



NorthEastAire

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October 3, 2024

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October Meeting

Tuesday, October 15, 2024

Meeting Topic:

Building Envelopes and HVAC Considerations

Where:

Embassy Suites Waltham
550 Winter Street
Waltham, MA 02451

Schedule of Events:

Networking: 5:30PM-6:30PM

Dinner served at 6:30PM

Presentation: 7:00PM-8:00PM

Cost:

Members—\$50

Non Members—\$60

Student Members with RSVP—Free

Register: ashraeboston.org



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BOSTON CHAPTER OFFICERS 2024-2025



President's Message

Thank you to those who joined us for the tour of the Liberty Mutual headquarters in Boston. It was a great turnout and overall a great way to kick off our technical program. The project team shared insight about their award-winning, persistent campaign to reduce the energy consumption of their downtown Boston building complex. The panel format was a compelling way to convey a topic that has less of a visual component than most of the technical topics we cover at ASHRAE. We also thank Liberty Mutual for graciously hosting the meeting in their conference center.



Lance Brown, President

This month, we return to Waltham to learn about the relationship between building envelopes and HVAC. Ted Hetzel from F&T will present "Building Envelope 101" about air/water control and what it means for HVAC design, along with some great case studies.

Later this month will be the first YEA event, which will be at SPIN Boston. Look for a registration email very soon.

We have a great set of volunteers but are always looking for more. Many hands make light work. We have plenty of options for how to contribute and learn about this organization. Please reach out to me or any of the committee chairs to learn more about how you can get involved.

Lance Brown

Boston Chapter President

president@ashraeboston.org



Government Affairs Headlines

Ben Pignatelli—Government Affairs Committee Chair

More good news for heat pumps in Massachusetts, as regulators order National Grid to develop special rate.

The decision by public utility regulators Monday instructs National Grid to develop a lower, wintertime electricity rate for customers who use a heat pump in their home, similar to one previously approved for Unitil. Sarah Shemkus, Energy News Network. October 1, 2024.

New program trains geothermal drillers to meet growing need in Massachusetts.

Framingham, where the young recruits visited, is at the forefront of geothermal growth in Massachusetts. The city collaborated with HEET and the utility Eversource to pilot a geothermal network, which went online this year. Once all buildings are converted with new HVAC systems, a total of 24 residential and five commercial buildings will receive their heating and cooling from geothermal instead of gas. Hannah Loss. WGBH. September 4, 2024.

October Meeting

Meeting Topic: An overview of building envelope systems, and how HVAC design needs to consider them for proper system and component selections

Speaker: Ted Hetzel, PE - Associate, Sustainability Specialist/Mechanical Group Leader

Ted is a registered professional engineer, certified passive house consultant (CPHC), and LEED Accredited Professional with ten years of experience. He joined F&T in 2021 as HVAC Group Leader and, since then, has worked to improve our capabilities in energy efficiency and other sustainable engineering topics. This led him to his role as Sustainability Specialist, where serves as the go-to technical expert for sustainability engineering efforts and projects. Ted's background includes design of Passive House and LEED certified buildings, energy modeling, and applications of novel technologies. He has a passion for finding efficient and practical solutions, a goal he shares with many of our clients. Ted also mentors other engineers to develop their design capabilities, performs QA/QC on projects, and assists clients with the development of energy-focused plans and projects.



Ted Hetzel, PE

Historical News

Kevin Doty—Historical Committee Chair

A few months ago, on my 35th birthday, my wife pointed out all the grey hair on my head. I told her not to worry – I just became the ASHRAE Boston Chapter Historian!

The stigma is you must be “older” to be a chapter historian. Nonsense! The only requirement is having a few grey hairs! Or are those two things one in the same? Wait, is YEA for those 35 AND under? Or for those UNDER 35? If I have to ask the question, then maybe I'm not young anymore.

Anyway, what matters is that I care about history. I like it. It interests me. World history, US history, the history of building construction, and of course the history of ASHRAE and our local Boston chapter. If we stop and think about every high school class, college class, and lunch & learn presentation, there's history baked into all of it! Physics (Einstein, Faraday, Maxwell), Fluid Dynamics (Bernoulli – who could forget the Bernoulli equation), the history of chillers (Reuben Trane, Willis Carrier)...the list is endless! We need to understand where we've been in order to progress towards where we want to go.

There have been so many incredible individuals involved in our Boston chapter over the years. I'm looking forward to learning more about our chapter's history, while documenting all of our events and member successes.

My good friend Eric Edman is the king of all things historian-related. I won't match his level of knowledge or his amazing historical trivia (don't throw the baby out with the bathwater!). A huge thank you to everything Eric has contributed over the years.

One of the items on the “to-do” list is to digitize a lot of the physical historical records. If anyone has historical material such as newsletters, photos, etc., please send our way and we will make sure to capture it into the digital archives.

I am looking forward to seeing all of you at our next meeting!

Kevin Doty



Kevin Doty



Join us in Orlando this February 8-12 for the 2025 ASHRAE Winter Conference and AHR Expo. Register for the conference to connect with peers and thought leaders, get inspired, and see the latest innovations at the AHR Expo.

Early Bird Registration ends October 31st! Register [here!](#)

View the Conference Schedule [here!](#)

Sustainability Committee Update

The 2024-2025 ASHRAE Sustainability Committee is interested in your input on a sustainability-oriented community service project for this year. A couple ideas currently in discussion are:

- One-day volunteering with Habitat for Humanity or on a non-profit farm
- Participation in a spring cleanup activity organized by Greenovate Boston

A fresh idea we're considering is assisting a non-profit organization with their Building Energy Reporting and Disclosure Ordinance (BERDO) Compliance. Compliance to emissions standards set by BERDO is required starting in 2025 for residential buildings of 35+ units and non-residential buildings of 35,000+ sqft. Failure to comply with these standards could cost the organization in the form of hefty daily fines.

If you would like to share your input on this or any other sustainability-related ASHRAE Boston subject, please contact me directly using either email below:

Matthew Halley

C001sus@ashrae.net

mhalley@buckleyonline.com



YEA Update



Matt Hallock—YEA Committee Chair

This month we will be holding our first YEA event of the ASHRAE year. On Wednesday, October 23rd at 5pm we will be hosting the event at SPIN Boston. Come out, bring a coworker, and put your ping pong skills to the test. We will be there for 2 hours and we will crown a ping pong champion. There will be food and drinks to enjoy. This year we are looking to expand our involvement from the younger members of the society as well as get more young professionals from the industry to take part in our events/meetings. There is always a good time to be had while catching up with existing friends and creating new relationships in a more relaxed environment. This event will be limited to 50 people so please be on the lookout for an invite in your email in the coming weeks to sign up for the event. We encourage the members to spread the word around your office to the coworkers who are not members, so they can get a taste of what we do. There will be a \$25 registration fee to attend. If there are any questions, please reach out to Matt Hallock at mhallock@apav.com.



Honors and Awards Update

Bob Persechini—Honors, Awards, & Nominating Committee Chair

As a follow up to updating your ASHRAE Bio, we have been notified by society that the listed members below may be eligible to apply for the following awards.

1. **Distinguished Service Award (DSA)** – The following active members who may have enough participation listed in their member bio to qualify. Candidates must score a minimum of 15 points on the point tally form.
Darcy Carbone, Dale Cagwin, Enrica Galasso, Peter Armstrong, Detlef Westphalen, Joseph Lstiburek, Lloyd Le, Shichao Liu, Shlomo Novotny
2. **Exceptional Service Award (ESA)**– The following active members who have received the DSA and been Full Member grade for at least ten years. Candidates must score a minimum of 45 points on the point tally form.
Howard McKew, Steven Rosen, Christopher Wilkins
3. **Fellow** – The following active members who have been Full Member grade for at least ten years. Nominators must submit the Fellow nomination form and required supporting documentation.
See next page

The Society awards below have an upcoming deadline of December 1. Please submit nominations to honorsandawards@ashrae.org.

1. [Louise & Bill Holladay Distinguished Service Award](#)
2. [Andrew T. Boggs Service Award](#)
3. [Distinguished Service Award \(DSA\)](#)
4. [Exceptional Service Award \(ESA\)](#)
5. Distinguished [50](#) and [75](#)-Year Member Awards

If you should have any questions regarding Award information and nomination forms, please refer to the H&A PowerPoint listed at www.ashrae.org/honors or email Bob.Persechini@nv5.com.

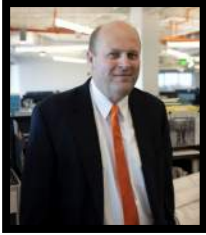
Thank you, Bob Persechini



Honors and Awards Update cont...

ASHRAE Fellow Candidates:

- Laurence Barile
- Charles Brough
- David Brown
- Marilyn Brown
- Preston Bruenn
- Wayne Bunker
- Michael Coburn
- Laurence Colavito
- Albert Collado
- Thomas Damiano
- John Di Bari
- Joseph Di Sisto
- Anthony Diguglielmo
- James Dolan
- Yasushi Endo
- Frank Fata
- Bruno Franceschini
- Charles Frisina
- John Fusco
- Kerry Gorczynski
- Walter Greenwood
- Steve Grgas
- Robert Hedman
- Gerard Hluchan
- Ervine Holmes
- Wayne Hubbard
- Paul Iacullo
- Richard Joyce
- Virendra Kapoor
- Andrew Karpowich
- Jonathan Katz
- John Kmetzo
- Wolfgang Kretschmann
- Gerald Ludwig
- Charles Michel
- Ronald Mineo
- George Mulvaney
- Emile Munier
- Mohammad Naraghi
- Frank Pallio
- Charles Pein
- Steven Pietropaolo
- Gary Pomerantz
- Robert Potter
- Abdul-Salim Qureshi
- Robert Reape
- Douglas Schmidt
- Russell Seacor
- Bass Shakra
- David Shepard
- Lyle Shute
- Clay Stevens
- Werner Tietjen
- Steven Tochilin
- Adrian Tuluca
- William Urban
- Mario Viscovich
- Vincent Vitale
- Barbara Walsh
- John Wieber, Jr
- Thomas Wynne, Jr
- William Zenda



Historical Special Feature



Eric Edman—Historical Committee Member

Here is a little bit of different history to enjoy. We do hope you enjoy a look back at our past. Some of it is quite funny.

Eric Edman

There is an old pub in Marble Arch, London, which used to have a gallows adjacent to it. Prisoners were taken to the gallows (after a fair trial of course!) to be hanged until death. The horse-drawn prisoner cart- called a dray, carting the prisoner, was accompanied by an armed guard, who would stop the dray outside the pub and ask the prisoner if he would like "ONE LAST DRINK". If he said YES, it was referred to as **ONE FOR THE ROAD**. If he declined, that Prisoner was **ON THE WAGON**. So there you go!!

Here are some facts about England in the 1500s:

Most people got married in June, because they took their yearly bath in May and they still smelled pretty good by June!! However, since they were starting to smell, brides carried a bouquet of flowers to hide the body odor. Hence, the custom today of carrying a bouquet when getting married.

Baths consisted of a big tub filled with hot water. The man of the house had the privilege of the nice clean water, then all the other sons and men, then the women, and finally the children and then the babies. By then the water was so dirty you could actually lose someone in it! Hence the saying, "**Don't throw the baby out with the bath water!**"

Houses had thatched roofs, thick straw piled high, with no wood underneath. It was the only place for animals to get warm, so all the cats and other small animals (mice, bugs, etc.) lived in the roof. When it rained it became slippery and sometimes the animals would slip and fall off the roof. Hence the saying "**It's raining cats and dogs.**"

There also was nothing to stop things from falling into the house. This posed a real problem in the bedroom, where bugs and other droppings could mess up your nice clean bed.

Hence, a bed with big posts and a sheet hung over the top afforded some protection. That's how **canopy beds** came into existence.

The floor was dirt. Only the wealthy had something other than dirt. Hence, the saying, "**dirt poor.**"

The wealthy had slate floors that would get slippery in the winter when wet, so they spread thresh (straw) on the floor to help keep their footing. As the winter wore on they added more thresh until, when you opened the door, it would all start slipping outside. So, a piece of wood was placed in the entrance. Hence: a "**thresh hold.**" (Getting quite an education, aren't you?)

Sometimes people could obtain pork, which made them feel quite special. When visitors came over they would hang up their bacon, to show off. It was a sign of wealth that a man could, "**Bring home the bacon.**" They would cut off a little to share with guests and they would all sit around talking and "**chew the fat.**"

Those with money had plates made of pewter. Food with high acid content caused some of the lead in the pewter to leach onto the food, causing lead poisoning and death. This happened most often with tomatoes. So for the next 400 years or so, tomatoes were considered poisonous. All because of lead poisoning.

Lead cups were also used to drink ale or whiskey. The combination would sometimes knock the imbibers out for a couple of days. Someone walking along the road would take them for dead and prepare them for burial. They were laid out on the kitchen table for a couple of days and the family would gather around and eat and drink and wait and see if they would wake up. Hence, the custom of "**Holding a Wake.**"

And lastly, for the moment.

England is an old and small country and the local folks started running out of places to bury people. So they would dig up coffins and would take the bones to a bone-house and then reuse the grave!!

When reopening these coffins, 1 out of 25 coffins were found to have scratch marks on the inside and they then realized they had been burying people alive. So they would tie a string on the wrist of the corpse, thread it through the coffin and up through the ground and tie it to a bell. Someone would have to sit out in the graveyard all night (the "**graveyard shift**") to listen for the bell; thus someone could be, "**Saved by the Bell**" or was considered a "**Dead Ringer**". And that's the truth!!

Now, whoever said English history was boring!!! So pass this on and educate someone!

-Eric

Presidential Award of Excellence



Boston Chapter - 2024-2025

Chapter Members	Membership Promotion Points	Student Activities Points	Research Promotion Points	History Points	Chapter Operations Points	Chapter Technology Transfer Points	Government Affairs Points	Electronic Communications Points	YEA Points
<u>976</u>	<u>900</u>	<u>230</u>	<u>0</u>	<u>242</u>	<u>260</u>	<u>1600</u>	<u>300</u>	<u>0</u>	<u>1525</u>

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EMPLOYMENT ADS FOR SALE!

Is your company hiring? Your employment ad could be here next month! Purchase an employment ad through the Boston ASHRAE Chapter and get your ad seen by all of our readers and members. Reach out to Newsletter Editor, Josephine Wendroth, jwendroth@cmta.com, if you have questions or want to purchase an employment ad, starting at \$250 for one month. We can advertise within the newsletter, on our website, on LinkedIn, or send out an email blast to over 1000 subscribers. If you are a sponsor of our chapter, check out your sponsorship level because this perk may already be included at no extra cost to you!

Welcome New ASHRAE Boston Members

We welcome those that joined our chapter over the last month!

- Daniel McEneaney
- Robert Payne
- Joseph Faria
- Mark Mullins
- Connor Foster
- Joshua Robinson
- Megan Alanis
- Rylan Morris
- Morgan Gilman
- Joseph Antonellis
- Everett Benham
- Patrick Quinlan
- Ellen Troyer
- Caleb Ward
- Gage Boon
- Keith Prata
- Tom Collins
- Peter Schneider
- Kara Mathisen
- Michael Williams
- Normajean Longval



ANNOUNCING:

2024-25



**BOSTON CHAPTER
MEMBERSHIP BATTLE**

The Membership Battle has commenced! Tune in to the November newsletter for updated standings!

BATTLE RULES:

When: September 10, 2023 - April 1, 2025

Who wins: The firm/company/organization with the most new-member registrations. (If there is a tie for first place, the winner will be chosen randomly.)

The prize: Recognition at April meeting, (2) Red Sox tickets, and potential bonus prizes.

With the most new-member registrations, (if there is a tie for first place, the winner will be chosen randomly.)

The prize: Recognition at April meeting, (2) Red Sox tickets, and potential bonus prizes.

**JOIN
ASHRAE**

Congrats to XOVIS for winning the 23-24 Membership Battle!

A hearty thank you to our 2024 sponsors. Our corporate sponsorship program helps the chapter meet their research & promotion goals and supports chapter activities.



EVENTS CALENDAR

Date	Location	Event Information
September 10	Liberty Mutual Boston, MA	Mechanical Tour and Dinner
October 15	Embassy Suites Waltham, MA	Building Envelopes & HVAC Considerations
October TBD	TBD	YEA Event
November 12	DoubleTree Cambridge, MA	DEI, Presentation by Ginger Scoggins, outgoing ASHRAE President
December TBD	TBD	YEA Event
December 10	Embassy Suites Waltham, MA	Decarbonization
January 12	DoubleTree Cambridge, MA	TBD
February TBD	Embassy Suites Waltham, MA	TBD
March 11	Embassy Suites Waltham, MA	Framingham Ground Source Heat Pump Pilot Project
April 8	DoubleTree Cambridge, MA	Stairway Smoke Pressurization
May 12	Pinehills Golf Club Plymouth, MA	ASHRAE Golf Outing
June 10	TBD	Installation Of Officers

*The calendar is subject to changes, please see the [ASHRAE Boston Chapter website](#) for the most up to date information!

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Boston Monthly
YEA Events
Joint Meetings
Special Events

BOSTON CHAPTER OFFICERS



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2022-2025	2023-2026	2024-2027
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Become a chair or committee member today! Please contact Chapter President at president@ashraeboston.org if you are interested!