeting
3rd Floor Retail Space of 50 Penn Place
HVLS Fans & ASHRAE 55

Reflections

President's Message

By: Joe Sanders

For those of you that were unable to attend our chapter meeting on January 7th, we were very pleased to honor our past presidents. When preparing for the meeting, I thought it would be nice to mention some of the many accomplishments that these past presidents presided over. First, I was a bit overwhelmed by my research and then I felt a bit of pressure to live up to the standard these leaders have set! A condensed list of accomplishments includes:

- 15 Golden Gavels (Best chapter in Region VIII)
- Eight Distinguished Service Awards
- 13 Regional Award of Merit
- One E.K Campbell Award of Merit Winner
- Two Special Presidential Award of Excellence Citations
- Two Former Director and Regional Chairs
- One Former Society President (Bill Collins)
- One Member of the ASHRAE Hall of Fame (Bill Collins)
- Twice Named #1 Chapter in Society

They have also helped raise hundreds of thousands of dollars for ASHRAE Research and this year it appears that we will surpass 100 total college scholarships awarded in our chapter's history. It is quite a list to live up too, but we have a great team of leaders working to do just that.

We also were pleased to honor two of those past presidents by inducting them into the Central Oklahoma ASHRAE Hall of Fame. John Harrod and Mike Beda not only served our chapter, but served our region, and at a national level. They were the first members inducted by our chapter since the year 2000, which in my mind means it is more difficult to get into than the Baseball Hall of Fame. John is still very active in our chapter, while Mike has since moved to the Tulsa area and is active in the NE Oklahoma Chapter.

Our planning committee has been working hard on reinstituting the annual Spouse's Night, which we haven't held in several years. They have come up with a great location and program that both members and their spouses should enjoy. Spouse's Night will be held at the Francis Tuttle Culinary College's restaurant, District 21. Attendees will enjoy not only a fine meal, but an up close look at the mechanical systems behind the scenes that keep the teaching kitchens up and running. The event will take place on the evening of March 4th, and attendance is limited to 80. Please pre-register on our website.

Finally, our February meeting will be our yearly Distinguished Lecturer. The topic will be ASHRAE bEQ. More details can be seen in our CTTC update later in this newsletter. I look forward to seeing everyone at the meeting!

Joe Sanders

ASHRAE Central Oklahoma Chapter President



Joe Sanders
2014-2015 Chapter President



Belated Christmas Gift for Region VII Historian Message

By: Alan Loeffler

Among the boxes of historical information which Bobby Vermillion saved for our chapter over the years were CRC (Chapter Regional Conference) Reports from the 1970's, 80's and 90's. These reports were not only Central Oklahoma Chapter Reports, but also those from most all Region VIII chapters. Rather than discard them, they were separated out into stacks for each chapter, and sent to the chapter's historian. So 12 historians had a belated Christmas present in a box, courtesy of Central Oklahoma Chapter and Bobby Vermillion. Hopefully, these old reports will give current chapter officers ideas from the past which can be used to improve their chapters and our industry as a whole.



Bobbie Vermillion
Past Chapter Historian

Alan Loeffler

ASHRAE Central Oklahoma Chapter Historian



Processing of old CRC Reports for shipping respective reports to most of Region VIII historians



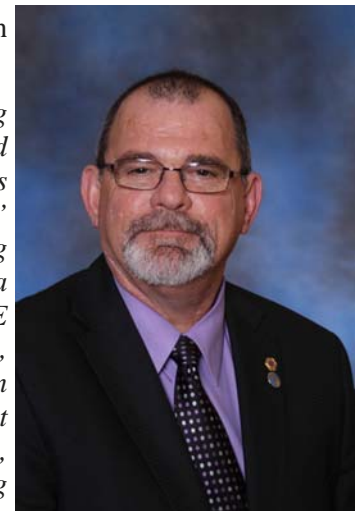
Chapter Technology Transfer (CTT) November Program: Retro-Commissioning

By: Michael Wilson

Well we had our first evening meeting in many years and the turnout was really great. Thank you very much for coming out and special thanks to Keith Reihl for coming in to speak to us about VRF Regulations, Codes, and Standards. With the growing popularity of VRF systems these regulations are going to be more and more important to all of us. If you would like a copy of his slides just let me know and I will send them to you.

For the February chapter meeting, we have the privilege of having a Distinguished Lecturer come in to speak to us about the ASHRAE bEQ program and other energy related topics. The guest speaker will be Ross Montgomery and below is what his presentation will be about.

ASHRAE has a new Building Energy Quotient (bEQ) Energy Labeling Program that officially launched its "In Operation" program in 2012, and launched its "As Designed" rating in 2013. This lecturer is associated with its prime objectives and procedures having performed several "in-Operation" ratings personally, and as its bEQ committee Vice-chairman, as well as being an ASHRAE certified Energy Modeler and Energy Assessor, and a Professional Engineer. This presentation includes an overview of the ASHRAE bEQ program with an up to date discussion of its primary goals, objectives, and procedures. Also highlighted is how to apply bEQ to be utilized in Green Building rating systems, such as LEED and Green Globes. In addition it highlights the related ASHRAE bEQ products and services, such as Standards, Performance Measurement Protocols, Energy Efficiency Guide for Existing Buildings, Energy Audits, and the ASHRAE Certification Program (Energy Modeler and Energy Assessor) that is required in order to execute the ASHRAE bEQ Building Labeling program.



Ross Montgomery
January's Distinguished Lecturer
ASHRAE bEQ

Looking ahead, we are already starting to take reservations for the March evening Spouses Night to tour the Francis Tuttle test kitchens. Be sure to sign up as seats are limited!

If you have any ideas for events, want to get involved, or if you want to sponsor an event please contact me. Michael Wilson can be reached at 405-416-8373 or michael.wilson@guernsey.us.

Social Media Cross-Promotion Information

COK Chapter would like to welcome Madison Schultz as the Social Media Chair. Please help grow these social media connections in this digital age. Please notice some of the social media links have been revised to be more consistent across all platforms. Please look for Madison's post of the latest news, updates, and feeds.

facebook

www.facebook.com/ASHRAECok



[@ashraecok](http://www.instagram.com/ASHRAECok)



<http://www.linkedin.com/groups/ASHRAE-Central-Oklahoma-Chapter-4653796/about>



[@CentralOKASHRAE](https://twitter.com/CentralOKASHRAE)



Governmental Activities

Day on the Hill

By: Byron Hughes

Wednesday February 11th at the State Capital building will hopefully be the first of many opportunities to meet and open up dialog with legislator's about the concerns of energy consumption in the HVAC industry in Oklahoma. The plan is simply to shake hands and deliver ASHRAE material like position papers etc.... directly to the law makers. The main goal for ASHRAE is to provide lawmakers with a source of information that will help them make wise decisions based on industry facts. In consideration of the decisions that may impact the entire state of Oklahoma, the Central Oklahoma Chapter in conjunction with the NE Oklahoma Chapter invite all ASHRAE members to attend this "Day on the Hill". If you are interested or plan on participating in this opportunity at the Capital Building, please RSVP me via email at your earliest at Byron Hughes bhughes@rbakins.com.

Byron Hughes can be reached at 405-947-6502 or bhughes@rbakins.com

GGAC Regional and Chapter Activities

Chicago Releases Data on First Year of Benchmarking

The City of Chicago released its first-ever energy benchmarking report from data collected under the Energy Benchmarking Ordinance. The [*2014 City of Chicago Building Energy Benchmarking Report*](#) finds millions of dollars in savings are possible in the city's largest nonresidential buildings. The findings are based on the first set of benchmarking data from 2013, provided by building owners and managers (or their representatives) who have measured, verified, and reported their energy usage.

The citywide effort included 348 of Chicago's largest buildings, representing 260 million square feet of space and approximately 11% of citywide energy use in buildings. According to the ordinance, municipal and commercial buildings 250,000 square feet and over were required to comply by June 1, 2014; the overall compliance rate was over 90%.

Next year, residential buildings over 250,000 square feet and commercial buildings from 50,000 to 250,000 square feet will be phased in and will benchmark, verify, and report their energy use by June 1, 2015. All buildings that reported in 2014 will benchmark and report by June 1, 2015, but are not required to verify data again until 2017.

Professionals certified by ASHRAE as Building Energy Assessment Professionals (BEAP) were included as approved providers for this new service. Information on this ASHRAE certification can be found at www.ashrae.org/BEAP.

GOVERNMENT AFFAIRS UPDATE

ASHRAE's Government Affairs in 2014: A Year of Many Accomplishments with Much to Look Forward to in 2015

Click [HERE](#) for details



YEA

YEA Success & PE Study Sessions

By: Andy Donehue

For our January YEA event we had a happy hour after the January Chapter meeting. We hosted the happy hour at the Belle Isle Brewery at 50 Penn Place. We had our best turnout yet!! Around 25 people were able to attend the event. YEA members from both our chapter and the Northeastern Chapter, student members, full members, and guests were all in attendance. We had a great time meeting new people and encourage everyone to continue coming to our events. I'd like to thank Mitsubishi for their support in sponsoring the last event.

We are going to start another round of PE study sessions soon so let me know if you are interested in attending or tutoring other YEA members. We will have another event in February so keep a look out for an email from me with the time and the place.

Andy Donehue can be reached at 405-317-0552 or andy.donehue@trane.com.

December Meeting Photos

VRF and Past Presidents Night



ASHRAE Learning Institute 2014 Fall Online Course Series

2 WAYS TO REGISTER

Take 3 or more courses and save 15% off registration!

Internet: www.ashrae.org/onlinecourses

Phone: Call toll-free at 1-800-527-4723 (US and Canada) or 404-636-8400 (worldwide)

Note: You may register up to 24 hours prior to an online course. Courses are in US Eastern Time.

High-Performance Building Design: Applications and Future Trends

Mon, September 8, 2014 – 1:00 pm to 4:00 pm EDT

Air-to-Air Energy Recovery Applications: Best Practices

Wed, September 10, 2014 – 1:00 pm to 4:00 pm EDT

Evaluation Methods for High-Performance Green Buildings

Mon, September 22, 2014 – 1:00 pm to 4:00 pm EDT

Fundamental Requirements of Standard 62.1-2013

Wed, September 24, 2014 – 1:00 pm to 4:00 pm EDT

NEW! Building Demand Response & the Coming Smart Grid

Mon, September 29, 2014 – 1:00 pm to 4:00 pm EDT

District Cooling & Heating Systems: Central Plants

Mon, October 6, 2014 – 1:00 pm to 4:00 pm EDT

Maximizing Customer Benefits Using Key Electric Utility Products

Mon, October 13, 2014 – 1:00 pm to 4:00 pm EDT

Combined Heat & Power: Creating Efficiency through Design & Operations

Mon, October 20, 2014 – 1:00 pm to 4:00 pm EDT

Design of Commercial Ground Source Heat Pumps

Wed, October 22, 2014 – 1:00 pm to 4:00 pm EDT

Energy Efficiency in Data Centers

Mon, November 3, 2014 – 1:00 pm to 4:00 pm EST

Commissioning for High-Performance Buildings

Wed, November 5, 2014 – 1:00 pm to 4:00 pm EST

Exceeding Standard 90.1-2013 to Meet LEED® Requirements

Wed, November 12, 2014 – 1:00 pm to 4:00 pm EST

The following courses are comprised of two parts. Registrants must attend both parts in order to receive CEU/PDH credits.

Complying with Standard 90.1-2013

Part 1 - Mon, September 15, 2014 – 1:00 pm to 4:00 pm EDT

Part 2 - Wed, September 17, 2014 – 1:00 pm to 4:00 pm EDT

Healthcare Facilities: Best Practices for Design & Applications

Part 1 - Wed, October 8, 2014 – 1:00 pm to 4:00 pm EDT

Part 2 - Wed, October 15, 2014 – 1:00 pm to 4:00 pm EDT

HVAC Design Training 2 Courses, 5 Days of Intense Instruction November 2014 – Atlanta, GA

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



Membership Promotion

Mid-Year Push

By: Daniel Brazeale

As we approach the half way mark in the ASHRAE Calendar year I am focused on attracting new members! As I mentioned in the first newsletter there is an endless amount of benefits to joining ASHRAE! Hopefully the majority of you have been able to attend our monthly Technical Sessions. I want to encourage you to send me names of individuals you think would benefit from joining ASHRAE. I want to welcome the following individuals who have joined in the past two months.

Richard Tan, Clark Hibbard, John Hobart Jr., Sam King, Matt Heasley, and Zeyu Xiong!

We welcome each of you and look forward to your involvement.

As always it is important to keep our roster up to date. Please let me know if someone you know has moved out of our chapter, left the industry, or has passed away. Additionally, if you need help registering for membership, renewing your membership or simply want to chat feel free to email or call.

Daniel Brazeale can be reached at 405-464-3677 or dbrazeale@eei-ok.com



Student Activities

OU & OSU Involvement

By: Caleb Spradlin

This month I was encouraged to see 3 students attend both the January ASHRAE chapter meeting and the YEA meeting. 2 of the students were from the University of Oklahoma, with 1 student from Oklahoma Christian University. A few of these students are actively looking for entry level engineering positions or an intern position in the HVAC industry. If you are interested in finding a new engineer for your company, please email me and I will forward you their information.

Currently, we have 8 students planning to attend the winter conference in Chicago, 5 students from Oklahoma State University, and 3 from the University of Oklahoma. We are excited by the amount of students interested in traveling to Chicago to learn more about our industry.

Caleb Spradlin can be reached at 405-463-6570 or cspradlin@tmecorp.com

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 to learn more about the BEMP practice exam.

Visit 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 to learn more about these and other outstanding ASHRAE publications!

Central Oklahoma ASHRAE Rosters

Final rosters will be distributed at December's meeting. Please contact John Semtner for your copy or follow hyperlink below to download.



2014 ASHRAE Roster_FINAL.pdf



Refrigeration

Refrigeration Tour

By: Jason Keyes

One of the many, many responsibilities I have as this year's Refrigeration Chair is to solicit submissions for the Milton W. Garland Commemorative Refrigeration Award for Project Excellence. Projects that fit the award criteria can range from food processing and preservation, to industrial applications, to specialty applications such as those we will see at our tour/spouses night this year. Per our committee reference manual "The award shall be made to both the designer and the owner of a non-comfort cooling refrigeration application that incorporates new technology in a unique manner." I hope that not only our engineer members but our vendors/suppliers/contractors will think about projects they have completed over the past year to see if any qualify for submission. Keep in mind that this award has been received locally in the past, Gary James was a recipient in the 92-93 ASHRAE year. Please contact me with any questions or submission ideas. Additionally I have included a link to the ASHRAE page outlining the award and required forms.

<https://www.ashrae.org/society-groups/committees/milton-w--garland-commemorative-refrigeration-award-for-project-excellence>

Remember March 4th is the date for this year's refrigeration tour and spouses night!

Jason Keyes can be reached at 405-948-1794 or jason.keyes@abscompanies.com



Honor & Awards

COK Chapter Hall of Fame Inductees

By: Tino Mendez

On January 7th at the Past Presidents Meeting we inducted Mike Beda and John Harrod to the Central Oklahoma Chapter Hall of Fame. Their names were added to the award banners for posterity and trophies were presented as an acknowledgement of their distinguished service to our Chapter and ASHRAE. Our thanks to the 56 members and spouses that were able to join us for this celebration.

Tino Mendez can be reached at 405-590-4479 or tinomendez@cox.net





Save these dates:

Oct 1:	50 Penn Place	11:30 AM	Michael Teague on OK's Energy Future
Nov 5:	50 Penn Place	11:30 AM	Ed Tinsley on Retro-Commissioning
Dec 3:	50 Penn Place	11:30 AM	Bruce Pitts on Ethics
Jan 7:	50 Penn Place	6:00 PM	VRF & ASHRAE 15
Feb 4:	50 Penn Place	11:30 AM	Distinguished Lecture on ASHRAE bEQ
Mar 4:	Francis Tuttle	6:00 PM	Tour and Spouse Dinner
Apr 1:	50 Penn Place	11:30 AM	HVLS Fans & ASHRAE 55
May 6:	50 Penn Place	11:30 AM	Psychrometrics

*Register and pay on our website: ashraecok.org

2017 CRC Committees

**We are still looking for CRC committee volunteers.
Please contact John Semtner or Joe Sanders for more information.**

CRC Secretary	Registration	Off Site Events/Marketing
Companions' Activities	Sponsorships	Hotel Coordinator
IT/AV	Tech Sessions	Marketing
Golf Outing	Transportation	VIP Host

Upcoming Meetings and Events

Date	Event	Location	Topic	Presenter
02/04/15	February Meeting	50 Penn Place, 3rd Floor 11:30am Lunch	ASHRAE bEQ Program (New Member Reconignition)	Ross Montgomery (Distinguished Lecturer)
03/04/15	March Meeting	Francis Tuttle Main Campus, 6:00pm	Kitchen Systems (Spouse's Night) Tour & Dinner at District 21 Kitchen	TBD
04/01/15	April Meeting	50 Penn Place, 3rd Floor 11:30am Lunch	HVLS Fans & ASHRAE 55	Barry Warner
05/06/15	May Meeting	50 Penn Place, 3rd Floor 11:30am Lunch	Psychrometrics	TBD

2014-2015 COK CONTACT INFORMATION

	Contact	Company	Phone	Email
<u>OFFICERS:</u>				
President (CRC Delegate)	Joe Sanders	RB Akins Company	(405)947.6502	jsanders@rbakins.com
President Elect (CRC Alternate)	John Semtner	ADG	(405)232.5700	jsemtner@adgokc.com
Secretary	Mark Furgason	Automated Building Systems	(405)947.1794	mark.furgason@abscompanies.com
Treasurer	Stephanie Thomas	TME, Inc	(405)463.6570	stthomas@tme corp.com
<u>BOARD OF GOVERNORS:</u>				
Board of Governors	David Royal	Automated Building Systems	(405)948.1794	david.royal@abscompanies.com
Board of Governors	Rick Marsh	Trade Mechanical	(405)521.1497	rmarsh@trademech.com
Board of Governors	Grant Flurry	Federal Corporation	(405)239.7320	gflurry@federalcorp.com
Board of Governors	Brian Sauer, P.E.	F+S+B	(405)840.2931	bsauer@fsb-ae.com
Board of Governors	Adam Shupe	Burns & McDonnell	(405)200.0306	ashupe@burnsmcd.com
Board of Governors	Michael Wilson	Guernsey US	(405)416.8373	Michael.wilson@guernsey.us
Board of Governors	Daniel Brazeale	Engineered Equipment Inc.	(405)525.7722	dbrazeale@eei-ok.com
Board of Governors	Jason Keyes	Automated Building Systems	(405)948.1794	jason.keyes@abscompanies.com
Board of Governors	Dusty Stoabs, P.E.	Streets, LLC	(405)388.2271	dstoabs@streetsinc.com
<u>COMMITTEE CHAIRS:</u>				
Historian	Alan Loeffler	Federal Corporation	(405)239.7301	aloeffler@federalcorp.com
Research Promotion	Adam Shupe	Burns & McDonnell	(405)200.0306	ashupe@burnsmcd.com
Refrigeration	Jason Keyes	Automated Building Systems	(405)948.1794	jason.keyes@abscompanies.com
Technology Transfer	Michael Wilson	Guernsey	(405)416.8373	michael.wilson@guernsey.us
Governmental Activities	Byron Hughes	RB Akins Company	(405)947.6502	bhughes@rbakins.com
Student Activities	Caleb Spradlin	TME, Inc	(405)463.6570	cspradlin@tme corp.com
YEA	Andy Donehue	Trane	(405)717.7667	andy.donehue@trane.com
Membership Promotion	Daniel Brazeale	Engineered Equipment Inc.	(405)525.7722	dbrazeale@eei-ok.com
Webmaster, Homepage, & Electronic Comm.	David Royal	Automated Building Systems	(405)948.1794	david.royal@abscompanies.com
Honors & Aswards	Tino Mendez	Retired	(405)843.3579	tinomendez@cox.net
Newsletter	Damon McClure	Harrison-Orr Air Conditioning,	(405)520.2492	damonm@harrisonorr.com
Social Media Chair	Madison Schultz	ADG	(405)232.5700	mschultz@adgokc.com