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UPCOMING EVENTS

- **February 1st**
Chapter Meeting
11:30am to 1:30pm
Tulsa Country Club
- **March 1st**
Chapter Meeting
1:00pm to 2:00pm
Tulsa Country Club
- **April 13th**
Spring Golf Tournament
11:30am to 1:30pm
LaFortune Golf Course

PRESIDENT'S MESSAGE

By Keith Averitt

We are halfway done with our Chapter year, but it feels like we just got started! Our January guest speaker, Kerry Rowland with PSO, gave an excellent presentation on the many ways entities can secure energy rebates from the PSO Power Forward program. If you missed the meeting, I highly encourage you to reach out to Kerry, and inquire on the many programs that are available. There are many ways to participate in these programs which facilitate energy savings.

Speaking of energy savings, the current buzzword seems to be Decarbonization. Others describe this as reducing a carbon footprint. ASHRAE has taken a strong stance on this topic, and is currently undergoing several research projects to find the best approaches to facilitate the end of our reliance on carbon fuels. Some seem to think this means the electrification of America, but that really isn't the case. Other means to do this are through hydrogen, nuclear power, solar power and the like. Regardless of your stance on this topic, I think everyone will agree it is our responsibility to be good stewards of what we have been given. Many technologies are in place to help facilitate this shift. I highly encourage everyone to reach out to your local engineer or rep to find out what these are, and how they can be applied to our industry.

Our February chapter meeting is this coming Wednesday, February 1 at Tulsa Country Club. It is going to be a busy meeting, as we are honoring the latest inductee into the NEOK ASHRAE Hall of Fame, Mark Fly, as well as handing out student scholarships. Please mark on your calendars to attend this meeting, and come enjoy the meeting!

Keith Averitt

Keith Averitt
2022-2023 Chapter President
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CHAPTER TECHNOLOGY TRANSFER/PROGRAMS

By Michael Floyd

Thank you to everyone who was able to attend the January ASHRAE meeting! I hope everyone found Kerry's presentation on PSO Business Rebates to be very informative, and that you'll be able to use this on future projects. I'd like to thank Kerry for taking time out of her busy schedule to present at our chapter's December meeting.

Our February meeting's presentation will be by Robert Hanna. He will be presenting on "VRF Designing in Cooler Climates." Mr. Hanna currently acts as the regional sales engineer for LG. He has over 13 years of experience working with LG VRF's, and has been in the HVAC/Refrigeration industry for over 37 years. Robert holds a Bachelor of Science degree in Mechanical Engineering from the University of Oklahoma. He's a current member of both ASHRAE and ASME, past voting member of ASHRAE Technical Committees 5.5 & 9.8, and he's a creator of the ASHRAE Psychrometric Chart & Analysis program. February's ASHRAE meeting will be held on the 1st, so RSVP

Michael Floyd

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REFRIGERATION

By Eric Mulliniks

Upcoming Field Trip

A tour of the Vicinity district energy system in downtown Tulsa is currently being planned. We are looking at scheduling this tour to take place sometime between late March and mid-April of this year. This will be an opportunity to take a closer look into how thermal energy gets distributed to over 7.1 million square feet of commercial space in downtown Tulsa.

Eric Mulliniks

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TREASURER REPORT

By Austin Barton

Our chapter's current net worth as of January 24, 2023 is as follows.

BOK- General checking:	\$30,371.55
BOK-Investments-CRC-Training:	\$35,284.69
Jack Tumilty Scholarship Fund:	\$26,518.41
Total Assets:	\$92,174.65

Austin Barton

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YEA

By Zach Seizinger

YEA's gearing up for our first event of the year. We're looking forward to seeing everybody there so stay tuned and keep on the lookout for the upcoming event flyer!



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MEMBERSHIP PROMOTION

By Brian Biggerstaff

If anyone you know is interested in joining ASHRAE, you can share the below link with them, or send them a personalized message using Connect-A-Colleague. We've kept it simple: Enter your name and email, your colleague's name and email, and press send. That's it! This pre-written invitation will be sent on your behalf, and includes options to reference an ASHRAE technical committee section, and to add a custom message.

http://web.ashrae.org/connect_a_colleague/

If you prefer to simply share a link with a friend they can join ASHRAE using the below:

<https://join.ashrae.org/>



Brian Biggerstaff
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STUDENT ACTIVITIES

By Sara Fazel

Oh my gosh! When you ask NEOK ASHRAE to show up, that they do! The presentation "Failure is the Option" by local member, Mark Fly P.E., was an absolute hit! We had at least 50 attendees, which is phenomenal. Thank you to everyone who participated. Your support is so appreciated!

We are keeping up momentum in this next month, making a couple presentations with various groups, including the Society of Women Engineers (SWE).

One of these discussions will be focused on interview skills, for ORU engineering students. If anyone would be interested in volunteering to host a "mock interview," as a follow up to this presentation, please let me know.

In the upcoming week, I will be sending out our scholarship applications. These will be due at the end of February. Please be sure to send along, and recommend to college students!

Finally, I would like to welcome our newest student member, Parker Moore, a Mechanical Engineer attending TU!



Sara Fazel
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RESEARCH PROMOTION

By Chad Marazas

Please help support ASHRAE research by making your donation today. Donations may be made by visit the link below to make a contribution.

<https://xp20.ashrae.org/secure/researchpromotion/rp.html>



Chad Marazas
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GAC

By Chad Smith

Spring time tends to be the busiest time of year for GAC activities and 2023 will be no exception. Following up our discussion with Rep. Kevin Hern's office from the Oklahoma 1st district, we recently had a meeting with US Senator James Lankford's office. This was a good discussion and they were specifically interested to hear about the current state of the workforce for the HVAC industry in the state of Oklahoma. You'll see a screenshot of that meeting as Sen. Lankford's staff is currently in DC with Congress in session.

During our conversation with Sen. Lankford's staff, we shared with them economic facts about the HVAC industry in the state of Oklahoma including:

Total economic output from the HVAC industry in the state of Oklahoma ranks #9 in the US.

Total number of jobs directly related to HVAC industry is over 22,000, ranking Oklahoma #15 in the US.

One study showed 1 out of every 84 jobs in the state of Oklahoma civilian labor force is in the HVAC industry. This ratio ranks Oklahoma a #2 behind only the state of Texas.

In the last 5 years, HVAC manufacturers have invested well over \$ 400 million in new facilities and renovating/repurposing existing facilities.

Also a reminder that February 19-25th is National Engineers week. ASHRAE will be securing a Mayoral Proclamation recognizing the week along with NEOK ASHRAE's efforts to promote the HVAC industry and STEM education. We will be working with Student Activities as well as our public offices to promote growth in these areas.

That leads us into the upcoming annual Outreach visit to the State Capitol soon. We are settling in on a day in March and will be spreading the word, but I encourage you all to plan on joining us. It is a great day to connect with your legislators and promote ASHRAE and the HVAC industry.

Lastly, any time you find yourself speaking with public officials at the municipal or state level, don't forget to remind them of the ASHRAE certification programs that are available to anyone. You can pass on this link, ASHRAE Certifications, where they can find out more about the course content, costs, and other information.



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ELECTRONIC COMMUNICATIONS

By Austin Whetstone

Well, we've made it through our first month of 2023. The weather has bounced from each extreme roughly 4 times, so it's safe to say that we are indeed still in Oklahoma. We've had some great events so far this ASHRAE year, from the YEA Christmas Party, to the college presentation at TU put on by Mark Fly. Be sure to watch your emails and check the Schedule of Events on our chapter website to keep up to date on events like these!

The link for the online option is the same for each month and in case you need the link it is posted on the chapter website. The next chapter meeting is February 1st 11:30 am CDT. The link to join is:

<https://ashrae.webex.com/ashrae/j.php?MTID=m03a7d04850c58d31a28e3f0f7662ddee>

Meeting number: 2337 246 4752

Password:
66dWgUr5Vu4

Host key:
621270

Feel free to connect with us on LinkedIn or Facebook. As always, chapter information is offered on these two social media sites and our chapter website, www.ashrae-neok.org.



Click on one of these logos to visit our pages.



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HONORS & AWARDS

By Mike Beda

The Chapters Regional Conference (CRC) will be in late April this year. We are heading for Monterrey, MEX. There will be a golf and companion activities on Thursday, business meeting on Friday and the awards luncheon on Saturday. Early bird specials end March 15. The dates are April 27th thru 29th.

I will be finishing my report to the Regional Nominating Committee next month. We will be submitting at least 1 entry for the Chapter Service Award. It is not too late to contact me you think you may be eligible for an award, too.

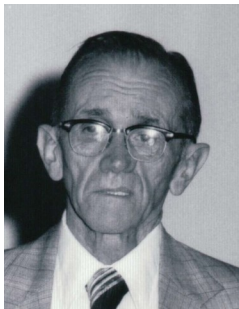
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HISTORY

By Gene Redford



I was reviewing some of the old articles and found this one where Jack Tumilty and Chick Morse put together around 1995. Jack had interviewed “Pete” Winget who was one of the charter members of our chapter. Pete was a very interesting person to visit with.

Pete’s career started with the Minneapolis-Honeywell Co. in sales because he was the second-best salesman (Pete went on say something about the first best salesman sold a milking machine to a farmer with one cow and took the cow for a down payment).

This was back in the 30’s and M-H had only electric temperature controls. In 1932 M-H bought the National Regulator Company, which gave them a line of pneumatic controls. Since the O’Connor Company represented M-H controls this forced them into the contracting business.

This was before World War II and with very few consulting engineers in this area, so Pete and the O’Connor Company designed not only temperature control systems, but also designed HVAC systems. This is about the time Pete moved from Wichita to Tulsa and became the local expert in hot water pumping systems. Pete shared his vast knowledge with young engineers after the war when consulting engineers opened offices in Tulsa.

Heating systems, especially in schools, before about 1950 were either steam radiation in the classrooms or hot air systems. Hot air systems consisted of a central blower and a bank of heating coils, usually steam, and a series of ducts throughout the building. The fans were driven either by electric motors or steam turbines. There was a man in Kansas City who developed a hot air system that was used in schools using the central blower-coil arrangement that became the standard of the industry. His name was Kitchen and one of his systems turned up in a high school in Emporia, Kansas in the mid 1970’s and in Nowata, OK in the late 1960’s. Both of those systems were working well at the time they were discovered.

After the war there was an engineer who came to Tulsa and worked a while for a local architect as a design mechanical engineer. In 1949 he left the architect and opened a consulting engineering office with another engineer. The name of this new firm was Collins and Gould Consulting Engineers. Collins then moved to OKC in 1950 to open an office there. In case you forgot, that engineer was William J. Collins Jr. who later became President of ASHRAE. Jack Tumilty joined Collins in 1951.

Pete Winget was very active in our industry and I had the opportunity to know Pete while working for Jack Tumilty. Pete was active in the Methodist Church, a Rotarian and sang in a men’s chorus, known as The Rotary Men of Notes. Pete was a PE and very active in OSPE. Pete was chapter president in 1954, while he was working for the O’Connor Company.



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2022/2023 Calendar of Events

Important Dates

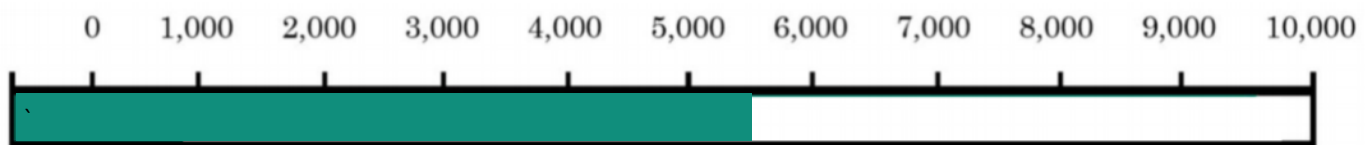
Meeting

Location

September 15, 2022	Board of Governors	Elgin Park
September 29, 2022	Golf Tournament	LaFortune Golf Course
October 5, 2022	Chapter Meeting (Lunch)	Tulsa Country Club
October 12, 2022	ASPE&ASHRAE EXPO	Oklahoma City Convention Cent
October 20, 2022	Board of Governors	Elgin Park
November 2, 2022	Chapter Meeting (Lunch)	Tulsa Country Club
November TBD	Board of Governors	Elgin Park
December 7, 2022	Chapter Meeting (Lunch)	Tulsa Country Club
December 15, 2022	Board of Governors	Elgin Park
January 18, 2023	Chapter Meeting (Lunch)	Tulsa Country Club
January 12, 2023	Board of Governors	Elgin Park
February 1, 2023	Chapter Meeting (Lunch)	Tulsa Country Club
March 1, 2023	Chapter Meeting (Lunch)	Tulsa Country Club
April 13, 2023	Spring Golf Tournament	LaFortune Golf Course

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

2022/2023 NEOK PAOE Points





2021/2022 Chapter Volunteers

Officers

President	Keith Averitt	918-624-1005	kaveritt@eei-ok.com
President Elect	Matt Simmons	918-258-6890	msimmons@eda-fki-engineers.com
Treasurer	Austin Barton	918-359-9107	barton.a@mcintoshok.com
Secretary	Eric Mulliniks	918-640-1542	emulliniks@eei-ok.com

Board of Governors

BOG	Steve Johnson	918-955-4462	Steve.johnson55@cox.net
BOG	Chuck Mayfield	918-624-1005	cmayfield@eei-ok.com
BOG	Ray Gomez	918-584-0102	gomez@phillipsgomez.com
BOG	Mike Beda	918-706-8309	mikebeda1945@yahoo.com

Committee Chairs

CRC Delegate	Claire Farr	918-279-6450	cfarr@es2ok.com
CRC Alternate	Keith Averitt	918-624-1005	kaveritt@eei-ok.com
Attendance/Reception	Richard Shoemaker	918-812-2149	rrii@shoemakerac.com
Audit	Dan Owens	918-359-9110	owens.d@mcintoshok.com
CTT/Programs	Michael Floyd	918-836-0271	michael.floyd@leeandbrowne.com
GAC	Chad Smith	918-704-7905	chad@airetechcorp.com
Historian	Gene L. Redford	918-346-0444	glredbird@yahoo.com
Honors & Awards	Mike Beda	918-706-8309	mikebeda1945@yahoo.com
Membership Promotion	Brian Biggerstaff	918-219-4030	bbiggerstaff@eei-ok.com
Newsletter	Matt Simmons	918-258-6890	msimmons@eda-fki-engineers.com
Nominating	TBD		
Publicity / Social Media	Austin Whetstone	918-237-3663	austin@okchiller.com
Refrigeration	Eric Mulliniks	918-382-6432	ericm@aaon.com
Research Promotion	Chad Marazas	918-688-6784	cmmarazas@trane.com
Special Events Co-Chair	Nolan Chance	918-877-6000	nolanc@midwestmachinery.net
Special Events Co-Chair	Ryan Dunkerson	918-430-6793	rdunkerson@es2ok.com
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Sustainability	TBD		
Webmaster/ECC	Austin Whetstone	918-237-3663	austin@okchiller.com
YEA	Zachary Seizinger	918-998-0007	zseizinger@eei-ok.com