



NorthEastAire

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January Meeting

Tuesday January 9, 2023

Meeting Topic:

Energy Policy from an Engineering Perspective

Dr. Daniel Nall

Tech Session:

No Tech Session this Month

Where:

DoubleTree Cambridge
400 Soldiers Field Rd
Boston, MA 02134

Time:

5:30-6:30 Networking

6:30-7:00 Plated Dinner

7:00-8:00 Main Meeting

Cost:

Members—\$50

Non Members—\$60

ASHRAE Student Members with RSVP—Free

Register: ashraeboston.org



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president@ashraeboston.org



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BOSTON CHAPTER OFFICERS 2023-2024



President's Message



President
Will Fisher
FIA, Inc

I hope you all enjoyed a wonderful Christmas and are starting the New Year with high spirits! As we step into 2024, we are excited to invite you to our first meeting of the year.

Mark your calendars for January 9th as we gather at the Cambridge DoubleTree. We're excited to have Dan Nall with us, presenting "Energy Policy from an Engineering Perspective." As we all know, energy policy is a key factor in our work as HVAC engineers, influencing everything from system design and compliance to innovation and global environmental impact.

Reflecting on December, we had the pleasure of being hosted by ASPE at the Embassy Suites Waltham. The highlight of the evening was Dr. Ethan Becker from The Speech Improvement Company, who shared invaluable insights on communication skill-building. His talk focused on forging connections with architects, developers, and owners, demonstrating your value, and nurturing relationships that streamline business processes. Dr. Becker's expertise shone through as he covered strategies for handling challenging scenarios such as change orders, owner requests, and the art of self-presentation during interviews.

We are always looking to grow our team. If you're interested in contributing, please feel free to reach out to any of our board members listed in our newsletter or directly to me. Volunteering with ASHRAE is not just about giving back to our industry; it's a chance to connect and network with peers, enhancing personal and professional growth.

Your ongoing support for ASHRAE and the ASHRAE Boston Chapter is immensely appreciated. We are enthusiastic about the year ahead and look forward to seeing you at our events.

Will Fisher
ASHRAE Boston Chapter President 2023-2024



Student Activities Update

Happy New Year and New Semester to our student members and student branch advisors! Please remember that the **application for our annual Cheryl Rossini Future Engineers Scholarship is live on our website!** The scholarship application deadline this year is **February 15, 2023!**

You can also visit the society scholarship page for the same information and other scholarships awarded by other branches of ASHRAE. Please contact us with any questions.

Noah Stevens c001sa@ashrae.net

Grace White c001sa@ashrae.net

The Cheryl Rossini Future Engineers Scholarship is named in fond memory of Cheryl Rossini, a fixture in the Boston Chapter who held many positions, including chapter president, and was the student activities chair for the ASHRAE Boston Chapter for over 10 years. Please visit the [ASHRAE Boston Chapter website](#) for more details.

January Meeting

Energy Policy from an Engineering Perspective

The “energy problem” is not a single problem but is an interconnected web of problems that have significant impact on the global environment and on the global economy. It actually can be evaluated as a set of disconnects between societal needs and the current energy infrastructure for meeting those needs. Currently proposed solutions to the perceived energy problems of today’s global community too often focus on specific technologies and address only a small portion of the overall problem. The tendency to “silo-ize” these issues tends to produce revolutionary solutions to minor problems and to foster neglect of larger issues. The approach described in this presentation attempts to deconstruct the “energy problem” into component parts to facilitate evaluation of proposed solutions and technologies in the larger context.



Dr. Daniel Nall

Daniel Nall, PE, FAIA, FASHRAE, Daniel Nall Consultant LLC

Mr. Nall is a professional engineer, a registered architect, an ASHRAE and an AIA Fellow, a LEED Fellow, an ASHRAE Certified Building Energy Modeling Professional, a certified High Performance Building Design Professional and a Certified Passive House Consultant. He is a member of the ASHRAE -AIA Liaison Committee, the Advanced Energy Design Guide Steering Committee, ASHRAE SPC240P, Evaluating Greenhouse Gas (GHG) and Carbon Emissions in Building Design, Construction and Operation and is a member of the 2024 International Energy Conservation Code Commercial Consensus Committee. He was a member of the 2021-2022 ASHRAE Task Force for Building Decarbonization, the ASHRAE Vision 2030 Presidential Ad-Hoc Committee, was Chair of ASHRAE Standards Project Committee 227P, the Passive Building Design Standard, and was a member of the Commercial Buildings Working Group of the New York City Local Law 97 (Building Carbon Emissions Limitation) Advisory Group.

Mr. Nall has been involved in building energy efficiency and HVAC engineering for 45 years. He has been a faculty member at the Schools of Architecture at the University of Pennsylvania, Princeton University, Cornell University and Columbia University. He is the author of numerous papers in professional and technical journals. He has also presented at numerous USGBC, AIA and ASHRAE national conferences and conventions, and at international events in Spain, Italy, Brazil, Argentina, UAE, India, and Indonesia. His areas of expertise include underfloor air distribution, thermally active floors, thermal storage, central plant design, energy recovery and building electrification.

Projects for which he has had a substantive engineering design contribution include 270 Park Avenue (the J.P. Morgan Chase Headquarters), the BlackRock Headquarters at 55 Hudson Yards, 200 West Street (Goldman Sachs Headquarters), the New York Times Headquarters, the Hearst Tower all in NYC, the William J. Clinton Presidential Center, the University of Virginia Albert and Shirley Small Special Collections Library, the Delaware State Archives, the Alcoa Headquarters in Pittsburgh, the Banco Macro Headquarters in Buenos Aires and the U.S. Embassies in Sofia, Bulgaria, Cape Town, South Africa, and Kathmandu, Nepal.

Welcome New ASHRAE Boston Members

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

- Robert Parker
- Dan Mongeau
- Robert Connors
- Nickolas Roberts
- Chris Kennedy
- Daniel Ryan
- Joshua Bidwell
- Andrew Mulveyhill
- Phil Gagnon
- Justin Feldman
- Erika Yao
- Samuel Russell
- Andrea Schreck
- Anthony Buschur
- Jason Rubitsky
- Alec Eng
- Matthew Gialdo
- Razina Ahmed
- Sebastian Ortiz

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:
Eric Edman
eedman@brplusa.com
W 617-925-8325
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, if you have questions or want to purchase an employment ad.

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>1049</u>	<u>1300</u>	<u>705</u>	<u>20</u>	<u>75</u>	<u>460</u>	<u>400</u>	<u>200</u>	<u>0</u>	<u>1100</u>

Historical News

Eric Edman—Chapter Historian



Eric Edman

I could bore you all with graphs, charts and other sorts of things. I won't do that. To date, the chapter has maintained PAR, and exceeded PAR with regards to our Presidential Award of Excellence (PAOE) point system that compares our chapter versus other chapters in all sorts of categories -history being a small but special one.

If any of you are interested and are headed to Chicago for the winter meeting- please let us know. There are free things we can share with you, and/or your family while at a winter meeting.

ASHRAE Certification

NEW! 25% Application Discount

Apply by Jan. 31

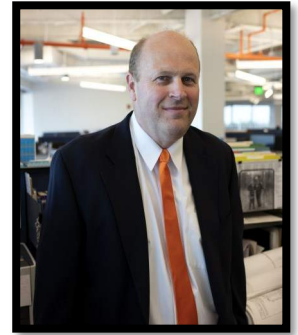
Exciting news! **Through Jan. 31**, applicants may use the discount code **NEWYEAR2024** to receive a **25% discount** on application for any of ASHRAE's six (6) building design or building performance certifications.

Apply **by Jan. 31** using the Discount Code: **NEWYEAR2024**



History Special Feature

By: Eric Edman - BR+A



Eric Edman
Historian

As history goes, there are lots of things to write about. Some are seriously significant items that have changed world history. This month, I wanted to take a step back to just one of these major events. Nothing probably affects all of us as deeply as energy.

I still have my 1984 Mass. state building code. It was the 4th edition and it referenced the Energy Code. My boss at the time always referred to it as the “energy code”, and it fundamentally made us think about energy. The state code referenced ASHRAE Standard 90-75. I liked the simplicity of 90-75. It allowed people a detailed way to calculate things and also a prescriptive path in chart form for simple people to use for compliance.

The insulation requirements of 90-75 were probably most often used by architects and builders- as well as engineers. I became the in-office guru of the energy code.

Development of Standard 90 began in the aftermath of the 1970s energy crisis. The first crisis was 1973, with the second in 1979. I’m certain some of you remember the dark days waiting in line to purchase gasoline. For the first time, our country had to seriously look at energy consumption. Next to automobiles, the biggest users of energy are buildings.



Standard 90-1975

ASHRAE president Robert R. Kirkwood made the ASHRAE theme of 1973 "Optimum Energy Utilization Through Technology". At ASHRAE's winter meeting in Los Angeles in February 1974, the National Bureau of Standards presented their early developments of a building energy standard to all the ASHRAE meeting participants. NBS and the National Conference of States on Building Codes and Standards offered to turn development of the standard over to ASHRAE. ASHRAE accepted the challenges knowing what this meant for the country.

The development of the proposed standard, Standard 90P, was completed in less than six months. ASHRAE enlisted representatives from the American Institute of Architects (AIA), Illuminating Engineering Society (IES), Mechanical Contractors Association of America (MCAA), Air Conditioning and Refrigeration Institute (ARI), and the Electrical Energy Association (EEA). A draft of the standard was issued on June 21, 1974, to over 5,000 industry stakeholders for public review. Comments were received, revisions were made, and the initial version was issued as ASHRAE Standard 90-1975 on January 14, 1975. Since 1975, ASHRAE 90 has evolved and been updated to follow technological developments.

Many states -including Massachusetts, apply ASHRAE 90 to buildings being constructed or undergoing renovations. Most states apply the standard or equivalent standards for all commercial buildings. Others apply the standard or equivalent standards for all

government buildings. There are some states that use other energy conservation standards for all commercial buildings and some other states that use a combination of the ASHRAE 90 standard for all government buildings and use other energy conservation standards for their commercial buildings.

Current status of adoption into energy codes is tracked. Enforcement has targeted the more populated states. As of September 2020, 7 states have codes which meet or exceed ASHRAE Standard 90.1-2016; 14 states have codes which meet or exceed ASHRAE Standard 90.1-2013; 8 states have codes which meet or exceed ASHRAE Standard 90.1-2010; 9 states have codes which meet or exceed ASHRAE Standard 90.1-2007, and 8 states have either no statewide code or a code which precedes 90.1-2004. While you may think this is bad, the larger cities in those less populated states (like Wyoming) have local energy codes to fill the gaps.

So, the next time you think about energy, you may care to know that our society thru history has touched the lives of everyone in their use of energy as efficiently as possible at this moment in our current history. I was told when I joined ASHRAE 40 years ago that it was a wonderful organization that stood out to make a difference in this world. After 40 years of active membership, I am quite pleased to know I have been a cog in that wheel of progress. I am sure many of you share the same feelings.

Health, happiness, and prosperity to all of you in 2024.

We certainly look forward to seeing you at our next chapter meeting.

Eric

SAVE THE DATE

58th Annual Golf Outing at Pinehills Golf Club on May 13th

I hope everyone had a good holiday season and a Happy New Year. Now that we are back into the swing of things, I wanted to make sure everyone takes the time now to **sign up for the ASHRAE yearly sponsorships to secure your benefits at the ASHRAE golf tournament at Pine Hills this year.**

The Annual Gold Outing is back and bigger than ever. **The gold and silver sponsors are now guaranteed one sign up a week before registration, and Platinum sponsors is guaranteed 2 sign ups the week before registration.** If these registrations are not taken, they will be given to the rest of the members upon open registration time.

As always, we appreciate the support from all the companies with these sponsorships as they go to bigger and better things than just saving a spot in the yearly golf tournament.

Since this tournament has doubled in size, we are always looking for volunteers to help out on the day of the tournament to help things go smoother. If you cannot attend and your company wants to donate a raffle prize, please reach out to me for coordination of supplying a prize. We look forward to seeing as many of you as possible at this tournament on Monday, May 13th at Pinehills Golf Club in Plymouth.

Please contact me at mhallock@apav.com if you have any questions.

Thanks, Matt



Government Affairs Committee Update

Massachusetts DPU Completes Investigation into Future Role of Commonwealth's Gas Distribution Companies

The DPU noted that it and the gas distribution companies can encourage electrified and decarbonized heating technologies, such as expanding Mass Save energy efficiency programs that facilitate heat pump adoption. The Department rejected the suggestion that natural gas procurement policies ought to be changed to support renewable natural gas (RNG), finding too many uncertainties with respect to RNG's costs, availability, and carbon intensity. On the other hand, the DPU viewed networked geothermal projects as those with the greatest potential to reduce greenhouse gas emissions in the heating section. National Law Review. 12/19/23

Healey-Driscoll Administration Announces Next Phase of Green Communities Program

Climate Leader Communities Program Will Help Cities and Towns Decarbonize and Meet Local Emission Reduction Goals

To become a Climate Leader Community, municipalities must meet certification requirements that include adoption of a zero-emission-first vehicle policy, adoption the Specialized Opt-In Building Code, and a commitment to eliminate the use of on-site fossil fuel in municipal buildings and fleets by 2050. MA Department of Energy Resources. 11/30/23

Did you know that eLearning is one of easiest ways to complete your PDHs your professional license and certification renewals?

A promotional graphic for ASHRAE eLearning. It features a blue background with a white laptop and an open book in the foreground. Various icons representing education, technology, and learning are scattered around the laptop. The text "Enjoy 20% Discount" is prominently displayed at the top. Below it, a list of benefits is provided: "Virtual courses at your fingertips", "Education on your own schedule", "Earn PDHs", and "Group discounts". The ASHRAE logo is in the bottom right corner. At the bottom of the graphic, it says "ASHRAE has new and updated courses for you!".

Enjoy 20% Discount

- Virtual courses at your fingertips
- Education on your own schedule
- Earn PDHs
- Group discounts

ASHRAE

ASHRAE has new and updated courses for you!

We are extending our **20% discount** until December 31, 2023. Enter the code **Dec2023** to enjoy this discount on ANY [eLearning course offering](#), including individual courses, course packages, and libraries.

ASHRAE offers over 90 courses to choose from the catalog available to you 24/7. Most of the course are **accredited by AIA and GBCI**.

Don't miss out on the opportunity to get some of our recently updated courses at a discounted price!

[Fundamentals: HVAC Systems 20 PDHs](#)

[DDC Controls \(I-P\) 5.5 PDHs](#)

[AC and Refrigeration Principles \(I-P\) 4.5 PDHs](#)

[Energy Conservation and Efficiency in Buildings](#)

[Achieving Zero-Energy Building Design](#)

[Commissioning 4.0 PDHs](#)

Battle Rankings

Membership Battle Update - These employers have had the most new members join since September 12th.

XOVIS

FIRST



Battle ends May 1, 2024!



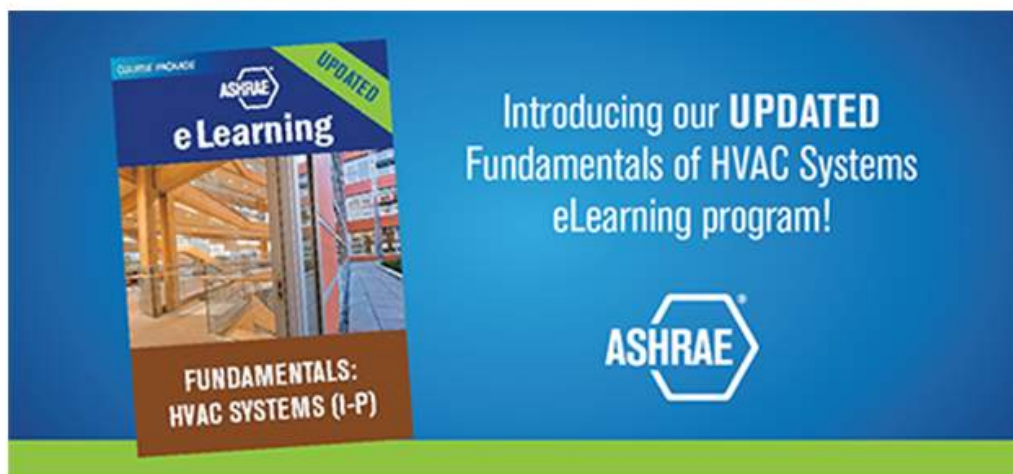
T-SECOND

BATTLE RULES:

When: September 12, 2023 - May 1, 2024

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 May meeting, (2) Red Sox tickets, and potential bonus prizes.



From now until **January 31, 2024**, enjoy a **20% discount** on **ANY eLearning course offering**, including individual courses, course packages, and libraries. Use code **Jan2024** during checkout to unlock this incredible discount before the month ends.

But wait, there's more! This month marks the final opportunity to benefit from our remarkable 30% group discount! Enroll more than 10 individuals in the most popular Fundamentals of HVAC Systems (applicable to both IP and SI) and avail yourself of this exceptional offer. Time is ticking, so don't miss out! \

ASHRAE offers over 90 courses to choose from. Most of the courses are accredited by AIA and GBCI.

ASHRAE Boston & StarChapter Partnership Announcement

We're thrilled to announce that ASHRAE Boston is now collaborating with StarChapter, a leading cloud-based association management software. This partnership aims to streamline our operations and enhance member engagement. Explore our newly revamped website!

www.ASHRAEboston.org

Key Benefits of StarChapter:

1. **Automated Membership Management:** Simplify tasks like tracking renewals, collecting dues, and sending reminders.
2. **Event Management:** Efficiently plan, promote, and manage events for better organization and success.
3. **Website Management:** Enhance our online presence with easy-to-use website design tools.
4. **Payment Processing:** Facilitate seamless payments for dues, event registrations, and more.
5. **Insightful Reporting:** Access analytics on membership, events, and website traffic for informed decision-making.

Thank You to our 2023 Corporate Sponsors!



SPONSORSHIP OPPORTUNITIES 2024 (January 1—December 31, 2024)

PLATINUM SPONSOR - \$5000 (max. available: 1)

- Donation of \$3000 in your company name to ASHRAE Research - Boston Chapter Endowment
- Company logo with a link to company website displayed on ASHRAE Boston Chapter website
- Signage in main presentation hall at all monthly chapter meetings
- Verbal Acknowledgment as Platinum sponsor at all monthly chapter meetings
- Complimentary inclusion in the Boston Chapter Product Guide (\$250 value)
- Company logo and acknowledgment as Platinum sponsor in Boston Chapter Product Guide
- Company logo and acknowledgment as Platinum sponsor on our social media platforms (LinkedIn, Twitter, Facebook)
- Two (2) Monthly Job Posting Packages (newsletter, website, social media and Society job board)
- Two (2) Reserved foursomes at annual ASHRAE Boston Chapter Golf Outing*
*Cost of foursomes is not included and you must pay for foursomes within 1 week of open registration
- Complimentary hole sponsor sign at the annual ASHRAE Boston Chapter Golf Outing
- 2nd complimentary hole sponsor sign - on a "contest" hole - at the annual ASHRAE Boston Chapter Golf Outing
- Four (4) complimentary tickets to the Sponsor Appreciation Night

GOLD SPONSOR - \$3000 (max. available: 7)

- Donation of \$2000 in your company name to ASHRAE Research - Boston Chapter Endowment
- Company logo with a link to company website displayed on ASHRAE Boston Chapter website
- Signage in main presentation hall at all monthly chapter meetings
- Complimentary inclusion in the Boston Chapter Product Guide (\$250 value)
- Company logo and acknowledgment as Gold sponsor in Boston Chapter Product Guide
- Company logo and acknowledgment as Gold sponsor on our social media platforms (LinkedIn, Twitter, Facebook)
- One (1) Monthly Job Posting Packages (newsletter, website, social media and Society job board)
- One (1) Reserved foursome at annual ASHRAE Boston Chapter Golf Outing*
*Cost of foursome is not included and you must pay for foursome within 1 week of open registration
- Complimentary hole sponsor sign at the annual ASHRAE Boston Chapter Golf Outing
- Two (2) complimentary tickets to the Sponsor Appreciation Night

SILVER SPONSOR - \$2000 (max. available: 15)

- Donation of \$1000 in your company name to ASHRAE Research - Boston Chapter Endowment
- Company logo with a link to company website displayed on ASHRAE Boston Chapter website
- Signage in main presentation hall at all monthly chapter meetings
- Complimentary inclusion in the Boston Chapter Product Guide (\$250 value)
- Company logo and acknowledgment as Silver sponsor in Boston Chapter Product Guide
- Company logo and acknowledgment as Silver sponsor on our social media platforms (LinkedIn, Twitter, Facebook)
- Complimentary hole sponsor sign at the annual ASHRAE Boston Chapter Golf Outing
- One (1) complimentary ticket to the Sponsor Appreciation Night
- One (1) Reserved foursome at annual ASHRAE Boston Chapter Golf Outing
*Cost of foursome is not included and you must pay for foursome within 1 week of open registration

COMPANY NAME		
CONTACT NAME		
CONTACT E-MAIL		
COMPANY MAILING ADDRESS		
CITY	STATE	ZIP

- SPONSORSHIP LEVEL**
Please check one
- PLATINUM \$5000
- GOLD \$3000
- SILVER \$2000

PAYMENT METHODS

- Please mail the completed form and check made payable to ASHRAE Boston
Mailing Address: Catie Ball -Trane 181 Ballardvale Street, Suite 201, Wilmington, MA 01887

SPONSORSHIP CHECKLIST—Please email the following to bob.persechini@nv5.com when you register to become a sponsor

- Company ad in high-resolution ESP or JPG format to be place in the Product Guide
- Company logo in high-resolution ESP or JPG format for signage, newsletter and website
- Your payment method

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	
March 13	DoubleTree Cambridge, MA	Joint Meeting w/ AEE
April 9	Quincy Marriott Quincy, MA	Product Show
May 13	Pine Hills Plymouth, MA	ASHRAE Golf Outing
June 11	TBD	Installation Of Officers

Boston Monthly

YEA Events

Joint Meetings

Special Events

[Boston ASHRAE Facebook](#)



[Boston ASHRAE](#)



[Twitter](#)



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

