



TABLE OF CONTENTS

- [President’s Message](#)
- [Chapter Technology Transfer](#)
- [Refrigeration](#)
- [GGAC](#)
- [Membership Promotion](#)
- [Treasurer Report](#)
- [Honors & Awards](#)
- [Research Promotion](#)
- [Student Activities](#)
- [YEA](#)
- [History](#)
- [Social Media](#)
- [Meeting Minutes](#)
- [CRC Information](#)
- [NEOK Season Pass](#)
- [Calendar](#)
- [Chapter Volunteers](#)

UPCOMING EVENTS

- **March 4th:**
Chapter Meeting (11:30 a.m. Lunch) at Tulsa Country Club
- **March 10th:**
Board of Governors (4:00 p.m.) at McNellie’s South City

President’s Message

Welcome!

How familiar are you with your state government? Are you the person that thinks “I am one voice of thousands so what does it matter? Will my input make a difference?” I was that way. I thought politicians are just a different breed that have some self-serving interest to tell the rest of us what to do. I have learned that many politicians are working professionals that are trying to change something in their industry at the state level. They want to have a voice for the profession. That is why they ran for an office position in the state government. Most of them are very concerned about the people of Oklahoma and more importantly the future of this great state.

I know I have talked a lot about the subject this year, but I want you to understand why. The reason why we, NEOK ASHRAE, are advocating to make changes at the state level. Our first mission was to address the IECC. The state has not updated the code since 2006. All of the other International Building Codes have been adopted to a higher standard, but not the IECC. In addition to this, they are in the motion of adopting the more recent standards with the intention of leaving the IECC out again. How does that happen? The simple answer is that the HVAC design profession does not have representation in the code adoption process. The state legislature takes the recommendations from the Oklahoma Uniform Building Code Commission (OUBCC) for adoption of the codes. Here’s the statement from their website: “The mission of the OUBCC is to establish minimum statewide codes affecting or relating to the built environment for the protection of life and property, to be utilized throughout the state, assuring public health, safety, and welfare.”

Two items stand out to me in their mission statement. They speak of the built environment and the minimum statewide codes. In my opinion, those two items contradict each other. I think we should be concerned about the built environment of our buildings. I also think we should be concerned about the energy efficiency standards of the HVAC equipment installed in our buildings.

(continued)



Duane Harman Chapter President



President's Message, continued

The OUBCC currently has an unfilled position for a Licensed Architect. They have one position filled by a mechanical contractor. There are no requirements for a Licensed Engineer with HVAC design experience on the commission. Essentially, the eleven commission members are contractors, city employees and a fire marshal.

What we at NEOK ASHRAE have learned through our GGAC efforts is that the HVAC design industry has very little representation when it comes to building code adoptions. The NEOK and Central Oklahoma ASHRAE chapters are working diligently to change this limited representation at the state level.

This leads me into this year's Region VIII CRC in Houston, Texas on April 22nd through the 24th. It is important to have representation from our local chapter at the CRC. If you would be interested in attending but are uncertain about what happens there, reach out to me and we can discuss the details of our annual CRC. You do not have to be present every day. Most of the real CRC events happen on Friday and Saturday. You might be interested to know that those of us who go tend to throw in a little fun and entertainment while we are there. It is important that we represent NEOK, our Region, and the National Society of ASHRAE. It is through the representation and leadership of the individual members of ASHRAE that we can make changes that impact our profession.

Our chapter meeting is on Wednesday, March 4th at the Tulsa Country Club at 11:30 am. We will be welcoming two individuals, Gene Redford and Norm Asbjornson, into our NEOK ASHRAE Hall of Fame. What an award to receive from the chapter for these two individuals! Our local chapter is recognizing their representation and leadership in ASHRAE and the HVAC industry.

Duane Harman



Duane Harman
2019-2020 Chapter President
DuaneH@aaon.com



CHAPTER TECHNOLOGY TRANSFER

By Matthew Simmons

At our last chapter event we had a lot of fun at our annual dinner banquet and auction. Thank you to all who attended and everyone who donated and contributed. For March we are back to our regular chapter lunch meeting and technical presentation.

This technical presentation will be about variable primary and heat recovery systems. The presenters will be Esther (Esti) Tierney and Bruce Barrett. Esti Tierney has been working in the HVAC industry since 2005 and is currently serving as Manager of Sales & Applications Department at Multistack LLC in Wisconsin. Bruce Barrett Has over 24 years of experience in the HVAC industry, including manufacturing, engineering, Marketing and strategic sales and is currently the Regional Sales Manager for Multistack. This Lunch meeting will be March 4th at 11:30am at Tulsa Country Club (701 N. Union Ave, Tulsa, OK). Please RSVP and bring a guest. Hope to see you there.

Call for Submissions:

If you have applied innovative building design in the areas of occupant comfort, indoor air quality and energy conservation that incorporate ASHRAE standards for Effective energy management and IAQ you should submit your design for the ASHRAE’s annual Technology Award Program. By submitting your design you and your client, if selected, could be Recognized by ASHRAE for your innovative technological concepts. Each year the Society may present awards in six categories:

Commercial Buildings, Institutional building, Health Care Facilities, Industrial Facilities or Processes, Public Assembly, and Residential. If you would like more information on this program please

[visit the ASHRAE website.](#)



Matthew Simmons

918.417.9953

mmsimmons@eda-fki-engineers.com

REFRIGERATION

By Eric Mulliniks

Do you know when we added the “R” for refrigeration to the “HVAC&R” in the ASHRAE world? In this month’s History article from Gene Redford we learn that in 1959 Society merged with the American Society of Refrigeration Engineers to become known as ASHRAE. Previously we were ASH&AE, which stood for American Society of Heating and Air Conditioning Engineers. Of course, refrigeration is a critical component of our industry.

Eric Mulliniks

918.382.6432

ericm@aaon.com



GGAC

By Garen Ewbank

Last week we held another successful “Day on the Hill.” We met up with the Central Oklahoma chapter to spend a few hours at the capitol meeting with legislators. As we have each year, we made more progress on building our presence with our legislators. Our goal was to touch base with each one of our legislators and let them know a little about ASHRAE and how we can assist in providing information on future energy bills/codes, etc. This is a great opportunity to meet with our legislatures and congressman and take a glance at how our system works first hand. Thank you to all who participated!



Garen Ewbank
405.826.8156
gewbank@geotctest.com

MEMBERSHIP PROMOTION

By Eric Mulliniks

Chapter reports show that there has been an increase in local membership. We currently have 206 members, 200 of which are non-student members. I have received several lapsed member notifications and have sent emails prompting these members to renew their memberships.

Our next chapter meeting will be held March 4th. This will be lunch meeting. This would be a great opportunity to invite a colleague or friend and introduce them to our local chapter. We will have two guest speakers present about variable primary and heat recovery systems. It will be a great opportunity to either learn something new or brush up on a familiar subject. Our local chapter will also be presenting the Hall of Fame award to Gene Redford and Norman Asbjornson, CEO and founder of AAON Inc.

We thank you for your membership and encourage you to renew promptly when your membership comes due. If you don't know when your membership renews please take a moment to login to www.ashrae.org and check your membership status and renewal date, and while you are there check your bio to make sure all the information is correct and up to date. This helps our chapter leadership tremendously.

Eric Mulliniks
918.382.6432
ericm@aaon.com



TREASURER REPORT

By Steve Uerling

Our 2020 ASHRAE Research auction was another big success! Our chapter pulled in \$5,020 from auction items, plus another \$285 from wine pull purchases, against a mere \$100 in expenses. A total of 30 items were donated for auction, including homemade desserts, event tickets, gift cards, and electronics; or 31 items if the infamous ASHRAE Handbook lamp is included.

Net Worth — As of 2/29/2020

(Includes unrealized gains)
As of 2/28/2020

Table with 2 columns: Account, February 2020. Rows include Assets (\$72,494.83), Cash (\$45,012.38), Savings (\$27,478.89), Investments (\$3.56), Liabilities (\$0.00), and Net Worth (\$72,494.83).



Steve Uerling
918.836.0271
steve.uerling@leeandbrowne.com



HONORS & AWARDS

By Mike Beda

In 2 months it will be time for the CRC in Houston, Texas. It will be a fun time for all. Please plan to attend. A flyer with CRC information is included later in this newsletter.

I have received 2 submissions for the Chapter Service Award. I will be reviewing the applications and preparing them for our Chapter Delegate, Nolan Chance and Chapter Alternate, Duane Harman, at the CRC on April 23rd. At that time, all the Chapter Delegates will be voting on all the Regional candidates for the ASHRAE 2019-20 year.

If you think you may be eligible for an award, please give me a call.



Mike Beda
918.706.8309
mikebeda1945@yahoo.com

RESEARCH PROMOTION

By Jason Blair

Thanks to everyone who participated in our Research Auction. We are on the home stretch for meeting our yearly research promotion fundraising goal yet again! To support your local chapter, please make donations on the [Society website](#).



Jason Blair
918.232.7654
jblair@harrisonenergy.com



STUDENT ACTIVITIES

By Jacob Koch

Jacob Koch here with a Student Activities update. E-week has come and gone. At the breakfast, I meet the future engineers. The next engineers are savvy, hard-working, and motivated. The E-week breakfast positioned me at a table with several different engineering students. There were two civil, one computer, one industrial, one architectural, and no mechanicals. One person was going through engineering to become a pilot. We talked shop and what to expect in college. They were well prepared and understood the expectations of an engineer. The future of engineering is bright.

On March 6th, 2020, I am giving a presentation representing ASHRAE at Kerr Elementary. I will be speaking for 45 minutes with 70 students. The presentation will consist of how engineers use math in engineering, and I will be discussing the importance of clean air and energy efficiency. If anyone is interested in being part of the presentation, then shoot me an email.

A reminder that there are three scholarships available through NEOK ASHRAE. NEOK college student scholarships are given to two Tulsa area college students each year. Both students will be selected from applications received from either the University of Tulsa, Oklahoma State University-Tulsa, or Oklahoma State University-Okmulgee. The scholarship amounts are \$800 each for two recipients. Also there is a \$1000 scholarship in the name of Tulsa engineer Jack E. Tumilty (Jack E. Tumilty Scholarship) to a Tulsa metropolitan area graduating high school senior who will be entering the study of mechanical engineering at a college of their choice in the fall. The scholarships are awarded yearly at the April NEOK ASHRAE chapter meeting. I will be handing out flyers promoting these scholarships at colleges and high schools. If anyone knows any students that would be a good candidate for the scholarships, then direct them to the NEOK ASHRAE website.



Jacob Koch
918.836.0271
Jacob.Koch@LeeandBrowne.com

YEA

Please welcome Brian Biggerstaff as your new YEA chairman. Brian will share info on future YEA events as they are planned, so contact him if you want to get involved!

Brian Biggerstaff
918.232.7654
bbiggerstaff@eei-ok.com



HISTORY

By Gene Redford

A few engineers, contractors and vendors were instrumental in putting together this chapter in October 1948. There were 25 charter members, and W. R. "Bob" Lee played a pivotal role in forming this chapter, so he was elected President, A. D. Holmes elected Vice-President, Richard Shoemaker was Secretary, and J. Neal Watt was elected Treasurer. Other chapter members included Fred Colbert, E. R. Cooke, C. H. Dollmeyer, Edwin Jones, R. E. Karpanka, Verdie Miles, H. W. Meinholz, James C. Netherton, Bob Pauling, W. C. Rhodes, Frank Thomas and W. R. "Pete" Winget.

Bob Lee became a member of the Society in 1947, and was the building manager of the Beacon Building. Bob was sponsored by Southern Arts Association and served as the chapter President until December 31, 1948, then was re-elected to serve a full term. Bob was a "hard-shell Baptist", no drinking, and in 1952, when Clarence Dollmeyer and the Board of Directors chose to "open the bar," Bob Lee was true to his beliefs and resigned from the chapter.

The early years were hard years, with the membership slowly increasing to 51 members by 1957. Approximate 20-30 members attended meetings, and the meeting locations were difficult to obtain for such a small number of members.

Our chapter moved around the first several years due to prices and meeting arrangements. We held meetings in TU Student Union Center, Power's Restaurant, Sands Restaurant, Danners' Cafeteria, Saratoga Motel, Black Gold Restaurant and the Trade Winds West. In about 1970 and with a membership of 76 the chapter moved to the Financial Club and stayed there until we outgrew the facility. In 1981 our Board of Directors took us to the Candlewood Club with 163 members. We stayed there until they closed their doors around 1998 or 1999.

The chapter was in search of a new meeting place that could accommodate us for a fair price. We moved from hotel to hotel until we found the Bass Pro Shop in Broken Arrow, where we met for several years.

In 1960 Society revised the regions and our chapter went from Region VI to Region VIII. Our first CRC in Region VIII was held in Shreveport, LA, and Dick Herron and Jim Shaw were the chapter delegates. Historically, we were known as ASH & AE, which stood for American Society of Heating and Air Conditioning Engineers. In 1959, Society merged with ASRE (American Society of Refrigeration Engineers), which is where we became known as ASHRAE.

Oklahoma City was the first chapter established in the Southwest in what is now Region VIII. A few years later is when several Texas chapters were formed. This was around 1938, and as the United States moved into the war most of the chapters around the

Continued...



HISTORY (continued)

By Gene Redford

country experienced difficulty in maintaining members. Terms of office sometimes had to be adjusted in order to keep the chapters running.

The Oklahoma Chapter of ASHRAE as it was called in the early years changed their name to Central Oklahoma Chapter a few years after the Northeastern Oklahoma Chapter was chartered so there was no confusion.

The two Oklahoma chapters held many joint meetings until around 1981. Back then, both chapters were small enough that each chapter could charter a bus or two and make a trip to each city every other year. As the two chapters grew in numbers it made it more difficult to have the joint meetings. There were lots of fun trips with each chapter president challenging the other on how many they would bring to the meetings, with the loser getting a pie in the face or having their tie cut off.

Jack Tumilty started the Oil Capital Air in 1958, and it has been published every year since and won several Region VIII newsletter awards.



Our annual golf and picnic started off in 1969 at the Rolling Hills Country Club, now known as Cherokee Casino. The first official golf tournament with trophies was held in LaFortune Park in September 1974. Sid Simon was the first member coordinating these events for many years to follow. There was a picnic with Bar-B-Que that followed. This event is still going strong today with approximate 100 golfers each year.

Gene Redford
918.346.0444
qredbird@yahoo.com

SOCIAL MEDIA

As Electronic Communications Chair, Matt Petersen manages our chapter website and social media. In the past month, he has added the Hall of Fame to our website and made a page for our 2020 newsletters. Whenever you take photos of chapter meetings or special events, please email them to Matt so that he can share them on our social media.

Matt Petersen
918.282.7731
petersenmatthewe@gmail.com



MEETING MINUTES

By Keith Averitt

Recording of Minutes

Chapter: Northeastern Oklahoma Chapter 069

Meeting Date: February 18, 2020

Meeting: February 2020 BOG

Compiled By: Keith Averitt

Attendance:

Attendees: Keith Averitt, Steve Johnson, Brian Biggerstaff, Ray Gomez, Duane Harman, Mike Beda, Steve Uerling, Matt Petersen, Dan Owens, Pam Dunlap, Jason Blair, Jacob Koch

The NEOK March BOG Meeting was held at McNellies South. Chapter President Duane Harman called the meeting to order at 4:04 PM.

Special Thanks: Thank you to AAON for sponsoring appetizers and drinks.

President: Duane Harman

- Mentioned CRC in April in Houston and encouraged everyone to attend
- Steve Johnson made motion to replenish funds in the amount of \$300 for the monthly meeting jackpot out of general funds (Gene Redford’s car was broken into and the money was taken). Mike Beda seconded motion, motion passed.
- Duane suggested moving ASHRAE Auction up one week to avoid various school holidays

President Elect: No update

CRC Action/PAOE: CRC is in Houston from April 23-26

Newsletter: No update

Treasurer: .

- Steve Uerling provided Net Worth Report from ASHRAE Auction & Wine Pull in the amount of \$5,290
- Steve will provide chapter finalized financials for auction in next newsletter

Secretary: No update

Attendance/Reception: Pam Dunlap

- Attendance for February auction meeting was 30

CTT Chapter Programs: Matt Simmons

- No update

Honors and Awards: Mike Beda

- Mike Beda made a motion for 2 names for 2020 Hall of Fame award – Gene Redford and Norm Asbjornson. Keith Averitt seconded the motion. Motion passed. Will be presenting this award at March meeting
- Mike Beda has 2 candidates for chapter service award to be presented to delegates at CRC. Matt Petersen will be receiving chapter service award.

Membership Promotion: Erik Mulliniks

- No update

Research Promotion: Jason Blair

- Will meet our goals for this year
- Last fundraiser is shooting event in May, need to reach out to ASPE members to join

Student Activities: Jacob Koch

- E week is this week, breakfast on 2/21

(continued...)



MEETING MINUTES

By Keith Averitt

Special Events: No update

Sustainability: No update

Publicity/Social Media: Matt Peterson

- Need to “friend” NEOK ASHRAE on Facebook
- Added Hall of Fame to website, plus 2020 calendar link

Webmaster/ECC: Matt Petersen

- Matt Petersen requested any pics of meetings be sent to him

YEA: Jason Blair/Brian Biggerstaff

- March 3 YEA Oilers hockey game
- Brian Biggerstaff will be assuming YEA responsibilities from Jason

K-STEM: No update

GGAC: Garen Ewbank

- Send email to Duane if interested in going to Day on the Hill

New Business: none

Meeting was adjourned at 4:56 pm.



Keith Averitt
918-624-1005
kaveritt@eei-ok.com



ASHRAE® REGION VIII

Register now: CRC April 23-25 in Houston

See the CRC flyer on the next page of this newsletter.

More details and links to register for CRC and book your hotel room are available on the [Houston Chapter’s website](#).



Tulsa, Oklahoma

Newsletter of the NEOK Chapter of ASHRAE Region VIII

www.ashrae.org | www.ashrae-neok.org

Vol. LX | Issue 7 |

Mar. 2020

ASHRAE REGION VIII CRC Houston 2020 April 23rd to 25th, 2020
HVAC&R Industry Pilot Historical Milestone Plaque Presentation April 26th, 2020
Houston Chapter ASHRAE Sponsoring Entity 2019-20
First Presbyterian Church 902 West Green Ave, Orange, Texas 77630



First Presbyterian Church



ASHRAE 125th Anniversary, HVAC&R Industry Pilot Historical Milestone Plaque Presentation April 26th, 2020
Houston Chapter ASHRAE Sponsoring Entity 2019-20
First Presbyterian Church 902 West Green Ave, Orange, Texas 77630



Standard Guest Rooms King Bed or Standard Dual Queen Bed \$169.00/Night + Sales Tax and Use Tax

Houston CityPlace Marriott
@ Springwoods Village,
1200 Lake Plaza Drive,
Spring, TX, 77389

Hotel Registration Opens December 1, 2019
Hotel Registration Closes April 21, 2020
Room Rates Available April 22 to 25, 2020
Early Bird CRC Registration Deadline Ends
February 29, 2020 to take Early Bird Discount



Early Bird CRC Registration (2/29/20) \$410.00
CRC Registration (3/01/20 on) \$460.00
WIA or YEA Registration (Only) \$310.00
Seminar/CRC Training (3/25/19 Only) \$100.00
Registration Golf Tournament or
100Trap Skeet Shoot \$150.00
Spouse's Registration \$200.00
Presentation of the ASHRAE 125th
Anniversary Historical Milestone Plaque
Presbyterian Church of Orange, Texas Free

Welcome Party, CRC Restaurant Dine Around, CRC Spouses Tour & CRC Technical Tour are included in the overall CRC 2020 Houston Registration Cost



NEOK Season Pass Order Form

<u>Option</u>	<u>Name / Firm</u>	<u>Qty</u>	<u>Price</u>	<u>Total Price</u>
Individual Booster Ticket			@ \$175	\$
Corporate Booster Ticket			@ \$200	\$
Corporate Booster Meals			@ \$25	\$
Student Booster Ticket			@ \$175*	\$
Student Booster Meals			@ \$25*	\$
Total Paid:				\$

* Tax deductible donation for the benefit of the Chapter

Company Name: _____ Contact Person: _____

Street Address: _____ Phone Number: _____

City, State, Zip: _____ Email Address: _____

Make checks payable to: NEOK ASHRAE

Mail checks to: NEOK ASHRAE
PO Box 52746
Tulsa, OK 74152



2019/2020 Calendar of Events

Important Dates

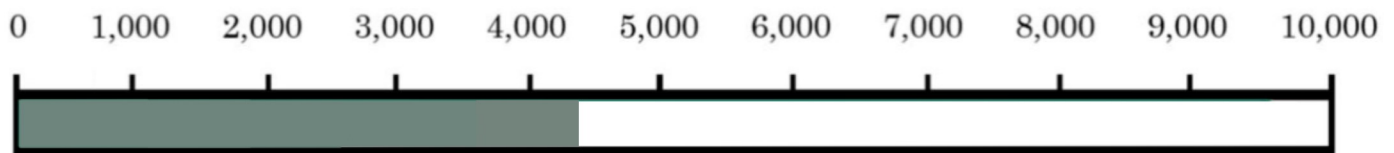
Meeting

Location

September 11, 2019	Golf Tournament	LaFortune Golf Course
September 19, 2019	Board of Governors	McNellie's South City
October 2, 2019	Chapter Meeting (Lunch)	Tulsa Country Club
October 10, 2019	Board of Governors	McNellie's South City
November 6, 2019	Chapter Meeting (Lunch)	Tulsa Country Club
November 19, 2019	Board of Governors	McNellie's South City
December 4, 2019	Chapter Meeting (Lunch)	Tulsa Country Club
December 10, 2019	Board of Governors	McNellie's South City
January 15, 2020	Chapter Meeting (Lunch)	Tulsa Country Club
January 21, 2020	Board of Governors	McNellie's South City
February 13, 2019	Chapter Meeting (Dinner)	Tulsa Country Club
February 18, 2020	Board of Governors	McNellie's South City
February 1-5, 2020	ASHRAE Winter Conference	Orlando, Florida
March 4, 2020	Chapter Meeting (Lunch)	Tulsa Country Club
March 10, 2020	Board of Governors	McNellie's South City
April 1, 2020	Chapter Meeting (Lunch)	Tulsa Country Club
April 7, 2020	Board of Governors	McNellie's South City
April 23-25, 2020	CRC	Houston, Texas
May 6, 2020	Chapter Meeting (Lunch)	Tulsa Country Club
May 12, 2020	Board of Governors	McNellie's South City
June 27-July 1, 2020	ASHRAE Annual Conference	Austin, Texas

Check back in each subsequent newsletter as new events will be added as they are scheduled.

2019/2020 NEOK PAOE Points





2019/2020 Chapter Volunteers

Officers

President	Duane Harman	918-382-6173	duaneh@aaon.com
President Elect	Claire Farr	918-279-6450	cfarr@es2ok.com
Treasurer	Steve Uerling	918-836-0271	steve.uerling@leeandbrowne.com
Secretary	Keith Averitt	918-624-1005	kaveritt@eei-ok.com

Board of Governors

BOG	Brian Biggerstaff	918-219-4030	bbiggerstaff@eei-ok.com
BOG	Dan Owens	918-270-1414	owens.d@mcintoshok.com
BOG	Ray Gomez	918-584-0102	gomez@phillipsgomez.com
BOG	Mike Beda	918-706-8309	mikebeda1945@yahoo.com
BOG	Steve Johnson	918-935-1266	sjohnson@ocem.us.com

Committee Chairs

CRC Delegate	Nolan Chance	918-877-6000	nolanc@midwestmachinery.net
CRC Alternate	Duane Harman	918-382-6173	duaneh@aaon.com
Attendance/Reception	Pam Dunlap	918-587-4747	pbdunlap@matrixae.com
Audit	Chad Smith	918-665-6600	chad@airetechcorp.com
CTT/Programs	Matt Simmons	918-258-6890	msimmons@eda-fki-engineers.com
GGAC	Garen N. Ewbank	405-826-8156	gewbank@geotctest.com
Historian	Gene L. Redford	918-346-0444	glredbird@yahoo.com
Honors & Awards	Mike Beda	918-706-8309	mikebeda1945@yahoo.com
Invocations	David Lam	918-250-5590	david.lam@omnimechanical.net
K-12 STEM	Cheyenne Reynolds	918-224-6560	creynolds@sapulpaps.org
Membership Promotion	Eric Mulliniks	918-382-6432	ericm@aaon.com
Newsletter	Claire Farr	918-279-6450	cfarr@es2ok.com
Nominating	Joel Karsetter	918-665-3974	jkarsetter@abscompanies.com
Publicity / Social Media	Matt Petersen	918-282-7731	petersenmatthewe@gmail.com
Refrigeration	Eric Mulliniks	918-382-6432	ericm@aaon.com
Research Promotion	Jason Blair	918-232-7654	jblair@harrisonenergy.com
Special Events Co-Chair	Duane Harman	918-382-6173	duaneh@aaon.com
Special Events Co-Chair	Ryan Dunkerson	918-430-6793	rdunkerson@es2ok.com
Student Activities	Jacob Koch	918-836-0271	Jacob.Koch@Leeandbrowne.com
Sustainability	Stephanie Shaulis	918-858-4942	sshaulis@thgenergy.com
Webmaster/ECC	Matt Petersen	918-282-7731	petersenmatthewe@gmail.com
YEA	Brian Biggerstaff	918-624-1005	bbiggerstaff@eei-ok.com

This newsletter describes the activities of ASHRAE Chapter 069 of the American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc. (ASHRAE).

It does not present official positions of the Society nor reflect Society policy.

ASHRAE is not responsible for this content. ©1999 - 2016, ASHRAE Chapter 069 Northeastern Oklahoma