Quick Links

Cover Page
Poker Tournament
President's Message
This Month's Meeting
National News
Local News
Research Promotion
Membership
Treasurer
YEA
Refrigeration
Student Activities
Grassroots Government
Sustainability
Commissioning
BOG Minutes
Roster

ASHRAE Houston Chapter's

THE HOT AIR RECORDER

80th Volume No. 6

JANUARY

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			



JAN. 30

JANUARY CHAPTER MEETING

Join ASHRAE Houston from **6-9:30PM** on **Jan.30th** in honoring the old presidents of our chapter and relegate in the history and nostalgia of our chapter.
Location: POST HTX - 401 Franklin St, Houston, TX 77201
Parking: Onsite parking - $5/hr, 1st hour is free

JAN. 31

YEA HAPPY HOUR - Sponsored by Hunton Trane

Location / RSVP: Flight Club - 3515 W Dallas St Ste 100, Houston, TX 77019. **PLEASE RSVP HERE**
Date / Time: January 31st 4PM - 7PM
Hosted with AGC (Association of General Contractors)

FEB. 8

FEBRUARY CHAPTER MEETING

Join ASHRAE Houston from **11-1PM** on **Feb.8th** Be on the lookout for upcoming meeting information. We will be sending it out via email.
Location: Dukessa Event Center

FEB. 15

2024 ASHRAE POKER TOURNAMENT

SIGN UP NOW for the **2024 Poker Tournament** hosted at Roessler Equipment on **February 15th**. Arrive at 3:30. Cards fly at 4PM. $100 Buy-In, $50 Re-Buy. $25 2nd game Registration is open here.

ASHRAE®

SEASON PASS

8 Regular Chapter Meetings

$280 Value for $215

CLICK HERE TO BUY

ASHRAE 2024 TEXAS HOLD 'EM POKER TOURNAMENT

HOSTED BY ROESSLER EQUIPMENT COMPANY, INC.

5805 SCHUMACHER LN
HOUSTON, TX 77057
ROESSLER TRAINING BUILDING

LINK TO REGISTER

ASHRAE CHICAGO 2024 WINTER CONFERENCE AND AHR EXPO

JANUARY 20-24, 2024

CLICK HERE FOR INFO

2023-2024 Tabletop Sponsorship

$600



Sponsor the monthly Chapter Luncheon! Click HERE for more info

Quick Links

Cover Page
Poker Tournament
President's Message
This Month's Meeting
National News
Local News
Research Promotion
Membership
Treasurer
YEA
Refrigeration
Student Activities
Grassroots Government
Sustainability
Commissioning
BOG Minutes
Roster

ASHRAE Houston Poker Tournament

ASHRAE 2024 TEXAS HOLD 'EM POKER TOURNAMENT

THURSDAY 02.15.2024 3:30 PM

ROESSLER EQUIPMENT COMPANY, INC.

5805 SCHUMACHER LN, HOUSTON, TX 77057

ROESSLER TRAINING BUILDING

MEMBER BUY-IN $100
NON-MEMBER BUY-IN $100
RE-BUY $50
SECONDARY TABLE $25

QUESTIONS?
Nick Janssen
nick.janssen@texasairsystems.com
713.830.4523

MORE INFO ON ASHRAE WEBSITE

ARRIVE AT 3:30 PM - CARDS FLY AT 4:00 PM

Bring your friends, family, clients or co-workers!

— BUY-IN includes light snacks and full beverage service —

— PAY-OUT split 50/50 with ASHRAE Houston Chapter —

— 75 Players expected —

— CLICK HERE TO REGISTER NOW! —

Quick Links

Cover Page
Poker Tournament
President's Message
This Month's Meeting
National News
Local News
Research Promotion
Membership
Treasurer
YEA
Refrigeration
Student Activities
Grassroots Government
Sustainability
Commissioning
BOG Minutes
Roster

PRESIDENT'S MESSAGE

Happy New Year. I hope you enjoyed spending time with family and friends over the holiday break. Before traveling to Providence, Rhode Island for Christmas, I made a quick business trip to Steamboat Springs, Colorado, for a snow melt study. There were some beautiful views and lots of snow which is something we don't usually get living in Houston.



For 2024, there is a lot to look forward to and I'm not talking about the newly adopted codes but we do hope that the Houston Chapter has prepared you with the right information. The monthly meeting schedule is packed with technical learning programs and networking opportunities and do not miss upcoming YEA and Women in ASHRAE events. Important activities are being planned for the ASHRAE Houston Chapter and you are invited to learn more and participate with us …

- Attend January 20th – 24th the ASHRAE Winter Conference and AHR Expo in Chicago.
- Learn from our 2nd ASHRAE Distinguished Lecturer for the year at our monthly chapter meeting.
- Join our 2024 Poker Tournament benefiting our Research Promotion goal on February 15th.
- Play in our 2024 Spring Golf Tournament benefiting our Research Promotion goal on March 27th.
- Chapter Officers and Committee Chairs participate on April 25th – 28th in the Chapter Regional Conference for Region VIII in Dallas.



Catherine Tinkler
Houston ASHRAE President
2023-2024

We are always looking for ways to improve our volunteer efforts for you and your organization and are open to your feedback on this year's goals to reinvigorate our community culture and provide programs that are not available except from this group of talented colleagues.

Your Houston Chapter is always a leader in these conversations, and we look forward to you joining us this year!

Quick Links

Cover Page
Poker Tournament
President's Message
This Month's Meeting
National News
Local News
Research Promotion
Membership
Treasurer
YEA
Refrigeration
Student Activities
Grassroots Government
Sustainability
Commissioning
BOG Minutes
Roster

THIS MONTH'S MEETING

2024 Past President's Night

The Post HTX

401 Franklin St
Houston, TX 77021

1/30/2024 | 6PM– 9:30 PM

Event Schedule

6:00 Registration/Check In
6:30 Mechanical System Tour
7:30 Dinner
8:30 Mingle
9:00-9:30 Depart

Parking

There are several lots surrounding Post HTX that are available for our event. Parking is free for the first hour, and then $5 for every hour after.

Dinner and a selection of beverages (including beer and wine) will be available. Please thank S&S HVAC– our beverage sponsor– for ensuring that we will have beer and wine available for the event! We'd also like to thank McMillan James Equipment Company for sponsoring the dinner.

We're still looking for a parking sponsor so that our guests don't have to pay for parking. Please see sponsorship details below. Please reach out to JulieT@MJEC.com if you or someone you know is interested in a sponsorship!

Available Sponsorship Opportunities

Sponsor Level	Cost	Description
Parking Sponsor	$1000.00	Allows free parking for our guests. Parking vouchers will be sent to guests with you company logo on them. Additionally, your company will be advertised as the parking sponsor on the website, social media, newsletter, and the slideshow running during dinner
Past President's Night Supporter	$300.00	We will have several of these sponsorships open. Your company will be advertised as a Past President's Night Supporter on the website, social media, newsletter, and the slideshow running during dinner. This will greatly help us offset the costs of the venue.

THANK YOU TO OUR SPONSORS:

DINNER SPONSOR:

McMILLAN JAMES EQUIPMENT COMPANY, LLC

BEVERAGE SPONSOR:

S & S

REGISTRATION SPONSOR:

BRD HUSH CORE

TICKETS

$300.00 Past President's Night Supporter
$1,000.00 Past President's Night Parking Sponsor
$0.00 Past President
$40.00 Past President Spouse

CLICK HERE TO REGISTER

Quick Links

Cover Page
Poker Tournament
President's Message
This Month's Meeting
National News
Local News
Research Promotion
Membership
Treasurer
YEA
Refrigeration
Student Activities
Grassroots Government
Sustainability
Commissioning
BOG Minutes
Roster

NATIONAL NEWS



ASHRAE CHICAGO 2024 WINTER CONFERENCE AND AHR EXPO

REGISTRATION | TECHNICAL PROGRAM | COMMITTEE MEETINGS | TRAVEL | SPONSOR

Join us in January !!

REGISTER VIEW SCHEDULE

>> Check out the registration page to see what's available for in-person and virtual registration options.



Join us in Chicago!

ASHRAE is looking forward to convening in Chicago at the Marriott Marquis McCormick Place January 20-24, 2024

... Learn more



Join us from your home or office!

Virtual options such as up to 10 livestreamed technical sessions, technical session recordings and downloadable conference papers are available ... Learn more

The ASHRAE awards listed below have an upcoming nomination deadline of December 1. All nominations and questions can be sent directly to Rhiannon Masterson - RMasterson@ashrae.org, and additional information can be found at **www.ashrae.org/honors**.

Also, feel free to share this **quick video** that provides an overview of these awards – you can post it to social media, your chapter website or your chapter newsletter!

Quick Links

Cover Page
Poker Tournament
President's Message
This Month's Meeting
National News
Local News
Research Promotion
Membership
Treasurer
YEA
Refrigeration
Student Activities
Grassroots Government
Sustainability
Commissioning
BOG Minutes
Roster

LOCAL NEWS



AIA Houston *extends an invitation for ASHRAE Houston to attend this year's Gulf Coast Green conference. Once registration opens a discount code will be available for our members to attend at a reduced rate. Please mark your calendars and support this opportunity.*

GULF COAST GREEN 2024

Gulf Coast Green 2024 Symposium

SAVE THE DATE! MARCH 22, 2024



Wild by Design

For its 18th year, AIA Houston's Gulf Coast Green conference will explore the connection between design and nature, both inside buildings and out. The event will focus on nature-based solutions, including topics like biophilia, biomimicry, creating sustainable and resilient landscapes, reducing urban heat island effect, and minimizing the built environment's impacts on climate and biodiversity loss.

Location: Houston Zoo, Brown Education Center, 1513 Cambridge Street, Houston, TX 77030

https://aiahouston.org/v/event-detail/Gulf-Coast-Green-2024/292/

Quick Links

Cover Page
Poker Tournament
President's Message
This Month's Meeting
National News
Local News
Research Promotion
Membership
Treasurer
YEA
Refrigeration
Student Activities
Grassroots Government
Sustainability
Commissioning
BOG Minutes
Roster

RESEARCH PROMOTION

HOUSTON ASHRAE 2023-2024 RESEARCH PROMOTION FUNDRAISING EVENTS:

SPORTING CLAY TOURNAMENT	FALL GOLF TOURNAMENT	SPRING GOLF TOURNAMENT	POKER TOURNAMENT
9.05.2023	11.16.2023	04.04.2024	02.15.2023
Greater Houston Sports Club	The Golf Trails of The Woodlands	Blackhorse Golf Club	Roessler Equipment

2023-2024 ASHRAE ANNUAL SPONSORSHIP OPPORTUNITIES:

PLATINUM

$10,000

- Signage at each event as a Platinum Sponsor and ASHRAE Partner
- Recognition on the ASHRAE Houston website as a platinum sponsor with a link to your website
- (1) LinkedIn campaign for a product of your choosing
- ASHRAE Partner recognition at the annual conference
- One team (of 4) at both Golf Tournaments+ first buy ins for six (6) participants at the Poker Tournament
- Admission for four (4) to the Past President night
- Tailgate sponsor at the Golf Tournaments

CONTRIBUTE HERE

GOLD

$7,500

- Signage at each event as a Gold Sponsor
- Recognition on ASHRAE Houston website as a Gold Sponsor
- (1) LinkedIn campaign for a product of your choosing
- One team (of 4) at the Golf Tournament of your choice + first buy ins for four (4) participants at the Poker Tournament
- Hole sponsor signage at both Golf Tournaments
- Admission for two (2) to the Past President night

CONTRIBUTE HERE

SILVER

$5,000

- Signage at each event as a Silver Sponsor
- Recognition on the ASHRAE Houston website as a silver sponsor
- Two(2) participants at (1) Golf Tournament
- Hole sponsor signage at the both Golf Tournaments
- Table top display at (1) Golf Tournament
- First buy in for two (2) participants at the Poker Tournament
- Admission for two (2) to the Past President night

CONTRIBUTE HERE

BRONZE

$2,000

- Signage at each event as a Bronze Sponsor
- Recognition on the ASHRAE Houston website as a bronze sponsor
- Hole sponsor signage at the golf tournament of your choice
- Admission for one (1) to the Past President night

CONTRIBUTE HERE

CONSULTING ENGINEER

$1,000

- Available only to consulting engineering firms
- Signage at each event as a Consulting Engineer Sponsor
- 1) LinkedIn campaign for a product of your choosing
- Recognition on the ASHRAE Houston website as a consulting engineer sponsor
- Inclusion for free in the ASHRAE Houston directory
- Free job opening postings on the ASHRAE Houston website and HAR
- Hole sponsor signage at the golf tournament of your choice

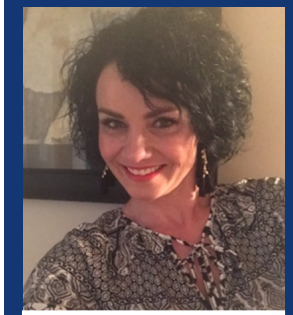
CONTRIBUTE HERE

Quick Links

Cover Page
Poker Tournament
President's Message
This Month's Meeting
National News
Local News
Research Promotion
Membership
Treasurer
YEA
Refrigeration
Student Activities
Grassroots Government
Sustainability
Commissioning
BOG Minutes
Roster

MEMBERSHIP

2023-2024 MEMBERSHIP PROMOTION COMMITTEE



Shannon Yancey

Check out these resources to support our Membership Promotion initiatives

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.

CLICK HERE TO GET STARTED

GET YOUR BOSS ON BOARD

Most employers are happy to support involvement in a professional society like ASHRAE. Below are sample emails for new members looking to join, or current members looking to renew.

Support My ASHRAE Membership

Support My ASHRAE Membership Renewal

Please welcome our newest member: Martin Dehlinger, Ahmed Khader, Samuel Wong, Luis Alberto Gonzalez, Darrin Stanton, Jordan Powdrill

Join or renew (simple 4 step process) through **https://www.ashrae.org/join**
If you have any questions, contact Shannon Yancey at (832) 523-6619 or Shannon.Yancey@Caleffi.com
For more info: **https://www.ashrae.org/communities/regions**

TREASURER



23-24 Treasurer: Heather Camden

✓ Chapter is in good financial standing

Books have been transferred from Nick Janssen to Heather Camden

TAX Last year's taxes are filed

Quick Links

Cover Page
Poker Tournament
President's Message
This Month's Meeting
National News
Local News
Research Promotion
Membership
Treasurer
YEA
Refrigeration
Student Activities
Grassroots Government
Sustainability
Commissioning
BOG Minutes
Roster

YEA

WHAT IS FLIGHT CLUB?

Flight Club is an energetic social experience that pairs entertainment with an unparalleled food and beverage program for a super-charged gaming experience like no other.

Groups of 13 or more can get together for an occasion truly worth celebrating. Flight Club is the ultimate destination for team outings, networking events, holiday parties, birthdays, bachelorette parties and more!



YEA Participation Survey (2023-2024)

WE WOULD LIKE TO HEAR FROM YOU CLICK **HERE** TO COMPLETE A QUICK SURVEY ABOUT WHAT YOU'D LIKE TO SEE FROM YEA THIS YEAR

JANUARY HAPPY HOUR

January 31st from 4PM - 7PM
Flight Club Houston
3515 W Dallas St Ste 100, Houston, TX 77019
CO-HOSTED WITH AGC
SPONSORED BY HUNTON TRANE

PLEASE REGISETER HERE

YEA SPONSORS (2023-2024)

WE ARE SEEKING SPONSORS TO HELP US SUPPORT OUR COMMITTEE

IF INTERESTED PLEASE CLICK **HERE**

YEA SPONSORS NEEDED

Join us at our next event!

Want to Sponsor?

Reach out to Pablo Marin via email

How to Sponsor?

After emailing Pablo, pick a date, time and location so that we can post in upcoming Newsletters!

Quick Links

Cover Page
Poker Tournament
President's Message
This Month's Meeting
National News
Local News
Research Promotion
Membership
Treasurer
YEA
Refrigeration
Student Activities
Grassroots Government
Sustainability
Commissioning
BOG Minutes
Roster

REFRIGERATION

Importance of Refrigerant Recovery, Recycling, and Reclamation

WRITTEN BY: JAMES ROBINSON

Hello Houston Chapter. I hope the New Year finds you well and in good spirits. The subject for my first article of the year reiterates the importance of refrigerant recovery, recycling, and reclamation. We are well aware that high GWP refrigerant production has been reduced by another 30% under the AIM ACT. There are industry concerns that current production levels of HFC's like R-410A, R-404A, and R-134A will not be adequate to service and repair existing equipment. The AIM ACT also provides a sell-through period for remaining inventories of HFC equipment until the end of the year and HFC replacement components such as evaporator coils until inventories are depleted. As the demand for HFC's increase in 2024, refrigerant reclaimers have responded by changing their policies to encourage more refrigerant recovery by contractors. For example, Hudson Technologies buy-back program now waives all fees associated with refrigerant recovery activities, including the return of recovered refrigerant and disposal of mixed refrigerants. The company has also adopted a -pay for all refrigerant approach- that is designed to promote an additional revenue stream instead of an operating cost for contractors. National Refrigerants (NRI) has improved their refrigerant reclamation programs by eliminating minimum recovery cylinder weight requirements. In fact, NRI has also expressed an interest in using cutting-edge technologies to separate and reuse mixed refrigerants, although the current trend is to destroy these materials. A-Gas has implemented its extensive Rapid Recovery and Rapid Exchange Network Program that collects recovered refrigerant from contractors, supply houses, wholesale distributors, and retail establishments. All of these reclaimers provide administrative processing of every transaction in addition to refurbishing and delivering empty cylinders. Finally, reclaimers are offering on-site reclamation services to contractors and other businesses to help improve recovery efforts nationally while demonstrating their commitment to AIM ACT compliance and meeting the refrigerant needs of the HVACR industry.

Additional information can be obtained at

www.epa.gov, www.hudsontech.com, www.refrigerants.com, www.agas.com

Refrigeration
CHAIRS

JAMES ROBINSON

DON INVESTER

Quick Links

Cover Page
Poker Tournament
President's Message
This Month's Meeting
National News
Local News
Research Promotion
Membership
Treasurer
YEA
Refrigeration
Student Activities
Grassroots Government
Sustainability
Commissioning
BOG Minutes
Roster

STUDENT ACTIVITIES

STUDENT ACTIVITIES CHAIR



TARA DENNIS
STUDENT ACTIVITIES CHAIR



SADIA ASHRAF
LYNN G. BELLENGER
SCHOLARSHIP RECIPIENT



JOHN MCCULLOCH
DUANE HANSON
SCHOLARSHIP RECIPIENT

We are excited to announce that two Region VIII students were selected as 2023-24 Society $5,000 Scholarship Recipients! Please join me in recognizing both Sadia and John on their outstanding accomplishment!

***Sadia Ashraf**, Mechanical Engineering attending the University of Houston is the recipient of the Lynn G. Bellenger Engineering Scholarship which recognizes female undergraduate engineering students and is named in memory of the Society's first female president, who served as the Society's president in 2010-11.*

***John McCulloch**, Mechanical Engineering attending Texas A & M University and Texas University, is the recipient of the Duane Hanson Scholarship established by Gayner Engineers and is named for the company's former president.*

Stay up to date on the latest news and resources available to you by signing up for the student newsletter.

Quick Links

Cover Page
Poker Tournament
President's Message
This Month's Meeting
National News
Local News
Research Promotion
Membership
Treasurer
YEA
Refrigeration
Student Activities
Grassroots Government
Sustainability
Commissioning
BOG Minutes
Roster

GRASSROOTS GOVERNMENT

2023-2024 GRASSROOTS GOVERNMENT ADVOCACY CO-CHAIRS

KENNETH SHIFFLETT



KEITH REIHL



PASSED - 2021 BUILDING CODES

Houston City Council passed the 2021 Building Codes on Wednesday, October 25. The new codes will take effect on Tuesday, January 2, 2023. This is ALL of the codes. We would like to know if you would be interested in a full day training on the 2021 IECC, the UMC or any other codes. Please let us know.
https://www.houstonpermittingcenter.org/construction-code-modernization/code-amendment



Also, **Engineers Week** is coming up **February 18-24, 2024**.

We want people to volunteer in promoting it and participating in events

https://houstonengineersweek.org/

Engineers Week

Quick Links

Cover Page
Poker Tournament
President's Message
This Month's Meeting
National News
Local News
Research Promotion
Membership
Treasurer
YEA
Refrigeration
Student Activities
Grassroots Government
Sustainability
Commissioning
BOG Minutes
Roster

SUSTAINABILITY

ASHRAE Publishes First Zero Energy and Zero Carbon Building Evaluation Standard

ANSI/ASHRAE Standard 228-2023, Standard Method of Evaluating Zero Net Energy and Zero Net Carbon Building Performance, sets requirements for evaluating whether a building or group of buildings meets a definition of "zero net energy" or a definition of "zero net carbon" during building operation. The standard draws from ASHRAE Standard 105, among others, to address energy and carbon flows across a site boundary, their measurement, and their balance.

"Achieving a zero energy building has been viewed by many as a difficult goal to meet, with unforeseeable roadblocks and differing guidance," said Keith Emerson, P.E., Life Member ASHRAE, chair of the Standards Project Committee 228. Standard 228 provides a consistent method for determining whether new and existing sites have reached zero energy. We hope this standard will become a helpful resource for building professionals in strategic decarbonization planning."

Standard 228 does not apply to the establishment of building energy performance goals or limits; design guidance or design requirements; embodied energy of building materials and systems; and transportation to and from a building. The standard is also not intended to circumvent any safety, health, or environmental requirements.

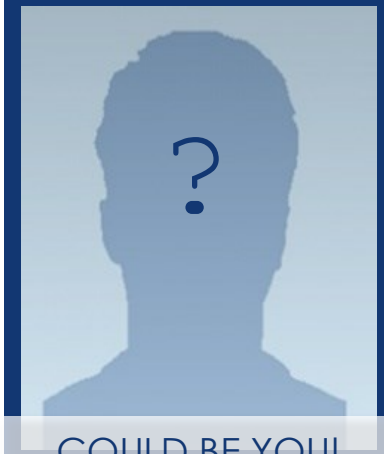
Department of Energy picked a Houston Consortium as Hydrogen HUB

The US Department of Energy selected Houston as home to one of seven clean hydrogen hubs nationwide. The new development could bring upto $1.2 Billion in federal funding to the Houston area. The Houston HUB is expected to be the largest out of the seven in regards to production, and the funding is going to go to HyVelocity Hub, a Houston consortium of oil and gas companies, public universities and nonprofit organizations. The hub is projected to create around 45,000 local jobs.

SUSTAINABILITY CHAIR



Andreas Winardi, PE



COULD BE YOU!

Quick Links

Cover Page
Poker Tournament
President's Message
This Month's Meeting
National News
Local News
Research Promotion
Membership
Treasurer
YEA
Refrigeration
Student Activities
Grassroots Government
Sustainability
Commissioning
BOG Minutes
Roster

COMMISSIONING

2023-2024 COMMISSIONING CHAIR

ADAM SEGOVIS



WRITTEN BY: ADAM SEGOVIS

Building Commissioning, in accordance with ASHRAE standards, is a systematic and comprehensive process aimed at ensuring that newly constructed or renovated building functions efficiently, reliably, and in accordance with the owner's requirements. ASHRAE particularly in Standard 202, outlines the guidelines for the commissioning process. This entails a series of activities, starting from the design phase, through construction, and into the occupancy phase. It involves the verification and documentation of all building systems, including HVAC, electrical, plumbing, and controls, to confirm they meet performance criteria and are integrated seamlessly. By adhering to ASHRAE standards for Building Commissioning, owners and occupants can benefit from enhanced energy efficiency, improved indoor air quality, reduced operating costs, and an overall optimized building performance. Over the next few months we will be covering Standard 202 in more detail.

USEFUL RESOURCES

Here is a link to a short video describing the benefits of continuously commissioning existing buildings
https://www.youtube.com/watch?v=U9wvpHsLOPU&t=58s

If commissioning is part of your process, expert guidance is essential.
ASHRAE offers several resources to help guide your team through this critical phase of a new construction project
https://www.ashrae.org/technical-resources/bookstore/commissioning

Quick Links

Cover Page
Poker Tournament
President's Message
This Month's Meeting
National News
Local News
Research Promotion
Membership
Treasurer
YEA
Refrigeration
Student Activities
Grassroots Government
Sustainability
Commissioning
BOG Minutes
Roster

BOG MINUTES

ASHRAE Houston Chapter

November 7, 2023 Meeting Agenda

I. Approve October Meeting Minutes
   a. Approved 6-0-1 Keith R and Alan Neely approve.

II. Monthly Meeting Team Reporting – action before the meeting and then report completed
   - ✓ Update on MBO & month's activities sent to RVC, Pres, BOG, Officer, and Chair Team
   - ✓ PAOE points entered
   - ✓ Uploads to Region 8 Basecamp and/or Houston Basecamp
   - ✓ Communications content for current & next month

	Min Points	PAR	22-23 Final	MBOs	September	Check In	October	Check In	November	Check In
Chapter Operations	600	1500	1355	X	435	X	515	X	555	
Chapter Technology Transfer	550	1500	3600	X	100	X	200		300	
Communications	300	700	820	X	25	X	65	X	65	
Government Affairs	500	1250	3150	X	200	X	500		500	
Historical	100	500	0	X	50	N/A	50	N/A	50	N/A
Membership Promotion	1000	1600	1785	X	350		650		650	
RP	800	1050	8287	X	0	X	0		142	
Student Activities	500	800	1390	X	180		180		180	
YEA	300	900	2325	X	650		1400		1400	
			22712		1990		3560			
Newsletter/Electronic Comm				X		X		X		
Refrigeration						N/A		N/A		N/A
Treasurer										

Quick Links

Cover Page
Poker Tournament
President's Message
This Month's Meeting
National News
Local News
Research Promotion
Membership
Treasurer
YEA
Refrigeration
Student Activities
Grassroots Government
Sustainability
Commissioning
BOG Minutes
Roster

BOG MINUTES

a. (Operations Team) Alan Neeley + President + Historian + GAC + H&A
   i. Neeley:
      1. Honors & Awards: Fellowship workshop meeting was today 11/7/23 – moving forward with that – needs others interested in diving into potential awards and honors that may be available
      2. 1 hour Ethics – is available if anyone needs it.

b. (Programs Team) Ken Shifflett + CTTC/President-Elect + Refrigeration + Sustainability + Commissioning

c. (Stakeholder Team) Greg Tinkler + RP/Vice President + YEA + WiA
   i. Nick:
      1. Working on Teams, Sponsors, etc. for Golf Tournament
      2. Sending a request for volunteers today.
      3. Sending out list of prior year's team to reach out to for registration.
   ii. Julie:
      1. 51 Registrants for November Luncheon – Solid Number.
      2. Have had low BOG attendance at Luncheon's. – Need more involvement!
      3. Need table top sponsor for November meeting
         a. Table top sponsor is $600 and a door prize.
      4. Rest of year's meetings presentations are planned. Needs to confirm with all presenters that they are still on.
      5. Keith Reihl: Decarbonization Game (interactive game idea) Drew Carly
         a. Use as presenter or make a bonus meeting?

Quick Links

Cover Page
Poker Tournament
President's Message
This Month's Meeting
National News
Local News
Research Promotion
Membership
Treasurer
YEA
Refrigeration
Student Activities
Grassroots Government
Sustainability
Commissioning
BOG Minutes
Roster

BOG MINUTES

d. (Nuts & Bolts Team) Keith Reihl + Treasurer + Newsletter + Communications
   i. Keith Reihl:
      1. City of Houston updated code to 2021 IECC & UMC effective January 2024.
      2. Regional DIA positions are going to be created.
   ii. Heather:
      1. No updates right now.
      2. Taxes – Checking on filing status if we have filed or not.
         a. Due 11/15 or file for extension.
   iii. Mason:
      1. Checked in for November
      2. Will put together December edition.
e. (Engagement Team) Mike Langton + Secretary + Membership Promotion + Student Activities
f. (YEA)
   i. Jacob – Last months HH shared with ABC was successful. Halloween contest. Charged $5 for entry and still had turn out. Looking into getting a YEA banner for events.
   ii. Have Trivia Night on 11/8/23
   iii. 11/30 AEI, YEA & McMillian James Joint Happy Hour.
   iv. Breaking sponsorship dollars down into smaller multi sponsor events.

Quick Links

Cover Page
Poker Tournament
President's Message
This Month's Meeting
National News
Local News
Research Promotion
Membership
Treasurer
YEA
Refrigeration
Student Activities
Grassroots Government
Sustainability
Commissioning
BOG Minutes
Roster

BOG MINUTES

III. Old Business

a. Storage unit has been transferred – We still need keys

i. d

b. Reminder about CRC next April in Dallas – book hotel now if possible

i.

c. Recap of Treasurer position discussion

i. Future discussion in February/March – After the Winter Meeting.

ii. Chapter operations manual – is Treasurer a required role?

iii. Regional Treasurer to facilitate this discussion?

iv. Joe Sanders and Randy

IV. New Business

a.

MEETING ADJOURNED

Shannon – Pull list of eligibility for people to move from associate member to full member

- 12 consecutive years –
  - Verified full fledge member to participate of being a member.
  - ASHRAE website to see membership.

Quick Links

Cover Page
Poker Tournament
President's Message
This Month's Meeting
National News
Local News
Research Promotion
Membership
Treasurer
YEA
Refrigeration
Student Activities
Grassroots Government
Sustainability
Commissioning
BOG Minutes
Roster

ROSTER

2023-2024 Houston Chapter Volunteer Leadership

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