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ASHRAE Houston Chapter's

79th Volume

THE HOT AIR RECORDER

No. 4

November

Sun	Mo	Tue	We	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			



November Monthly Meeting

A virtual meeting was hosted by **Alex McCray**, City of Houston Public Works Staff Analyst, a member of the Construction Code Modernization Project discuss the City of Houston's 2021 Building Code Adoption Process.



YEA Happy Hour

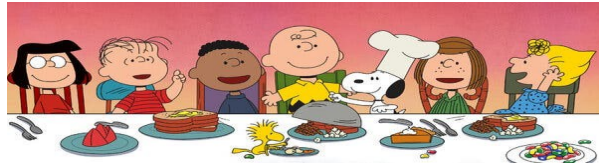
Join us for YEA's November HH Part 2

Sponsored by Climatec

Date / Time: November 17th from 4-7PM

Location : Moonshine Deck

1239 W 19th St., Houston, TX 77008



Thomas H. Toler, P.E.

1973-74 ASHRAE
President

Recipient of the
ASHRAE Lincoln
Bullion Membership
Award

IN LOVING
MEMORY
Nov. 9 2022

2023 ASHRAE Winter Conference & AHR Expo



ATLANTA, GEORGIA
2.4.23 - 2.8.23 | [Register Here](#)



REMINDER!
Applications for ASHRAE Society Scholarships are due by December 1st!
[Apply here](#)



REGION VIII CRC

Monterrey

April 27-29, 2023

Region VIII CRC is going to Monterrey next year!
More details can be found [here!](#)

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THIS MONTH'S MEETING



HPC Newsletter

Monthly updates and changes at the Houston Permitting Center.



Construction Code Modernization Project

The City of Houston is about to begin engaging stakeholders in the Construction Code Modernization (CCM) project, designed to build a resilient and sustainable City that can shield us from future shocks and stressors to keep Houstonians safe, healthy, and strong.

With FEMA funding from Hurricane Harvey, the CCM project will help the City move from the 2015 Construction Codes to the 2021 Construction Codes. The International Code Council's family of 2021 I-Codes will be adopted as a base code with local amendments that will strengthen the base code and ensure the long-term sustainability of the development community.

The CCM project kicked off in mid-June of 2022 and will take two years to successfully complete the six major tasks to accomplish the City's goals and objectives. The stakeholder engagement period will begin in December and continue through the end of April 2023.

During this period, the public and all internal and external stakeholders, including architects, engineers, builders, developers, tradesmen, and technical subject matter experts, will have an opportunity to review all codes up for adoption and submit code amendments.

[Read more](#)

Tuesday, November 22nd the Houston Chapter held a virtual meeting with Alex McCray, City of Houston Public Works Staff Analyst. As a member of the Construction Code Modernization Project, he discussed the City of Houston's 2021 Building Code Adoption Process providing an overview of the project and how the ASHRAE Houston Chapter can be involved, which is important to our members and the industry, and answered questions from participants.

The City of Houston is embarking on the Construction Code Modernization (CCM) project with the primary objective of adopting the 2021 Building Codes. This project was constituted by Mayor Turner with FEMA funding received due to the devastating impact Hurricane Harvey had on Houston. Adopting the most current building codes will allow Houston to appreciably increase the resilience of our communities by mitigating the damages caused by disasters and potential climate stressors. Construction Codes—and their consistent and timely updating and enforcement—ensure the health and safety of buildings, their functions, and the communities they serve. Now, more than ever, we must be at our strongest and most resilient as we Build Houston Forward. Together we create a strong foundation for Houston to thrive!

More information can be found at <https://www.houstonpermittingcenter.org/construction-code-modernization>

ASHRAE members are encouraged to:

- 1) Sign up for the newsletter and updates
- 2) Join a committee and be part of the code development process, and/or
- 3) Submit a Construction Code Amendment.

If you participate in a committee, please let Catherine Tinkler and/or Garrett Neubauer know so that we can track ASHRAE member participation in this effort.

NOVEMBER 22, 2022

\$0- ADVANCED REGISTRATION

\$0- ALL NON-MEMBERS

\$0—Life Time Member

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LAST MONTH'S MEETING

Sustainability + Decarbonization in the Real World

Please join the ASHRAE Houston Chapter & Women in ASHRAE for a technical panel discussion



Akshaya Satpute Naik
Senior Program Manager at Resource Innovations



Jill Kurtz
Principal and Building Sciences Director at Page



Lisa Lin
Director of Sustainability at Harris County



Tam Osentowski
Principal at Schneider Electric Sustainability Business

October 27th

Networking - 9:30-10:00AM
Panel Discussion - 10:00-11:30AM

**UH Downtown Academic Building
Robertson Auditorium - A350
315 N Main Street - Houston, TX**



Women in ASHRAE Technical Panel Discussion

WHO?

Akshaya Satpute Naik
Jill Kurtz
Lisa Lin
Tam Osentowski

WHEN?

Networking—9:30 - 10:00AM
Discussion—10:00 - 11:30AM

WHERE?

UH Downtown Academic Bldg.
Robertson Auditorium - A350
315 N Main St, Houston, TX 77002

OCTOBER 27TH, 2022

\$0- ADVANCED REGISTRATION

\$0- ALL NON-MEMBERS

\$0—Life Time Member

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IN LOVING MEMORY

Thomas H Toler

October 5, 1933—November 9, 2022

Written By: Gayle Toler



On November 9, 2022, after a prolonged battle with pancreatic cancer, Thomas H. (Tom) Toler went to be with his Lord and Savior. He was born in Dallas, Tx on October 5, 1933, graduated from Austin High School in 1952 and the University of Texas in 1957 with a BS in Mechanical Engineering. Soon after graduation, Tom married Austinite, Gayle Anderson, with whom he shared 65 years of marriage. While serving in the US Army 980th Corp. of Engineers, Tom was employed with Cessna Aircraft and York Corporation. In 1962 he began 29 years with Houston Lighting and Power. Tom was a Registered Professional Engineer, and served as President of ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers), where he received the prestigious Lincoln Bouillon Medallion, also was President of BOMA (Building Owners and Managers Association) and a member of The Boy Scouts of America.

After early retirement, Tom and Gayle updated the Anderson family home in Tarrytown, returned to the church that he and his parents helped support in its infancy, the Episcopal Church of the Good Shepherd. Tom served as a docent at the Bob Bullock Texas History Museum and the Lady Bird Johnson Wildflower Center. He volunteered with Habitat for Humanity, AGE Computer Learning Center, and helped start the Neighborhood Watch Program on his street. He is survived by his loving wife, Gayle Anderson Toler, daughters, Sandra Gayle Toler and Debra Toler King and Vernon King; his sister, Terry Toler Huxford, dearest friends, Don Pichinson, June Byrnes and Terry Tirado, beloved grandchildren, Thomas Alves (Kendra), great grandchildren, Lyra Grace and Westley Benjamin Alves; Callender grandchildren, Amy E. Jones (TJ), Andrew Dean and Aaron Toler, brother-in-law, Bobby Anderson of Austin, Tx., Anderson nephews and niece, Bo (Susan), Scott, Stephen (Cathy), Jeff, Chris (Melissa), Lori (Van), and Randy (Lisa); cousin Jean Sommerfield, and many other cousins.

A memorial service will be held on Wednesday, November 30, 2022, at the Episcopal Church of the Good Shepherd at 10:30 a.m., 3201 Windsor Road, Austin, TX 78703.

In lieu of flowers, please make donations in Tom's memory to the Episcopal Church of the Good Shepherd or to any organization for which Tom volunteered. Tom may be gone from my sight but never from my heart.

He was my sunshine!

[Link to Obituary](#)

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SILVER



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ENGINEERING



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MEMBERSHIP

THINKING OF JOINING OR RENEWING? CHECK OUT THESE RESOURCES:

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!](#)



MEMBERSHIP BENEFITS FLYER

[Click here](#) for a flyer that includes a summary of membership benefits by grade.



STUDENT MEMBERSHIP BROCHURE

This brochure provides a description of all resources available for ASHRAE student members. This is a great brochure for recruiting new members at existing student branches or for the formation of a new student branch.



SUPPORT MY ASHRAE RENEWAL

Most employers are happy to support involvement in a professional society like ASHRAE. [Here's a sample email](#) to get your boss on board with supporting your new membership renewal.



ASHRAE

MEMBERSHIP GUIDE

[Click here](#) for an up-to-date overview of all benefits associated with joining the Society. This reference is a great tool for members and potential members. Flip through the Membership Guide.

YOUNG ENGINEERS IN ASHRAE GUIDE

This guide highlights the benefits of ASHRAE for a young professional member highlighting programs and services created specifically for ASHRAE members 35 and younger.

SUPPORT MY ASHRAE MEMBERSHIP

Most employers are happy to support involvement in a professional society like ASHRAE. [Here's a sample email](#) to get your boss on board with supporting your new membership.

APPROVED

REAPPROVED

Join or renew through <https://www.ashrae.org/join>

If you have any questions, contact membership@ashraehouston.org

TREASURER



22-23 Treasurer: Nick Janssen



Chapter is in good financial standing



Books have been transferred from Ayman Ashkar to Nick Janssen



2022 taxes filed

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RESEARCH PROMOTION

ANNUAL ASHRAE GOLF TOURNAMENT

-11.15.2022-

The Fall 2022 ASHRAE Golf Tournament was...a cold one

Thank you to all Sponsors and Volunteers that made this event a huge SUCCESS!



ASHRAE Technology Awards

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Now is the time to consider submitting a project(s) for ASHRAE's Technology Awards this year. It starts by brainstorming what projects you have started up that would be eligible for one of the following categories:

1. Category - Check one and indicate New, Existing, or Existing Building Commissioning (EBCx)			
<input type="checkbox"/> Commercial Buildings	<input type="checkbox"/> New	<input type="checkbox"/> Existing or	<input type="checkbox"/> EBCx
Institutional Buildings:			
<input type="checkbox"/> Educational Facilities	<input type="checkbox"/> New	<input type="checkbox"/> Existing or	<input type="checkbox"/> EBCx
<input type="checkbox"/> Other Institutional	<input type="checkbox"/> New	<input type="checkbox"/> Existing or	<input type="checkbox"/> EBCx
<input type="checkbox"/> Health Care Facilities	<input type="checkbox"/> New	<input type="checkbox"/> Existing or	<input type="checkbox"/> EBCx
<input type="checkbox"/> Industrial Facilities or Processes	<input type="checkbox"/> New	<input type="checkbox"/> Existing or	<input type="checkbox"/> EBCx
<input type="checkbox"/> Public Assembly	<input type="checkbox"/> New	<input type="checkbox"/> Existing or	<input type="checkbox"/> EBCx
<input type="checkbox"/> Residential (Single and Multi-Family)			

Start thinking now about the **projects that opened for operation on or before September 1st, 2022**

Houston Chapter submission deadline is Friday, February 17th, 2023.

Contact Catherine Tinkler – CTTC Chair for additional information and instruction on how to submit your project.

ctinkler@pagethink.com

Benefits of Winning a Technology Award



Recognized by peers as being innovative and capable of achieving a high level of competence



Recognition on ASHRAE's website



Winning projects are highlighted in the ASHRAE Journal and High Performing Buildings Magazine



Opportunity to bring additional recognition and prestige to buildings with innovative design



First place awards and the Engineering Award of Excellence are honored at the Plenary Session of the Society's Winter Meeting



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GRASSROOTS GOVERNMENT

2022-2023 GRASSROOTS GOVERNMENT

ADVOCACY CO-CHAIRS

KENNETH SHIFFLETT



KEITH REIHL



DOE PROJECTS 40% EMISSIONS REDUCTION FROM INFLATION REDUCTION ACT

The U.S. Department of Energy released a fact sheet highlighting the Inflation Reduction Act's monumental support for clean energy technologies that will lower energy costs for families and businesses. Expected to help drive 2030 economy-wide greenhouse gas emissions to 40% below 2005 levels, the legislation will also bolster domestic manufacturing and provide direct investments for overburdened and underserved communities across America.

[Read more](#)

<https://www.ashrae.org/about/government-affairs>

Look forward to the 2022-2023 year.

Keith & Ken



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ASHRAE HVAC Design Training

ASHRAE is organizing the HVAC Design Training in Austin, TX on November 14-18, 2022. The training will be offered in two parts: Level I–Essentials on November 14-16 and Level II–Applications on November 17-18. We are seeking a push from the Houston Chapter to help promote the training to Chapter members and other area associates. An email and social media promotion from the Chapter would boost our efforts!

Attached is an HTML promotion detailing the training that you can forward to your Chapter members. Visit the HVAC Design Training webpage at www.ashrae.org/hvacdesign for more details on the value of this training.

HVAC Design: Level I ? Essentials

When: November 14 ? 16, 2022 | Austin, TX

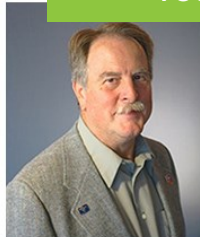
Level I ? Essentials November 14 ? 16, 2022	Member	Non-Member
Early Bird ? 60 Days	\$1,086	\$1,358
Early Bird ? 30 Days	\$1,109	\$1,386
Standard	\$1,143	\$1,429

[Register Now](#)

ASHRAE's HVAC Design: Level I ? Essentials provides intensive, practical training for HVAC designers and others involved in the delivery of HVAC services. In three days, gain practical skills and knowledge in designing and maintaining HVAC systems that can be put to immediate use.

- Fundamentals
- Heating/Cooling Load Calculation
- System Selections
- HVAC System and Components
- Cooling System
- Basic Design of Hydronic Systems
- Basic Design of Air Systems
- Control/BAS

YOUR INSTRUCTORS



Donald Brandt, CEM, Life Member
ASHRAE, BEAP
[>> View Bio](#)



Dennis Wessel, P.E., Fellow/Life
Member ASHRAE, LEED? AP
[>> View Bio](#)

HVAC Design: Level II ? Applications

When: November 17 ? 18, 2022 | Austin, TX

Level II ? Applications November 17 ? 18, 2022	Member	Non-Member
Early Bird ? 60 Days	\$747	\$934
Early Bird ? 30 Days	\$763	\$954
Standard	\$786	\$983

[Register Now](#)

Register for BOTH training sessions to save money and fast track your experience level!

ASHRAE's HVAC Design: Level II ? Applications provides instruction on HVAC system designs for experienced HVAC designers and those who complete the HVAC Design: Level I ? Essentials training. In two days, gain an in-depth look into Standards 55, 62.1, 90.1, 189.1 and the Advanced Energy Design Guides. Training will focus on a range of topics including: HVAC equipment and systems, energy modeling, designing a chiller plant, and BAS controls.

- Sustainability/Green/LEED/HPB/NZEB
- Standard 55
- Standard 62.1
- Building Systems: Education Facility
- System Applications: Chiller/Boiler, Air Handlers, VAV Terminals
- Life Cycle Cost
- Building Systems: Multi-story Office Building
- Water-to-Water GSHP Option 1 Chilled Beam with DOAS
- Water-to-Water GSHP Option 2 UFAD

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YEA



Thank you to everyone who came out and made our November HH's a success!



Tim Navarro

2022-2023 YEA Chair

Tim.Navarro@carrier.com

YEA Happy Hour

Join us for YEA's December HH

Sponsored by Caleffi Hydronic Solutions

Date: Thursday, December 15th

Time: 4-7PM

Location : TBD

Be on the lookout for official location!

DIA

Diversity in ASHRAE!

As our world (hopefully) moves toward a new normal, we look forward to engaging in meaningful discussions, hosting facility tours, and coordinating lively social events in whatever the appropriate manner may be.

For the upcoming year DIA aims to provide

- A network of women supporting all individuals in the industry
- Opportunities for professional growth and development
- Leadership skills
- Broader exposure and awareness through outreach programs

We will also work in connection with Shannon Yancey, Chair position for Membership, to help grow and bring awareness to DIA. I am thrilled to serve as your Co-Chair for the next year and look forward to endless possibilities.

Please feel free to contact me, Krista Villanueva or Lauren Ramos, with any questions or suggestions!

Kvillanueva@gulfcoastboiler.com

lauren.ramos@dialecticeng.com



KRISTA VILLANUEVA



LAUREN RAMOS

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NOVEMBER STUDENT ACTIVITIES



ASHRAE SOCIETY SCHOLARSHIP PROGRAM

Scholarships are awarded based on the following and for the academic year following the application deadline beginning with the fall semester. Re-applications will be accepted from former scholarship applicants and recipients provided they meet current scholarship criteria. Students may only receive one Society scholarship in any given year. Scholarship amounts awarded shall not exceed the direct annual cost of attending the educational institution (i.e. tuition, books, supplies, room and board, etc.) through graduation.

1. A cumulative grade point average (GPA) of at least 3.0 on a scale where 4.0 is the highest and/or a class standing of no less than the top 30% evidenced by an official transcript of grades or written statement from a school administrator.
2. Three letters of recommendation, including one from an instructor or faculty advisor, a current or past employer, and another character reference. In the case of schools with an ASHRAE student branch, a letter from the faculty advisor of that branch may be one of the three letters of recommendation. Visit <https://www.ashrae.org/communities/student-zone/student-branches> for a list of ASHRAE student branches.
3. Potential service to the HVAC and/or refrigeration profession.
4. Financial need
5. Excellence, Character, Leadership (Fully describe academic achievement and other leadership roles)
6. Service to community & others (Detail participation in the arts/music, athletics, volunteerism, environmental/humanitarian groups, or other service organizations)

FOLLOW THE LINKS FOR MORE INFO

[Apply Today!](#)

[Selection Process](#)

[Scholarships, Criteria
and Deadlines](#)

[Tips for Applicants](#)

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ANNUAL APPLICATION **DEADLINE** IS DECEMBER 1ST