

Special points of interest:

- October's Zero Net Energy meeting recap and where to find more ZNE talk
- November meeting details and 2019 corporate sponsorship appreciation night
- 2020 Corporate Sponsorship Opportunities
- Calendar Updates

Message From The President

On behalf of the ASHRAE Boston Chapter Board, I would like to thank all the members who attended last month's meeting. We had a tremendous turnout of nearly 100 people for our main presentation on Zero Net Energy presented by Jacob Knowles, and almost 50 people who attended the technical session on the Massachusetts Energy Incentive Programs presented by Heather Merhi-Mathews and Paul Ormond. A special thanks to Jacob, Heather and Paul for volunteering their time to speak to the ASHRAE Boston Chapter!



Mark Leonard
ASHRAE Boston
Chapter President

With the October meeting in the books, we are looking forward to the November chapter meeting on Tuesday November

19th at Metro Meeting Center in Boston. The main presentation topic will be on Design Trends in Cogeneration presented by Mark Ehrenzeller and Chuck Cyr from Frank I. Rounds Company. The technical presentation topic will be on Decreasing Internal Loads presented by Christopher Wilkins with PM Group. For more information, please visit the ASHRAE Boston Chapter website and follow us on social media. As always, we appreciate your feedback. Please email me at c001@ashrae.net or contact any of the volunteers with questions, concerns, or suggestions to help improve our Chapter. Looking forward to seeing everyone at the November meeting!

Thank you,
Mark Leonard

Meeting Info

What?

Design Trends in Cogeneration

When?

Tuesday November 19th

Where?

Metro Meeting Center
101 Federal Street, Boston

[CLICK HERE](#)
To Register!

[More info on page 2](#)



November Meeting - Tuesday November 19th

Agenda
 5:30—6:30 Networking
 5:30—6:15 Tech Session (1 PDH)
 6:30—7:00 Social / Registration / Dinner
 7:00—8:00 Main Presentation (1 PDH)

Main Session: Design Trends in Cogeneration (1 PDH) Mark Ehrenzeller and Chuck Cyr will explore different methods of designing a combined heat and power system that can be used to offset a plant's existing utility costs. Using real life examples and case studies, this presentation will dig into the why's and how's of cogeneration. Attendees will learn more about:

- Electric generation
- Heat output
- The impact on return on investment and payback

Presenters: **Mark Ehrenzeller** is President of the Frank I. Rounds Company located in Randolph, MA. He has been with the Rounds Company since 1995, and has been an active member of ASHRAE for nearly 20 years. He has received extensive training in combustion, hot water and steam systems, boiler plant efficiency, applications, misapplications, flue sizing, codes, and more. Mark received a BA from Boston College in 1995 with a focus on business communications. His early years as a salesperson in the heating industry led him to earn his Associates degree in mechanical engineering from Wentworth in 2004. To further his leadership skills in order to navigate a successful business climate in the 21st century, he went on to earn his Master's in Business Administration from Babson College in 2009. A father of three, he relishes his free time which is mostly spent skiing or hiking in Vermont with his family.

Chuck Cyr

Maine Maritime Academy – B.S. Degree Marine Engineering, 1981.
 United States Coast Guard – Chief Engineer Steam and Motor Vessels Unlimited Horsepower, 1990.
 Cleaver Brooks – Outside Applications Engineer, 2000 to present.

Tech Session: Trends in Internal Heat Gains (1PDH) Christopher Wilkins will present on the trends in internal heat gains (lights, plug loads, people) over the last 20 years and illustrate how the decrease in these loads has impacted design. Christopher Wilkins is Principal Project Manager at PM Group. He currently serves as Vice-Chair of ASHRAE's Research Administration Committee (RAC).

Notes To RSVP [CLICK HERE](#)
 Tech session and main presentation are approved for 1 PDH each

Location Metro Meeting Center
 101 Federal Street, 4th Floor
 Boston, MA, 02110

Parking Garage at Post Office Square—\$9 after 4:00 pm



Mark Ehrenzeller
 President Frank I. Rounds

The November meeting is our corporate sponsor appreciation night!
 Help us recognize and thank our 2019 corporate sponsors!

October Meeting Recap

We had such a fun night networking and learning at The Metro Meeting Center in Boston. Over 100 of our chapter members and individuals from the industry attended. The October 8th Chapter meeting and Tech Session was all about energy efficiency. The Tech Session with Heather Merhi Mathews and Paul Ormond discussed the Massachusetts Energy Incentive Programs. The main presentation given by Jacob Knowles showed the reality of Zero Net Energy for small through extra large buildings with all types of applications.

Great food! Great refreshments! Thanks to all who attended and we will see you next month.

Liz Desmarais
c001web@ashrae.net



EMPLOYMENT ADS FOR SALE!

Your employment ad could be here. No employment ads have been purchased for the November issue of NorthEastAire, we know there are companies looking for great employees. 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, Allison Bookstein, at northeastaire@gmail.com if you have questions or want to purchase an employment ad.

- [Boston ASHRAE Facebook](#) 
- [Boston ASHRAE Twitter](#) 
- [Boston ASHRAE LinkedIn](#) 



Presidential Award of Excellence

Boston Chapter - 2019-2020

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>1067</u>	<u>535</u>	<u>450</u>	<u>560</u>	<u>160</u>	<u>110</u>	<u>0</u>	<u>0</u>	<u>50</u>	<u>400</u>

Student Activities

By: Yuka Narisako

Thank you to those who attended the first of our two student nights at the October meeting. We are looking forward to our next student night in the spring!



Yuka Narisako
Student Activities Chair

At the October meeting we distributed a survey for our student members to complete regarding activities for the ASHRAE Boston Chapter to hold that will benefit its student members. The Board of Governors will convene and discuss what activities the chapter will conduct at the springtime Student Night.

Later this month, the scholarship applications for the ASHRAE Boston Chapter scholarship will go live! Please stay tuned to <https://www.ashrae.org/communities/student-zone/scholarships-and-grants/ashrae-chapter-local-scholarship-programs> for the Boston Chapter scholarship information.

Student branches should be expecting their annual student branch checks shortly. If you are a student branch advisor and have not yet received your check, please do not hesitate to email me!

Please contact me at c001sa@ashrae.net with questions.

Yuka Narisako

Did you know?

Did you know that there is a newsletter dedicated to student members and student activities? You can subscribe to the Student Newsletter [here](#). The Student Newsletter covers topics including design competitions, scholarships, student grants, and more.



Government Affairs

Massachusetts ranked #1 State, Boston Ranked #1 City

The American Council for an Energy-Efficient Economy (ACEEE) announced that Massachusetts ranked first in its 2019 State Energy Efficiency Scorecard. Boston also outranked all other U.S. cities in the City Energy Efficiency Scorecard. The annual scorecard benchmarks progress on efficiency policies and programs that save energy while benefiting the environment and promoting growth. <https://aceee.org/state-policy/scorecard>

14 Senators Send Letter to DOE Opposing Rollbacks to the Standards for Efficient Lightbulbs

On October 11, fourteen Democratic Senators led by Senators Ed Markey (MA-D) and Jeanne Shaheen (NH-D) sent a letter to Energy Secretary Rick Perry regarding the rollback of energy efficiency standards for lightbulbs. The letter says that "these rollbacks are indefensible, both in terms of their costs to consumers and their contravention of Congressional intent." The full letter and signatories can be viewed [here](#).

Will Fisher
c001gac@ashrae.net

IT'S BIG, IT'S BACK, IT'S GOING TO BE BETTER THAN EVER!

Product Show 2020

Amy Gebhardt

The Product & Energy Show 2020: Tuesday April 14, 2020

The officers and Board of Directors of the Boston ASHRAE Chapter are pleased to extend an invitation to your organization to participate and/or exhibit at the Biennial Product Show to be held at Lantana's in Randolph, MA on Tuesday April 14, 2020.

This show has always been well attended in the past, not only by the general ASHRAE membership, but also by others who work in this field, including Facility Engineers, Hospital Engineers, Building Owners, and Mechanical Contractors. The local Product & Energy Show targets a specific audience where you can talk to the customers who matter to you. Admission is free to all attendees.

Below are the specific details of the Product & Energy Show. Further details and how to register will be announced in the December 2019 NorthEastAire Newsletter.

DATE TUESDAY APRIL 14, 2020; 1:00 pm to 8:30 pm
Seminars 1:00 pm to 5:00 pm
Product Show 3:00 pm to 8:30 pm
Dinner 6:00 pm to 8:00 pm

LOCATION Lantana's
43 Scanlon Drive
Randolph, MA 02368

EXHIBITOR REGISTRATON

Prices for single, double, and triple booths will vary
Reservations will be on a first come, first served basis
Registration forms will be emailed to vendors in early January
If you have not exhibited at our show before, but would like to this year, please contact the show chairpersons to be placed on our permanent mailing list and have a blank reservation sent to you.

BOOTHS Single—8 feet wide x 6 feet deep
Double—16 feet wide x 6 feet deep
Triple—24 feet wide x 6 feet deep

- Draped booths will be set up prior to your arrival
- Tables will be available upon your advanced request
- Electricity is available upon your advanced request (no heavy electrical loads permitted)
- Water and drains are not available
- Internet connections are available at an additional charge

FOOD A complimentary buffet dinner will be available to all attendees and exhibitors of the show

SEMINARS ASHRAE has reserved the facility for the entire day. Rooms are available for seminars. Please contact ASHRAE if you are interested in providing a seminar. An outline of the seminar material will need to be submitted prior to approval. The seminars should be educational and not commercial in nature.

Thank you for your interest in the Boston ASHRAE Chapter Product Show.

Sincerely,

Product Show Committee

Amy Gebhardt c001bog1@ashrae.net

Schedule of Events

<https://www.linkedin.com/groups/5053857/>

Join and check the ASHRAE Boston Chapter LinkedIn page for the most up to date information!

Date & Time	Event	Location	Details
November 19, 2019	November Meeting	Metro Meeting Center Boston	Design Trends in Cogeneration and Trends in Internal Heat Gains
November 19, 2019	Technical Round Table: Zero Net Energy	35 Gatehouse Dr. Waltham, MA	Hosted by Astra Zeneca and AEENE (8:00 am to 12:00 pm details at bottom of page)
December 10, 2019	December Meeting	TBD	Combined Meeting with ASPE Boston Chapter
January 14, 2020	January Meeting	Embassy Suites Waltham	TBD
January 20—24, 2020	AEENE Certified Energy Manager Training	Siemens 150 Royall Street Canton, MA	Certified Energy Manager Training 8:00 am to 5:00 pm Monday through Friday
February 11, 2020	February Meeting	Metro Meeting Center Boston	Lessons Learned by Steve Tafone Membership Promotion & Student Activity Night
March 4, 2020	March Meeting	Embassy Suites 550 Winter St. Waltham	How and Why Customers Buy Energy Efficiency—with AEENE
April 14, 2020	ASHRAE Product Show	The Lantana Randolph, MA	ASHRAE Boston Chapter Biennial Product Show



ASHRAE
Boston Chapter

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Latest News & Events



Boston Monthly Meetings	ASHRAE Courses— Complete List
Boston Chapter Special Events	YEA Events
WiA Events	Other Societies Events

Interested in More Zero Net Energy?

Sad you missed the October meeting about Zero Net Energy? Or you liked it so much that you want to learn more about it? The Association of Energy Engineers of New England is hosting their annual technical round table deep dive into the details of designing and engineering net zero facilities. Hear from architects and engineers about how they design and build net zero facilities! What is the definition of net zero? There really isn't one answer.

The meeting is on November 19th from 8:00 am—12:00 pm at Astra Zeneca in Waltham. Sign up here, <http://aeenewengland.org/meet-reg1.php?mi=725061&id=96>

Historical News

By: Eric Edman - BR+A



Eric Edman
Historian

Something changed since the last time this newsletter rolled across your desk, or computer screen. It always happens. It is unfortunate.

The weather turned colder, and many of us are thinking about old man winter returning. You might only be thinking about this, and not actually doing anything to prepare. Yes, it's time to dig out the snowblowers, gloves, and winter coats and prepare for the snow plows taking over the entire road and the cold nights. Despite your best efforts to stop it from happening, winter is coming. I'd suggest you do some prep this year—or you could move to Florida.

We wanted you to just stop and think of what life was like for your great grandparents 100 years ago. Yes, 1919. Gosh—was HVAC invented?

Most homes were heated with wood fireplaces. As a kid, a great deal of your time was spent splitting wood. The lucky folks had coal fired furnaces -or how about a significant invention- a steam boiler! Someone had to shovel a heck of a lot of coal (and the ashes). The dirt and smell would be unbearable, but the alternative was the cold. Oil and Gas was coming of age, how exciting! Hunting for wood and the smell of coal was becoming a memory.

As you sit in your living room- and flip on the TV to watch the Patriots. As you reach in the refrigerator for a cold beer...STOP. Say thanks to engineers (like us) for making these creature comforts possible.

As I sit around the Thanksgiving table, I quietly thank Eversource for the gas, Weil McLain for my boiler, and Grundfos for my pump. All I have to do is adjust my thermostat to seek comfortable temperatures.

In case you wondered, I did split some of my own wood this year just to be able to say I did something.

As always, your historical committee is happy to hear from you. If you want to share something, please use the telephone on your desk before it goes away and call. We really do like to hear from you. Have a wonderful Thanksgiving.

P.S. Someone actually called me on this. It was a coastal installation. Can you guess what happened?

Thank you,
Eric Edman
c001his@ashrae.net



[Sign up here!](#)

Honors and Awards Committee

Please join with us in honoring our 2019 Corporate Sponsors at the monthly chapter meeting on November 19th at The Metro Meeting Center in Boston.

If you would like to be a sponsor for 2020 please refer to the following page outlining our sponsorship levels. As you will see there are limits on the quantity of sponsorships. We will update each newsletter with the number of remaining sponsorship opportunities. Returning sponsors will have priority over new sponsorships, so don't delay! We look forward to your attendance and consideration of being a corporate sponsor!

On behalf of the Boston Chapter, thank you!

Bob Persechini

c001ha@ashrae.net



THANK YOU to our 2019 corporate sponsors!



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SPONSORSHIPS (January 1—December 31, 2020)

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 Acknowledgement as Platinum sponsor at all monthly chapter meetings**
- Complimentary full-page ad in the Boston Chapter Roster & Product Guide
- Company logo and acknowledgement as Platinum sponsor in Boston Chapter & Product Guide
- Company logo and acknowledgement 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**

GOLD SPONSOR - \$3000 (max. available: 5)

- 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 full-page ad in the Boston Chapter Roster & Product Guide
- Company logo and acknowledgement as Gold sponsor in Boston Chapter & Product Guide
- Company logo and acknowledgement 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

SILVER SPONSOR - \$2000 (max. available: 10)

- 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 full-page ad in the Boston Chapter Roster & Product Guide
- Company logo and acknowledgement as Silver sponsor in Boston Chapter & Product Guide
- Company logo and acknowledgement as Silver sponsor on our social media platforms (LinkedIn, Twitter, Facebook)
- Complimentary hole sponsor sign at the annual ASHRAE Boston Chapter Golf Outing

COMMITMENT FORM

I would like to become a sponsor for the ASHRAE Boston Chapter!

COMPANY NAME		
NAME OF THE CONTACT		
CONTACT E-MAIL		
COMPANY MAILING ADDRESS		
CITY	STATE	ZIP
NATURE OF BUSINESS		
SIGNATURE		

SPONSORSHIP LEVEL

Please check one

- PLATINUM \$5000
- GOLD \$3000
- SILVER \$2000

PAYMENT METHODS

- PayPal – <http://ashraeboston.org/event-2697427> Check – please mail the completed form and check to:
- BR+A Consulting Engineers 10 Guest Street, 4th Floor Boston, MA 02135, ATTN: Chris Pietrocarlo

SPONSORSHIP CHECKLIST

- Please email the following to c001web@ashrae.net when you register to become a sponsor
- Sponsorship Commitment Form completed
- Company ad in high-resolution ESP or JPG format to be place in the Roster & Product Guide
- Company logo in high-resolution ESP or JPG format for signage, newsletter and website

Research Promotion Update



Dear ASHRAE Members,

As always, thank you for all your ongoing support of ASHRAE research. With your help, we are making progress towards our goal. We currently have \$2,700 saved towards our goal of \$27,300.

I would like to thank the individual members who have donated so far this year:

Eric M. Edman, Gregory W. Shenstone, PE, Allan E. Ames, Robert J. Persechini, Robert G. Andrews Jr, James E. Armstrong, John A. Iacopucci, Jeffrey Zajac, Majid Seghatoleslami, Lance Brown, Nick Roth, and William K. Tang.

You can help us reach our goals by donating online at www.ashrae.org/donate. Let me know if you are interested in donating in another way other than online. We can always accept donations at upcoming meetings as well.



Deanna Adkison
Research Promotion Chair

ASHRAE's research program, established in 1912, supports 140 research projects with a combined value of more than \$15 million. Research focus includes energy and resource efficiency, indoor environmental quality, design, operation, and management tools, alternative technologies, materials, and equipment. Through scholarships, grants and awards, the Society supports engineering education for undergraduate students, research projects for graduate engineering students, and new post-doctoral scholars. To find more information on resource promotion, please go to <https://www.ashrae.org/about/support-ashrae/rp>.

Please contact me with any other questions you may have or if you would like to be directed to additional resources.

Thank you!
Deanna Adkison
2019-2020 Research Promotion Chair
C001rp@ashrae.net



Shaping Tomorrow's
Built Environment Today

What Are Research Promotion Dollars Funding Right Now?

A list of some of the active research projects currently being funded by ASHRAE

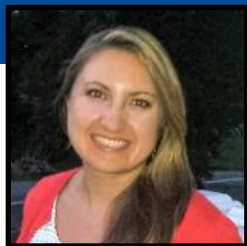
- Developing a Test Method to Determine the Effectiveness of UVC Systems on Commercial Cooking Effluent
- Impact of Gaseous Contamination and High Humidity on the Reliable Operation of Information Technology Equipment in Data Centers
- IAQ and Energy Implications of High Efficiency Filters in Residential Buildings
- Thermal, Moisture and Air Transport Property Values for New Building and Insulating Materials
- Evaluation of Climate Reanalysis Data for use in ASHRAE Applications

Find completed ASHRAE research promotion project reports in the online portal [here!](#)

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Product Show

Contact an officer if you
are interested!

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Special Events

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Communications & Webmaster

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