



CRC Chapter Summary Report 2021-2022

Chapter President Caleb Spradlin

Executive Summary

Upon starting my year as the COK Chapter President, I knew I wanted to maintain the great operational success our chapter has had since I got involved in ASHRAE 9 years ago. We have a very strong, reliable volunteer base and experienced past presidents.

I am especially thankful that we have such a group of volunteers due to the year outside of ASHRAE that I have personally had. This year we welcomed my second child into the world in November. I also was promoted to head of my department at my Engineering Firm, and have since then joined with my Electrical Engineering counterpart to start our own consulting business this year. With these items in motion ASHRAE commitments surely would have overwhelmed me. However our chapter ran smoothly thanks to our wonderful committee members and other volunteers. They have all of my thanks.

Our chapter had difficulties to overcome in the wake of Covid. We knew we had to focus on re-engaging our chapter to attend our events and serve our community. I hope to convey in the following report that we accomplished this mission. I believe that the Golden Gavel is representative of the time and effort that the chairs and other volunteers in the chapter have given to make a chapter successful. This year I found myself consistently grateful and motivated by our fantastic volunteers who did great work this year that I hope to convey in this report. The accomplishments of our chapter lay squarely on their shoulders and they exceeded all expectations.

Chapter Problems

The first problem we ran into this year was our President Elect resigning after our first Board of Governors meeting for personal reasons. Our chapter resiliently bounced back as we scrambled to find a new member to go through the chairs this year on short notice. Thankfully Scott Sanders rose to the occasion and has been terrific to work beside. This also meant our nominating committee had the task of finding another person to commit to the chairs making 2 total for the year. Thankfully our chapter has ample volunteers and we were able to successfully fill the position for next year's secretary.

We also had what is likely a common problem with retaining and gaining new members in the midst of the pandemic. We were able to hold multiple "member bring a non-member" events as well as do the leg work of interpersonal conversations to generate new membership. Our membership chair this year has done a tremendous job overcoming these obstacles.

Last year our meeting attendance dropped by about a third of the previous year. This struggle continued into this year as we maintained roughly the same attendance average as last year. We hope to regain some attendance with our Panel Discussion meeting in May. We expect the meeting to have a considerable attendance draw.

We lost our usual Board of Governors meeting spot before the year even began, so we had to scramble to find a new meeting spot for our first few meetings. One of our Sales Representatives graciously offered up their office for a meeting space while we searched for a suitable space to meet. We did find a new place to meet, but the meeting room privacy they offered was hit or miss. As of this month we are again on the hunt for a new meeting space.

Chapter Innovations

One successful meeting in the past has been a panel discussion with experts. In a previous year we had a panel consisting of engineers and contractors commenting on questions collected by the membership about construction and design methodologies and coordination between the fields. This year for our May meeting we will be holding a panel of Higher Education facility managers and engineers who have designed central utility plants at Higher Education facilities. The resulting conversation from these panels is very interesting and informative. It is typically by far our best attended meeting.

An exciting addition to our chapter has been the introduction of a Podcast. Our communications chair went through the process to setup the necessary equipment and get our podcast listed on Spotify. There are already a few episodes up and it is generating a lot of conversation and ideas among the membership on what the podcast can be. Right now it is set up to interview not just prominent ASHRAE members, but non-ASHRAE members related to the industry like architects or facility managers. Our first 2 episodes are already posted and more are to come!

We wanted to engage our student chapters more into our larger chapter operations. Too often our student chapter's exposure to the larger chapters are relegated to our Student Chapter Chair visits and occasionally traveling to a meeting in the city. So instead this year we brought a meeting to them. We held a Symposium at Oklahoma State University where students presented their current research projects to the chapter as certain members of the chapter served as judges to the competition.

We have successfully included permanently 2 events to our sustainability calendar. One in the fall and one in the spring. We were able to setup 2 separate events with Habitat 4 Humanity for our chapter volunteers to attend. One in November and another this April. More than just chapter members showed up, we also had students attend these events. In April we had 13 chapter members and 8 Oklahoma State students help frame a house in OKC. We did more in less time than we have ever done before.

The last thing we wanted to focus on was our families. Too often we only focus on the members and lose sight of the support system around them. We have part of our standard events for the chapter a family event. This year's event was at Chicken n Pickle in February. We had a good turnout where members and their families showed up to play some pickleball and play a variety of other games.

Item 2: Chapter CRC Report

REGION	VIII	CHAPTER WEBSITE: ASHRAECOK.ORG		
CRC LOCATION	HOUSTON			
CHAPTER	CENTRAL OKLAHOMA			
CHAPTER NUMBER	068			
1. MEMBERSHIP PROMOTION		YTD/REPORTED 2021-2022	REPORTED 2020-2021	REPORTED 2019-2020
NUMBER OF AREA-ASSIGNED MEMBERS (AAM)		255	277	279
NUMBER OF CHAPTER DUES PAYING MEMBERS (CDPM)		172	148	159
NUMBER OF NEW MEMBERS TO DATE (AAM)		13	17	9
NUMBER OF MEMBERS DELINQUENT TO DATE (AAM)		17	21	20
2. STUDENT ACTIVITIES				
NUMBER OF NEW STUDENT MEMBERS		12	12	17
NUMBER OF ACTIVE STUDENT BRANCHES		2	2	2
3. CHAPTER TECHNOLOGY TRANSFER				
NUMBER OF REGULAR MONTHLY MEETINGS WITH TECH PROGRAM		8	8	10
MONTHLY MEETING ATTENDANCE (TOTAL/AVERAGE)		262/37	296/37	55
NUMBER OF SEMINARS, ALI COURSES, TOURS OR OTHER TECHNICAL PROGRAMS OUTSIDE REGULAR MONTHLY MEETING		3	3	4
NUMBER OF TECHNICAL PROGRAMS ON REFRIGERATION TECHNOLOGY		2	2	3
NUMBER OF SOCIAL EVENTS SEPARATE FROM A TECHNICAL PROGRAM (I.E. GOLF, MEMBER'S NIGHT OUT, ETC.)		5	5	7

NUMBER OF TECHNOLOGY AWARD SUBMITTALS TO CHAPTER/REGION	0	0	0
4. RESEARCH PROMOTION/FUNDRAISING			
CHAPTER GOAL	25000	25000	43000
TOTAL DOLLARS CONTRIBUTED	23125	26931	24790
5. GOVERNMENT AFFAIRS			
<p>LIST THE CHAPTER GOALS AND GRASSROOTS ADVOCACY OF THE PAST YEAR (USE SEPARATE PAGE)</p> <p>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</p>	SEE BELOW		
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)			

CRC Summary Form Background

Item 3: Membership Promotion:

This ASHRAE year was another difficult one as we continued to persevere through the tail end of the pandemic. Thankfully, our industry has continued to grow locally, and we managed to add 13 new members in comparison to our goal of adding 6 new members this year. In addition, we saw 14 new students join our chapter!

Our meeting in October was a “Member Bring a Non-Member Event” where we saw an extraordinary turnout of 10 non-members in attendance. In contrast to previous years, we raffled off a \$25 gift card as opposed to a \$50 gift card, so we were able to allocate another \$25 to a second “Member Bring a Non-Member Event” in April. The second Non-Member Event was hosted in conjunction with the YEA and Refrigeration Tour event giving non-members a chance to interact with active members in a fun, social setting.

Lastly, we utilized many of our members who are well connected in our industry this year by getting them involved in MP Calling Campaigns. A team of six MP Committee Members worked together to reach out to members who cancelled over the past two years during the pandemic and to reach out to delinquent members to keep them engaged in our chapter. We found this to be a great success and I’m sure we will continue to use this avenue of reaching people in our industry in the future!

Item 3: Research Promotion:

The goal for our chapter this year was \$25,000. Currently we are very close to this goal, and we still have one more event to hold. We recognized our top donors in the meeting on November 4th. Up to this point we have 39 individuals or companies who have donated over \$50 to RP.

Our golf tournament is one of our most successful fundraisers every year, and this year was no exception. We raised a good amount of money this year with the total taken in just over \$21,500. We use this money to fund our scholarship fund and to put in our chapter endowment. Our chapter scholarship is fully funded thanks to this effort.

Since 2015 it has been a challenge to our board to donate \$200 each. I am proud to say we have achieved this mark in time to qualify for Full Circle. This shows the commitment of the volunteers in the Central Oklahoma Chapter!

The final event we have scheduled is the Annual Sporting Clays tournament. This is going to be held on May 27th. Typically, we raise over \$6,000 for RP during this event, and I expect that to be the same this year.

Item 5: Central Oklahoma Chapter Programs and Meeting Attendance

Date	Location	Presenter	Topic	Attendance	Average Rating
9/20/2021	Edmond Golf Club	N/A	N/A		
10/6/2021	Will Rogers Theater	"DL" Mark Fly	Fan Characteristics	40	96.6
11/2/2021	OSU Campus	OSU Students	OSU Symposium	30	No Evals
12/1/2021	Will Rogers Theater	"DL" David Schurk	Keeping Doc's Cool, Dry, & Happy in the Operating Room	45	98.75
1/5/2022	Will Rogers Theater	"DL" Dan In-Hout	You Can't Afford Discomfort	40	94.2
2/9/2022	Will Rogers Theater	Bruce Barrett w/ Multistack	Heat Recovery and Mag Bearing Chiller Application & Design	37	99.2
3/2/2022	Will Rogers Theater	Dan Evens w/ Critical Room Controls	Creating a safe work environment in USP Pharmacies	37	98.4
4/6/2022	Will Rogers Theater	Peter Wilder w/ ABB	VFDs & Harmonics	33	91.1
5/4/2022	Will Rogers Theater	Panel Discussion	Higher Education		

Item 6: Chapter Technology Transfer:

The goal for the COK chapter was to build attendance that was lost during the pandemic. Although the numbers weren't as high as we had hoped, we still successfully had a total of 8 meeting in person (included the May meeting). The average attendance for each meeting was 37 people. We hope that this number will continue to grow as everything opens back up and the members start to feel more comfortable in group settings.

In efforts to grow attendance, I tried to focus on using as many respected distinguished lectures that we could. We were very fortunate to be able to get a total of three distinguished lectures to come visit our chapter. All the DLs that I reached out to were very excited to come see us in person. So much so that all our DLs came as a non-allocated visit. A non-allocated DL is always very appreciated. The statics did show higher attendance when we had distinguished lecturers, so our goal was successful. The meeting with the largest attendance was "DL" David Schurk. We had a total of 45 in attendance and the evaluation forms that I received from the members had multiple comments regarding the quality of the presentation.

Our chapter was also fortunate enough to have the ASHRAE President, Mick Schwedler, come visit us in January. The extra chapter meeting was well attended with a total of 38 members. We are grateful that he was able to come visit our chapter and give us a short presentation. His presentation on Personal growth was fantastic. What Feeds your roots? This simple question has fueled the fire in a lot of our engineers. Jessica Fitzpatrick, our social media chair, was so inspired that she started an ASHRAE COK podcast asking this exact question.



Our upcoming May meeting is going to be a panel discussion with some of the most respected Mechanical engineers, contractors, and A&E University personal from both OU and OSU. The topic is Higher Education. 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 14th. This was a well-attended group YEA event.

Item 7: Grassroots Government Advocacy:



The goals for the chapter were set by the RVC this year. Our chair was able to complete several of the goals listed:

1. Monthly Chapter Reports via Google Forms. This is simple form that will act as your monthly chapter to RVC communication. It should take no more than 10-15 minutes to fill out and submit to me. Please submit monthly reports by the 20th of each month or the following business day.
 - a. https://docs.google.com/forms/d/e/1FAIpQLScUmTJ3Tnb2Ew3oQztxEsM9JJ63qvHPRAi39md0wET9MULt8A/viewform?usp=sf_link - accomplished monthly
2. Participate in one (1) or two (2) chapter (or combined chapters) government outreach events, either virtual or in-person (if allowed due to COVID-19). There is formal report that has to be filled out to be allotted the PAOE points, the link is hosted on Basecamp for your reference/access.

The events can include any of the following:

- a. Formal direct interaction with state or local code officials regarding IECC Code acceptance. (Highly Recommended) – accomplished with OUBCC – see below

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 on 10/8/21, the ECTC is presenting the 2018 residential code to the OUBC commissioners next week and the overall plan is adoption of the “residential energy code” in 2022. The “commercial energy code” still has a way to go and is planned for adoption in 2023.

- b. Formal direct interaction with state or local health officials regarding ASHRAE’s Epidemic Task Force (EFT) regarding COVID-19 Response. There is a PowerPoint presentation already formatted for this on Basecamp. (Highly recommended). – accomplished during our Day on the Hill event
- c. Day on the Hill. Interaction with state legislatures at your capitol. (Recommended if in legislative session this year) – accomplished see below
- d. Any other type of government affairs that relates to ASHRAE’s Public Policy Positions. Reference Basecamp or ASHRAE website above for this information.



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 – 3/9/22
- OUBCC meetings – 09/09/21, 10/25/21, 11/16/21, 1/18/22, 1/24/22, 3/7/22, 3/28/22
- 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.



Item 8: 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. Awards were presented to the top three presentations. 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 seven students in our Chapter to attend the Winter Conference in Las Vegas, Nevada 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 continued to be challenged with programs for the K-12 age group, as schools continued to limit visitors to schools.

We currently have thirty-two student members, we have added twelve student members this year, and had seven students fall off the membership roll.

Item 9: Young Engineers In ASHRAE (YEA)

The 2021-2022 ASHRAE YEA year has been a lot different from the previous year in that we were able to meet in person for most of the events. We met for a happy hour event, an arcade event, game night at one of our member's homes, and held an educational event with an engineering firm over fan types, fan curves and fan design.

This year, we started with 42 YEA members and have ended with 49 YEA members. This was a decent increase in comparison to last year, which provided to be stagnant due to market conditions. Our percentage of YEA membership in comparison to our total membership is right at 20%. Based on the growth we have seen in the COK market; I expect our YEA membership to continue to grow and be closer to 30% of total membership in the next few years.

Item 10: Chapter Roster

Our Chapter member roster can be found on Basecamp at:

[Central Oklahoma 2021-2022 \(basecamp.com\)](https://basecamp.com/central-oklahoma-2021-2022)

Item 11: Chapter Communications

Our chapter was fortunate enough to have two young engineers in charge of both newsletter and website. Every newsletter was on time and looked great. And everything we needed announced via the website or a social media platform was posted within minutes of asking. I couldn't have been any luckier with my chairs than this. Both positions are thankless jobs but each of the chairs did an amazing job!

We also had the exiting addition of a podcast to our Social Media experience. The podcast has an interview format where our communications chair sits down with someone in our industry or related to our industry and gets their personal history and perspective on ASHRAE and their role in our industry. You can find our podcast on Spotify titled "HVAC Magicians". Our first 2 episodes are up now!



Chapter History:

Our Chapter Historian returned this year for his 7th 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 is currently working on our chapter history for years 2016-2021 and expects to have that completed this year. That will bring 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.

COK ASHRAE Sustainability:

Project #1. Habitat for Humanity (Painting)

Our first project for the 2021-2022 year was on November 13, 2021 with Central Oklahoma Habitat for Humanity. For our project, we had 14 COK ASHRAE members, family and friends assist with painting the interior of a new H4H residence in Oklahoma City, OK. Although we were planning on framing that morning, we all grabbed brushes and rollers and made short work of priming and painting the entire interior of a 1200 SF home. Habitat for Humanity is a nonprofit, Christian housing ministry that has helped to build or repair hundreds of thousands of houses worldwide. Homeowners invest 300 hours of their own labor (sweat equity) into building their H4H home as well as homes for others. Locally, the Central Habitat for Humanity dedicated its 965th home.



Project #2 Habitat for Humanity (Framing) Project:

Project #2 was completed on Saturday, April 9, 2022. Again, the project was in conjunction with our partners at Habitat for Humanity and this time around, we got to swing hammers and beat on nails. This time 12 members of COK ASHRAE were paired up with a small group from Oklahoma State University (FITT) for a total of 18 volunteers. During the build, old friendships were strengthened, and new friendships made. From 8:00am to 2:30 pm, this group not only framed the house but also applied the sheathing, building wrap and installed ceiling joists. More work was accomplished this day than ever before. We left with a great sense of accomplishment and fulfillment.



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