



# Central Oklahoma Chapter

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2014-2015 EDITION

[www.ashrae.org](http://www.ashrae.org)  
[www.ashraecok.org](http://www.ashraecok.org)

## *Sou'Wester*

Monthly Newsletter of the Central Oklahoma Chapter



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### UPCOMING EVENTS

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

## Old and New Approaches

### President's Message

By: Joe Sanders

If you were not familiar with the ASHRAE bEQ program, you should be now. ASHRAE Distinguished Lecture, Mr. Ross Montgomery gave an excellent presentation on the program. I am hoping that armed with this information we learned this month, that some of our engineers will pursue a bEQ rating on future projects. For more information check out the bEQ website [www.buildingenergyquotient.org](http://www.buildingenergyquotient.org).



**Joe Sanders**  
2014-2015 Chapter President

I'm very excited for our next meeting; we are bringing back a popular event, Spouse's Night. With the help of several volunteers, including Chris Dolan, Jason Keyes, John Semtner, and Michael Wilson this reenergized social event should be a great time at District 21 inside Francis Tuttle's teaching kitchen. I'd also like to thank our two sponsors, Temtrol and Halton for helping keep our meeting affordable! Both manufacturers will be on hand to provide tours of the facility specifically relating to their equipment. Space is SOLD OUT and we will not be able to accept walk-ups, we have reached our max of 80 in attendance.

Brian Sauer and Damon McClure have been hard at work putting together our first "Day of Service". On March 7<sup>th</sup>, we will work with the OKC Boathouse Foundation on riverfront rehabilitation. Following the labor, we are invited on a tour of the newest addition to our growing boathouse district, the CHK Central Boathouse. We will be some of the first to get to tour the facility as it is still under construction with it set to be opened to the public in April. Be on the lookout for more information, anyone interested in this public service should contact Brian Sauer, [bsauer@fsb-ae.com](mailto:bsauer@fsb-ae.com).

February 11<sup>th</sup> marked our first "Day on the Hill"; several members from our chapter as well as our friends from the NE Oklahoma chapter spent the afternoon meeting with our state legislators. Our goal was to offer our members as valued consultants on legislation that affects our industry such as unified mechanical code requirements and STEM funding. We have already received some encouraging feedback and will keep our eye on future bills to make sure the interests of our members are represented.

Finally, our big push for Research Promotion donations is upon us; please consider making a personal contribution this year. Each year we are asked to raise a small percentage of what is actually given to our local universities for research, so every dollar you contribute will likely find its way back to Oklahoma. Give online by going to <https://xp20.ashrae.org/secure/researchpromotion/rp.html>

That's all for this month, I look forward to seeing you at our next meeting!

**Joe Sanders**

*ASHRAE Central Oklahoma Chapter President*



## Central Oklahoma Chapter History on Social Media Historian Message

By: Alan Loeffler

Are you on Facebook, Instagram or Twitter? Our chapter's Social Media committee chairperson is Madison Schultz, and she is doing a great job of posting both current newsworthy notes as well as historical information on all three social media sites. If you have not "liked" or marked our chapter on the media sources, go to the following and find us:

[Instagram.com/ashraecok](https://www.instagram.com/ashraecok)

[Facebook.com/ashraecok](https://www.facebook.com/ashraecok)

[Twitter.com/ashraecok](https://twitter.com/ashraecok)

Madison is posting old photographs of chapter activities on Instagram at present. She will also post similar material on the other two sites as time allows. Feel free to make comments to her posts and reply with any old chapter photos, stories, and/or facts.

We also hope to have captions of photographs we have posed on our chapter website. As we do, we will need all chapter members to recognize individuals who appear in the old photographs.

Alan Loeffler

*ASHRAE Central Oklahoma Chapter Historian*

## 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](https://www.facebook.com/ASHRAEcok)



[@ashraecok](https://www.instagram.com/ASHRAEcok)



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



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





## Chapter Technology Transfer (CTT)

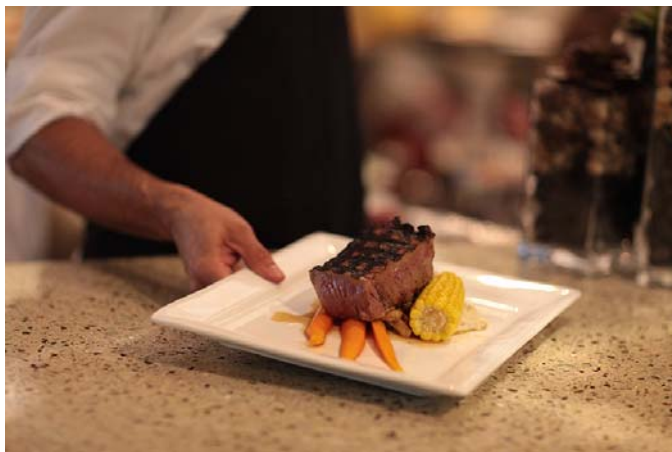
### *March's Program: Spouse's Night at District 21*

By: Michael Wilson

We had a great turnout for our Distinguished Lecturer, Ross Montgomery, at the February meeting. It was a packed house with over 90 people present. Ross spoke on the ASHRAE bEQ (Building Energy Quotient) building rating program and gave a great description on what it is and how it can be applied for "As Designed" and "In Operation" facilities. If you are interested in further information on this just let me know and I will get you in touch with him.

Our March meeting will be at the District 21 restaurant at Francis Tuttle and it is "Spouse's Night". Spade is SOLD OUT. Please arrive no later than 6:00 pm as tours will begin shortly after. The tours will be of the teaching kitchens and the large mechanical room serving it. It should be a great time. Don't forget to check out the YEA article as there is an event to follow.

Looking ahead, our April meeting will be over HVLS Fans and ASHRAE 55. For May, our very own Bruce Albertson will be leading a discussion on Psychometrics. Both events will be at 11:30 am at 50 Penn Place. More information to follow.



Photos  
of [http://](http://www.francistuttle.edu/district21/gallery)

[www.francistuttle.edu/district21/gallery](http://www.francistuttle.edu/district21/gallery)

courtesy

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](mailto:michael.wilson@guernsey.us).



## Governmental Activities

### *Day on the Hill*

By: Byron Hughes

### **Oklahoma Chapters Hold a “Day on the Hill”**

Written by Jim Scarborough, Manager of Grassroots Government Affairs, at [jscarborough@ashrae.org](mailto:jscarborough@ashrae.org)

The Central Oklahoma and Northeastern Oklahoma Chapters of ASHRAE came together on Wednesday, February 11, 2015 to organize and hold the first “Day on the Hill” by Chapters at the state level. Volunteers from the two Chapters spent several hours visiting offices of the state’s 150 legislators, providing information about ASHRAE and raising awareness of the work of the Society. Over the next few weeks, follow up contacts will be made to members of the legislature thanking them for their time.

To plan your Chapter’s “Day on the Hill,” ASHRAE has an online toolkit available at <https://www.ashrae.org/government-affairs/grassroots-government-activities> under “GGAC Toolkits and Presentations”.

Byron Hughes can be reached at 405-947-6502 or [bhughes@rbakins.com](mailto:bhughes@rbakins.com)

## ASHRAE Government Affairs Update, 2/13/2015

### Federal Activities

- House Energy & Commerce Chairman Unveils New Legislative Framework
- Energy Efficiency Improvement Act Reintroduced in House
- Representatives Cartwright, Gibson, Welch Re-Introduce Bipartisan Streamlining Energy Efficiency for Schools Act
- ASHRAE Issues Action Alert on Educating Tomorrow’s Engineers Act
- DOE Issues Pre-NOPR on Energy Conservation Standards for Residential Furnaces
- DOE Seeks Public Comment on Energy Efficiency Standards for Manufactured Housing
- DOE Invites Public Comment on the 2015 Edition of Its Quadrennial Technology Review
- DOE Issues Notice of Proposed Rulemaking on Energy Conservation Standards for Commercial Warm Air Furnaces
- DOE Releases Supplemental Notice of Proposed Rulemaking for Test Procedures for Dehumidifiers

### GGAC Regional and Chapter Activities

- First Engineers Week Proclamation Received
- May Is Building Safety Month
- Legislative Update
- Utah Code Legislation
- California Energy Commission (CEC) Posts New Rules Online for Public Comment
- Oklahoma Chapters Hold a “Day on the Hill”

Please [HERE](#) for more details



## YEA

### YEA March Main Event

By: Andy Donehue

For our February YEA event we had a happy hour at Fassler Hall in midtown. We had 10 people come enjoy the German food and spirits! I'd like to thank Trane and Engineered Equipment for their support in sponsoring the last event. Our next event will be immediately following the Spouse's night on Wednesday, March the 4<sup>th</sup>. We will go to Main Event around 8:15 located on Memorial and Western. Please join us for drinks and games!



Andy Donehue can be reached at 405-317-0552 or [andy.donehue@trane.com](mailto:andy.donehue@trane.com).

## February Meeting Photos

### ASHRAE bEQ & Ross Montgomery

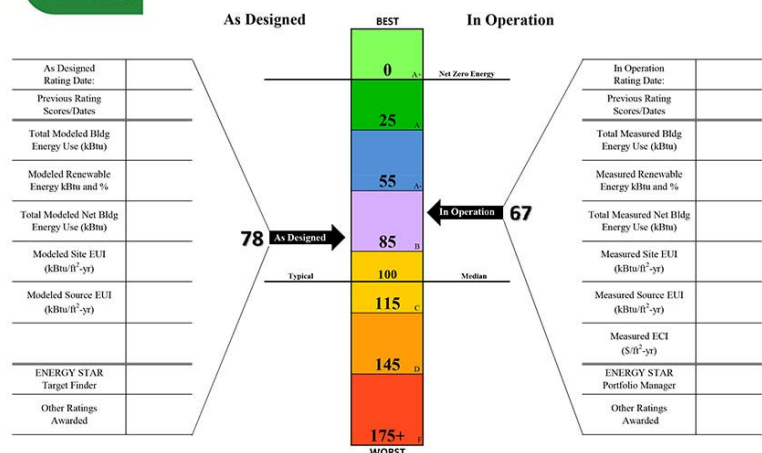
Dashboard photos courtesy of <http://buildingenergyquotient.org>



## Building Energy Quotient Dashboard

EXAMPLE BUILDING:  
000 MAIN STREET  
ANYTOWN, ST 00000

RATED BUILDING TYPE:  
BUILDING GROSS SQUARE FOOTAGE:  
ORIGINAL CONSTRUCTION DATE:  
LATEST MAJOR RENOVATION DATE:



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Updated September 2012







# ASHRAE Region VIII CRC 2015

Fort Worth, Texas | April 23-25

## Come experience the City of Cowboys & Culture!

The 2015 CRC will be held at the historical landmark Downtown Fort Worth Hilton—within walking distance to bustling Sundance Square, Bass Performance Hall, Sid Richardson Museum, Thomas Kinkade gallery, and the President John F. Kennedy Memorial. Come enjoy the western heritage at the Stockyards National Historic District, visit the museums in the Cultural District, and shop and dine in the 35-block Sundance Square.

- ★ Enjoy a round of golf Thursday morning at Hawks Creek Golf Club—just a few minutes from downtown—boasting tree lined fairways and challenging bunkers.
- ★ Many industry leading manufacturers will be exhibiting at the Product Showcase.
- ★ Technical Sessions will include the topics of variable refrigerant flow systems and data center design.

## Companion / Spouse Activities

Thursday, April 23

Enjoy an afternoon at the world-renowned Kimball Art Museum.

Friday, April 24

Take a Ghost Tour through the Historic Fort Worth Stockyards—hear stories about paranormal activities, shoot outs, Stockyards history and much more! Afterwards, take a glimpse in the past with the famous Fort Worth Herd longhorn cattle drive down Main Street, and end the fun with a lunch at one of Fort Worth's legendary restaurants.

Saturday, April 25

Indulge in a culinary experience with a 60 minute demonstration from the Fort Worth Culinary Institute—knife skills, wine pairings, sandwich preparation, sauces, and more!

← ★ →

Fees: \$250 early bird  
\$300 after March 1  
\$150.00 for companions  
\$75.00 for tech sessions only  
Visit our website for more details—

[www.ashrae-ftw.org/crc2015.html](http://www.ashrae-ftw.org/crc2015.html)



ASHRAE Fort Worth  
Chapter

**COK Nominating Committee*****Central Oklahoma Nominations 2015-2016***

By: Brian Garcia

The Nominating Committee has met and will be bringing forward the following people for consideration for officers for the following year.

**Officers for the 2015-16 year:**

President – John Semtner

President Elect – Trapper Wilson

Secretary – Damon McClure

Treasurer – Stephanie Thomas

**Board of Governors:**

Joe Sanders

Dusty Stoabs

Brian Sauer

Jeff Forman

Rick Marsh

Nominations will open later at a meeting for any other candidates. The Nominating Committee is made up of the following members: Bryan Garcia (chair), Grant Flurry, Tino Mendez, Jeff Forman, and John Harrod. We would like to thank the people listed above who have agreed to serve if elected. If you would like to learn more about being an officer in the chapter, please feel free to contact anyone on this committee.

Brian Garcia can be reached at 405-627-8586 or [bdgarcia@trane.com](mailto:bdgarcia@trane.com)

**Student Activities*****OU & OSU in Chicago***

By: Caleb Spradlin

This month ASHRAE held their annual winter conference. We had quite a turn out from our student chapter branches. Six students from Oklahoma State were able to attend, as well as two students from the University of Oklahoma.

Also last month Christian Bach, an assistant professor at OSU, was approved for a grant from ASHRAE titled “Enhancing learning sciences classes with HVAC&R experiments”. This grant is for \$5,000. Christian will be presented with a certificate of approval at our April meeting.

Caleb Spradlin can be reached at 405-463-6570 or [cspradlin@tmecorp.com](mailto: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](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 4<sup>th</sup> 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!

## Central Oklahoma ASHRAE Rosters

Final rosters were distributed at December's meeting. Please contact John Semtner for a hard copy or follow hyperlink below to download.



2014 ASHRAE Roster\_FINAL.pdf



## Refrigeration

### *District 21 Refrigeration Tour*

By: Jason Keyes

This will be the last regular newsletter article before our Refrigeration Tour/Spouses Night Extravaganza the evening of March 4. As of Friday, February 27, two (2) spots are left before hitting our maximum head count of 80. I personally think that is a terrific response and hope that it is a sign of things to come. Schedules are pretty packed these days, between project deadlines and family commitments it can be very difficult to carve out time “after hours” for professional occasions such as this but I think we can all agree one night a year is well worth our time. As I have mentioned before, this occasion gives us a chance to share what we do with our spouses (people to whom we all owe a lot) and to get to know our colleagues in a more social atmosphere. I’m looking forward to a great evening and feel very strongly that we can continue this momentum for many years to come.

Andy Donehue has organized a YEA event following our Francis Tuttle festivities. It will be at Main Event on W. Memorial Rd. Andy has further details, let him know if you would like to attend.

See you all March 4<sup>th</sup>!

Jason Keyes can be reached at 405-948-1794 or [jason.keyes@abscompanies.com](mailto:jason.keyes@abscompanies.com)



## Honor & Awards

### *CRC Chapter & Regional Awards*

By: Tino Mendez

We are getting ready for the CRC in Fort Worth where the Chapter and Regional Awards for this year are presented by the Chapters and approved by the Chapter Delegates in Executive Session.

The Central Oklahoma Chapter has several individuals that should be able to qualify for the Chapter Service Award and the Regional Award of Merit. The individuals that are most likely to satisfy the requirements have been contacted in order to verify their service to ASHRAE through the years.

No one knows their history better than the individuals involved and the best way to record it is to update your BIO at the ASHRAE website, print a copy and send it to me so I can fill out all the forms so that our Delegate and Alternate can present them at the CRC for approval. We are looking forward to recognizing as many of these individuals this year as possible.

Tino Mendez can be reached at 405-590-4479 or [tinomendez@cox.net](mailto: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](http://ashraecok.org)

## 2017 CRC Committees

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

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

## 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
<b><u>OFFICERS:</u></b>				
President (CRC Delegate)	Joe Sanders	RB Akins Company	(405)947.6502	<a href="mailto:jsanders@rbakins.com">jsanders@rbakins.com</a>
President Elect (CRC Alternate)	John Semtner	ADG	(405)232.5700	<a href="mailto:jsemtner@adgokc.com">jsemtner@adgokc.com</a>
Secretary	Mark Furgason	Automated Building Systems	(405)947.1794	<a href="mailto:mark.furgason@abscompanies.com">mark.furgason@abscompanies.com</a>
Treasurer	Stephanie Thomas	TME, Inc	(405)463.6570	<a href="mailto:stthomas@tme corp.com">stthomas@tme corp.com</a>
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Board of Governors	Brian Sauer, P.E.	F+S+B	(405)840.2931	<a href="mailto:bsauer@fsb-ae.com">bsauer@fsb-ae.com</a>
Board of Governors	Adam Shupe	Burns & McDonnell	(405)200.0306	<a href="mailto:ashupe@burnsmcd.com">ashupe@burnsmcd.com</a>
Board of Governors	Michael Wilson	Guernsey US	(405)416.8373	<a href="mailto:Michael.wilson@guernsey.us">Michael.wilson@guernsey.us</a>
Board of Governors	Daniel Brazeale	Engineered Equipment Inc.	(405)525.7722	<a href="mailto:dbrazeale@eei-ok.com">dbrazeale@eei-ok.com</a>
Board of Governors	Jason Keyes	Automated Building Systems	(405)948.1794	<a href="mailto:jason.keyes@abscompanies.com">jason.keyes@abscompanies.com</a>
Board of Governors	Dusty Stoabs, P.E.	Streets, LLC	(405)388.2271	<a href="mailto:dstoabs@streetsinc.com">dstoabs@streetsinc.com</a>
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Historian	Alan Loeffler	Federal Corporation	(405)239.7301	<a href="mailto:aloeffler@federalcorp.com">aloeffler@federalcorp.com</a>
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Membership Promotion	Daniel Brazeale	Engineered Equipment Inc.	(405)525.7722	<a href="mailto:dbrazeale@eei-ok.com">dbrazeale@eei-ok.com</a>
Webmaster, Homepage, & Electronic Comm.	David Royal	Automated Building Systems	(405)948.1794	<a href="mailto:david.royal@abscompanies.com">david.royal@abscompanies.com</a>
Honors & Aswards	Tino Mendez	Retired	(405)843.3579	<a href="mailto:tinomendez@cox.net">tinomendez@cox.net</a>
Newsletter	Damon McClure	Harrison-Orr Air Conditioning,	(405)520.2492	<a href="mailto:damonm@harrisonorr.com">damonm@harrisonorr.com</a>
Social Media Chair	Madison Schultz	ADG	(405)232.5700	<a href="mailto:mschultz@adgokc.com">mschultz@adgokc.com</a>