



CRC Chapter Summary Report 2022-2023

Chapter President Jon Wilmore

April 23rd, 2023



I want to start by stating how great the volunteers for the ASHRAE Central Oklahoma Chapter were this year! I was very fortunate to have such a diverse group of people that had great ideas and were willing to put the time in to see those ideas become reality.

Starting with our Chapter Officers, Caleb Spradlin, Scott Sanders, Stephanie Thomas, and Michael Halcomb. All four either own/co-own their own business or are in charge of their office, so these folks know how to run an organization and know what it takes to make it successful. More importantly, they know how to be great leaders and it showed in the Central Oklahoma ASHRAE chapter this past year.



Our Board of Governors were at nearly every BOG meeting and every one of them also held a chair or co-chair position at the chapter or regional level this past year. They were involved and active which made the meetings fun for all of us present.

The committee chairs and co-chairs this year add up to be the largest group of chair/co-chair members I remember seeing in our chapter. Many of these individuals were volunteering to help our chapter out for the very first time, 11 total. There was a big learning curve for a lot of us, but we came together and had a very fun and successful year.

Chapter Officers:

President - Jon Wilmore

Vice-President - Caleb Spradlin

President Elect - Scott Sanders

Treasurer - Stephanie Thomas

Secretary - Michael Halcomb

Board of Governors:

Jessica Fitzpatrick

Josh Arnett

Caleb Deck

Chris Dolan

Will Thompson

Committee Chairs:

Chapter Technology Transfer Committee(CTTC)	Heather Martin	Chair
	Kale Harper	Co-Chair
Refrigeration	John Dale	Chair
Historian	Dusty Stoabs	Chair
Honors & Awards	John Harrod	Chair
	Tino Mendez	Chair
Membership Promotion	Jessee Gentling	Chair
	Ryan Sutton	Co-Chair
Research Promotion	Anson Brady	Chair
	Andy Donahue	Co-Chair
	Zachary Childers	Co-Chair
	Ross Myles	Co-Chair
Special Events	Michele Lefebvre	Chair
	Will Thompson	Co-Chair
	Walter Pendleton	Co-Chair
Student Activities	Michael Akins	Chair
	Robert Smith	Co-Chair
	Austin Jones	Co-Chair
	Aruna Abhayagoonawardhana	Co-Chair
Newsletter	Austin Fulmer	Chair
Sustainability	Adam Fitzpatrick	Chair
	Aadarsh Bhetuwal	Co-Chair
Government Affairs	Jeff Forman	Chair
	Caleb Deck	Co-Chair
	Byron Hughes	Co-Chair
Social Media	Jessica Fitzpatrick	Chair
	Lauren Moriarty	Co-Chair

Diversity in ASHRAE	Lauren Moriarty	Chair
	Jessica Fitzpatrick	Co-Chair
Electric Communications	Josh Arnett	Chair
Young Engineers in ASHRAE	Tanner Jones	Chair
	Aaron Gooden	Co-Chair

Chapter Problems

- Involvement from consulting engineers
- Presentations that aren't from a manufacturer
- Annual agenda has become routine

Getting consulting engineers involved was a big focus entering the 2022-2023 year. Our chapter had become very rep heavy over the last several years and we wanted to reach out to find out why. A couple of us reached out to a few engineering firms to find out what we could do to get them more involved. After a few discussions, we found that many of the engineers in these offices are in their first few years in the industry and they need training. We did a few things to help these businesses out and to help us get the Young Engineers in ASHRAE. We created short technical presentations before our YEA events, including a presentation on controls sequences from our President Elect and a presentation on Decarbonization from one of our YEA members (also a BOG member & Government Affairs Co-Chair; oh ya and a first time volunteer). We also reduced the lunch cost for YEA members to help the firms that cover the cost of their lunches out.

One of the requests I had going in to this year was to get **presentations that were not given by a manufacturer**. This was a difficult task to do without a budget to pay speakers to come present for us. We were able to get two Distinguished Lecturers, a load modeling software presentation, an Engineering Ethics presentation from an Engineer on the Oklahoma State Board, an IAQ presentation, and we are going to end the year with a Panel Discussion from the design group, the construction team, and the building owner of a large project that just opened in downtown Okc.



Last but certainly not least, my biggest focus this year was on the problem that our **annual agenda had become routine**. So this year I wanted to do some activities that haven't been done before. First was one of the largest events that our chapter has put together outside of the CRC. We put together the first ever **Oklahoma HVAC and Plumbing Expo**. We hosted it at the brand new Oklahoma Convention Center, had 100 booths from a variety of manufacturers, had a dozen technical presentations including several from our local Student ASHRAE Members, got over 600 people to attend, gave away dozens of great prizes at the happy hour event at the end of the day, and raised nearly \$40,000 which we split with the local ASPE Chapter. It was a huge success and we decided to share the event with the NEOK chapter every other year. The next event I wanted to do was a **NCAA Bracket Style Cornhole Tournament**. This was the second largest event of the year, next to the Expo, with over 200 people in attendance. We rented out a section of Chicken N Pickle which included food, drinks, and a very large outdoor playing area. We had 64 teams competing, had several manufacturers set up booths around the playing area, made custom boards with company logos on them that we used for our matches.

Chapter Innovations

- Oklahoma HVAC and Plumbing Expo
- Cornhole Tournament
- “Take it out on the reps”
- HVAC Magicians
- Panel Discussions

I covered the Expo and Cornhole Tournament above but wanted to mention that both events are great for raising money and a ton of fun for members.

Take it out on the reps was an event that was created by our Special Events Committee where we took pictures of three reps in our market, created a life size poster of each one of them, placed them in the driving range, and paid money to hit golf balls at them. The process of getting photos was so much fun and the photos the we ended up with were amazing.



The event raised a lot of money and everyone had a great time trying to hit their favorite rep or taking it out on their least



favorite, either way we gave a prize to the person that was hit most often.

Next year we will be doing “Take it out on the Contractor”.



The **HVAC Magicians Podcast** is a podcast put together by our Social Media Chair, Jess Fitzpatrick, in which she interviews people in our industry. She interviews everyone from equipment reps, contractors, building owners, University Professors, engineers, and more. She has released a new interview each month and they are all amazing. You can find our podcast on Spotify, Apple Music, etc., just search for HVAC Magicians.

The last innovation our chapter has done is a **Panel Discussion** for our chapter meeting. This year we are getting members from the design team, the construction team, an owner representative, and an equipment rep on a very large project that just opened in downtown Okc. They are going to discuss their lessons learned on the project and answer questions from the chapter members in attendance.



2022-2023 ASHRAE CRC CHAPTER SUMMARY REPORT

REGION	VIII	CHAPTER WEBSITE: ASHRAECOK.ORG		
CRC LOCATION	MONTERREY			
CHAPTER	CENTRAL OKLAHOMA			
CHAPTER NUMBER	068			
1. MEMBERSHIP PROMOTION		YTD/REPORTED	REPORTED	REPORTED
		2022-2023	2021-2022	2020-2021
NUMBER OF AREA-ASSIGNED MEMBERS (AAM)		289	255	277
NUMBER OF CHAPTER DUES PAYING MEMBERS (CDPM)		120	172	148
NUMBER OF NEW MEMBERS TO DATE (AAM)		22	13	17
NUMBER OF MEMBERS DELINQUENT TO DATE (AAM)		18	17	21
2. STUDENT ACTIVITIES				
NUMBER OF NEW STUDENT MEMBERS		10	12	12
NUMBER OF ACTIVE STUDENT BRANCHES		2	2	2
3. CHAPTER TECHNOLOGY TRANSFER				
NUMBER OF REGULAR MONTHLY MEETINGS WITH TECH PROGRAM		8	8	8
MONTHLY MEETING ATTENDANCE (TOTAL/AVERAGE)		303/43	262/37	296/37
NUMBER OF SEMINARS, ALI COURSES, TOURS OR OTHER TECHNICAL PROGRAMS OUTSIDE REGULAR MONTHLY MEETING		24	3	3
NUMBER OF TECHNICAL PROGRAMS ON REFRIGERATION TECHNOLOGY		4	2	2

NUMBER OF SOCIAL EVENTS SEPARATE FROM A TECHNICAL PROGRAM (I.E. GOLF, MEMBER'S NIGHT OUT, ETC.)	8	5	5
NUMBER OF TECHNOLOGY AWARD SUBMITTALS TO CHAPTER/REGION	0	0	0
4. RESEARCH PROMOTION/FUNDRAISING			
CHAPTER GOAL	42,000	25,000	25,000
TOTAL DOLLARS CONTRIBUTED	26,000	23,125	26,931
5. GOVERNMENT AFFAIRS			
LIST THE CHAPTER GOALS AND GRASSROOTS ADVOCACY OF THE PAST YEAR (USE SEPARATE PAGE)	SEE BELOW		
INFORMATION THAT MAY BE INCLUDED: HOLDING COMBINED CHAPTER MEETINGS WITH OTHER ORGANIZATIONS TO DISCUSS HVAC&R, VISITING ELECTED/APPOINTED OFFICIALS, HOLDING A "DAY ON THE HILL," INVITING ELECTED/APPOINTED OFFICIALS TO SPEAK AT CHAPTER MEETINGS			
SEEKING PROCLAMATIONS FROM GOVERNORS, MAYORS AND OTHER ELECTED OFFICIALS FOR NATIONAL ENGINEERS WEEK (E-WEEK)			
SOLICITING NOMINATIONS FOR THE GOVERNMENT ADVOCACY AWARD AND OBTAINING GOVERNMENT AFFAIRS AWARD ENTRIES INTO REGIONAL COMPETITION			
NUMBER OF ADVOCACY MEETINGS AND OTHER ACTIVITIES			
OTHER GRASSROOTS ACTIVITIES NOT MENTIONED ABOVE (USE SEPARATE PAGE)			
6. YOUNG ENGINEERS IN ASHRAE (YEA)			
NUMBER OF NEW YEA MEMBERS	10	6	10

NUMBER OF TOTAL YEA MEMBERS		50	49	60
PERCENTAGE OF YEA MEMBERS FROM THE TOTAL CHAPTER MEMBERSHIP		17.3	20	21.6
7. CHAPTER HISTORY				
CHAPTER HISTORICAL DISPLAY AT CRC		YES YES	YES	YES
CHAPTER HISTORY MOVED TO WEB SITE			YES	YES
8. FINANCES				
TOTAL FUNDS BALANCE		58,462.84	49,782.06	43,895.67
CHAPTER DUES		60	40	40
MEMBER COST OF MEALS		30	30	30
DATE OF LAST CHAPTER AUDIT		NOV 2022	NOV 2021	NOV 2020



CRC Summary Form Background

Membership Promotion:

We were able to add 22 new members to our chapter this year, which is more than double our goal for the year. We used our big events to promote ASHRAE by setting up an ASHRAE booth at the Expo to tell people about ASHRAE and by getting members to bring non-members as their playing partner at the Cornhole Tournament. We also had three chapter meetings that were Bring a Non-Member meetings.

Student Activities:

We were able to visit the campuses of Oklahoma State University and the University of Oklahoma this year. At OSU, we held a symposium and students presented on current research at OSU on refrigerants and compressors. At OU, we were able to meet and discuss with students the benefits of joining ASHRAE, and for the current student members, the benefit of continuing with an ASHRAE membership after graduation.

We were able to sponsor four students in our Chapter to attend the Winter Conference in Atlanta this year.

Our Chapter was able to provide three scholarships this year in the amount of one thousand, five hundred dollars to student members. We are working towards awarding additional scholarships in the future.

The professors at OSU and OU continued their success in securing Undergraduate Program Equipment Grants, with OSU receiving two and OU receiving one.

Our members continue to take an active role at the university level with participation in senior design competitions, either as team mentors, or serving as a judge on the jury.

We have added 10 student members this year.

Central Oklahoma Chapter Programs and Meeting Attendance

Month	Topic	Attendance
Oct-22	Building Pressurization	78
Nov-22	The Hidden Truth about Hydronic Condensing Boiler Plannt Effic.	50
Dec-22	Indoor Air Quality using Ionization	29
Jan-23	Intro to loadmodeling.tool	39
Feb-23	Engineering Ethics	30
Mar-23	Distiguated Lecturer Dru Crawley Decarbonization	40
Apr-23	Distiguated Lecturer Chris Mathis ASHRAE 90.1	37
May-23	Panel Discussion-OMNI Hotel	

Chapter Technology Transfer:

The goal for the COK chapter was to put together chapter programs that weren't presented by a manufacturer. This was a challenge without a budget to hire speakers, but we were able to put together a great list of speakers.

Our upcoming May meeting is going to be a panel discussion with the design team, construction team, and building owner of a large project in downtown Okc, the Omni Hotel. At each meeting, we set out a questionnaire to our members for them to fill out. We received some great question that we hope to address during the panel. This panel discussion will end our ASHRAE year with a bang and I hope this excitement will continue to grow our attendance for our future meetings.

We had a Refrigeration tour on April 19th. This was a well-attended group YEA event.

Research Promotion:

The goal for our chapter this year was \$42,000, which is a 68% increase over last year and with the addition of the additional events we put together this year we will get very close to or meet that goal. We created a Special Events Committee under the RP chair to help plan and coordinate each event. This allowed us to divide responsibilities up to different people so that one person wasn't trying to run every event. Andy had the golf tournament, Heather was a huge help on the Expo, Michele ran the Cornhole Tournament, and Zack put together the Clay Shoot. We had more events this year than we ever have, and it was possible because of the folks on the RP and Special Events Committee.

Government Affairs:

Currently the OUBCC Energy Conservation Technical Committee (ECTC) is reviewing BOTH Chapter 11 of the 2018 edition of the International Residential Code® (IRC®) and the 2015 Edition of the International Energy Conservation Code® (IECC®). In talking with OUBCC, the ECTC is presenting the 2018 residential code to the OUBC commissioners and the overall plan is adoption of the "residential energy code" in 2022. This was accomplished and is at least a step in the right direction. The "commercial energy code" still has a way to go and is planned for adoption in 2023.



Our chair participated in multiple OUBCC meetings, and worked with Chris Bruehl, the Director of Appointments, Office of the Governor J. Kevin Stitt, to recommend appointments for the two OUBCC positions created by our last year's advocacy for SB 148.

Number of advocacy meetings and other activities

- Day on the Hill meeting
- Teams meetings with State Senator Lankford and Representative Hern
- OUBCC meetings
- National Engineers Week Proclamation – our GAC chairs initiated, and working with the NEOK chapter, Byron Hughes successfully worked with our legislature and leaders for our first statewide proclamation for Engineer's Week from Oklahoma Governor Kevin Stitt.

Young Engineers In ASHRAE (YEA)

YEA members were a big part of our chapter this year. We had multiple YEA members hold a chair, co-chair, or BOG position this year, the special events were all run by YEA members, our Social Media was done by a YEA member, and we were able to add 10 new YEA members this year. The YEA committee was asked to do something a little different this year by adding a short technical presentation to the beginning of their YEA meetings. They had a presentation on control sequences and one on decarbonization before two of their meetings. They had a joint meeting with the Refrigeration tour and hosted a paintball competition to end the year.



Chapter Roster

Our Chapter member roster can be found on Basecamp at:

[Central Oklahoma 2022-2023 \(basecamp.com\)](https://basecamp.com)

Chapter Communications

Our Communications/Newsletter/Social Media chairs were a bright spot in our chapter. All three roles were held by YEA members and two of the three were first time volunteers with our chapter.

Our newsletter was sent out on time and it looked amazing every month.

Our Communication Chair was tasked with completely renovating our website. It was a lot of work but it turned out looking great.

Our Social Media Chair continued to interview professionals in our industry and put them out on a podcast called "HVAC Magicians". She created a YouTube channel where she interviewed Young Engineers in ASHRAE. She posted all of our events on Facebook, LinkedIn, and Instagram. She was also the producer of the Chapter Summary Video that was shown at the CRC.



Chapter History:

Our Chapter Historian returned this year for his 8th year serving in that role. He has distinguished himself during his tenure by winning the Society's Lou Flagg Historical Award in 2017 for his book on The Life and Times of Louis C Nettleship, Refrigeration Engineer, and has recently received the Gold Ribbon Award for History by completing 5 years of chapter history documentation for the Society years: 2011-2016. He has brought our chapter's documented history complete and up to date from inception, 1935 to the present. Something very few chapters in Society can claim.

He is diligent in making all our chapter's historical documents readily available on our website and always keeps the history pages on our website current. He has produced a history article for every one of our monthly newsletters this year with fresh content that greatly enhances the quality and interest in our newsletters. Every year he interviews our out-going chapter president and publishes the transcript of the interview so that future presidents can be inspired to maintain Central Oklahoma as a leader in Region VIII. Our chapter is routinely among the top three chapters in our region every year in Historical PAOE points.

Sustainability:

We welcomed the help of two brand new YEA volunteers to our Sustainability committee this year and they did more for our community than our chapter has ever done. We had in total 5 events, Read Okc, Pivot, Rebuild Together, Restore Okc, and Habitat for Humanity. We also donated 50 of the ASHRAE Stem children's book to Read Okc for them to distribute to the kids in the Oklahoma City School District to promote Engineering and ASHRAE!



Appendices

Chapter Roster

Members have access to our roster at https://ashraecok.org/Company_Roster

Please visit the above URL to view our current roster.

Chapter Bylaws

The bylaws were reviewed by the board this year and remain consistent from years past