Quick Links

Cover Page
Fall Golf Tournament
President's Message
This Month's Meeting
Last Month's Meeting
National 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. 4

November

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		

9

NOVEMBER CHAPTER MEETING

Join ASHRAE Houston from **11-1PM** on **Nov. 9th** as we welcome Josh Devin Abellon to speak on Ethics in our industry! Earn your ethics credit for you PE license.

Dukessa Event Center!

Location: 2840 Chimney Rock Road, Houston, TX 77056

16

ASHRAE FALL GOLF TOURNAMENT

SIGN UP NOW for the **ASHRAE Fall Golf Tournament** hosted at THE GOLF TRAILS OF THE WOODLANDS on **November 16th**. Registration starts at 11AM.



30

YEA HAPPY HOUR - Sponsored by McMillan James

Location: TBD **Date:** November 30th or December 7th

Co – Hosted with AEI (Architectural Engineering Institute)

ASHRAE®

SEASON PASS

8 Regular Chapter Meetings

$280 Value for $215

CLICK HERE TO BUY

FALL GOLF TOURNAMENT

11/16/2023



REGISTER HERE

ANNUAL SPONSORSHIP OPPORTUNITIES

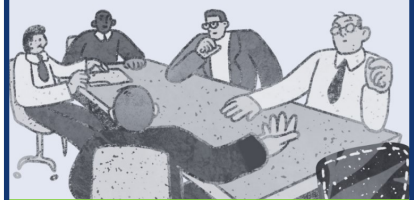


CLICK HERE FOR INFO

2023-2024

Tabletop Sponsorship

$600



Sponsor the monthly Chapter Luncheon! Click HERE for more info

Quick Links

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



ASHRAE Houston Chapter Presents:

ANNUAL Fall GOLF TOURNAMENT

11/16/2023

The Golf Trails of The Woodlands

2311 N Millbend Dr

The Woodlands, TX 77380

TEAM OF 4- $1000

REGISTRATION 11:00 AM
LUNCH 11:30 AM
SHOTGUN START 12:30 PM

Includes alcoholic and non-alcoholic beverages, lunch, and dinner. $5 raffle tickets available for raffle prizes. Awards for 1st, 2nd, and 3rd place will be presented. Golf carts included with registration. For questions, email Nick Janssen at research-promotion@ashraehouston.org.

SPONSORSHIP OPPORTUNITIES

Tailgate Sponsor	$2,600.00
Dinner Sponsor	$2,100.00
Beverage Sponsor	$1,850.00
Golf Ball Logo Sponsor	$1,600.00
Lunch Sponsor	$1,350.00
Snack Sponsor	$1,000.00
Gift Bag Sponsor	$750.00
Raffle Sponsor	$750.00
Koozie Sponsor	$750.00
Cigar Sponsor	$750.00
Tiger Hole Sponsor	$500.00
Closest to the Pin Sponsor	$500.00
Longest Drive Sponsor	$500.00
Putting Contest Sponsor	$500.00
Tee Box Sponsor	$250.00

Quick Links

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

PRESIDENT'S MESSAGE

This monthly meeting program is a must attend with ASHRAE Distinguished Lecturer Devin Abellon presenting our annual Ethics Program. Could you get this online? Sure, but you would miss the networking, questions, and conversations that only happen when attending our monthly meetings in person. Remember … this year we want your ASHRAE Houston Chapter to deliver something that you can't get anywhere else. Part of this is YOU! When YOU attend it boosts the energy, the comradery, and the impact that we have on our industry. Rember that we submit our luncheon count by Tuesday before the meeting, so sign up early.

A couple of past/future items to note…



We have our annual Fall Golf Tournament teed up for Thursday, November 16th. You do not want to miss this great outing to the Golf Trails of the Woodlands. It is a great course, and this event supports our Research Promotion goals. We can't do this without SPONSORS and Teams, so please reach out to Nick Janssen to find out how you can be involved.



Big News out of the Houston City Council – They passed the 2021 Building Codes, and all the new codes will take effect on Tuesday, January 2, 2023. See more information later in the HAR about a possible training.



Catherine Tinkler
Houston ASHRAE President
2023-2024

REMINDER TO…

1) Be sure to make your plans to attend the 2024 ASHRAE Winter Conference and AHR Expo in Chicago on January 20th – 24th. The Technical Program has been released and early bird rates end on November 26th.

2) Did you know that ASHRAEvideo is on YouTube? There is a bimonthly series on Building Decarbonization that you may find interesting along with Tech Hours. Click the links to watch!

P.S. – Greg and I are headed up to NYC to see our son and will be in the crowd for the Macy's Thanksgiving Day parade. If you happen to spot us on television, let me know. We hope everyone has a blessed Thanksgiving and enjoys time with family and friends.

Quick Links

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

THIS MONTH'S MEETING

GET TO KNOW THE SPEAKER:

DEVIN ABELLON, P.E

VP OF ENGINEERING SALES FOR PYURE DYNAMIC PROTECTION



Devin Abellon, P.E. is the Vice President of Engineering Sales at The Pyure Company. He has 29 years of experience in the HVAC and plumbing industries with a focus on high-performance and sustainable building design and construction. He holds a Bachelor of Science degree in Mechanical Engineering from the University of California at Santa Barbara and is a registered professional engineer in California and Arizona. He is an active member of ASHRAE, and has served at the chapter, regional and society levels, most recently serving on the ASHRAE Board of Directors as the 2020-23 Region X Director and Regional Chair.

TOPIC : ETHICS IN OUR INDUSTRY

We are pleased to welcome ASHRAE Distinguished Lecturer Devin Abellon, VP of Engineering Sales for Pyure Dynamic Protection, to our November meeting to present on Ethics in our industry. PDH's for every presentation are provided, and this is a great way to get your ethics credit for your PE license!

SEASON PASSES TO ALL CHAPTER MEETINGS!!!

This year we are also offering a Season Pass ticket to 8 ASHRAE Houston Chapter meetings for chapter members. **Save $65 on chapter meetings today!** You will still need to register for each meeting and pay $0!

If you're interested in this reduced rate, one time purchase please buy a SEASON PASS HERE prior to registering for this meeting.

MEMBER

$32.00 Earlybird rate before November 2nd
$35.00 Member Luncheon Ticket
$40.00 After 12:00 pm on November 8th

NON-MEMBER

$42.00 Earlybird rate before November 2nd
$45.00 Non-Members Luncheon Ticket
$50.00 After 12:00 pm on November 8th

CLICK HERE TO REGISTER

Quick Links

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

LAST MONTH'S MEETING

GET TO KNOW THE SPEAKER: JOSHUA BARNHART, EAB



COMMISSIONING MANAGER AT EAB

Joshua Barnhart leads the Houston Commissioning Group and has over 23 years of experience in energy management, controls and building commissioning. He is a Certified Cx Authority (CxA) through the AABC Commissioning Group, a Certified Energy Manager (CEM) through the Association of Energy Engineers, and a certified Energy Management Professional (EMP) through the Energy Management Association.

Joshua has extensive experience in commercial, K-12, healthcare, vivarium and BSL laboratory facilities. He helped to build the testing lab at EAB and supported the formation of our dedicated Commissioning Group. He has actively managed and participated in commissioning activities since 2011 reviewing projects during design for commissioning, leading commissioning project teams, developing commissioning documents and performing testing on numerous mechanical, electrical, plumbing, and life safety systems and system integrations.

TOPIC COMMISSIONING HORROR STORIES AND HOW TO AVOID THEM

FAILED TAB, TEMPERATURE SPIKES, WARRANTY ISSUES, OH MY! Join AASHRAE Houston at Dukessa on October 12th starting at 11AM as we welcome Josh Barnhart, Houston Commissioning Manager for EAB, to our October Halloween themed meeting to present on commissioning missteps and best practices. Follow the sign up links below to register for the meeting! Last minute wallk-ins aren't guaranteed a spot due to limited seating.

SEASON PASSES TO ALL CHAPTER MEETINGS!!!

This year we are also offering a Season Pass ticket to 8 ASHRAE Houston Chapter meetings for chapter members. **Save $65 on chapter meetings today!** You will still need to register for each meeting and pay $0!

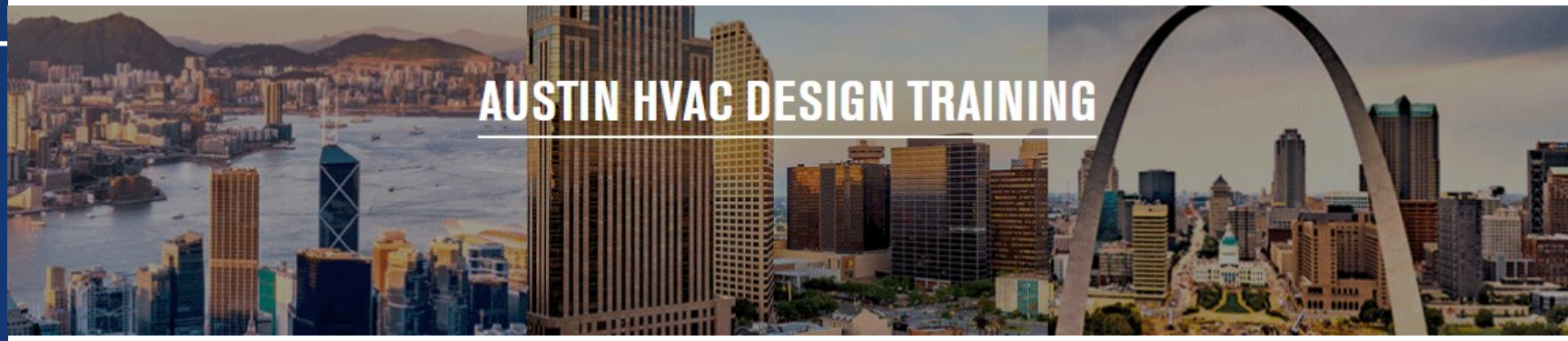
If you're interested in this reduced rate, one time purchase please buy a SEASON PASS HERE prior to registering for this meeting.

ASHRAE HOUSTON THANKS YOU JOSH!!!

Quick Links

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

NATIONAL NEWS



Austin Design Level I and II Training

HVAC Design: Level I – Essentials | 13 – 15 November 2023

HVAC Design: Level II – Applications | 16 – 17 November 2023

Click the tabs below for pricing and additional details.

Level I | Level I Outline | Level II | Level II Outline | Instructors | Fees | Location

HVAC Design: Level I – Essentials provides intensive, practical training ideal for recent technical or engineering school graduates, engineers new to the HVAC field, those who need a refresher in new technologies, and facility managers, sales representatives and others who want to gain a better understanding of HVAC fundamentals, equipment, and systems.

Quick Links

Cover Page
Fall Golf Tournament
President's Message
This Month's Meeting
Last Month's Meeting
National 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	03.27.2024	02.15.2023
Greater Houston Sports Club	The Golf Trails of The Woodlands		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

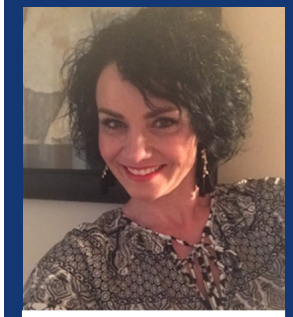
CONTRIBUTE HERE

Quick Links

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

YEA



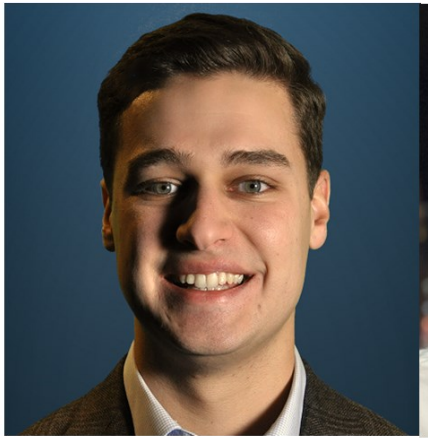
Jacob Busch

Graduated from Texas A&M University in 2018 with a degree in Industrial Distribution and currently pursuing a masters in Industrial Distribution c/o '24. He currently works for Automated Logic, a division of Carrier. Jacob likes playing soccer and pickleball, cooking, and traveling.



Amanda Ackerman

Graduated with a degree in mechanical engineering from Texas A&M in 2019 and is currently a mechanical EIT with Smith Seckman Reid. She enjoys playing sand volleyball, video games, and spending time with friends and family.



Franco Madrigali

Graduated with a degree in Industrial Distribution from Texas A&M University in December of 2017 and is a Technical Sales Engineer with Johnson Controls. He enjoys spending time with his wife and newborn daughter, as well as traveling, running, and spending time outdoors.



Pablo Marin

Graduated from Iowa State University with a degree in Industrial engineering back in 2020 and right away started working with Engineered Air. He enjoys spending time with family, traveling and practicing kite boarding.

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

YEA SPONSORS (2023-2024)

WE ARE SEEKING SPONSORS TO HELP US SUPPORT OUR COMMITTEE

IF INTERESTED PLEASE CLICK **HERE**

NOVEMBER HAPPY HOUR

November 30th or December 7th

CO-HOSTED WITH AEI

SPONSORED BY MCMILLAN JAMES

Location??? TBD

YEA leadership will send out an email confirming date and location

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
Fall Golf Tournament
President's Message
This Month's Meeting
Last Month's Meeting
National News
Research Promotion
Membership
Treasurer
YEA
Refrigeration
Student Activities
Grassroots Government
Sustainability
Commissioning
BOG Minutes
Roster

REFRIGERATION

A2L Refrigerant: Safety, Storage and Transportation

WRITTEN BY: JAMES ROBINSON

Hello Houston Chapter. As the industry pivots from government legislation and policy to implementation of A2L refrigerants, it is time we turn our attention to safety, storage, and transportation of these substances. First and foremost, technician safety is essential to accomplishing our long term environmental objectives. There are a number of Trade Organizations and Certification Programs currently available that provide training on how to safely install, service, and repair systems using A2L refrigerants. The Air Conditioning Contractors of America (ACCA), National Association of Technician Excellence (NATE) and the ESCO Institute are offering a variety of classroom and online training instruction. Topics include everything from additional certification and licensing requirements to refrigerant recovery processes. The Occupational Safety and Health Administration (OSHA) has updated it's jobsite safety standards to include A2L refrigerants. Storage requirements for A2L refrigerants focus on risk mitigation, refrigerant classification, and refrigerant concentration limits (RCL) per cubic feet of storage. ASHRAE Standards 34 and 15 addresses some of these concerns while the National Fire Protection Agency (NFPA) mandates that storage facilities comply with local fire code permitting, appropriate labeling of cylinders, Safety Data Sheets (SDS), and hazardous materials documentation management. The Department of Transportation (DOT) has provided specific guidelines on the safe transport of A2L refrigerants. DOT guidelines require that refrigerant cylinders must be transported in the upright position to ensure proper operation of pressure safety devices. Furthermore, labeling and ventilation requirements are dependent on the volume of refrigerant being transported, and SDSs should be readily available. Finally, the transport vehicle should be equipped to properly secure the refrigerant cylinders in the cargo area as well as be equipped with appropriate security measures to prevent unauthorized access and theft. Additional information can be obtained from all agency websites mentioned in this article.

Refrigeration CHAIRS

JAMES ROBINSON

DON INVESTER

James Robinson
Refrigeration Expert
ASHRAE Member
Houston Chapter

Quick Links

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

GRASSROOTS GOVERNMENT

ASHRAE Houston had a wonderful presentation by the City of Houston Code Modernization team on August 10th. Since that time the codes and amendments have been presented to the City of Houston Transportation, Technology, and Infrastructure Committee on August 24th. The period to submit and amendment proposal has closed; public comments are still being accepted through September 19,2023. In October the amendments will be presented to City Council for adoption.

The proposed amendments, and link to submit public comment are here

A high level overview can be found here

Houston's City Council Transportation, Technology, and Infrastructure (TTI) Committee

30-Day Public Comment Period: Monday, August 21, 2023 – Tuesday, September 19, 2023

Comment only period on the final proposed amendments. Amendment proposals will not be received for consideration.

August 24, 2023 - Special Called Meeting – 2021 Building Code Presentation

https://www.houstontx.gov/council/committees/tti.html

Task Force Group 2 (TFG-2): RESIDENTIAL & POOL CODES

International Residential Code (IRC) and the International Swimming Pool and Spa Code (ISPSC)

30-Day Public Comment Period: Wednesday, December 14, 2022 – Thursday, January 12, 2023

December 20, 2022: Extended to 01.20.23

January 9, 2023: Extended to 01.27.23

January 24, 2023: Extended to 02.14.23

2nd 30-Day Public Comment Period: Monday, July 17, 2023 – Tuesday, August 15, 2023

Task Force Group 3 (TFG-3): ENERGY CONSERVATION & PERFORMANCE CODES

International Energy and Conservation Codes (IECC) and International Code Council Performance Code (ICCPC)

30-Day Public Comment Period: Monday, January 9, 2023 – Tuesday, February 7, 2023

On January 24, 2023: Extended to Friday, February 17, 2023

2nd 30-Day Public Comment Period: Monday, July 17, 2023 – Tuesday, August 15, 2023

Task Force Group 4 (TFG-4): MECHANICAL, ELECTRICAL, AND PLUMBING CODES

30-Day Public Comment Period: Monday, March 13, 2023 – Tuesday, April 19, 2023

1. **2nd 30-Day Public Comment Period: Monday, July 17, 2023 – Tuesday, August 15, 2023**

A reminder when submitting a code amendment proposal:

The Houston Public Works mandate for this code adoption is to adopt the 2021 Code Editions as a base code with local amendments that:

- Help strengthen and ensure long term sustainability and resilience in Houston;
- Do not reduce the fire- or life-safety provisions without providing an equivalency to what's found in the base code; and
- Comply with the intent of the code in quality, strength, effectiveness, fire-resistance, durability, and safety for the purpose intended.
- Chapter One is for the Legal Department only. Amendments are excluded for submission

If you are interested in volunteering for this important project, please visit Construction Code Modernization | Houston Permitting Center.
You can also sign-up for the newsletter for this project and get updates for this project.

Quick Links

Cover Page
Fall Golf Tournament
President's Message
This Month's Meeting
Last Month's Meeting
National 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.

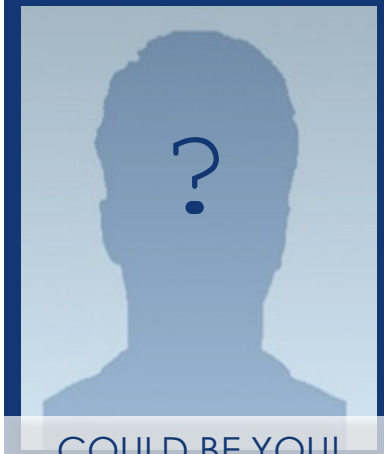
Department of Energy picked a Houston Consortium as Hydrogen HUB

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
Fall Golf Tournament
President's Message
This Month's Meeting
Last Month's Meeting
National 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
Fall Golf Tournament
President's Message
This Month's Meeting
Last Month's Meeting
National News
Research Promotion
Membership
Treasurer
YEA
Refrigeration
Student Activities
Grassroots Government
Sustainability
Commissioning
BOG Minutes
Roster

BOG MINUTES

ASHRAE Houston Chapter

October 10, 2023 Meeting Agenda

I. Approve August Meeting Minutes
   a. 5-0-0
   b. Meeting Attendees: Tim Navarro, James Robinson, Mason Hall, Alan Neely, Greg Tinkler, Catherine Tinkler, Amanda Ackerman, Franco Madrigali, Michael Langton, Pablo Marin, Garrett Neubauer, Andre W.

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

	A	B	C	D	E	F	G	H	I	J	K
1		Min Points	PAR	22-23 Final	MBOs	August	Check In	September	Check In	October	Check In
2	Chapter Operations	600	1500	1355	X	0	X	435	X	515	
3	Chapter Technology Transfer	550	1500	3600	X	0	X	100	X	200	
4	Communications	300	700	820	X	0		25		65	
5	Government Affairs	500	1250	3150	X	0	X	200	X	500	
6	Historical	100	500	0	X	0		50		50	
7	Membership Promotion	1000	1600	1785	X	0		350		650	
8	RP	800	1050	8287	X	0	X	0	X	0	
9	Student Activities	500	800	1390	X	0	X	180		180	
10	YEA	300	900	2325	X	0	X	650		1400	
11				22712		0		1990		3560	
12	Newsletter/Electronic Comm				X		X		X		X
13	Refrigeration										
14	Treasurer										

Quick Links

Cover Page
Fall Golf Tournament
President's Message
This Month's Meeting
Last Month's Meeting
National 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. Honors/Awards/Fellow Applications – held meeting on 10/10/23 about weekly fellow meetings and check ins.
b. (Programs Team) Ken Shifflett + CTTC/President-Elect + Refrigeration + Sustainability + Commissioning
    i. Sustainability + Commissioning: James Robinson interested in working on a facility tour that is using the refrigeration/boilers he has been researching.
        1. Ideas: Cisco Foods, Glazer,
c. (Stakeholder Team) Greg Tinkler + RP/Vice President + YEA + WiA
    i. YEA: Franco – HH @ KBI Memorial Location (joint HH ABC & YEA)
    ii. WiA: Christy Troutman – Potential candidate for WiA along with Heather
    iii. RP: No RP updates – November is Fall Golf Tournament
d. (Nuts & Bolts Team) Keith Reihl + Treasurer + Newsletter + Communications
    i. Revisit – No one on the call
    ii. Newsletter: Mason – got all content in and newsletter out on Monday 10/2. He would like to request for all information delivered by Wednesday 10/25 this month.
e. (Engagement Team) Mike Langton + Secretary + Membership Promotion + Student Activities
    i. No Updates

Quick Links

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

BOG MINUTES

III. Old Business
   a. Funding to TAMU – have we processed this year's payment?
      i. Payment has been processed and received
   b. Payment of Region Dues – did we receive our invoice yet?
   c. Storage Unit has been transferred – We still need keys
      i. Storage Unit Paid for through December – all information has been passed to treasurer.
   d. Budget Submitted and uploaded
   e. Reminder about CRC next April in Dallas
      i. Attendees need to book their rooms in the room blocks.

IV. New Business
   a. Past Presidents Endowments:
      i. Ken Shifflett – $1,500 endowment to be created in his name. Requires $3,500 to per name. One large account is better than multiple small endowments (interest). Julie is a good point of contact for questions on endowments. This needs more research. These endowments are secret → need to make these visible. Make one Chapter Endowment?
      ii. Catherine to find out which past presidents have endowments – if they are individual, secret, chapter, where contributions are made, what we do with contributions and where they go. REVISIT AT NOVEMBER MEETING.
   b. Treasurer position becoming more than one year term:
      i. Ken Strongly opposed to this, treasure to set up for the money side of upcoming roles.
      ii. Need to reference ASHRAE bylaws and chapter operations to see if it is possible to make treasurer a multi year position and remove from officer rotation.
      iii. Address this topic at CRC?

MEETING ADJOURNED 10.10.2023 @ 4:41pm

Quick Links

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

ROSTER

2023-2024 Houston Chapter Volunteer Leadership

Operations Team	
Alan Neeley, Board of Governors	alan_neely@pghcorning.com
Catherine Tinkler, President	CTinkler@pagethink.com
Bruce Flaniken, Historian	BLFlaniken@houstonmethodist.org
Ken Shifflett, Government Affairs Committee Chair	kshifflett@distribaire.com
Keith Reihl, Government Affairs Committee Chair	reihl@swbell.net
Alan Neeley, Honors and Awards Committee Chair	alan.neely@owenscorning.com
Garrett Neubauer, Past President	gneubauer@pagethink.com
Programs Team	
Ken Shifflett, Board of Governors	kshifflett@distribaire.com
Julie Thomet, CTTC/President-Elect	juliet@mjec.com
James Robinson, Refrigeration Committee Chair	jamesrobinsonblazer@outlook.com
Don Ivester, Refrigeration Committee Chair	Don.Ivester@graymechanical.com
Adam Segovis, Commissioning Committee Chair	ASegovis@convergentz.com
Andreas Winardi, Sustainability Committee Chair	AndreasW@McKinstry.com
Stakeholder Team	
Greg Tinkler, Board of Governors	GTinkler@pagethink.com
Nick Janssen, RP/Vice President	nick.janssen@texasairsystems.com
Amanda Ackerman, YEA Committee Co-Chair	aackerman@ssr-inc.com
Jacob Busch, YEA Committee Co-Chair	jacob.busch@carrier.com
Franco Madrigali, YEA Committee Co-Chair	franco.madrigali@jci.com
Pablo Marin, YEA Committee Co-Chair	pablo.marin@engineeredair.com
Nuts & Bolts Team	
Keith Reihl, Board of Governors	reihl@swbell.net
Heather Camden, Treasurer	camden@eceng.com
Mason Hall, Newsletter	mhall@unifyes.com
Rachel Haines, Webmaster & Social Media	rachel@sshvac.com
Engagement Team	
Mike Langton, Board of Governors	mlangton@langtonenergy.com
Tim Navarro, Secretary	Tim.Navarro@carrier.com
Shannon Yancey, Membership Promotion	shannon.yancey@caleffi.com
Tara Dennis, Student Activities	tdennis@resource-innovations.com