



NorthEastAire

Volume LVII, Issue No. 7

March 4, 2025

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March Meeting

Tuesday, March 11, 2025
Joint ASHRAE Boston & AEE New England Meeting

Tech Session:
Mass Save 2025-2027 Three Year Plan

Meeting Topic:
Framingham Geothermal Pilot

Where:
Embassy Suites—Waltham
550 Winter St.
Waltham, MA 02451

Schedule of Events:

Networking: 5:00PM-5:30PM
Tech Session: 5:30PM-6:30PM
Dinner: 6:30PM-7:00PM
Presentation: 7:00PM-8:00PM

Cost:

Members—\$50
Non Members—\$60
Student Members w/ RSVP—Free

Register: ashraeboston.org



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BOSTON CHAPTER OFFICERS 2024-2025



President's Message



Lance Brown, President

It was great to see so many Boston-area companies represented at the AHR Expo in Orlando, and a handful of our members also presented at the adjacent ASHRAE Winter Conference. If you haven't gone to the annual winter expo/conference, see if you and your employer can arrange for you to check it out next year. There are a few ways to make it less costly aside from volunteering at the chapter or regional level. Some of our chapter volunteers attended in the capacity of regional duties (paid at least in part by the region) and I attended thanks in part to a Boston chapter program that sends current/future/past chapter presidents to the conference to represent us and see what it's about.

Prior to the conference was our February chapter meeting, in which Allison Guttadauro of APA and Mark LaFrance of HTS gave a joint presentation on airside heat recovery in cold climates. I applaud both of them for carefully differentiating frost *prevention* from frost *control*. Also as part of that evening's program, Tim Boyd of GPS Air gave a detailed overview of the ASHRAE 62.1 IAQ procedure.

This month's meeting will be in Waltham, hosted by ASHRAE but promoted jointly with AEE New England. The main meeting topic will be the geothermal pilot in Framingham, MA. This exciting topic was suggested and supported by Josh Smith (New Balance), who has generously coordinated regular meetings the past few months in preparation for this month's presentation. Keep reading for more information about the presenters and topic. And don't miss the 5:30 technical session on Mass Save's new 3-year plan.

Lance Brown

Boston Chapter President

president@ashraeboston.org



Golf Update

Matt Hallock—Golf Outing Chair

Golf season is right around the corner, and I know it is what everyone is looking forward to. This winter has been quite a bit longer than we are used to and for the skiers and snowboarders, that is a great thing; for the golfers, if you haven't done that winter trip down south to get in a round, you are chomping at the bit to get out there. This year we are looking forward to another sell out crowd down at Pinehills Golf Club, filling up all 36 holes of the beautiful golf course. The day will start early and hopefully get everyone home in time for dinner with their families, if you so choose! Below is a recap of what you are going to expect to see for registration. A registration link will go live on the ASHRAE Boston website.

REGISTRATION WILL OPEN ON 3/10 AT 6:00AM.

Where: Pinehills Golf Club

When: Monday, May 12, 2025

Registration – 8am

Shotgun Start – 9am

Lunch – During the round, complimentary

Raffles – Post round, prior to dinner

Dinner/Late 2nd Lunch – Between 2:30 and 3pm

Foursomes Available:

Platinum, Gold & Silver Sponsors already signed up (31 foursomes)

Basic Foursome - \$1600

Hole and Raffle Sponsorship + Foursome - \$2100

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Mini Putt Sponsorship + Foursome - \$2100

Lunch Sponsorship + Foursome - \$2100

Breakfast Sponsorship + Foursome - \$2500

March Meeting

Tech Session: Mass Save 2025-2027 Three Year Plan

Presented by: Ryan Willingham (Eversource) and Josh Kessler (National Grid)

Mass Save has filed for its most ambitious Energy Efficiency and Decarbonization plan yet, with nearly \$5 Billion allocated over the three year period from 2025 through 2027. This plan aims to help the Commonwealth reach its 2030 climate goals for the building sector and help ensure that all eligible residents and businesses benefit from the Mass Save programs. Over the next 3 years, Mass Save will be offering significant technical assistance for customers to identify decarbonization opportunities and develop plans to implement them. Mass Save will dramatically increase the volume of facility assessments, decarbonization plans, and existing building commissioning efforts that they engage with their customers. Join both ASHRAE Boston and AEE New England to be informed on the new plan and how you might participate.

Ryan is a Senior Energy Efficiency Consultant at Eversource where he serves as co-chair of the C&I Management Committee, shaping the Mass Save energy efficiency and decarbonization programs. Ryan has helped develop programs aimed at transforming markets in both new and existing buildings. With a background in mechanical engineering, Ryan has over a decade of experience working with commercial customers, policymakers, designers, and implementation vendors in the New England region.



Ryan Willingham

Main Presentation: Framingham Geothermal Pilot

Presented by: Eric Bosworth (Eversource) and Tim Ashmore (CDM Smith)

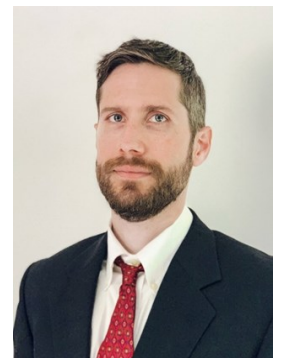
Eversource's Framingham Geothermal Pilot Project has entered its first winter season, marking a significant step toward decarbonized residential heating and cooling solutions. The project connects 37 homes and businesses to a shared underground geothermal loop, allowing for efficient heating and cooling through individual heat pump units. Participants anticipate lower energy costs and the addition of home cooling, with projected electric bill reductions of 20% on average. The system's energy-sharing model optimizes efficiency, particularly when heating and cooling demands vary across different buildings. This initiative aligns with Massachusetts' decarbonization goals and serves as a model for broader implementation. While the project demonstrates promise in reducing reliance on natural gas and lowering emissions, concerns remain about ensuring equitable access to such technology. Eversource views this pilot as a foundation for expanding geothermal solutions statewide, contributing to both climate goals and long-term energy sustainability.



Tim Ashmore

Tim is a Principal and Client Service Leader at CDM Smith with more than 15 years in project development, design, and construction. He leads CDM Smith's industrial renewable energy strategy, including development and growth of CDM Smith's thermal energy network business. Under Tim's leadership, CDM Smith completed two geothermal network designs for Eversource and National Grid in Massachusetts and is advancing projects in other states as well. Before transitioning to the energy transition market, Tim built a diverse career as a project executive in remediation and civil construction, a journalist, and a commercial salmon fisherman.

Eric is a Manager in the Clean Technologies business unit of Eversource Gas. He acts as a technical SME and is responsible for the implementation of decarbonization projects within the Eversource gas portfolio. As part of his role, Eric oversees the planning, design, and construction of networked geothermal pilots. He is responsible for managing the day-to-day progress, timeline, budget and operations of systems once commissioned.



Eric Bosworth



Earth Day Cleanup



Join ASHRAE Boston for the Charles River Earth Day Cleanup!

Spring is right around the corner, and what better way to welcome the season than by giving back to our local environment? ASHRAE Boston is excited to take part in the Charles River Earth Day Cleanup on **Saturday, April 26**. This annual event is one of the largest river cleanups in the country, bringing together a few hundred ambitious volunteers to help restore the health and beauty of the Charles River. WE NEED YOU TO JOIN IN. There is no event fee, and all cleanup materials will be provided.

Event Details:

Date: Saturday, April 26, 2024

Time: 10:00 AM – 12:00 PM (cleanup), followed by a cookout

Meeting Location: Community Rowing -20 Nonantum Road Brighton (Boston) near the Newton line. There is free parking there.

Who Can Join? ASHRAE members, colleagues, friends, and family!



WE WANT YOU!

Register Here: <https://ashraeboston.org/meetinginfo.php>

After our two-hour cleanup, Eric Edman (BR+A) has generously offered to host a cookout to celebrate our efforts. His grilling is legendary! This is a great opportunity to connect with fellow ASHRAE members, enjoy some good food, and reflect on the positive impact we've made. Please advise if you have any food allergies or special requests so we can plan accordingly.

This event is part of ASHRAE Boston's commitment to sustainability and community engagement, and we'd love to have as many volunteers as possible. Friends and partners are welcome to join! If you have any questions, please reach out to Matthew Halley at c001sus@ashrae.net.

ASHRAE Conference Recap - Orlando

ASHRAE Boston had a great time at the ASHRAE Winter Conference in Orlando, Florida, last month. Aaron Sorrell (Federal Research Bank of Boston) and Daniel Kolimar (NV5) led a technical session about the Practical Progression and Implementation to Decarbonization, including how digital twins can aid in the decarbonization process.



Envirotech Hospitality Suite at Sea World

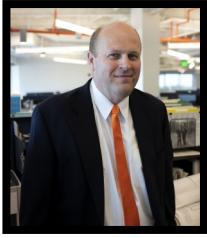


Daniel Kolimar (left), Arizona Oxendine (center), Aaron Sorrell (right)



Historical Special Feature

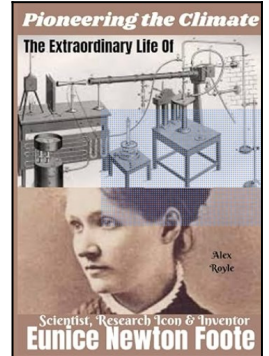
Eric Edman—Historical Committee Member



If you did not know.... The month of March is a celebration of Women’s history. We are pleased to help recognize all the contributions made to the advances of the arts and sciences made by women. I am also very proud to say Boston ASHRAE has supported women in engineering for many, many years- even before it was a buzz word. Many others- as well as other ASHRAE chapters; take note and look at what we do here in Boston. We are the bench in benchmarking.

Eric Edman The inspiration for this month’s article came to me in an interesting way. During our November meeting, I accepted an award (on behalf of BR+A) from ASHRAE. Those organizations which support ASHRAE Research and Promotion receive a special recognition coin as a Thank You from Society. This year, the special recognition coin happened to honor a woman! The honor was bestowed upon Eunice Newton Foote (1819-1888). Eunice was an American woman scientist, an inventor, and a champion for women’s rights.

She was the first scientist to validate that specific gases absorb heat when exposed to sunlight. She demonstrated how elevated levels of carbon dioxide could raise atmospheric temperatures, consequently, impacting the earth’s climate. This phenomenon is commonly known as the greenhouse gas effect. She conducted this research, and documented this- about three years before another person (a man) was credited with this. Because she was a female, her scientific documentation was never entered into published science in her name. This has since been corrected in scientific circles.



Clipping from Scientific American article July

APS NEWS | THIS MONTH IN PHYSICS HISTORY
August 1856: Eunice Foote Concludes That Carbon Dioxide Could Warm the Atmosphere, Three Years Before John Tyndall Did

Well over a century later, female historians rediscovered Foote’s work — and were themselves overshadowed.

By Tess Joosse
July 12, 2023

Clipping from APS News July 2023.

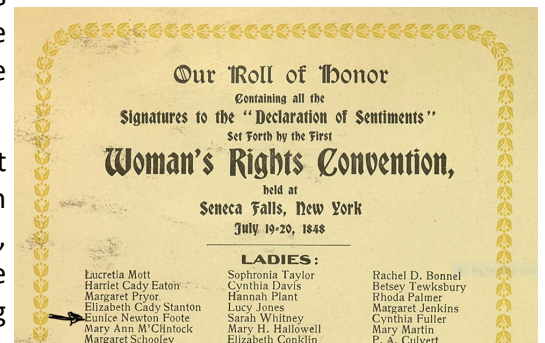
We wanted to bring another historically significant item to your attention.

In July of 1848, at the Woman’s Rights Convention, the “Declaration of Sentiments” was published. This document is what many consider the pivotal event that pushed the women’s rights movement forward. The “Declaration of Sentiments” was set forth by the convention members in Seneca falls, NY, and many consider it to be equivalent to the Declaration of Independence. Guess who was one of the signers of the document? Well, you guessed it- our woman of the month -Eunice.

It was very interesting for me to research this story and explore a bit about Eunice. It is an honor to share this little bit of our past American History with all of you. As another interesting point of information, Eunice’s middle name is “Newton”, which is unusual for a female. She is related to Sir Isaac Newton who was the one hit by that falling apple.....We suppose the gravity of this can be a future story.

I do hope that one day, when I get to the great hall of engineers in heaven, I can meet some of these women.

Hope to see you at the next monthly meeting. ASHRAE is more fun with a friend. Bring one with you at the next meeting. -Eric



Copy of the cover page of the Declaration of Sentiments. 1848.

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>982</u>	<u>1100</u>	<u>515</u>	<u>350</u>	<u>242</u>	<u>1010</u>	<u>3000</u>	<u>800</u>	<u>360</u>	<u>1650</u>



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Attention All Students!

Final Call: ASHRAE Local Scholarship Deadline Approaching – Don’t Miss Out!

The deadline to apply for ASHRAE’s local scholarship is fast approaching! If you’re a high school senior or a first- or second-year college student pursuing an engineering degree, this is your chance to secure \$3,000 in financial support. Some scholarships go unawarded simply because students don’t apply.

Apply Before It’s Too Late!

Visit [ASHRAE Boston Scholarship Information](#) for eligibility details and application instructions.

Need help with your application? Contact Ali Rifai at ali.rifai@siemens.com for guidance.

Don’t miss this opportunity—apply today and take the next step toward your engineering career!



A Note From Your Chapter Historian

Kevin Doty—Historian

I recently visited the historical archives room located in BR+A's office:



Eric Edman has been incredibly organized with our chapter's archives throughout the years. The list on the wall contains a record of all documents & items with a reference to the box number it is stored in. As time goes on, we accumulate more "stuff", which causes the room to "get smaller". I came across many items including old estimating guidebooks, drafting tools, awards, plaques, ribbons, banners, financial statements, receipts, newsletters, and photos. Paper documents such as newsletters and financial statements and receipts can be digitized, but the challenge is the time/cost vs the "gain". We are exploring ways to efficiently digitize paper documents in the future, while keeping our footprint under control. Boston ASHRAE members are more than welcome to visit the historical archives. Please reach out if interested!

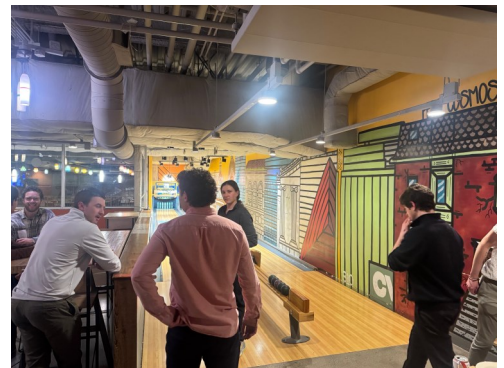


YEA Update

Matt Hallock—YEA Committee Chair



Thank you all who came out to American Flatbread this past Wednesday. This event was well attended and people had a great time, playing candlepin bowling, eating some pizza and having a few drinks. It is always great to get like minded people together in the industry. As we make our way through this ASHRAE year, I would like to extend an invitation to anyone that would like to help out in planning the FUN events. If you have any questions or comments please reach out to Matt @ mhallock@apav.com.



Battle Rankings

Membership Battle Update - These employers have had the most new members join since September 10th.

The graphic features a large gold medal with the number '1' on a red ribbon, positioned next to a box containing the Trellis Air logo and the word 'FIRST'. Below this, a larger box lists the logos of other participating employers: RIMKUS, ips, MIT Massachusetts Institute of Technology, PASCAL, Weston & Sampson, and BRA. At the bottom of the graphic is the ASHRAE logo with the tagline 'Shaping Tomorrow's Built Environment Today'.



Professional Development Update

Kevin Doty—Professional Development Committee Chair

Are you an employer wondering if ASHRAE certification is worth the investment? Are you an employee looking to get ahead? Which certifications will benefit me the most? What are others saying about it?

The ASHRAE Professional Development [webpage](#) contains the answers to these questions and more. It is a wonderful resource containing everything from certification descriptions, to survey responses from current certificate holders, to templates you can use when asking your employer/sponsor to cover costs. The deadline to benefit from the 25% discount is March 31st, so the time to act is now. I'd like to highlight the Certified Decarbonization Professional (CDP) certificate. Is decarbonization important? Most of us live and/or work in Massachusetts...you tell me! Are you already an expert in this space or would you benefit from additional decarb training & certification? Time to consider the ASHRAE Certified Decarbonization Professional certificate! Please reach out with any questions!

Welcome New Boston Members

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

- Laura Dyas
- Deirdre Kelly
- Colin Turybury
- John Benham
- Ming Yan
- Shundong Li
- Morgan Bresnahan
- Andrew Poutry
- Rogerio Martins
- Stephanie Gjanci
- Will Belke
- Scott Davidson
- Sorin Grama
- James Roberts
- Vipul Singh
- Matthew LaPorte
- Joseph Soldato

Thank you to our 2025 sponsors. Our corporate sponsorship program helps the chapter meet their research & promotion goals and supports chapter activities.

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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 23	SPIN Boston	YEA Event
November 12	DoubleTree Cambridge, MA	Women in Engineering
December 10	Embassy Suites Waltham, MA	IRA for Thermal Storage and Decarbonization
January 14	DoubleTree Cambridge, MA	Building Controls
February 4	Embassy Suites Waltham, MA	Thermal Energy Recovery
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 ASHRAE](#)



[Twitter](#)



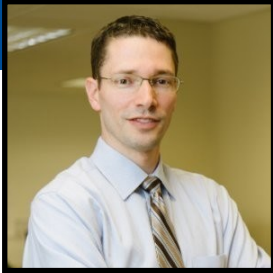
Boston Monthly

YEA Events

Joint Meetings

Special Events

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Become a chair or committee member today! Please contact Chapter President at president@ashraeboston.org if you are interested!