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Tulsa, Oklahoma

August, 2015

TABLE OF CONTENTS

- President's Message
- Research Promotion
- Special Events
- Treasurer Report
- CTT—Chapter Technology Transfer
- Membership Promotion
- YEA
- Student Activities
- GGAC
- Sustainability
- History
- Honors & Awards
- Refrigeration
- Meeting Minutes
- Online Communications
- ASHRAE News
- Golf Event Flyer
- NEOK Booster Ticket Application
- Program Schedule
- Chapter Volunteers & Calendar

UPCOMING EVENTS

- Aug. 20th — Board of Governors Meeting @ Ti Amo 11:30am
- Sept. 10th — Annual Golf Tournament @ White Hawk Golf Club
- Sept. 17th — Board of Governors Meeting @ Ti Amo 11:30am.

ANOTHER ASHRAE YEAR BEGINS...

During the Spring CRC this past April in Fort Worth, TX, I was reminded of what makes the NEOK Chapter so special. It is the people – the volunteers that represent our chapter are truly amazing individuals and speak to the tradition that NEOK has established. It is truly an honor and a privilege to follow in the footsteps of those who have established NEOK as a Premier chapter in Society. I appreciate the opportunity to serve and pledge to do my best to continue the success of this chapter.

While most of you have taken the summer off from ASHRAE, your Board of Governors and chapter committee volunteers have been working hard to plan an amazing ASHRAE year. We would not have such a great chapter without all of those who selflessly devote their time, so I would like to take a moment and thank all of the volunteers who have decided to join me on this journey. Before I share what is ahead, I would like to reflect a little on this past year.

Society has distributed the final PAOE point totals for all of the 175 ASHRAE chapters and there is much to brag about! While we rank 80th out of 175 in terms of membership, we ranked 12th in PAOE. That shows you what an outstanding chapter we are and what great chapter leadership we had in last year's chapter president Robert Schatz. It was his hard work and dedication along with the rest of the committee volunteers that allowed us to be in the top 7 percent of all of Society. It is also my pleasure to announce that Paul Oman was able to snag the **#1 spot in the WORLD** with the highest PAOE point total for Research Promotion. Join me in congratulating Paul for this outstanding achievement.

As I mentioned, this year's committee members have been planning all summer to bring you the best ASHRAE year. To kick it off, we have our annual golf tournament and picnic just around the corner. **Mark your calendars for Thursday, September 10th.** Get your foursomes picked and your registration forms turned in and join us on the golf course for another fun golf outing at White Hawk Golf Club. Once again this year we are proud to announce Jason Eslinger who will be "driving" for most of us and in turn helping us raise money through our research promotion campaign. See more information later in the newsletter on Jason and all of his talents. If you are on our mailing list, you have already been introduced to some of the new sponsorship opportunities for the golf tournament. Paul Oman and the RP committee have been working hard so go check out his article to learn how you can support ASHRAE Research in a fun new way. If you don't play golf that is OK, come join us at the picnic afterward where there will be food, fellowship and of course door prizes!

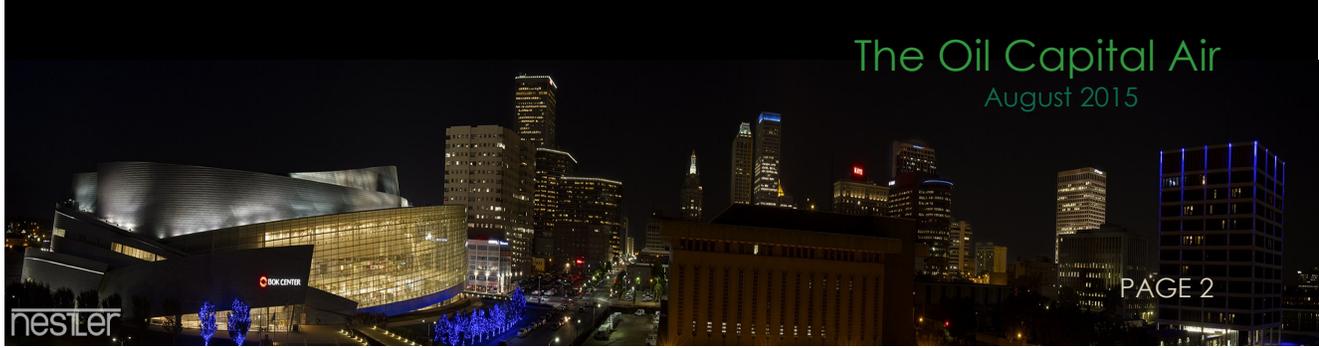
LeAnna Reynolds can be reached at 918.599.4120 or leanna.l.reynolds@leidos.com



LeAnna Reynolds
 2015-2016
 Chapter President

ANNUAL GOLF TOURNAMENT
 White Hawk Golf Club
 14515 S. Yale Bixby, OK





RESEARCH PROMOTION

By: Paul Oman

I would like to begin our new chapter year by thanking all of our past donors and volunteers for investing their time and resources. It's people and companies like you that have allowed our chapter to meet and exceed our chapter goals over the past several years.

This being my second year as RP chair, I hope to build on the success of last year and look forward to working with our chapter leadership to reach and exceed our new goal of \$41,000.00.

This chapter year will begin as it has since sometime in the late sixties with our annual golf tournament. Gene Redford, our Historian, remembers it starting around 1969 at Rolling Hills

Golf Course which is now Cherokee Hills Golf Course. Based on 46 rounds, of 80 golfers losing "only" two balls per round (give or take), that would be 7360 balls and at today's prices around \$18,400.00.

Our special events and Research Promotion committee has added several sponsorship opportunities to increase your company's exposure and ASHRAE research contributions to give us a strong start to build on for this years goal.

This year's event will again be held at White Hawk Golf Course, 14515 S. Yale Ave in Bixby on Thursday, September 10th. See registration and sponsorship opportunities at the end of this newsletter for details. Get your team registration and sponsorship order turned in asap. Flag sponsorships are limited. The deadline for Flag and/or Hole sponsorships is August 21st so we can insure that we receive them by the time of the event.

We are also asking you to contact your suppliers and vendors for possible sponsorships and/or promotional items to be given away as door prizes and goody bags. Please contact me if you or your vendors can contribute items such as Cozies, golf balls, tees, clubs, towels, or any other promotional items. I would like to get them as early as possible to sort them out. Let me know and will be happy to pick them up.



We are looking forward to another very successful tournament because of your generous support!

Paul Oman can be reached at 918.249.1918 or poman@federalcorp.com



SPECIAL EVENTS

By: Mary Goins

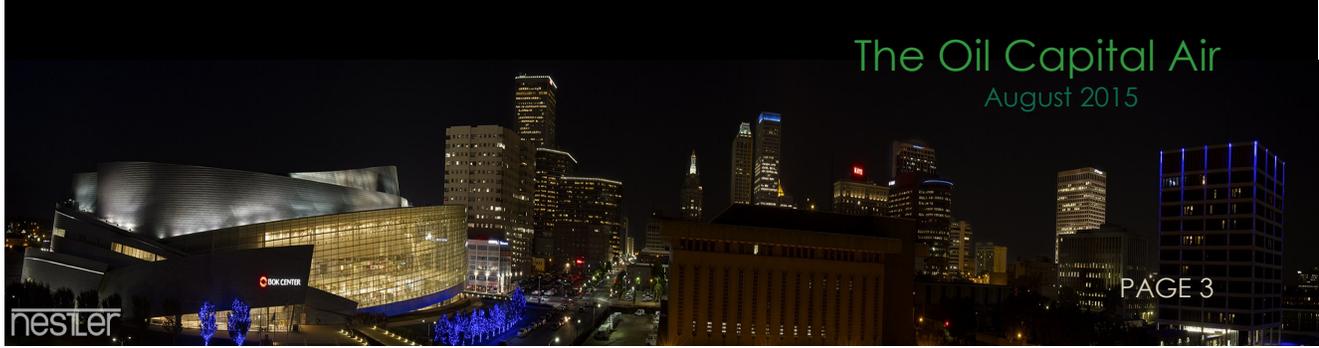
What a great time we all had during our 1st ever Spring Skeet Shooting Event! Even though the weather was hot and humid, no one seemed to mind and had fun anyway. The Bar-b-que catered by Stuttz and arranged by Paul Oman was especially good and we had plenty for everyone!

To help with our goal to raise funds for ASHRAE Research, Tim Wilcox donated a Shotgun for us to Raffle and Paul Oman donated a case for this Shotgun, in the drawing before the competition, my name, Mary Goins was drawn making me the lucky winner!

Altogether, we had a total of 25 shooters and raised \$1,085.00 for ASHRAE Research.

Many thanks to those who helped make this event such a success! Without the many hours of prep time by Robert Schatz, Paul Oman, Allie Bird, Nolan Chance, Keith Browne and Mark Fly, we would not have had the great success. What a great team!

Special recognition to Robert Schatz and Paul Oman who designed, constructed and donated the materials for our traveling Trophy. Outstanding work!!



(Continued from page 2)



Skeet Shooting 2015

A total of 75 points was possible from the 3 separate areas of competition, with 25 rounds being shot in each of the 3 arenas.

The winners are as follows:

1st Place, and winner of the Traveling Trophy went to **Nolan Chance** with a total score of 48. **2nd Place** was **Frank Broostin** with a score of 46 and winning **3rd Place** was **Kelly Coday** with a score of 45. 2nd & 3rd place winners were given their choice of door prizes. Richard Godfried was so very close in 4th with a score of 44.



Skeet Shooting Champion 2015

We also had great sponsors who gave terrific door prizes:

- Boone & Boone – Gym Bag & polo Shirt
- Flowmatic's – Shotgun accessory basket
- EEI – Gift card
- Federal Corporation – Gift Card
- Airtech – Gift card
- Keith Browne – Gift Card & Shooter Rest

Also a special thanks to Allie Bird who was able to procure gift cards from Tulsa Fire Arms, the Gun club, and other local business for door prize give-a-ways.

If you would like to volunteer to help in our next Shooting event in the Spring of 2016, Please let us know!

As we look forward to 2015-2016 our September Golf Event is just around the corner—September 10th. Once again we welcome Jason Eslinger to this event. Jason is a professional Long Drive Competitor and very accomplished in his field. Please click the picture of Jason to see videos demonstrating some of his skills!



Mary Goins can be reached at 918.259.3740 or mary@flowmaticsinc.com



TREASURER REPORT

By: Matt Petersen

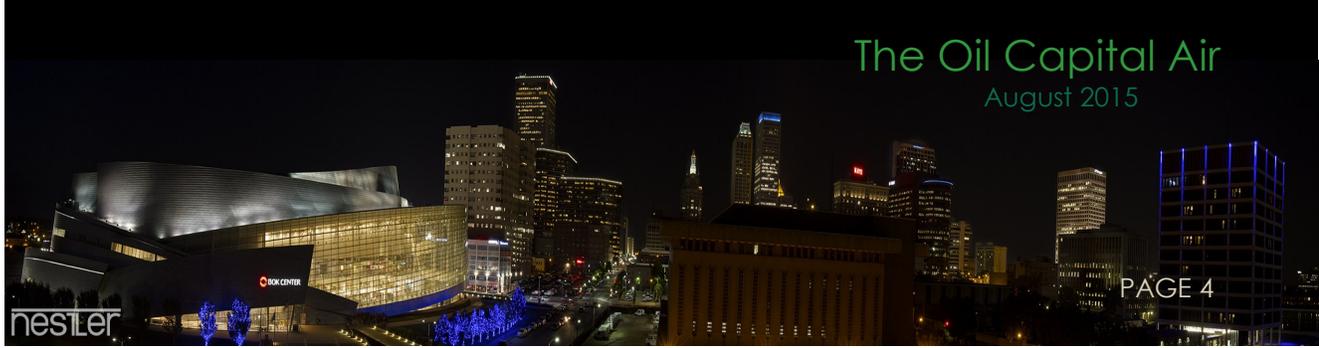
Just a quick note on the upcoming year for the Treasurer. I am learning how to think like an accountant. For those of you who have never had to do this, don't try it at home. I am learning about debits, credits, assets, routing numbers, financial planning, budgets and so on. Many new items for me to learn and get up to speed quickly. Hence, the reason we use Quicken.

This next month will be the biggest test I have with the NEOK ASHRAE Golf Tournament coming up. Many registrations are flying across my desk and I am trying to get these dollars posted to our account. Not too bad, just a lot of work the next two months getting everything right. No

worries, I am positive I will wrap my hands around all this new information and have it well under control before the tournament is upon us.

As everyone knows we use PayPal quite often now. This will be available during all of our meetings and events. We have noticed a trend that his new service is being accepted throughout our members and is being used quite frequently.

Please see our net worth reports for April, May and June on the following page.



Net Worth - As of 4/30/2015
 (Includes unrealized gains)
 As of 4/30/2015

Account	4/30/2015 Balance
ASSETS	
Cash and Bank Accounts	
BOK - Checking	11,199.36
BOK - Investment-CRC-Training	19,284.69
Jack Tumilty Scholarship Fund	30,370.48
TOTAL Cash and Bank Accounts	60,854.53
Investments	
NEOK ASHRAE	0.00
TOTAL Investments	0.00
TOTAL ASSETS	60,854.53
LIABILITIES	
Other Liabilities	
Sales Tax	0.00
TOTAL Other Liabilities	0.00
TOTAL LIABILITIES	0.00
OVERALL TOTAL	60,854.53

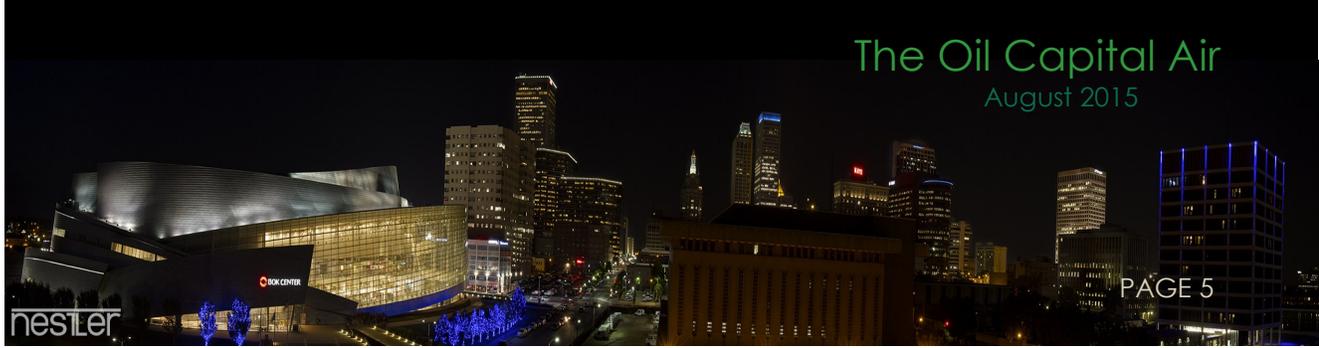
Net Worth - As of 6/30/2015
 (Includes unrealized gains)
 As of 6/30/2015

Account	6/30/2015 Balance
ASSETS	
Cash and Bank Accounts	
BOK - Checking	12,749.59
BOK - Investment-CRC-Training	19,284.69
Jack Tumilty Scholarship Fund	30,374.04
TOTAL Cash and Bank Accounts	62,408.32
Investments	
NEOK ASHRAE	0.00
TOTAL Investments	0.00
TOTAL ASSETS	62,408.32
LIABILITIES	
Other Liabilities	
Sales Tax	0.00
TOTAL Other Liabilities	0.00
TOTAL LIABILITIES	0.00
OVERALL TOTAL	62,408.32

Net Worth - As of 5/31/2015
 (Includes unrealized gains)
 As of 5/31/2015

Account	5/31/2015 Balance
ASSETS	
Cash and Bank Accounts	
BOK - Checking	12,064.98
BOK - Investment-CRC-Training	19,284.69
Jack Tumilty Scholarship Fund	30,372.29
TOTAL Cash and Bank Accounts	61,721.96
Investments	
NEOK ASHRAE	0.00
TOTAL Investments	0.00
TOTAL ASSETS	61,721.96
LIABILITIES	
Other Liabilities	
Sales Tax	0.00
TOTAL Other Liabilities	0.00
TOTAL LIABILITIES	0.00
OVERALL TOTAL	61,721.96





CHAPTER TECHNOLOGY TRANSFER

By: Brady King

We are looking forward to another year of interesting programs for our chapter. Not all slots are filled at this time, so if you have a specific subject of interest, let us know.

We are working to have the Oklahoma Energy Secretary of Energy & Environment, Michael Teague, speak. Other programs to include topics such as Engineering Ethics, ASHRAE Std 189.1-2014, refrigerants, enhancing engineering skills through neuroscience, and cooling in humid climates.

Our first regular NEOK lunch meeting will be on October 7 at 11:30am, Ti Amo's Restaurant 6024 S. Sheridan Ave.

CALL FOR AWARDS SUBMISSIONS

If you have designed a project, new or renovation, that is innovative in its approach to energy efficiency or IAQ, or has a creative approach to an unusual design challenge, you deserve to be recognized! ASHRAE's Technology Awards give you and your clients a chance to get recognition at the regional or national level. National winners are profiled in the ASHRAE Journal. If you have a project you are proud of, contact Brady King for more information.

Brady King can be reached at 918.493.2712 or brady@martinengineeringdesign.com



MEMBERSHIP PROMOTION

By: Allie Bird

As a recent transplant to the Tulsa area, it has been such a pleasure getting to know so many of you in our industry during the 2014-2015 ASHRAE year. I'd like to thank each and every one of our current members for your continued support of ASHRAE; what an amazing chapter we have here in NEOK!

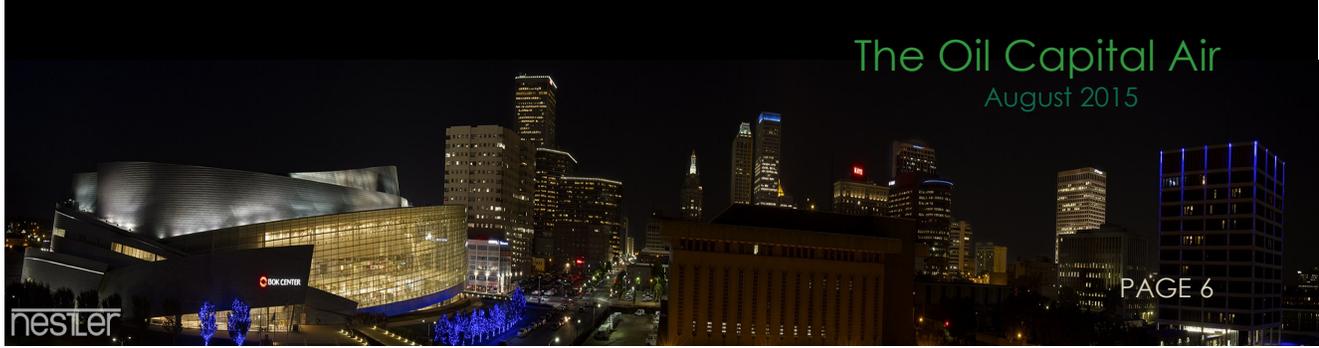
I am honored this year to serve ASHRAE for the first time as Membership Promotion Chair for the 2015-2016 year. Since July 1st we have added 4 new members. I hope to keep this pace up, with all of your help of course! If you know anyone who might benefit from ASHRAE, please refer them to me.

At this time, our delinquencies are at just over 7%. Chapter goal is 2%. Our committee will be reaching out to everyone to encourage you to renew your membership. Discounts are available for renewing for 2 and 3 years.

I have several Membership Promotion events that will be happening this year. Our first will be in conjunction with YEA, tentatively scheduled for September 24th at 6:30pm at Xtreme Racing and Entertainment. Are you 35 or under? Know someone who is? Have a need for speed? Mark your calendars to join us. Everyone is encouraged to bring a non-member 35 or under for a night of fun. As always any member is welcome to join us, this is a great way to introduce yourself to our younger members!



Allie Bird can be reached at 918.998.0016 or abird@eei-ok.com



YEA

By: Kyle Bowing & Brian Biggerstaff

As we approach August we are looking forward to making YEA Happy Hours or Events a monthly occurrence. We will try to have an event the last Thursday of every month so be sure to set a reminder in your calendars. We would also like to remind everyone that ASHRAE YEA is open to both Members and Non-Members age 35 and under.

Our first happy hour will take place on Thursday, August 27 from 5 -7 pm at Baker St. Pub and Grill. We invite you out to enjoy drinks and appetizers while getting a chance to network with others involved in our industry. Keep an eye out for a flyer in the near future. Our first event will be Go-Kart Races at the newly opened Xtreme Racing and Entertainment facility in Broken Arrow. We invite everyone out for a fun night of friendly competition on September 24 at 6:30 pm. For information regarding possible company sponsorships for these events please contact Kyle or Brian.



Kyle Bowing can be reached at 918.825.7222 or kyleb@rae-corp.com

Brian Biggerstaff can be reached at 918.624.1005 or bbiggerstaff@eei-ok.com



STUDENT ACTIVITIES

By: Brian Murray

Summer is almost over and the start of school is getting close. New students will be arriving on campus which brings opportunities to connect and to show them what ASHRAE can do for them. I have contacted TU, OSU Tulsa, OSU IT and ORU to hopefully get the year started off quickly and recruit some active college students. I am hoping to have one NEOK ASHRAE meeting on a college campus this year if we can make our schedules align.

This September also brings up our annual golf tournament at White Hawk. I have mentioned to the respective professors that we would like to have some of their students join us. When we get a team together I would like to see a company, or two, pitch in to sponsor them. Let me know if you are willing to do this.

Brian Murray can be reached at 918.665.6000 or brian@airtechcorp.com



GGAC

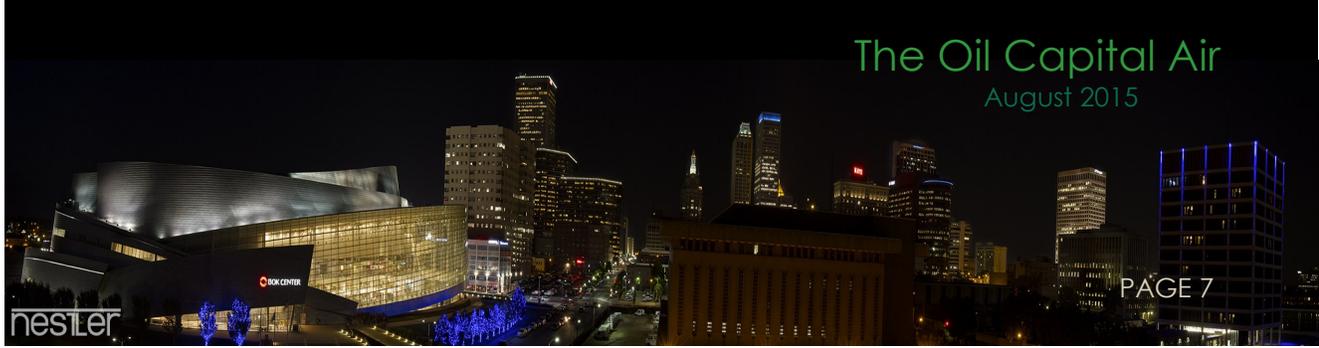
By: Chad Smith

GEARING UP FOR A BIG YEAR

For those who don't know, the GGAC is the Government Grassroots Advocacy Committee. Our focus is to make local and state government officials aware of ASHRAE's positions on various issues affecting our industry and to offer our chapter members as resources to public officials if needed as a resource.

This year, we hope to expand our presence in our area through direct meetings and technical presentations. We are working with Brady King to try and schedule speakers this year from our different areas of city and state government in an effort to create a dialog on issues facing

(Continued on page 7)



(Continued from page 6)

our industry today and communicate ASHRAE's position with our local leaders.

We will also be scheduling another Day on the Hill this year at our State Legislature. This was very successful last year and we hope to continue to build on conversations that were started in with a lot of those contacts from last year's Day on the Hill. If you are interested in joining us for the Day on the Hill or any of the other activities this year, please contact Chad Smith at the contact information below.

If you are already currently involved with local or state code development, adoption, or enforcement, please contact me to discuss how ASHRAE can provide additional resources. Thanks.

Chad Smith can be reached at 918.665.6000 or chad@airtechcorp.com



SUSTAINABILITY

By: Clair Farr

Upcoming Sustainability Events

For those of you interested in learning more about sustainable industry practices, here are a number of upcoming local and national events you may want to add to your calendar. The name of each event is linked to a relevant website for more information. Let's bring this information to our daily work to create a more sustainable future in Oklahoma.

[Sustainable Tulsa's August B2B Case for Sustainability](#)

Thursday, Aug. 20th at OSU Tulsa

Learn more about OSU-Tulsa's behavioral energy conservation program, the motivations of "aspirational consumers," and Sustainable Tulsa's first business sustainability scorecard program.

[World Energy Engineering Congress](#)

Sept. 30th- Oct. 2nd, Orlando FL

Held annually, the WEEC features a large, multi-track conference agenda, a full line-up of seminars on a variety of current topics, and a comprehensive exposition of the market's most promising new technologies.

[International Ground Source Heat Pump Association Conference and Expo](#)

October 6th-8th, Kansas City MO

The IGSHPA Technical Conference and Expo will feature a wide variety of geothermal community representatives, including manufacturers, contractors, distributors, drillers and other industry resources.

[ASHRAE Online Seminar: Energy Management Best Practices](#)

Monday, Oct. 12th

Buildings use 40% of US energy, of which one-third can be easily saved. To achieve this goal, building professionals can utilize energy management. This is an orderly process in which managers use resources at their disposal to accomplish clear, energy-saving objectives. This course weaves together energy management principles of the ASHRAE Handbook-HVAC Applications, Energy Star Guidelines, and practical experience of successful energy managers.

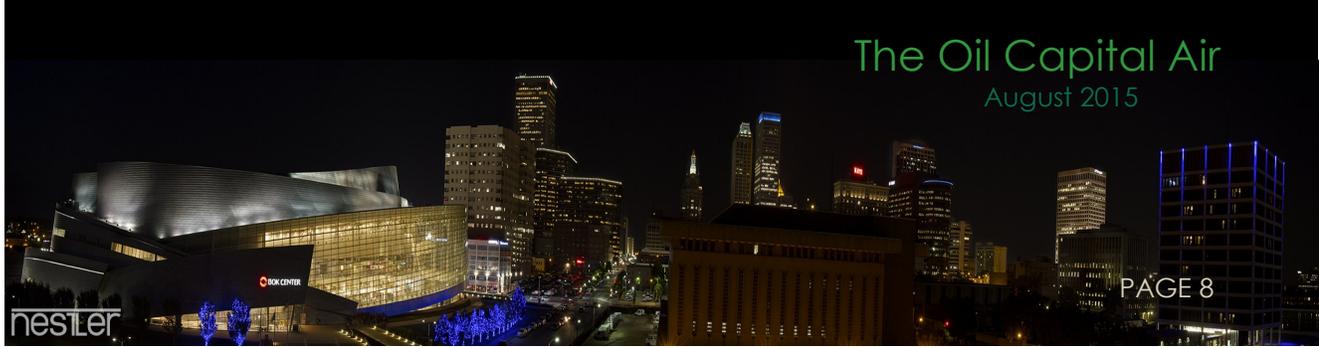


[Greenbuild 2015](#)

Nov. 18th-20th, Washington DC

Greenbuild is the premier event for sustainable building. Featuring three exhilarating days of uplifting speakers, unmatched networking opportunities, technology showcases, LEED workshops and tours of green buildings in

(Continued on page 8)



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Washington, DC, Greenbuild offers a place for thousands to gather and renew their commitment to the green movement.



Oklahoma Governor's Energy Conference: The Game Has Changed

Tuesday, Nov. 10th at the Cox Convention Center in OKC

The Governor's Energy Conference brings the diverse Oklahoma energy industry together, connecting top policy makers and implementers with industry executives, stakeholders and business leaders from around the state.

Clair Farr can be reached at 918.279.6450 or cfarr@es2ok.com



HISTORY

By: Gene Redford

Before I continue with the past president of our chapter I thought I would insert a bio of one of our recent past presidents who has had a very interesting career in our industry. Steven H. Johnson was our chapter president in 2004-2005. I first met Steve when he started at Natkin & Company as a plumber apprentice around 1973. Steve moved up in the ranks of his field and started helping in the office on estimating some of the large projects Natkin was bidding. I remember attending Steve's reception for his first marriage to Herb Streater's daughter held on the top floor at the University Club Towers. Steve managed to stay with Natkin through many changes in the company until 2001 at which time he went to work for Omni-2. Steve advanced to assistant vice president while at Omni-2, estimating and running many of their projects over the next 3 years. During his time at Natkin, Steve and Tom Owens became good friends. Tom had already left Natkin and bought McIntosh Services, so as Tom was growing his new business adventure, he started searching for people to help him grow. Timing was right when Steve decided to join Tom at McIntosh in August of 2004 as a project manager.



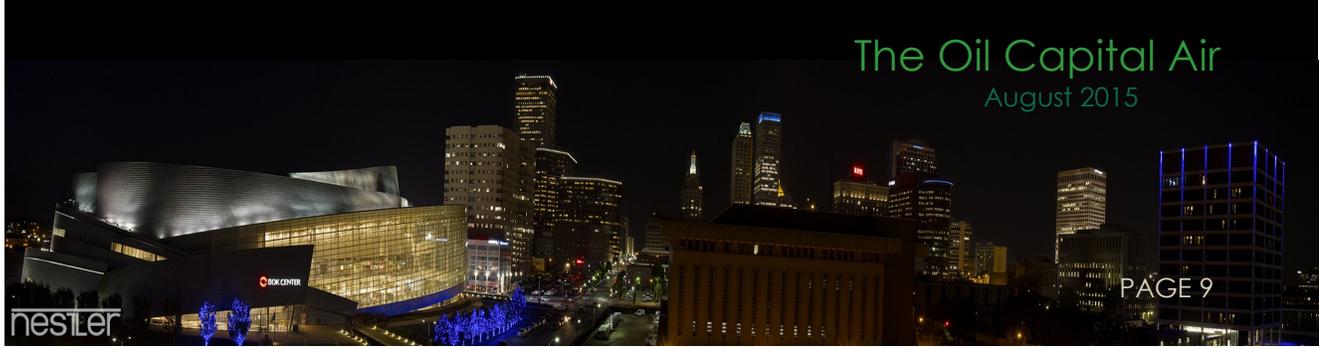
A few of the projects Steve has been project manager over are; Hard Rock Hotel & Casino, BOK Area in Tulsa, St. John Medical Center Courtyard Infill, Claremore Indian Hospital, Renaissance Hotel and Conference Center, Sabre Secure Data Center, and World Com-USA. It did not take long for Steve to advance to department head running their large projects and overseeing day to day activities of all of their projects. In January of 2010 Steve became vice president of the company. McIntosh continued to grow and in January of 2015 Steve was appointed to president of the new division of McIntosh Mechanical LLC a division of McIntosh Corporation.

During this time Steve became active in our chapter as treasurer in 2001. He moved up through the chairs becoming chapter president in 2004-2005. Steve also served his term as chapter regional alternate and delegate for CRC. He has also served several years as a board member.

As you can see, Steve has had a very busy career and some great opportunities to advance his career with lots of hard work and dedication to this industry. If you don't see Steve around very much it is because he stays very busy with his work and takes it serious.

Next time you get an opportunity to say hi to him please congratulate him on a job well done.

Gene Redford can be reached at 918.270.1414 or redford.g@mcintoshok.com



HONORS AND AWARDS

By: Mike Beda

Biographical Record Update

July 1, 2015 was the start of the new ASHRAE year. President LeAnna Reynolds is our new leader for the 2015-2016 and has requested I look for additional candidates for Chapter, Regional and Society awards.

If you have served as a chapter committee chairman, officer, BOG member or Society appointed or volunteer member, subcommittee chair or chairman, it's time to update your Bio.

Follow these steps on the ASHRAE website: <https://www.ASHRAE.org>
On the home page, click on Membership & Conferences, then on My Membership from the pull down menu. Under manage personal information, click on 'How to update your ASHRAE biographical record'. Follow the steps to create, add or edit your bio.



Mike Beda can be reached at 918.664.0312 or mike@pecook.com



REFRIGERATION

By: Robert Boozer

Some of you know me and many of you may not. For those who don't my name is Robert Boozer, and I am a sales engineer for Hydronic Systems, a graduate of the Georgia Institute of Technology, and pretty excited to be working as the committee chair of refrigeration for ASHRAE. With the first article of the year I wanted to share some of the goals for the refrigeration committee this year.

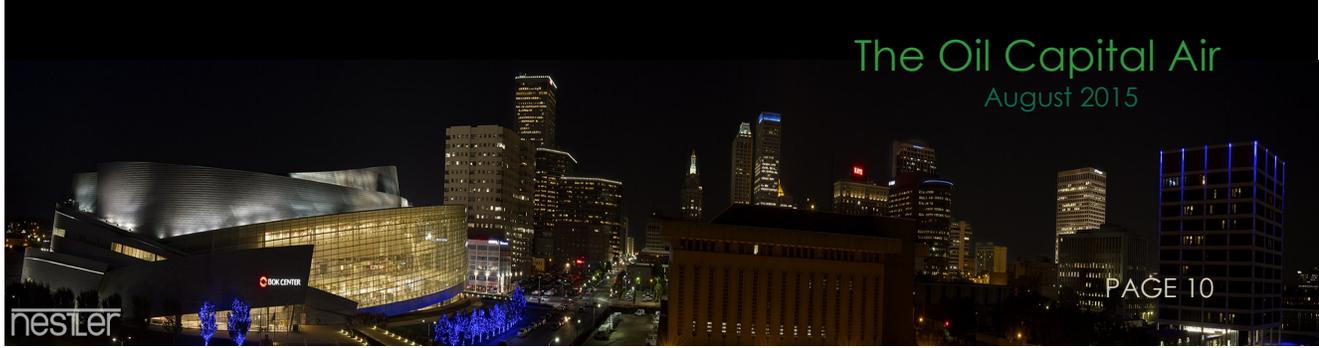
First, we can't have much of a committee chair without having a committee. Therefore I am looking for a few individuals who are interested in being on a panel. Responsibilities will consist of being available for a meeting once a month, helping to develop the important action items we are responsible for (more on that in a second), and creating some new and innovative ways we can become an active committee within our chapter.

The most important item the refrigeration committee has is providing our chapter with a fun, entertaining, and educational tour of a refrigeration facility. We currently have some ideas but certainly have some time, and would love to hear from our chapter members. If you have an idea of a facility, process, or refrigeration event please let me know!

If you would like to hear a little more about joining the committee (meeting times are currently flexible - thinking somewhere for happy hour, I'll buy the first round), have an idea for our upcoming tour, or would like to reach out to me for any reason please don't hesitate to email me at the address below.



Robert Boozer can be reached at 918.665.6000 or Robert.boozer@hydronicssystems.com



BOG AND LRP MEETING MINUTES

By: Nolan Chance

Board of Governors Meeting Minutes April 2015 (Provided by Matt Peterson)

Chapter: Northeastern Oklahoma Chapter 069

Meeting Date: 04/21/2015

Attendees: Mike Beda, Robert Schatz, Dan Owens, Jacob Koch, Jeff Ferguson, Duane Harman, Brian Murray, LeAnna Reynolds, Nolan Chance, Ray Gomez

The NEOK Chapter Board of Governors (BOG) meeting was held on April 21st, 2015 at Ti Amo Restaurant.

Chapter President Robert Schatz called the meeting to order at 4:35 PM.

Minutes: (Matt Petersen) March BOG and April chapter meeting minutes were approved as submitted. M. Beda made the motion and D Owens seconded.

Treasurer: (Duane Harman) Reviewed March financials. We discussed the online vs in person rate being charged by Paypal here. The online rate being charged is higher than what we were told when we signed up. Jeff will follow up with Paypal to get this clarified. All booster invoices are paid in full. Lee and Browne sponsored 3 student meals. Process Equipment company sponsored the remaining 4 students. The financials were filed for audit.

Newsletter: (LeAnna Reynolds) Need articles by May 4th.

Research Promotion: (Paul Oman) We are currently at 105% of our goal for ASHRAE research. We still have the spring shooting event coming up. Paul will bring names of companies that have not paid golf invoices yet to next meeting.

Membership Promotion: (Nolan Chance) Our membership paying local dues has dropped significantly from last year to this year. Nolan will look into this further to see

Special Events: (Mary Goins) Mary is generating a list of local companies to ask for donations for the spring shooting event. Jacob volunteered to work at the event.

Awards: (Mike Beda) We have (2) chapter service award nominations and (1) regional service award nominations.

Old Business: LeAnna asked for feedback on meeting dates for next year. We discussed holding our meeting the second week of the month instead of the 3rd week. It was discussed to go ahead and submit dates of LeAnna's choosing to Ti Amo for the coming year. LeAnna will talk to Central Oklahoma and NW Arkansas to help decide about which week to hold our meeting.

New Business: Sapulpa Robotics Team sponsorship. We will make \$250 sponsorship of the robotics team this year. We will present a check to the team at the May chapter meeting. Outstanding invoices for tax preparations will be paid.

The meeting was adjourned at 5:40 PM.

Board of Governors Meeting Minutes May 2015 (Provided by Matt Peterson)

Chapter: Northeastern Oklahoma Chapter 069 **Meeting Date:** 05/21/2015

Attendees: Robert Schatz, Matt Petersen, Jeff Ferguson, LeAnna Reynolds, Paul Oman, Mary Goins, Nolan Chance, Jacob Koch, Mike Beda, Claire Farr, Ray Gomez, Wes Replogle

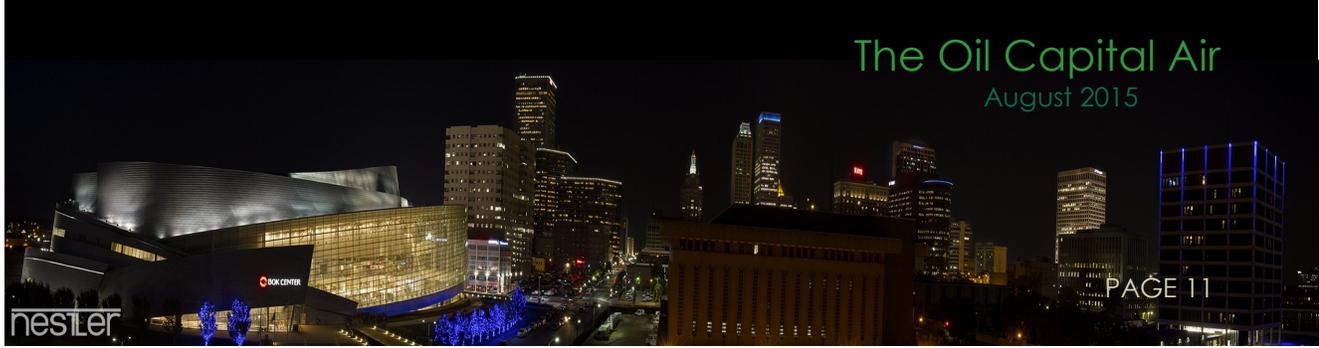
The NEOK Chapter Board of Governors (BOG) meeting was held on May 21st, 2015 at Ti Amo Ristorante.

Chapter President Robert Schatz called the meeting to order at 4:36 PM.

Minutes: (Matt Petersen) April BOG and May chapter meeting minutes were approved as submitted. M Beda made the motion and C Farr seconded.

Treasurer: (Jeff Ferguson) Reviewed April financials. Provided a booster update. It was decided to pay for the student lunches out of the Student Activities budget. 54 people at the last meeting, with 11 of these being guests. Averaged about 45 people at each meeting. The financials were filed for audit.

Newsletter: (LeAnna Reynolds) No update, no newsletter scheduled to be submitted in June.



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Research Promotion: (Paul Oman) More money came in, \$338 was received from the half-pot drawing. We have 3 sponsors from the golf tournament that have not paid. Invoices have been sent along with emails. Board members will contact these participants to push for payment in June.

Special Events: (Mary Goins) We have 21 people registered for the skeet shoot. Goal was 50 from the survey responses. There are so far seven door prizes and one trophy. Raffle is still going on.

Membership Promotion: (Nolan Chance) Delinquencies are down to about 12 before CRC, additional 4 or 5 came in May. Looking at members that can be moved up from Associate to Member status. Members should look at the length of time being a member since it is the members responsibility to request the status change. Will bring delinquent list to next BOG.

Awards: (Mike Beda) We submitted our nominees and they have been approved.

Sustainability: (Claire Farr) If anyone is interested there will be a certified energy manager in OKC through AEE at the end of July. Discussed Sustainable Tulsa.

Other Discussion Items: Financial audit.

New Business: OSU-IT student is looking for internship, Revit drafting, certified and is pursuing Architectural Design.

The meeting was adjourned at 5:25 PM.

Chapter Meeting Minutes May 2015 (Provided by Matt Peterson)

Chapter: Northeastern Oklahoma Chapter 069 **Meeting Date:** 05/20/15

Compiled By: Matt Petersen

The NEOK Chapter Meeting was held on May 20th, 2015 at Ti Amo Ristorante.

Chapter President Robert Schatz called the meeting to order at 11:37 AM and welcomed everyone.

Robert mentioned the half-pot was up to about \$600, and we will draw until someone wins. Also, that there is a new raffle for a 20-ga. Shotgun that will be given away at the shooting event. To purchase tickets see Pam Dunlap.

Robert recognized all award recipients from the CRC this year. Duane Harman received the PAOE awards for his presidency term. The chapter received the Premier Award, Honor Roll, and Special Citation. Mary Goins received awards for Research Promotion in addition to the Goal Certificate, Full Circle Chevron, Endowment Chevron, Scholarship Patch, Bronze Treasury Ribbon, Size Winner for PAOE, Dollar Paid per Member, and Total Dollars Raised. Chad Smith received the award for GGAC for organizing the very first "Day on the Hill" at the Oklahoma State Capitol. Justin Stonehocker brought home the award for best maintained website, and LeAnna Reynolds took home the award for the best newsletter.

Robert Schatz led the pledge and delivered the blessing before lunch started. The half pot drawing was held and the Ace of Spades was drawn by one of the Sapulpa Chieftains Robotic team. Final tally was \$676 raised, with half going to Research Promotion. Joel Karstetter brought up the new chapter officers to swear them in. These are LeAnna Reynolds as President, Jeff Ferguson as President Elect, Matt Petersen as Treasurer and Nolan Chance as Secretary. Nolan was not present and will have to be sworn in at a later date. The new Board of Governors was also recognized, with the next BOG meeting to be held Thursday, May 21st at Ti Amo. Robert Schatz gave a brief speech and ceremonially handed the reins to LeAnna. Then LeAnna presented Robert a certificate of presidency and past president's pin. LeAnna then introduced the Sapulpa Chieftain Robotics Team which gave a short presentation on this year's competition. LeAnna also present the team with a \$250 donation from the NEOK chapter.

Brady King then introduced Christian Bach, a guest speaker from OSU with a topic of the ASHRAE research programs and updates going on at OSU.

Brady King introduced Kelly Rowland of AEP/PSO who presented the Power Forward presentation, where AEP/PSO

(Continued on page 12)



(Continued from page 11)

will offer assistance on power management, rebates, and assistance in applying for power forward programs. LeAnna thanked the speakers, the robotics team and asked all guests to stand up and be recognized. She mentioned the BOG meeting is tomorrow, the shooting event is May 28th with the Rifle Raffle and for everyone to have a fun and safe summer. Our first meeting and event next fall will be the golf tournament to be held on Sept. 10th. The chapter meeting was adjourned at 1:12 PM, with a reminder to turn in name badges.

Board of Governors Meeting Minutes June 2015

Chapter: Northeastern Oklahoma Chapter 069 **Meeting Date:** June, 25th 2015

Attendees: Robert Schatz, Matt Petersen, Jeff Ferguson, LeAnna Reynolds, Paul Oman, Nolan Chance, Brady King, Brian Murray, Gene Redford, Andrew Sneed, Justin Stonehocker, Mike Beda, Duane Harman, Claire Farr, Dan Owens, Chad Smith, Ray Gomez, Robert Boozer, Alie Bird

The NEOK Chapter BOG Meeting was held on June 25th, 2015 at Ti Amo Ristorante.

Incoming Chapter President LeAnna Reynolds called the BOG meeting to order at 11:39AM.

Minutes: May BOG and Chapter Meeting minutes were approved as submitted. D Owens made the motion and M Beda seconded.

Old Business: Totals for the shooting event were provided by Paul Oman and were better than expected. 36 people participated and the chapter had a net income of \$1,085.

Chad Smith Reported that the Audit will be completed by June 30th, 2015

Nolan Chance reported that there were 32 remaining people to contact about renewing membership.

Long Range Planning Meeting Minutes June 2015

Chapter: Northeastern Oklahoma Chapter 069 **Meeting Date:** June, 25th 2015

Attendees: Robert Schatz, Matt Petersen, Jeff Ferguson, LeAnna Reynolds, Paul Oman, Nolan Chance, Brady King, Brian Murray, Gene Redford, Andrew Sneed, Justin Stonehocker, Mike Beda, Duane Harman, Claire Farr, Dan Owens, Chad Smith, Ray Gomez, Robert Boozer, Alie Bird

The NEOK Chapter Long Range Planning Meeting was held on June 25th, 2015 at Ti Amo Ristorante.

Chapter President LeAnna Reynolds called the meeting to order at 11:49AM.

President: LeAnna Reynolds- Packets/manuals were assembled for each chair to use as a reference for their duties and responsibilities. It was agreed upon that the meeting location would stay at Ti Amo and a motion was put in place and seconded by Mike Beda to reserve large meeting room by guaranteeing 50 spots for each meeting.

CRC Action/PAOE: Robert Schatz- Is going to target working directly with chairs to make sure PAOE points are captured and entered in a timely manner.

Newsletter: Articles are due July 22nd for August newsletter. Pictures from gun shoot were needed to include in newsletter. New chairs need to get their headshots to Jeff for the newsletter.

Treasurer: Jeff Ferguson- Audit to be completed by June 30th. Matt Petersen to have preliminary budget by July which can be reviewed by BOG. Treasurer will check in people at meetings along with Nolan Chance- secretary

Secretary: Nolan Chance- Will plan on assisting with the check in process during our monthly meetings to help with the check in line.

Attendance/Reception: Andrew Sneed- plans on having a list of delinquent members for the current month so he can remind them at our monthly meeting. Andrew will also help with the check in process.

CTT Chapter Programs: Brady King- Is looking to coordinate with other regional chapters to possibly share program speakers.

GGAC: Chad Smith- Looking at the potential of adding a GGAC section to our website. He will follow up with Justin on possibility of having this added.

Historian: Gene Redford- Has been continuing to compile pictures to upload to our website. Asked that if anybody

(Continued on page 13)



(Continued from page 12)

has additional pictures in their archives to please forward them on.

Honors and Awards: Mike Beda- The chapter was able to get 2 people nominated last year but we need to identify additional people within our chapter that could be potentially nominated. There are past presidents that need to still serve on regional positions in order to qualify. Also need to identify hall of fame nominations.

Membership Promotion/Publicity: Allie Bird- Scheduled to attend centralized training in Atlanta. Will look to coordinate events with YEA this year to maximize PAOE points. We will have a designated photographer for our events so we can upload pictures to our Facebook. Claire Farr will assign new LinkedIn admin.

Refrigeration: Robert Boozer- Is trying to identify a tour that would incorporate a larger system to incorporate more pieces of the process/ equipment. He plans on getting a committee together to discuss options.

Research Promotion: Paul Oman- We were short on our High 5 goal this year, but will have a good start in August and September.

Special Events: Mary Goins- Was not present but will have updates on golf tournament at next meeting. Our tournament date is reserved for Thursday, September 10th.

Student Activities: Brian Murray- Working on identifying schools in the area. Discussed the idea of hosting a chapter meeting at one of the local colleges.

Sustainability: Claire Farr- Will concentrate on maximizing PAOE points by counting her dealings with government officials on state jobs. She is also looking into possible options for a sustainability project that the chapter can sponsor.

Directory/Website: Justin Stonehocker- Has still been paying website hosting fee with personal credit card, but will look into possible different ways to pay this moving forward. He encouraged new chairs that will need to update the website to review the website instructions and videos. Once training is completed he will set them up with login credentials. He emphasized that he can be contacted with issues or updates needed to the website.

YEA: Brian Biggerstaff- Plan on hosting an event next month. Want to get corporate sponsorships for happy hour events so they can plan accordingly.

Other Discussion Items: Gene Redford volunteered to host BOG meetings at McIntosh while the construction is taking place on Sheridan Road. It was agreed that we would stay at Ti Amo but that option is there if it becomes a problem.

Bill Klock will be attending the October Meeting and wants to meet with the BOG beforehand.

Long Range Planning meeting was adjourned at 1:03PM.

Nolan Chance can be reached at 918.664.0312 or nolan@pecook.com

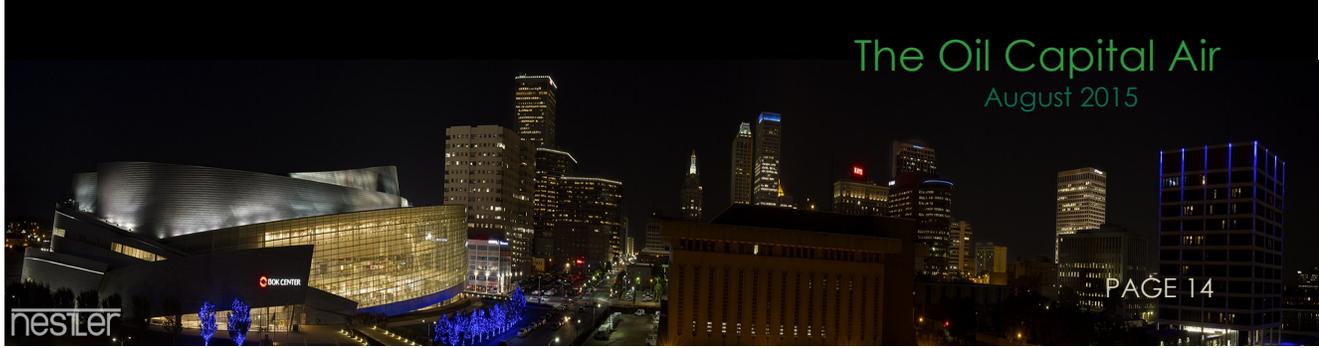


ONLINE COMMUNICATIONS

By: Justin Stonehocker

Another exciting year is upon us as we return from our summer hiatus. Just as the seasons, weather and temperature can change, so too will we implement some minor changes in our online communications. Be watching for additional pages to be added to our chapter website for the upcoming year. We hope to share a new appreciation and vision as we look into the future for challenges ahead, and pay tribute to the historical path that has lead us to where we are today. Also, be on the lookout for supplemental methods of communication as we continue to expand our outreach in order to better serve our members and community. If you have any questions or concerns, please feel free to contact me directly. My contact information is posted on our chapter website: <http://www.ashrae-neok.org>

Justin Stonehocker can be reached at 918.279.6450 or jstonehocker@es2ok.com



ASHRAE SOCIETY NEWS

By: Jeff Ferguson

Greetings to our local NEOK ASHRAE Chapter representing Northeast Oklahoma!

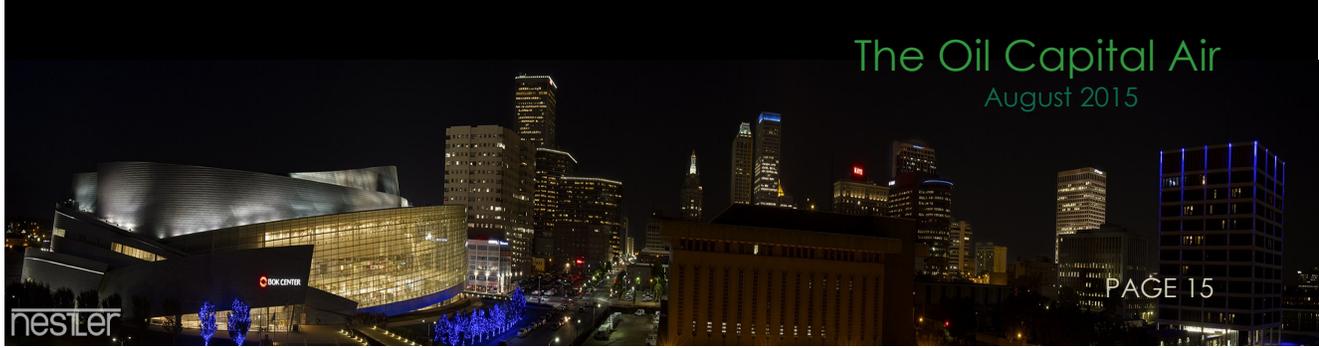
I am the Newsletter Editor for our chapter this 2015-16 season and following in the very capable footsteps of LeAnna Reynolds. By the way, LeAnna also happens to be coming off an award-winning year as our chapter was awarded Best Newsletter of Region VIII at the 2015 CRC in Fort Worth, TX. A big thanks to LeAnna for assisting me in this transition as both President-Elect and Newsletter Editor. Also, I wanted to thank Robert Schatz, our 2014-15 President, for his very excellent leadership and service to our chapter this last year. For August I wanted to focus your attention on a few of the ASHRAE Society happenings at the national level and remind you of a few 2015-16 events that you will want to plan for. These news briefs and conference announcements can be accessed for further detail on the ASHRAE website: www.ashrae.org. Thanks and I'm glad to be serving in this capacity for the year. If you have any ideas or suggestions to continue to make this the best Newsletter in Society please don't hesitate to contact Jeff Ferguson at (918) 877-6000 or email me at jferguson@cyntergvaec.com.

Society News:

- 2015 ASHRAE Handbook Focuses on Applications – Check out the two new chapters: Chapter 61, Smart Building Systems; Chapter 62, Moisture Management in Buildings
- New ANSI/ASHRAE Standard: “Standard 188-2015, Legionellosis: Risk Management for Building Water Systems.” This is a long awaited industry guide on legionellosis and includes critical input from industry professionals related to a preventable disease that proves fatal in over 10 percent of the reported 8,000 – 10,000 annual cases.
- ASHRAE has announced a call for paper for the 2016 Annual Conference in St. Louis, MO, June 25-29.
- ASHRAE and the US DOE recently renewed their memorandum of understanding underscoring their common commitment to improving energy efficiency in buildings.
- For you ASHRAE history buffs, ASHRAE recently installed a display of the first electric refrigerator at their headquarters in Atlanta, GA. This model was manufactured 100 years ago.
- ASHRAE's High-Performance Building Design Professional (HBDP) certification has recently received accreditation from ANSI. This third-party designation only validates the quality of ASHRAE's certification programs.
- ASHRAE Installs New Society Officers for 2015-16: President – T. David Underwood, P.Eng.; President-Elect – Timothy G. Wentz, P.E.; Treasurer – Bjarne W. Olesen, Ph.D.; Vice Presidents – Walid Chakroun, Ph.D., Patricia Graef, P.E., Charles “Chuck” E. Gullledge III, P.E., and James K. Vallort. These officers are elected to a one-year term.
- ASHRAE Publishes New Design Guide – “ASHRAE Design Guide for Tall, Supertall and Megatall Building Systems”. This Guide is an update to a previous version from 2004 and covers buildings in the range of 300 feet to beyond 1,968 feet tall.
- ASHRAE and the Indoor Air Quality Association (IAQA) now offer dual membership programs.

Society Events/Conferences:

- ASHRAE Energy Modeling Conference, September 30 – October 2, 2015, Atlanta, GA
- ASHRAE Winter Conference, January 23-27, 2016, Orlando, FL
- ASHRAE Annual Conference, June 25-29, 2016, St. Louis, MO
- IAQ 2016 Defining Indoor Air Quality, September 12-14, 2016
- Finally, don't forget you can still access the 2015 conference proceedings (Atlanta and Chicago) via the Virtual Conferences available at ASHRAE's website under Conferences/Virtual Conferences.



2015 NEOK ASHRAE

September Meeting Golf & Picnic



Featuring Special show and appearance by: Jason Eslinger

- 2015 WINSTAR Winner with 403 Yard Blast
- 5 Time RE/MAX World Long Drive Finalist
- 3 Long Drivers of America (LDA) Tour Wins
- 7 Professional Long Drive Tournament Wins
- 2010 LDA Leading Money Winner
- Longest drive in competition: 447 yds
- Over 400 yds 58 times in competition

Proceeds To benefit: ASHRAE RESEARCH

- Date:** Thursday, September 10, 2015
- Entry Fee:** \$110.00 per player at check-in
\$100.00 if received on or before Friday August 28
- Time:** 10:30 am - Tournament check in starts.
11:15 -11:45 am - Putting Contest
1:00 pm - Golf shotgun start with interaction with Jason on Par 5.
- Chargriller Picnic inside pavilion after tournament "Meet and Greet Jason"
- Place:** White Hawk Golf Club
14515 South 49th East Avenue, Bixby, OK
(918) 366.4653 · whitehawk.americangolf.com



Format: Four person scramble with individuals making up their own teams. Single entrants will be accepted and assigned to a team by the tournament organizers. **Please turn in the average score of each entrant** so that team handicaps can be established for net prizes.

If rain occurs we will make every effort to reschedule tournament. Entry fees will be donated to ASHRAE Research if you don't

GOLFER'S NAME	COMPANY	HANDICAP/ AVERAGE	MULLIGANS \$5.00ea (LIMIT 5)

attend.

PICNIC ONLY \$ 25.00 PER PERSON. All proceeds to be donated to the ASHRAE Scholarship Fund)

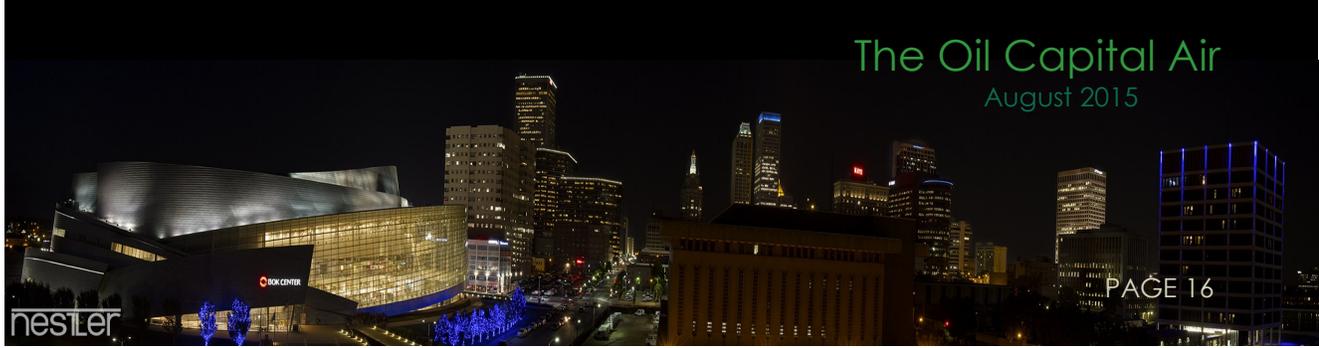
Door Prizes are needed and appreciated.

TOTAL AMOUNT ENCLOSED _____

Entry forms can be faxed or e-mailed to: Mary Goins mary@flowmaticsinc.com

Checks Must be made payable to : NEOK ASHRAE and mailed to:

NEOK ASHRAE PO Box 52746
Tulsa, OK 74152



NEOK Chapter ASHRAE RESEARCH PROMOTION 2015-2016
Thursday September 10th, 2015 | White Hawk Golf Club
SPONSORSHIP OPPORTUNITIES

Jason Eslinger Hole Sponsor \$2000.00

Sponsored By EEI

Beverage Cart Sponsor \$1000.00

Sponsored By ES2

Putting Contest Sponsor \$750.00

(QTY Available=1)

Banner on the putting green

(4) Fully paid participants for tournament

10 Mulligans

One dozen golf balls

Research Promotion Donation (tax Credit) \$500.00

Dinner Sponsor \$1500.00

(QTY Available=1)

Signage and recognition at event

(4) Fully paid participants for tournament

10 Mulligans

One dozen golf balls

Research Promotion Donation (tax Credit) \$1250.00

Special Combo Package \$1000.00

Combo Flag/Hole Sponsor

(4) Fully paid participants for tournament

10 Mulligans

One dozen golf balls

Research Promotion Donation (tax Credit) \$750.00

Please make two checks for the sponsorships listed above:

1) Payable to: ASHRAE RESEARCH (tax credit amount)

2) Payable to: NEOK ASHRAE Chapter (balance).

Beverage Sponsor at Long Drive Tee Box \$750.00

Sponsored By EEI

Flag Sponsor \$350.00

Flag on one of 17 holes

You retain flag after tournament

Research Promotion Donation (tax credit) \$350.00

Combo Flag/Hole Sponsor \$500.00

(Same as last years)

Flag and Sign on one of the 17 holes

You retain the flag after tournament

Chapter retains sign for future tournaments

Research Promotion Donation (tax credit) \$500.00

Hole Sponsor \$250.00

Sign on one of 17 holes

Research Promotion Donation (tax credit) \$250.00

Please make one check for the sponsorships listed above:

1) Payable to: ASHRAE Research (tax credit amount)

Major ASHRAE Research Donation Sponsorship

A \$500 Donation to Research will upgrade your position with a Bronze Coin and Wooden Plaque in Recognition Ceremony during 2015 ASHRAE year.

Sponsorship Name _____ \$ _____

Company Name _____

Contact Name _____

Address _____

Phone: _____ **Email** _____

Mail checks & Form to:

NEOK ASHRAE PO Box 52746

Tulsa, OK 74152

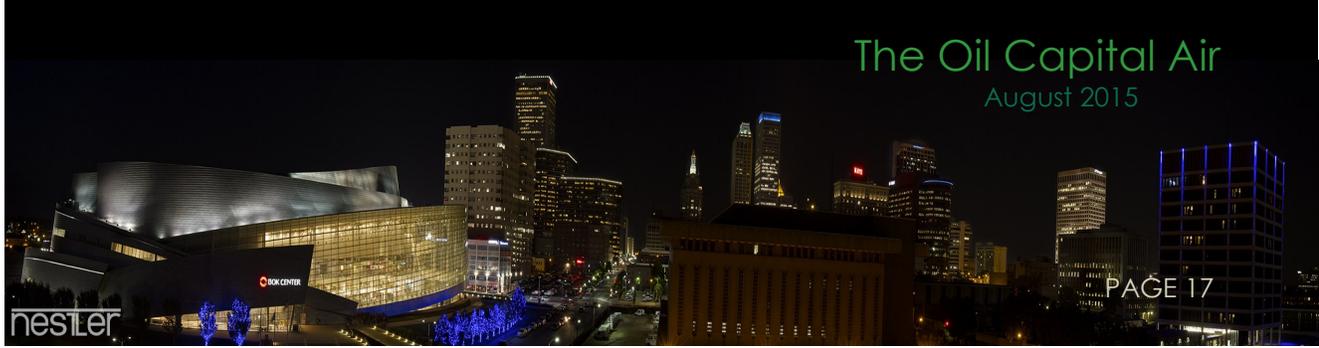
Email Form to: poman@federalcorp.com Cc: marv@flowmaticsinc.com

You will be invoiced for your records

Contact Paul Oman at (918) 249-1918 if you have questions.

DEADLINE AUGUST 21st

We cannot post your hole sponsorship without a completed form. Your cooperation is appreciated!



NEOK BOOSTER TICKET APPLICATION 2015-2016

Individual Booster Ticket	(Name)	@ \$175	\$
Corporate Booster Ticket	Qty.	@ \$175	\$
Corporate Booster Meals	Qty.	@ \$25	\$
Student Booster Ticket	Qty.	@ \$175*	\$
Student Meals	Qty.	@ \$25*	\$
		TOTAL PAID:	\$

* Tax deductible donation for the benefit of the Chapter

Company Name: _____ Contact Person: _____

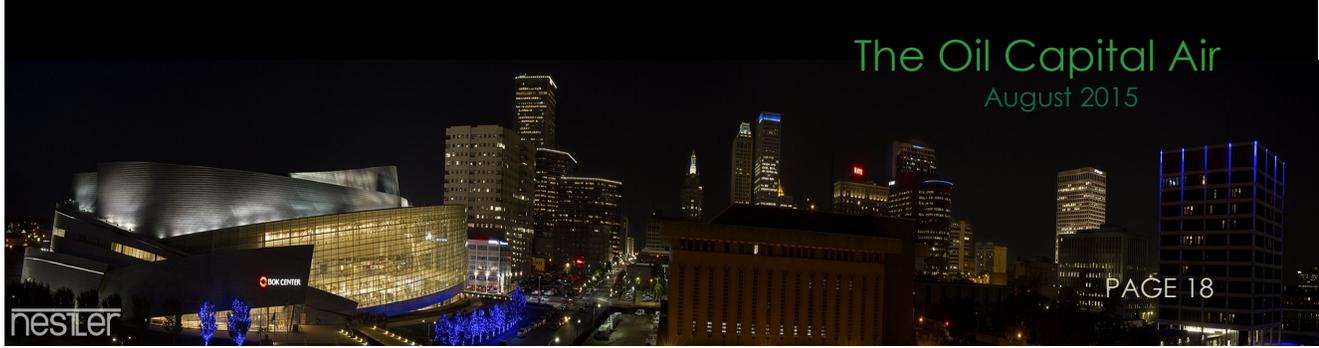
Address: _____

Phone: _____ Email: _____

Make checks payable to: NEOK ASHRAE

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





2014/2015 Programs

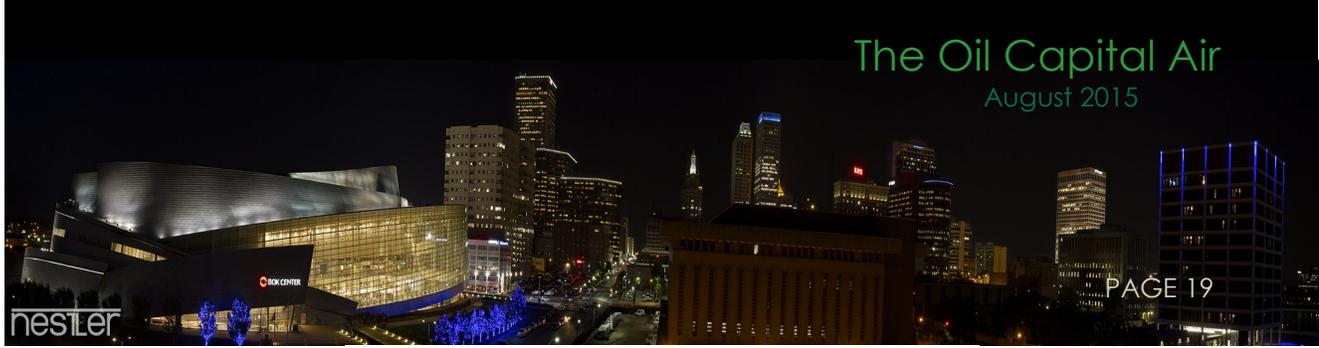
Date	Main Program	Speaker	Theme and Special Guests
09/10/2015 Lunch	Golf Tournament at White Hawk Golf Course	Golf Tournament at White Hawk Golf Course	Golf Tournament at White Hawk Golf Course
10/7/2015 Lunch	TBD	TBD	TBD
11/4/2015 Lunch	TBD-Std 189.1-2014	TBD	TBD DL
12/2/2015 Lunch	TBD	TBD	TBD
01/7/2016 Lunch	TBD	David Underwood, ASHRAE President	David Underwood, ASHRAE President
02/3/2016 Dinner	Annual Research Auction	Annual Research Auction	Annual Research Auction
03/2/2016 Lunch	TBD	TBD	TBD
04/7/2016 Dinner	TBD	TBD	DL Shared from Arkansas Chapter
05/4/2016 Lunch	TBD	TBD	TBD

If you know of any unique projects, including BEQ ratings, let us know so we can share them with others and get PAOE points for our chapter. Also, if you want to get involved or to sponsor an event, contact us at brady@martinengineeringdesign.com

NEOK PAOE POINTS A New Year!

0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000





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PAGE 19

Chapter Volunteers

NEOK ASHRAE
 P.O. Box 52746
 Tulsa, OK 74152

Officers:

President	LeAnna Reynolds	918-599.4120
President-Elect	Jeff Ferguson	918-877.6000
Treasurer	Matt Petersen	918-513-3067
Secretary	Nolan Chance	918-665-6600

Email

leanna.l.reynolds@leidos.com
jferguson@cyntergyaec.com
matt.petersen@airetechcorp.com
nolan@pecook.com

Board of Governors:

BOG	Chuck Mayfield	918-624-1005
BOG	Dan Owens	918-270-1414
BOG	Wes Replogle	918-513-3067
BOG	Ray Gomez	918-665-6600
BOG	Mike Beda	918-664-0312

cmayfield@eei-ok.com
owens.d@mcintoshservices.com
wes.replogle@airtechcorp.com
gomez@phillbac.com
mike@pecook.com

Committee Chairs:

CRC Delegate	Robert Schatz	918-836-0271
CRC Alternate	LeAnna Reynolds	918-599.4120
Attendance/Reception	Andrew Sneed	918-584-0102
Audit	Chad Smith	918-665-6600
GGAC	Chad Smith	918-665-6600
Historian	Gene L. Redford	918-270-1414
Honors & Awards	Mike Beda	918-664-0312
Invocations	David Lam	918-250-5590
Membership	Alie Bird	918-998-0016
Newsletter	Jeff Ferguson	918-877-6000
Nominating	Joel Karstetter	918-665-3974
Programs	Brady King	918-493-2712
Social Media	Alie Bird	918-998-0016
Refrigeration	Robert Boozer	918-665-6000
Research Promotion	Paul Oman	918-249-1918
Special Events	Mary Goins	918-259-3740
Student Activities	Brian Murray	918-665-6600
Sustainability	Claire Farr	918-279-6450
Webmaster/ECC	Justin Stonehocker	918-279-6450
YEA Co-Chair	Kyle Bowling	918-825-7222
YEA Co-Chair	Brian Biggerstaff	918.624.1005

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brady@martinengineeringdesign.com
abird@eei-ok.com
rboozer@hydraulicsystems.com
poman@federalcorp.com
mary@flowmaticsinc.com
brian@airetechcorp.com
cfarr@es2ok.com
jstonehocker@es2ok.com
kyleb@rae-corp.com
bbiggerstaff@eei-ok.com



2015-2016 Calendar of Events

<u>Important Dates</u>	<u>Meeting</u>	<u>Location</u>
August 20, 2015.....	Board of Governors	Ti Amo Restaurant
September 10, 2015.....	Chapter Golf Tourney	White Hawk Golf Club
September 17, 2015.....	Board of Governors	Ti Amo Restaurant
October 7, 2015.....	Chapter	Ti Amo Restaurant
October 15, 2015.....	Board of Governors	Ti Amo Restaurant
November 4, 2015.....	Chapter	Ti Amo Restaurant
November 12, 2015.....	Board of Governors	Ti Amo Restaurant
December 2, 2015.....	Chapter	Ti Amo Restaurant
December 10, 2015.....	Board of Governors	Ti Amo Restaurant
January 6, 2016.....	Chapter	Ti Amo Restaurant
January 14, 2016.....	Board of Governors	Ti Amo Restaurant
February 4, 2016.....	Chapter	Ti Amo Restaurant
February 11, 2016.....	Board of Governors	Ti Amo Restaurant
March 2, 2016.....	Chapter	Ti Amo Restaurant
March 10, 2016.....	Board of Governors	Ti Amo Restaurant
April 07, 2016.....	Chapter	Ti Amo Restaurant
April 28-30, 2016.....	CRC	Tyler, TX
April 14, 2016.....	Board of Governors	Ti Amo Restaurant
May 4, 2016.....	Chapter	Ti Amo Restaurant
May 12, 2016.....	Board of Governors	Ti Amo Restaurant
May 19, 2016.....	Spring Shooting Event	TBD
June 23, 2016.....	Board of Governors	Ti Amo Restaurant

Visit our website at
www.ashrae-neok.org