



CRC CHAPTER SUMMARY REPORT 2017-2018



**Damon McClure
Chapter President**

2017-2018 ASHRAE CRC CHAPTER SUMMARY REPORT

REGION	REGION VIII	CHAPTER WEBSITE: HTTP://ASHRAECOK.ORG/		
CRC LOCATION	ALAMO CHPT - SAN ANTONIO, TX			
CHAPTER	CENTRAL OKLAHOMA			
CHAPTER NUMBER	068			
1. MEMBERSHIP PROMOTION		YTD/REPORTED 2017-2018	REPORTED 2016-2017	REPORTED 2015-2016
NUMBER OF AREA-ASSIGNED MEMBERS (AAM)		292	301	286
NUMBER OF CHAPTER DUES PAYING MEMBERS (CDPM)		138	196	194
NUMBER OF NEW MEMBERS TO DATE (AAM)		25	27	33
NUMBER OF MEMBERS DELINQUENT TO DATE (AAM)		17	23	15
2. STUDENT ACTIVITIES				
NUMBER OF NEW STUDENT MEMBERS		23	31	17
NUMBER OF ACTIVE STUDENT BRANCHES		4	4	2
3. CHAPTER TECHNOLOGY TRANSFER				
NUMBER OF REGULAR MONTHLY MEETINGS WITH TECH PROGRAM		9 (8 TO DATE)	9	9
MONTHLY MEETING ATTENDANCE (TOTAL/AVERAGE)		387/55	507/56	575/72
NUMBER OF SEMINARS, ALI COURSES, TOURS OR OTHER TECHNICAL PROGRAMS OUTSIDE REGULAR MONTHLY MEETING		4	4	5
NUMBER OF TECHNICAL PROGRAMS ON REFRIGERATION TECHNOLOGY		2	1	2
NUMBER OF SOCIAL EVENTS SEPARATE FROM A TECHNICAL PROGRAM (I.E. GOLF, MEMBER'S NIGHT OUT, ETC.)		11	14	12
NUMBER OF TECHNOLOGY AWARD SUBMITTALS TO CHAPTER/REGION		1	0	0
4. RESEARCH PROMOTION/FUNDRAISING				
CHAPTER GOAL		\$37,500.00	\$42,000.00	\$42,000.00
TOTAL DOLLARS CONTRIBUTED		\$38,913.00 AS OF 4/26/18	\$45,142.00	\$46,000.00
5. GRASSROOTS GOVERNMENT ADVOCACY:				
LIST THE CHAPTER GOALS AND GRASSROOTS ADVOCACY OF THE PAST YEAR (USE SEPARATE PAGE)		CONTINUE DAY ON THE HILL MAINTAIN DISCUSSIONS ABOUT OK ENERGY CODE	CONTINUE DAY ON THE HILL MAINTAIN DISCUSSIONS ABOUT OK ENERGY CODE LT. GOVERNOR AS MEETING SPEAKER	OUBCC MEETING OK DAY ON THE HILL OGE COMMUNITY OUTREACH CONTACT WITH STATE OFFICIALS REGARDING ENERGY PLANNED BEQ REVIEW
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		NONE	NONE	NONE
SEEKING PROCLAMATIONS FROM GOVERNORS, MAYORS AND OTHER ELECTED OFFICIALS FOR NATIONAL ENGINEERS WEEK (E-WEEK)		YES	NONE	YES
SOLICITING NOMINATIONS FOR THE GOVERNMENT ADVOCACY AWARD AND OBTAINING GOVERNMENT AFFAIRS AWARD ENTRIES INTO REGIONAL COMPETITION		9	8	10
NUMBER OF ADVOCACY MEETINGS AND OTHER ACTIVITIES		SOME ITEMS STATED ABOVE	SOME ITEMS STATED ABOVE	SOME ITEMS STATED ABOVE
OTHER GRASSROOTS ACTIVITIES NOT MENTIONED ABOVE (USE SEPARATE PAGE)				

6. CHAPTER HISTORY				
CHAPTER HISTORICAL DISPLAY AT CRC		YES	YES	YES
CHAPTER HISTORY MOVED TO WEB SITE		YES	YES	YES
7. FINANCES				
TOTAL FUNDS BALANCE		\$17,401.23 AS OF 4/18/18	\$29,192.00	\$33,713.82
CHAPTER DUES		\$40	\$40	\$40
MEMBER COST OF MEALS		\$25 / \$20 EARLY	\$25 / \$20 EARLY	\$25 / \$20 EARLY
DATE OF LAST CHAPTER AUDIT		NOVEMBER 2017	JANUARY 2017	MARCH 2016

Supplemental Chapter Summary Report Information

1. Membership Promotion:

Membership Promotion had a difficult year in regards to the success of the prior two years. Our chapter struggled immensely with the number of transfers and the number of delinquencies. We have a new Membership Promotion Chair starting next year and hopefully he find a way to increase new member and actively retain existing members.

Central Oklahoma will be presenting a motion at CRC that could potentially increase new members for several Regions/Chapters. We are requesting that Society (Finance Committee & Membership Promotion Committee) extend student membership rates as compared to college/university student rate to that of a certified apprentice trade school student. Locally we have two (2) potential trade (union) trade apprenticeship schools that have well over 50+ students in areas that would potentially related directly to ASHRAE. Read more about this in the Student Activities section of our Golden Gavel Report.

2. Student Activities:

This year Student Activities was thriving and instrumental to our success. We now have four active student branches, University Oklahoma (OU), Oklahoma State University (OSU), Eastern Oklahoma County Vo-Tech (EOC Tech), and the University of Central Oklahoma (UCO). UCO student branch was recently approved by Member Council vote at the Winter Conference. We will be holding a formal induction ceremony at our May 4, 2018 Chapter Meeting.

We held various student related events that traversed from K-12 to post secondary to the uncharted territory of union apprenticeship trade schools. We started the year at Oklahoma State University with a presentation of *History of Power Plants: including some of the catastrophic events that lead to the development of safety regulations*. This was followed by two (2) STEM Days at Metro Tech and Gene Autry Tech. Next we arranged an ASHRAE student membership presentation at Oklahoma University student branch meeting. This was followed by sponsoring fourteen (14) OU/OSU students to attend the Winter Conference. Lastly we met with board members of the two (2) local unions (Local 124 & Local 344) to gage the interest in possible student members and members from their respective schooling programs. We successfully hosted a Meet & Greet Night on the Local 344 Apprenticeship School on 4/17/18. For more details see the Student Activities section of our Golden Gavel Report.

3. Chapter Technology Transfer:

Central Oklahoma had a great year in Chapter Technology Transfer. I believe we accomplished several items of importance in the realm of chapter operations. We had one (1) refrigeration tour at the local Twisted Spike Brewery in Midtown paired with YEA and a joint meeting with ASPE. We hosted a variety of chapter programs which included three (3) ASHRAE Distinguished Lecturers, two of which we shared with NE OK Chapter. We also hosted three (3) venues for the ASHRAE Webcast “*Making Energy Efficiency a Reality*” on April 19, 2018. Lastly Central Oklahoma Chapter was only chapter that submitted a Technology Award. Michael Wilson (ECC) submitted a short form on the LEED Gold Central Electric Cooperative Building in Stillwater, Oklahoma.

Our list of chapter meeting programs and speakers is below.

Chapter Program	Speaker	Topic
<i>Recent Trends in Lab Exhaust Systems</i>	<i>Joseph Thorndal</i>	<i>Laboratory Exhaust Systems</i>
<i>Why Buildings Matter and the Role of ASHRAE 90.1</i>	<i>Chris Mathis (DL)</i>	<i>ASHRAE 90.1</i>
<i>How UV-C Can Help Your Building</i>	<i>Dean Saputa</i>	<i>UV-C & IAQ</i>
<i>The Future of Connected Buildings</i>	<i>Chris Torline</i>	<i>Building Automation (Chapter HOF Induction & Donor Recongiton)</i>
<i>Chesapeake Tier III Central Plant & Data Center Tour</i>	<i>Tom Determan</i>	<i>Techincal Tour</i>
<i>How to Use Emotional Intelligence to Become a Better Person Professionally and Personally</i>	<i>Karine LeBlanc (DL)</i>	<i>Spouse Night at Horse Race Track</i>
<i>How Standards Are Made, And Other ASHRAE "SECRETS"</i>	<i>Pam Duffy (DL)</i>	<i>Scholarship Recognition</i>
<i>Update on Oklahoma Health Standards and How They Apply to HVAC</i>	<i>Hank Hartsell</i>	<i>ASHRAE Heirarchy</i>
		<i>State Agency & ASHRAE</i>

4. **Research Promotion:**

Central Oklahoma quota was \$37,500 for this chapter year. As of 4/16/18, our chapter has met the requested quota and slightly exceeded it to the total of \$38,913. The chapters's four (4) RP Events defined most of our chapter's contributions, however, member's donations allotted approximately \$4,250 or approximately 11% of our quotas. In regards to member's donations, our chapter officers, RP Chair, & most of our Board of Governors completed the annual Full Circle Contributions. The chapter officers and RP Chair each doubled their contributions to show our level of commitment to ASHRAE. Below is break down of funds raised per event for the year.

Research Promotion Events	Approximate Contribution Raised
60th Annual Golf Tournament	\$18,000
1st Annual ASHRAE Night at the Garage/YEA	\$200
2nd Annual Casino Night (Poker)	\$1,150
3rd Annual Sporting Clay Tournament	\$6,890

5. **Grassroots Government Advocacy:**

Central Oklahoma completed its fourth (4th) annual Day on the Hill at the Oklahoma State Capitol on March 27th, 2018. The following synopsis was provided by our GGAC Byron Hughes.

With the combined efforts of our Northeast Oklahoma Chapter, nineteen (19) members participated in our annual "Day on the Hill". Several topics were discussed including ASHRAE stance on current building and energy codes, as well as promoting STEM studies, ASHRAE 90.1 and overall ASHRAE standards. Several meetings were conducted with the potential for future discussion on how ASHRAE can be a great source of information. We were honored to have Jim Scarborough from Society, Senior Manager of State and Local Government Affairs to attend this year and appreciate his insight and perspective as we continue to strive for success. Special thanks to Todd Lester GGAC NEOK and Chad Smith Region VIII GGAC RVC for their encouragement and desire to improve upon our previous year's performance. It was challenging but worth it. We certainly look forward to additional participation next year.

Our chapter had a total of nine (9) participants that ranged from student member(s), chapter officers/chairs, and chapter members that split into small groups and met directly with approximately 8-9 state legislators total.

Below is table of current legislation that was used as a guide in our discussion with legislators.

CURRENT OR RECENT MEASURES IN THE LEGISLATURE			
Measure	Status	Title	Recommended Action
HB3254	Referred to Banking and Business	<p>Professions and occupations; authorizing Construction and Industries board to administer Uniform Building Code Commission Act</p> <p>HB3254 is an updated version of HB1168 that was introduced last year. Initially, the intent was to move OUBCC under the CIB. When that was met with resistance, Rep. Mark McBride then revised that to move it to Dept. of Labor. So now this year, this bill is trying to move it back under the CIB. The CIB's mission from their website is they are charged with regulating through licensing, registration, and inspection of the state's construction trades. The OUBCC's focus is also on public health, but it serves as the state's experts on building code adoption and implementation as well as training for public code officials. The construction industry has long kept the construction segment of the industry separate from the design professionals to serve as a check and balance against each other. Combining the two segments together will lose the check and balance that currently exists between the two groups. OUBCC is set to create a code academy that will assist our municipalities with training new inspectors at no cost. There are over 40% of inspectors across the state within 3-years of retirement age. This will impact the public. PLEASE VOTE NO</p>	We would recommend Voting NO
SB1466	Referred to RULES	<p>Renewable Energy; utilization of energy, modifying reference</p> <p>This bill clarifies a limit to the demand side management that an electricity generating entity can use to meet their overall renewable energy efficiency targets. This prompts the entity to be looking at not only managing demand, but also creating new means of energy production from renewable sources</p>	We would recommend Voting YES
HB3536	Referred for Engrossment	<p>Energy Conservation; modifying procedures for energy conservation measures and efficiencies in public facilities</p> <p>This bill modifies some of the requirements for energy conservation measure agreements on public facilities to include water savings and building operational savings programs. It clarifies responsibilities for anyone entering into an energy savings agreement with the state. This is a positive direction for the state and falls in line with ASHRAE recommendations to continually be looking at ways to improve facilities operations to save energy.</p>	We would recommend Voting YES
SB880	Crossed over to House for Discussion	<p>Science, technology, engineering and mathematics education; modifying entity responsible for certain program. Effective date. Emergency</p> <p>This bill defines the creation of STEM region or STEM community. This lines out the requirements for stakeholders in the community to receive this designations and gives requirements for both promotion, gathering data, and creating action plans to promote STEM in their communities. This falls in lines with recommendations from Governor's task force and State Education plan</p>	We would recommend Voting YES
HB1883	Referred to RULES last session, appears to be in limbo	<p>Energy; creating the School District Facilities Energy Conservation Program; effective date.</p> <p>This is similar to the direction the state has on government buildings. This falls in line with ASHRAE's policy brief of maintaining energy codes to keep the building environment up to date with codes as well as help the long term outlook of reducing annual energy costs. The major benefit from this bill is that helps the schools create programs that will reduce energy costs, thereby channeling those savings back into the schools budget at a time where education funding is so critical. The capitol improvements needed to improve efficiency will be funded through school bonds, not state educational funding.</p>	We would recommend Voting YES
NO CURRENT LEGISLATION, BUT IMPORTANT ISSUE			
ISSUE			Recommended Action
<p>Completion of adoption of full 2015 International Building Code sections</p> <p>In 2017, State of Oklahoma adopted the 2015 version of International building code sections EXCEPT the IECC (energy conservation code). This was due to an opinion of attorney general at the time stated it wasn't a building code. The International Building Code Council which creates and updates all the different code sections, does in fact say the IECC is part of the entire Building code. At the time of the AG opinion, the state had adopted the 2009 version of the IECC. When the rest of the code sections were updated to 2015, the IECC reverted back to a 2006 version. The preferred software used to verify compliance with the 2006 energy code is no longer offered and supported because the code is outdated. Adopting the 2015 version of IECC will complete the current state adopted building code sections to provide a single, uniform standard that makes it easier for public officials and inspectors to provide proper oversight of building projects</p>			We would recommend introducing legislation in 2019 session to complete the full adoption of 2015 International building code sections

6. Young Engineers in ASHRAE:

Central Oklahoma had a decent year as related to Young Engineers in ASHRAE. Below are some statistics and the associated events that Caleb Spradlin, our YEA chair, provide to his YRC.

	Chapter Assigned	YEA	YEA	YEA	YEA	YEA	
Chapter	Membership	Avg Event Attendance %	YLW or YLI Attendance %	Articles Society Newsletter %	Leadership U or LeaDRS %	Members in Leadership %	YEA PAOE Pts
		#/YEA Members	#/2	#/3	#/2	#/5	
Central Oklahoma	292	10/60 (17%)	2/2	0/3	0/2	6/5	2075

2018 YEA Events

- Oct - Garage – 12 attendees
- Nov - Poker Tournament – 8 attendees
- Dec - Fassler Hall - 10 attendees
- Jan - Main Event – 8 attendees
- Feb - Republic – 13 attendees
- March - Paintball – 8 attendees

7. Chapter History:

Central Oklahoma will have their historical display including banners on display this year at the CRC. We also have a tremendous amount of historical content posted on chapter website at the following link: <http://ashraecok.org/History>

8. Finances

Active Bank of Oklahoma Checking Account: \$17,401.23

BOSC Investment Account: \$9,373.40

ASHRAE Scholarship Endowment Seed: \$12,000.00

Winter Conference OU/OSU Sponsorship: \$1,600 from chapter & \$1,000 from Region

ASHRAE RP Memoriam for Ted Wolfe: \$100

9. Chapter Problems: See Golden Gavel Report submission for more detail information.

- I. Membership Promotion: Maintaining continual growth despite transfers and delinquencies. Our chapter must find intuitive ways to increase membership on a year-to-year basis.
 - a. Reach outside of current Society boundaries. Our chapter placed our focus on local trade schools for potential new members. These apprenticeship trades schools already have a related industry curriculum that focuses and draws from ASHRAE.
- II. Long Term Chapter Leadership Planning: Plan for your chapter's future. We had a general guideline rotation of contractor, equipment rep, and engineer. However, sometimes this guideline is not enough for sustained future chapter success.
 - a. This year we prepared a Long-Term Chapter Strategic Plan that outlined initiatives for chapter growth, leadership, and financial stability. This plan was utilized by our Nomination Committee to elect 2018-2019 slate of nominees.
- III. Access to large RP donors: Our chapter has struggled with this aspect for the last two years. We are looking to gain some insight from other chapters at CRC.

10. Chapter Innovations and Suggestions: See Golden Gavel Report submission for more detail information.

- I. Student Protégé: An inaugural chapter pilot program that focuses on student members participation in chapter operations. The program emphasizes the vetted student direct involvement with at least three areas chapter operations such as BOG meeting, chapter meetings, and any other large-scale operation such as Winter Conference, Sustainability Event, and/or Day on the Hill. The purpose of the program is to motivate the student to maintain their contribution within ASHRAE and the local chapter after graduation.

- II. Apprenticeship Trade School Student Membership: Central Oklahoma believes it has identified a large contingent of potential student members. This group could dramatically change several aspects of membership promotion and student activities. Our chapter is presenting a great motion at CRC drafted in conjunction with Randy Schrecengost, Chris Ahne, Jeff Forman, and myself to help pursue this idea. If this motion passes it will have direct correlation on the following areas: student memberships, potential student chapter branches in areas other than universities or collegiate settings, YEA memberships, potential new ASHRAE certification programs, potential Research Promotion contribution/donations, and new potential areas for research grant/awards. Please refer to our chapter's Golden Gavel Report submission for further details related to this topic.

Respectively Submitted

Damon McClure
Central Oklahoma Chapter-President