

OCTOBER MEETING

- When:** October 13, 2021, 5:30 —6:30 pm, **1.0 PDH Pending**
- Where:** Virtual Meeting, link to follow
- Details:** Presenter: Mary Brinton—Senior Applications Engineer, LG HVAC
- Topic:** VRF Systems: Electronic Expansion Valve & Retrofit Air Handling Unit Technology. Join Marty Brinton of LG HVAC and APA LLC as we explore VRF system functions and capabilities, as well as EEV & Retrofit technology. First, we will briefly learn about the VRF system and how it functions. Next, we will discuss the electronic expansion valve (EEV) and how it controls refrigerant flow between the VRF condensing unit and indoor units or air handlers. Finally, Mary will dive into the operation of the AHU communication kit which simplifies control signals between existing air handling units, and the VRF condensing unit. These technologies allow for all the benefits of a VRF system to be installed in a vast array of 3rd party air handlers.

FREE YEA EVENT AXE THROWING

Thursday, October 7
5:00 - 8:00 PM

REVOLUTION
AXE THROWING

info@revolutionaxe.com
(617) 944-9663
73 Norman Street
Everett, MA 02149

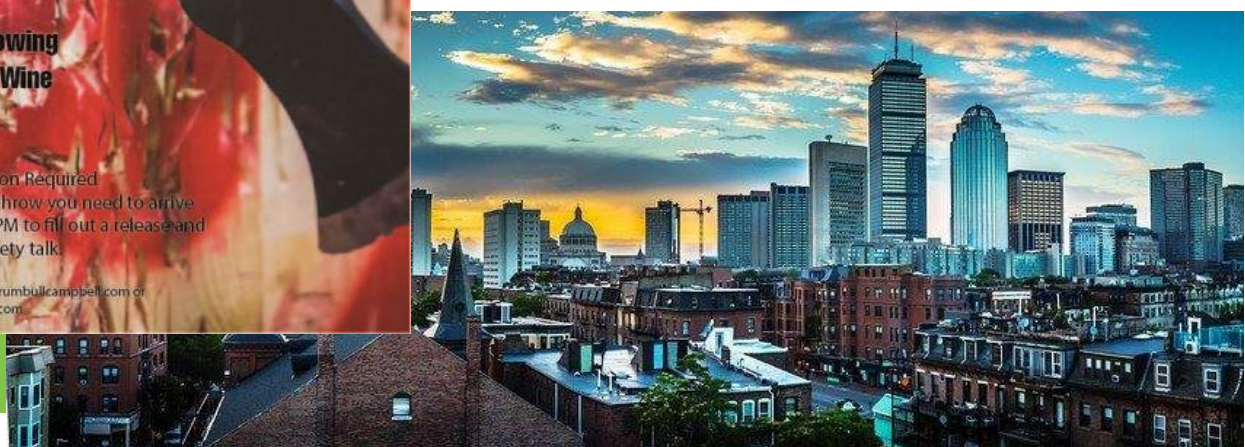
Free Axe Throwing
Free Beer or Wine
Free Pizza

Advance Registration Required
If you want to axe throw you need to arrive no later than 5:15 PM to fill out a release and listen to a short safety talk.

Questions? Email gage@trumbullcampbell.com or matt@trumbullcampbell.com

FREE YEA EVENT!

- When:** Thursday October 7th 5:00—8:00 pm
- Where:** Revolution Axe Throwing, 73 Norman St, Everett, MA.
Registration Required, Sign up [here!](#)
- Details:** The event is free to attend and food and drinks will be provided by the Boston ASHRAE Chapter. Please contact Gage Foley (gage@trumbullcampbell.com) or Matt Hallock (matt@trumbullcampbell.com) if you have any questions.



President's Message

Hi Everyone,

I wanted to thank everyone who attended our first virtual meeting of the year on September 14th! We had an excellent presentation, Heat Recovery Systems for Wastewater, presented by Brock Trimble. The presentation was recorded for anyone who missed it but still wants to watch and learn. The presentation will be available on our chapter website soon.

For our YEA members, we have our Revolution Axe Throwing event in Everett, MA up on October 7th. There will be pizza and drinks provided. Due to the limited space, pre-registration is required. Use [this link](#) to sign up.

We have our next meeting on October 13th. More information will be available within on the chapter website and sent out to chapter contacts by email as soon as it is available. It will be a virtual meeting and we are working to have the presentation PDH approved so please let us know if you require a PDH credit when you register.

If you are interested in getting involved or volunteering with the Boston chapter, please get in touch with me and we will have you join our Board of Governors meeting that is held virtually before the monthly meeting to see how you can get involved. We are looking for people to join our Government Affairs Committee Chair and a Sustainability Chair. If you are interested in either of these positions or any others do not hesitate to reach out.

Please email me at c001@ashrae.net or contact any of the volunteers with questions, concerns, or suggestions to help improve our chapter.

Thank you all,

William Cunningham

ASHRAE Boston Chapter President



President
Will Cunningham
BR+A

Historical News

By: Eric Edman - BR+A

As you read the news in this newsletter, some of you might want to consider your plans for the next Product Show. It comes sooner than you think. April is just around the corner -but far enough away to plan now. Many of you just have to bring the heaviest piece of equipment. That 8,000 pound boiler, pump and chiller.

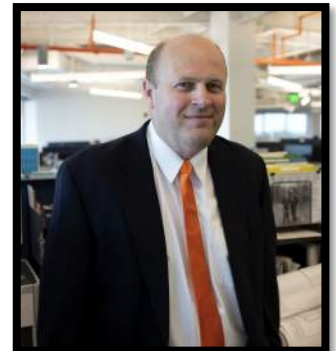
I'll ask-WHY? Why do you do this to yourself? Rethink the plans of your booth now. Look at others booths in your travels. What can YOU do to make next year the best it can be? If you need to talk to someone, the incoming officers are always good to talk with. We are able to help now versus the day of the show when we will be quite unable to do much to help you. We invite you to join us and, well, make history.

As always, we look forward to greeting you at a meeting. If there is something of historical nature you think interesting, please share it with us. We will do some leg work and share the story with others. Your ideas really do help us. I share some examples below. I hope they make you chuckle.

- In Shakespeare's time, mattresses were secured on bed frames by ropes. When you pulled on the ropes, the mattress tightened making the bed firmer to sleep on. Hence the phrase, 'goodnight, sleep tight.'
- It was the accepted practice in Babylon 4,000 years ago that for a month after a wedding, the bride's father would supply his son-in-law with all the mead he could drink. Mead is a honey beer and because their calendar was lunar based, this period was called the honey month, which we know today as the honeymoon.
- In English pubs, ale is ordered by pints and quarts. So in old England, when customers got unruly, the bartender would yell at them 'Mind your pints and quarts, and settle down.' It's where we get the phrase 'mind your P's and Q's'
- Many years ago in England, pub frequenters had a whistle baked into the rim, or handle, of their ceramic cups. When they needed a refill, they used the whistle to get service. This inspired the phrase, 'wet your whistle'.

All our best,

Eric Edman, c001his@ashrae.net



Eric Edman
Historian

EVENTS CALENDAR

Date	Event	Location	Main Meeting	Tech Session
October 7, 2021	YEA Event	Free YEA Event at Revolution Axe Throwing in Everett, MA. Pizza and drinks provided, advanced registration required. Sign up here!		
October 13, 2021	October Meeting	Online	VRF Systems: Electronic Expansion Valve & Retrofit Air Handling Unit Technology.	
November 16, 2021	November Meeting	TBD	TBD	
November	YEA Event	TBD	TBD	
December TBD, 2021	December Meeting	TBD	Joint meeting held by ASPE	
January TBD, 2022	January Meeting	TBD	TBD	
January 2022	DiA Event	TBD	TBD	
February TBD, 2022	February Meeting	Double Tree, Waltham	Joint meeting with AEE, Hosted by AEE, Heat Pumps, Energy Efficiency, Cold Climate Offerings	
March 2, 2022	March Meeting	TBD	Joint meeting held by AEE	
April 19, 2022	Product Show	TBD		
May TBD, 2022	May Meeting	TBD	Installation of Officers	
May TBD, 2022	DiA Event	TBD		
June TBD, 2022	Golf Outing	TBD		

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

[Boston ASHRAE Facebook](#)

[Boston ASHRAE Twitter](#)

[Boston ASHRAE LinkedIn](#)



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

Presidential Award of Excellence



Boston Chapter - 2021-2022

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>1000</u>	<u>550</u>	<u>100</u>	<u>120</u>	<u>350</u>	<u>175</u>			<u>50</u>	<u>650</u>

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History Special Feature

By: Eric Edman - BR+A

I would be willing to bet you \$50 that not many people would know our fine city of Boston had the first Fire Department in the nation! I believe I read that somewhere in my travels, but never really committed it to the memory banks. If you ever have spare time on a rainy day in Boston there is a Fire Museum. Closed temporarily due to, you guess.

I was wandering around the Seaport area one day this past spring, while my daughter was playing volleyball in the BCEC. Although they are closed currently, I happened to have a really nice discussion with some of Boston's finest. Not the police or firemen, the museum curators are some of the neatest people (with spirit and spunk to match) right here in Boston! Make no mistake these people can teach us a lot, much more than any other local citizen.

The Congress Street Museum right in the Seaport Area is a true gem.

I was curious to know who may have made the first steam driven fire pump and my discussions with the fire museum employees pointed me to the Amoskeag Fire Pump company of Manchester NH. It is no surprise to me that Amoskeag Fire Pump drew the interest of several large city fire brigades and the Boston Fire Department. BFD bought one of the first self propelled steam driven fire trucks with a steam driven fire pump. This contraption helped with one of the great fires of Boston in the late 1800's.

I share a picture of this from my phone camera and have to say, without access to the museum records, my research is a bit limited.

I just thought it really interesting to find another first here in Boston and to know that steam power was what drove this gizmo to a fire scene and helped pump water to extinguish the fire. I'll hope to get back when these folks open up again to continue my research and explore our local history a bit further.

The image on the right is a Amoskeag Fire truck from the late 1800's.

Eric Edman
c001his@ashrae.net



Eric Edman
Historian





ASHRAE/NYSERDA COMMUNITY HEAT PUMP SYSTEMS WEBINAR SERIES



Heating buildings by burning fossil fuels causes significant emissions of greenhouse gases. Many states already recognize the need to move away from this and have established climate action goals to help.

These policies promote building electrification as the primary method to reduce such fossil fuel combustion and emphasize the use of energy-efficient heat pumps for this purpose.

For example, New York State enacted the Climate Leadership and Community Protection Act (Climate Act) in 2019, which sets nation-leading targets and provides a path to reduce New York’s carbon footprint, make its communities more resilient, and adapt to a changing climate. Work is needed to bring these policies to reality. To meet New York’s 2050 goal by pivoting 4.5 million buildings to heat pumps, the market will need to install heat pumps in more than **400 buildings each day, every day, throughout the next 30 years.**

Where applicable, a community-style thermal strategy can accelerate decarbonization of the building stock, moving from a building-by-building approach to a block-by-block and community-by-community model.



Webinar Series Introduction

In this short video ASHRAE President Mick Schwedler and NYSEERDA President and CEO Doreen M. Harris introduce the series of 17 webinars and highlight community heat pump systems and technologies can be a step towards working to advance clean energy goals. View a complete transcript of the recording [here](#).

See all 17 webinars and register here! —>



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Positions are open!
Please contact
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you are interested!