



# NorthEastAire

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We look forward to our upcoming Golf Outing at Pinehills Golf Club on Monday, May 13.

Congratulations to XOVIS on winning the Membership Battle!

XOVIS



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## BOSTON CHAPTER OFFICERS 2023-2024



## President's Message



President  
Will Fisher  
FIA, Inc

Thank you to everyone who joined us for the 2024 ASHRAE Boston Product Show. It was a pleasure to see nearly 500 attendees and 60 vendors come together over the latest innovations in our industry. A special thank you goes out to Mark LaFrance from HTS New England, Rick Stehmeyer from Control Technologies, Patrick Robbins from AEC Profiles, and Matt Bumble from Price Industries for our three technical sessions.

Next on our calendar is the 58th Annual ASHRAE Golf Outing on Monday, May 13<sup>th</sup>. Both courses have sold out. Beyond the course, the event has many upgrades over our previous golf outings. Thank you to the sponsors and the participants for making such an event possible. I hope you are all looking forward to a great day on the course.

Looking a bit further ahead, please mark your calendars for June 11th. The location for our June Installation of Officers is Harpoon Brewery in the Seaport District. We're excited to host Ginger Scoggins, our 2023-2024 ASHRAE Society President, and Steve Sill, Region I DRC. The evening promises to be memorable, and we'll share more details soon.

As we near the end of this society year, I am thrilled to share that our Boston Chapter has achieved 18,005 points in the ASHRAE Presidential Award of Excellence (PAOE), leading the tally significantly ahead of other chapters. As a point of reference, New York City has the second-greatest PAOE count of 11,105. This clearly reflects the dedication and hard work of our Board of Governors and committee members for 2023-2024.

Vineet Nair and Matt Hallock deserve special recognition for their leadership roles in coordinating the 2024 Product Show and the 2024 Golf Outing. Your efforts have been pivotal in elevating these events.

If you're interested in contributing, please contact a board member (listed in our newsletter) or me directly. Most committees could use a co-chair or members to assist the chair. Volunteering with ASHRAE is about giving back to the industry and offering an excellent opportunity to connect and network with peers, fostering personal and professional development.

Your commitment to ASHRAE Boston makes our community strong and our events successful. Again, thanks to our 2024 Sponsors and participating members for your continued enthusiasm and support. Here's to more achievements and gatherings in the coming months!

**Will Fisher**

**Boston Chapter President | Region I RVC Government Affairs**



### ASHRAE Boston—Upcoming Ballot

Next week you should receive an email link to the ballot for the next slate of officers and board members. Please review the bios for our next chapter leaders and register your votes.

## Important Golf Outing Updates

### 58th Annual Golf Outing

**May 13, 2024 | 8:00 AM to 8:00 PM**  
**Pinehills Golf Club**  
**54 Clubhouse Dr, Plymouth, MA, 02360**



We are completely sold out of foursomes at the 58th annual golf tournament. We have 72 foursomes signed up and we are looking forward to a great day on the course. If anyone is interested in grabbing a ticket to join us for food after the round, you are more than welcome to come on by. Registration will open at 8am and the shotgun start will be at 9am sharp. Please finish getting the names of your foursomes in to me if you are signed up, so a bag tag can be created for each golfer. If there are any questions in the meantime, please feel free to contact me at [mhallock@apav.com](mailto:mhallock@apav.com). See you on Monday!

## Young Engineers in ASHRAE Update



Thank you all for coming out to the YEA event at Flight Club. A lot of fun was had and plenty of competitions took place. If you have any ideas for future YEA events, please feel free to reach out to me, [mhallock@apav.com](mailto:mhallock@apav.com). We always encourage new engineers in the industry to come to these event to network with others you may or may not have met before. This industry can get stressful at times, we need to remember to have fun with it every once in a while!



Presidential Award of Excellence



Boston Chapter - 2023-2024

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>1052</u>	<u>1600</u>	<u>840</u>	<u>1555</u>	<u>525</u>	<u>4065</u>	<u>4460</u>	<u>1550</u>	<u>1460</u>	<u>1950</u>

**Installation of Officers**

**June 11, 2024 | 6:00 - 9:00 PM**

**Harpoon Brewery and Beer Hall**

**306 Northern Avenue, Boston, MA 02210**

Join the Boston Chapter as we cap off another ASHRAE year, this time with special guest Ginger Scoggins, current president of ASHRAE Society! Cost is \$50 for members and nonmembers. Registration info to be sent out soon.

6pm-7pm: Cocktail Hour with first brewery tour shortly after 6:00

7pm: Installation of Officers

7:45pm: Second brewery tour and networking



**We're hiring!**

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## Government Affairs Headlines

### Ben Pignatelli—Government Affairs Committee Chair

The GAC supports [ASHRAE's Five Policy Priorities](#). Our Massachusetts Day on the Hill scheduled for May introduces ASHRAE as a reliable source for technical support in legislation. We want specific reference to ASHRAE standards in legislative text to make regulations clearer for those that will be affected. Last year we submitted a comment letter supporting the use of ASHRAE 62.1 and 241 in House Bill 4098 relating to improvements in indoor air quality. This year we have a focus on refrigerants legislation as MA is one of four states remaining to accept the EPA's list of acceptable refrigerants which is crucial to the Commonwealth's use of new heat pump technologies. New refrigerants will allow many technologies to operate more efficiently and use less grid electricity.

In conversations with many ASHRAE members and other market actors I have heard **“the grid can't handle all this electrification.”** To share planned grid investments and the growing body of knowledge surrounding this interesting topic I have included a few resources here. National Grid MA [expects](#) their “net load...to grow...by 131% by 2050 driven by growth in beneficial electrification.” (Beneficial electrification (or strategic electrification) means replacing direct fossil fuel use (e.g., propane, heating oil, gasoline) with electricity in a way that reduces overall emissions and energy costs.)

New supply side resources include Canadian hydroelectric power soon being brought south to MA via Maine, offshore wind, solar PV, new gas turbine [peaker plants](#) (including Peabody and West Medway), and [network geothermal](#) leading to [thermal energy networks](#), which we discussed at our March 2023 ASHRAE meeting. With the closing of nuclear and coal electric generating resources in New England, including Yankee Atomic (2007), Brayton Point (2017), Pilgram (2019), Schiller Station (2025), and Merrimack Station (2028) a lot of planning is underway on the supply side. As referenced in this column in the February edition New England's all-time peak load was 28.1 GW in August 2006 and hosts total generating resources of 33.4 GW.

**This is where our work helps.** Technologies on the demand side are things we work with every day, including variable refrigerant flow and heat pump systems; direct current (DC) motors / drives; electric commutated motors (ECM); [PEI pumps](#); [FEI fans](#); high efficiency condensing units (HECU) utilizing floating heat pressure controls, scroll compressors / variable speed reciprocating compressor, and variable speed condenser fans; heat pump water heaters (HPWHs) – including split systems; heat pump chillers using efficient refrigerants with a mono-bloc set up (where many manufacturers are currently releasing products); let alone advanced controls, scheduling, processes, and enhanced building envelopes. All of these technologies can substantially reduce electricity (and fossil fuel) use.

The [MA Grid Modernization Advisory Council \(GMAC\)](#) is a multi-stakeholder body (somewhat similar the [MA Energy Efficiency Advisory Council \(EEAC\)](#) for Mass Save) that provides transparency and recommendations to the electric-sector modernization plans (ESMPs) being developed by the investor-owned electric distribution companies.

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## Government Affairs Headlines

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Eversource Energy's 10-year capital plan includes upgrades to 12 substations and adds 14 new substations to help meet electricity demands. See the [Eversource Electric Sector Modernization Plan \(ESMP\) for Massachusetts](#). [National Grid's ESMP](#) includes a 10-year investment plan with 32 new/upgraded substations. Both utilities are proposing many grid management technologies including advanced re-closers, controls, and other optimization tools and software, including advance metering infrastructure (AMI) that can better enable time-of-use rates that can give actionable price signals to electric customers of all sizes.

[ISO New England, a non-profit that schedules the electric grid, says](#), "State efforts to modernize the grid also open up new approaches to demand resources (including energy efficiency, demand response, and distributed generation) and for coordinating planning, operations, and pricing between the wholesale and retail sectors." ISO officials go on [to say](#), "Cumulative costs to upgrade the transmission system could reach \$17 billion to reliably serve a 51 gigawatt peak in 2050 [which is roughly double our current New England electric load], or \$26 billion to support a 57 gigawatt peak... To reach those levels, the region's annual investment in transmission reliability projects over the next 26 years would need to roughly keep pace with or exceed the average spent each year over the past two decades."

The [U.S. Department of Energy's Innovative Grid Deployment Liftoff report](#) presents "pathways to accelerate deployment of key commercially available but underutilized advanced grid solutions on the existing transmission and distribution system to address near-term hotspots and modernize the grid to prepare for a wide range of energy futures."

**ASHRAE continues to lead** with technical resources, guidance, and standards, including:

- [ASHRAE Task Force for Building Decarbonization \(TFBD\)](#)
- [Grid-Interactive Building for Decarbonization: Design and Operation Resource Guide \(2023\)](#)
- [Introducing renewable energy in the updated Standard 90.1](#) which can increase site energy savings by about 5%
- [Smart Grid Application Guide](#)

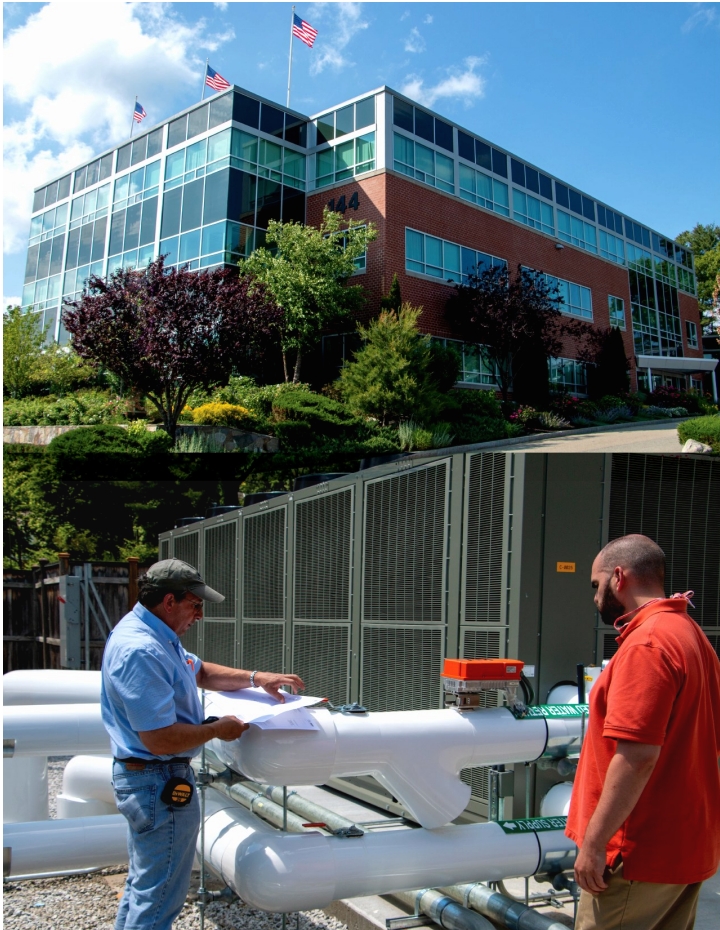
ASHRAE plans to release [five additional decarbonization guides in the next year including foci](#) on: Decarbonizing Hospital Buildings; Decarbonizing Building Thermal Systems: A Guide for Applying Heat Pumps (and Beyond); Building Decarbonization Retrofits for Commercial and Multifamily Buildings; TM 65 for North America: Whole Life Carbon Guide for Building Systems.

I urge ASHRAE members to engage in constructive conversations around this complex and important topic and avoid brash statements like the Bs and Cs are both going to win it all.

Ben Pignatelli

2023-2024 Government Affairs Chair





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## SENIOR HVAC ENGINEER / PROJECT MANAGER

We are seeking a seasoned Senior HVAC Engineer!  
The must have criteria is as follows...

- A strong background in both engineering and project management.
- 7 to 10 years of experience in the HVAC field.
- A special understanding in chiller room engineering design.
- Ambition to grow into a leadership position within the company.

**APPLY HERE**

Website: [TrinidadEngineering.com/careers](http://TrinidadEngineering.com/careers)

## Research Promotion Committee Update

Thank you to the following individuals who donated to ASHRAE Research Promotion in March:

Charles Romano

John Coffey, Jr

Since 1919, ASHRAE has supported research to improve the quality of life. ASHRAE Research impacts the industry by improving the way HVAC&R systems work, how they are applied, and allow development of technical information to create standards and guidelines, which serve as the basis for testing and design practices around the world.

Your donations support this research. If you would like to donate, go to [ashrae.org](http://ashrae.org) and click Make a Gift. Be sure to choose Boston in the ASHRAE Chapter box.

Lance Brown

2023-2024 Research Promotion chair



# The Membership Battle Winner is....



XOVIS



**New members  
from XOVIS will  
receive 2 Red  
Sox Tickets!**

# Welcome New ASHRAE Boston Members

We welcome those that joined our chapter in the last Month!

- Kevin Hickey
- John Maw
- Michael Dykens
- David Makee
- Chris Pimentel
- Elence Chen
- Jacob Schneider
- Henry Elmhurst
- Joshua Horan
- Julia Bollentin
- Sam Wills
- Liam Collins
- Adam Saltmarsh
- Christopher Donaghey

We are seeking any older printed Northeastaire Newsletters of any year. We would be grateful for your donation. We intend to scan these and save them for historical purposes. We can arrange to pick these up or meet somewhere to make an exchange. Please call, or email. We thank you in advance.

Contact:  
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C 617-548-7054

## 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. \$500 gives you one full month of advertising. ASHRAE Boston will post your employment ad on the Chapter website for one month, on all social media platforms one time (LinkedIn, Twitter, Facebook), and print a full page ad in one month of NorthEastAire which is sent by email to over 1,000 members! Reach out to the Newsletter Editor, Josephine Wendroth, [jwendroth@cmta.com](mailto:jwendroth@cmta.com), if you have questions or want to purchase an employment ad.

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



# EVENTS CALENDAR

Date	Location	Event Information
September 12	Gillette Stadium	Mechanical Tour and Dinner
October 17	Embassy Suites Waltham, MA	The Future of Refrigerants
November 8	PKL South Boston	Pickleball Event
November 14	DoubleTree Cambridge, MA	Engineers are the Physicians of the Future
December 12	Embassy Suites Waltham, MA	Joint Meeting w/ ASPE The Speech Improvement Company
January 9	DoubleTree Cambridge, MA	Energy Policy from an Engineering Perspective
February 13	Embassy Suites Waltham, MA	Airflow Management Best Practices for Data Centers
March 20	Embassy Suites Waltham, MA	Decarbonizing Boston — Joint Meeting w/ AEE
April 9	Quincy Marriott Quincy, MA	Product Show
May 13	Pinehills Golf Club Plymouth, MA	ASHRAE Golf Outing
June 11	Harpoon Brewery	Installation Of Officers

Boston Monthly

YEA Events

Joint Meetings

Special Events

[Boston ASHRAE Facebook](#)



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

