



2018-2019 Officers



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January Meeting

Tuesday, January 08, 2018

Main Meeting:

**Why does it take so long
with so much effort to get
your control system running
to your satisfaction**

*Chapter History and Hall of Fame
Induction Night*

Please see **page 3** for more
information.

Where:

Embassy Suites

550 Winter St

Waltham, MA, 02451

Time:

5:30 - 6:30 PM Networking

5:30 - 6:15 PM Technical Session

6:30 - 7:00 PM Social/Registration/
Dinner

7:00 - 8:00 PM Main Presentation

Cost:

ASHRAE Boston Members: \$50

Non-ASHRAE Boston Members: \$60



Last Meeting at Metro Meeting Center

Please register online at www.ashraeboston.org

If you have any questions, you may contact Lucas Rowe or Alex Gilman, Attendance Chair, at ashraebostonattendance@outlook.com.

Thank You



CHAPTER PRESIDENT’S MESSAGE

By: Dan Carington

Hello Members,

Happy New Year! The ASHRAE Boston Chapter would like to send a special thanks to Mr. Jeff Camuso on his Tech Session topic on the steel and aluminum tariffs imposed in 2018 and their effects on the construction industry. In addition, a very big thanks to Mr. Paul Neider and Mr. John Matuszek on their Main Session topic on Radiant Metal Ceiling, thank you gentlemen.

The January meeting is our Past President’s Night, along with the Hall of Fame Induction and Historian Night. It will be a two-part session; the meeting will be at the Embassy Suite in Waltham. Past President Mr. Eric Edman will be doing a historian tech session and shortly afterwards we will be recognizing our three Hall of Fame nominees this year. We hope everyone will make it that evening to honor these individuals for their contribution to ASHRAE and the Boston Chapter. Our main speaker will be Bill Gnerre on “Why Does it Take So Long With So Much Effort to Get Your Control System Running to Your Satisfaction?” for further info on the topics and presenter’s bio, please refer to information below.

Please come and check out our social media websites, come and join us at LinkedIn <https://www.linkedin.com/groups/5053857/>, please continue to check out our website event page at <http://www.ashraeboston.org/eventspage> for information of upcoming chapter meetings, current officers listing , chapter newsletters, and contact information, along with other information.

Thank you for your continued support of ASHRAE and ASHRAE Boston Chapter.

Look forward seeing everyone the evening of January 8th!

Any comments or questions I can help you out with please contact me at c001@ashrae.net or call me at 617-462-2538.

Presidential Award of Excellence									
Boston Chapter - 2018-2019									
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	Chapter PAOE Point Totals
1052	785	375	345	175	1590	425	100	50	3785

UPCOMING MEETING INFORMATION

Main Section Title of presentation: Why does it take so long with so much effort to get your control system running to your satisfaction

Presentation Outline:

- To suggest improvements design engineers can add to their deliverables and service that will result in better run buildings
- To educate design engineers to owner’s perspective of automation delivery
- To provide design engineer’s insights to owner’s purchasing process that limits owner’s ability to acquire efficient automation
- To elevate the importance of Sequences of Operations to the delivery of automation
- To demonstrate that operating state diagrams are valuable to communicate design intent.
- To demonstrate the financial impact or inefficient building automation on long term operating cost

Speaker Bio:



Bill Gnerre, CEO and Cofounder, IDS – Since its founding in 2003 Bill has kept IDS focused on one vision “to operate buildings in conformance with comfort and health/safety standards, at the lowest operating cost.” To achieve this solution, IDS developed one of the first enterprise energy management platforms (EnergyWitness), incorporated operational analysis services, and most recently began offering BAS programming services based upon ASHRAE Guideline 36P. Bill’s leadership activities have spanned sales & marketing, analytic services design, project management, and is IDS’ customer advocate. An example of the full breadth of Bill’s vision is the work done with Kentucky–IDS was recently selected by DOE’s Smart Energy Analytics Campaign as 2017’s Outstanding Monitor Based Commissioning provider. Kentucky’s implementation tracks energy usage on 1,125 buildings, across 10 state agencies, from 120 separate utilities companies.

Tech Section Title of presentation: ASHRAE History

Tech Session will be presented by our Historian chair Eric Edman. This Tech session presentation will be a little history of ASHRAE, and where we began. As well as recognizing our 3 Hall of Fame nominees in ASHRAE for this year and Past Presidents night.

Speaker Bio:



Eric Edman, is a Senior Associate in HVAC at BR+A Consulting Engineers in Boston, MA. Eric has been with BR+A since 1992 and currently works with Boston Children’s Hospital on a wide variety of complex renovations and new buildings on the 2 million square foot Boston Campus. Prior to college, Eric worked with his father on residential projects as a GC, and as a sheetmetal apprentice thru college. Upon Graduating from Blue Hills with honors in 1984, Eric starting his engineering career for MEA Engineering on a wide variety of small projects designing HVAC- as well as Plumbing/Fire and Electrical systems. In 1992, Eric started at BR+A, and has grown into a variety of special roles within the company and maintaining an active role within ASHRAE. Eric is currently serving as the Chapter Historian for a third season, joined ASHRAE in September 1982 as a student, and began serving as Attendance Chair in 1986. Eric began new roles and eventually became the chapter President in 1997- and has also risen to become outstanding member of the year- three

times. Eric, and his wife Courtney, have three children, and reside in Framingham, MA where he is active in the community and school activities.



Meet our Members

By: Liz Desmarais



Bob Persechini is a 26-year veteran of Boston ASHRAE. He has held virtually every office and role within our Chapter and was inducted into the ASHRAE Hall of Fame in 2010. He serves as a role model, friend and advisor to all of us and we are grateful for his continuing contributions.

Tell us a little bit about your background (where you grew up, education, current

position)

I grew up in Avon, Mass. I hold degrees in Civil/Structural Engineering and HVAC Technology from Northeastern University. I am Vice President/Group Leader for the Boston office of NV5. Prior to its buyout by NV5, I was a Principal of RDK Engineers. I reside in Abington, MA with my family.

How long have you been an ASHRAE member?

Since 1982

Why did you join in the first place?

I was working for a small engineering firm and Bud Jensen who was the President of ASHRAE at the time was calling on our firm and was telling me about ASHRAE and what it was all about. Sounded real interesting. My biggest fear being from the South Shore is that the meetings would be at Tufts University, and that would have been a deal breaker since I never ventured much beyond the city.

What offices have you held?

I do believe I have held just about every office in our Boston ASHRAE Chapter from Chapter President, Golf Outing Chair, Secretary, Delegate to the Society, Programs Chair - all of them. I have been a working member of our Chapter since the beginning because, to me, that is how I can contribute in a meaningful way, and that is important to me. When I was a young engineer, it helped me to grow professionally, make friendships and establish relationships in the industry. Now, having been involved for many years, I know the group and the process of running it pretty well, and so I try to mentor the younger engineers and lead by example.

Which office has been your favorite and why?

I enjoyed them all. The position I enjoyed and had the most fun in was the Meetings and Arrangements Committee

What value do you derive from being a member?

Up to date technology and standards for our industry.

Friendships. Business relationships that have served me very well over the last 26 years.

What is your favorite thing about ASHRAE?

I really enjoy meeting new people. I also find it very satisfying being involved in the Technical Committees and having input into our professional standards.

What would you tell young people just entering our profession?

Get involved attend meetings, meet your peers in the industry and grow with them. You won't regret it!!

Why is important for young engineers to become involved?

Stay current with the latest trends and technology. Learn from the experts within the organization at Local, Regional and Society meetings.

Are you involved with any other professional organizations besides ASHRAE?

Yes International Facility Management Association ("IFMA"), served on the membership committee 9/2013-1/2018. Programs Committee 1/2018 to present

Bob's Advice to Young Engineers:

"Get involved, attend meetings, meet your peers in the industry and grow with them. You won't regret it!!"

Outside of the world of HVAC and ASHRAE what do you enjoy doing in your off hours?

Family, golf, gardening and remodeling properties.

Liz's Note: Bob's active involvement and commitment to ASHRAE has been acknowledged by our Chapter as well as the Society over a dozen times. His many awards include Chapter Service Awards and Regional Awards of Merit. Bob was inducted into the Hall of Fame in 2010. Bob's commitment to service to others is also reflected in his civic involvement and fundraising efforts for the Muscular Dystrophy Association (MDA) and American Cancer Society; his service on the boards of Blue Hills Regional Technical School, Massasoit Community College; and his position as a faculty Lecturer and Instructor at Northeastern University.



HISTORICAL NEWS

By: Eric Edman



ASHRAE Boston History Games

History Trivia.

How well do you know Boston?

The following questions are being asked, the answers will appear in full in the February newsletter. The answers will also be revealed at our January meeting during the TECH session.

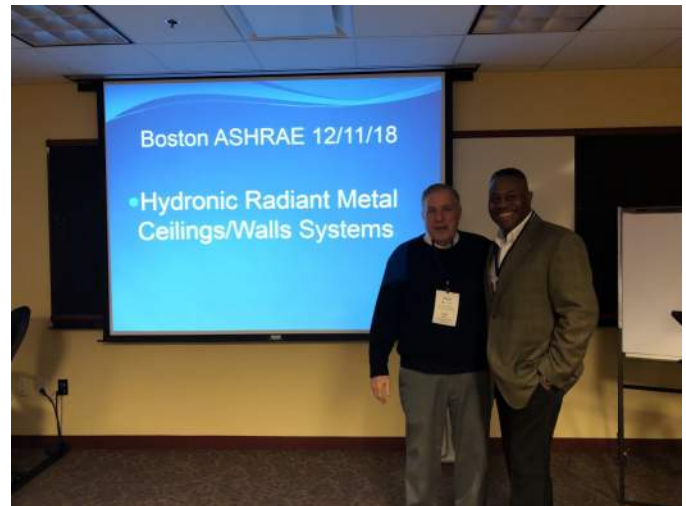
1. In what year did our subway system open ? Where did it go from and to?
2. Name the first person to die in the Revolutionary war.
3. What Civil War Regiment is honored at the Massachusetts State House?
4. Which Boston poet is credited with saving the USS Constitution?
5. What was Paul Revere's vocation?
6. Boston had a shopping center called downtown crossing. Could you name some of the famous stores that once had shops there?
7. What tradition started in a retail apparel store in downtown crossing?
8. The "old" Boston Garden was torn down (when??) What Boston Bruins player was gifted the "Penalty Box" of the old Garden?
9. What local Ice cream parlor started in Post Office Square?
10. What is the state dog of Massachusetts?
11. When did the Boston marathon start? Can you name the person who has won the most Boston Marathons?

Meeting Recap

By: Liz Desmarais



Thank you Boston ASHRAE members for making our December meeting a very well attended and successful night! Jeff Camuso delivered an impactful and objective Tech Session on the steel and aluminum tariffs imposed in 2018 and their effects on the construction industry. Paul Neider presented on Radiant Metal Ceiling during the evening's main lecture and it was nothing short of terrific! Special shout out to President Daniel Carington, LEED AP BD+C and the Officers and Board of Governors Members for their good work and continued efforts on behalf of our Boston ASHRAE Chapter.



ASHRAE Boston Chapter – Employment Ads

The NorthEastAire is published monthly, September through June. It is posted on the Chapter website at www.ashraeboston.org. A link is sent each month to all members of the Chapter, currently over 1000.

Newsletter Rate*: \$250 for 1/4 page, \$450 for 1/2 page, \$800 for full page

Website Rate*: \$300 per calendar month

Discount for Both Newsletter & Website*: \$500 - 1/4 page in newsletter and website ad
\$700 - 1/2 page in newsletter and website ad
\$1,050 - full page in newsletter and website ad

Format: Word format, company logos in .jpg or .gif

Deadline for January Newsletter: January 25, 2018

Any questions, please contact Sophia Scoon, Newsletter Editor at or northeastaire@gmail.com

Sponsors also get to post ads on the newsletter! To learn more please click [here](#)

*Prices are subject to change.



EDITOR'S NOTE

By: Sophia Scoon

2018-2019 edition materials for the **January** newsletter is due by **January 25, 2018**.

Please submit employment/want ads in .pdf, .doc or .jpg format. A company logo may also be included. Feel free to send any ideas you would like to share or include in next issue.

For additional information, refer to our website at www.ashraeboston.org.

For more information, please e-mail northeastaire@gmail.com



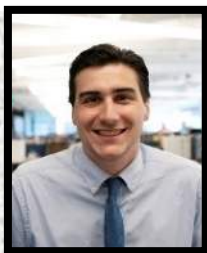
STUDENT ACTIVITIES

By: Yuka Narisako

Happy New Year and New Semester to our student members and Student Branch Advisors!

Please remember that applications for our annual Cheryl Rossini Future Engineers Scholarship is live on our website! **The scholarship application deadline this year is February 15, 2019!** Please visit [this link](#) for application, eligibility, and deadline information! You can also visit the [society scholarship page](#) for the same information, as well as other scholarships awarded by other branches of ASHRAE.

Please contact me at coo1sa@ashrae.net with any additional questions!



Webmaster's Notes

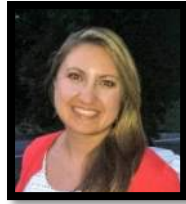
By: Alex Gilman

Please make sure to add admin@ashraeboston.org to your "safe sender" list to prevent emails from going to your spam folder.

Please feel free to send comments and suggestions to coo1web@ashrae.net

Here are some additions to look forward to for THE ASHRAE Boston Chapter Site in the following weeks.

- Updated monthly pictures of previous from previous ASHRAE meetings
- Schedule of future ASHRAE Events

**CTTC**

By: Deanna Adkison

ASHRAE Publishes Updated Residential, Construction Standard

Media Contact:

Allen Haynes
404-446-1677
ahaynes@duffey.com

ATLANTA (Dec. 18, 2018) – ASHRAE has released an updated edition of *ANSI/ASHRAE/IES Standard 90.2-2018 Energy-Efficient Design of Low Rise Residential Buildings*. The standard establishes minimum whole-building energy performance requirements (design, construction, and verification) for energy-efficient residential buildings.

The 2018 revision of Standard 90.2 outlines cost-effective residential building energy performance measures that are at least 50% more efficient than those defined by the 2006 International Energy Construction Code (IECC).

“Standard 90.2 provides a mechanism by which any residential building design can be easily evaluated against performance objectives,” said Theresa Weston, Ph.D., chair of the Standard 90.2 committee. “This update to the standard offers better alignment between this standard’s requirements and marketplace product availability as well as some revisions to improve the document’s clarity and internal consistency.”

The 2018 edition of Standard 90.2 provides:

- Clarification for modeling software requirements
- Guidance on the use of international climate data presented in ASHRAE Standard 169
- A new normative appendix on proper installation techniques for critical thermal resistance building components
- Improved prescriptive envelope performance data tables
- New performance specifications for ground-source heat pumps
- Minimum lighting efficiency provisions for single-family, large single-family, and multifamily homes
- Guidance on pool heater pilot lights, pump motor efficiency, and exterior de-icing systems
- Clarifications to multi-zonal building air-leakage testing procedures

The cost of ASHRAE Standard 90.2-2018 is \$94 for ASHRAE members (\$110, non-members). To order, visit www.ashrae.org/bookstore or contact ASHRAE Customer Contact Center at 1-800-527-4723 (United States and Canada), 404-636-8400 (worldwide) or fax 678-539-2129.

About ASHRAE

ASHRAE, founded in 1894, is a global society advancing human well-being through sustainable technology for the built environment. The Society and its more than 56,000 members worldwide focus on building systems, energy efficiency, indoor air quality, refrigeration and sustainability. Through research, standards writing, publishing, certification and continuing education, ASHRAE shapes tomorrow’s built environment today. For more information, visit ashrae.org and connect on [LinkedIn](#), [Facebook](#), [Twitter](#) and [YouTube](#).



Product Guide

By: *Lance Brown*

Welcome to 2019! With the new year comes your chance to have your company included in the 2019 ASHRAE Boston Product Guide.

See the [Product Guide](#) webpage for a copy of the 2018 Product Guide and a link to provide payment.

If you are the correct contact for your company and are interested in participating, here's what you need to provide:

- Single page line card in PDF format – reply to this email
- Payment of \$100 per single page line card using the [Paypal link](#)
 - Product suppliers: A completed list of items your company reps & manufacturer name – see [Lance Brown](#) for the blank form
 - Service providers: A completed list of services your company provides – see [Lance Brown](#) for the blank form

All materials and payment are needed by February 13.

If you are a silver, gold, or platinum sponsor of the Boston chapter for 2019, inclusion in the Product Guide is part of that sponsorship and no additional payment is due.

Lance Brown
2019 Product Guide Chair

SOCIETY NEWS

ASHRAE Learning Center



Instructor-Led Training

ASHRAE Learning Institute instructor-led training offers many opportunities for you to learn the latest HVAC&R technologies.

[MORE](#)



Board & Committee Nominations

Nominations are requested for Officers and Directors on the ASHRAE Board, and for members of standing committees for the 2019–2020 Society year.

[MORE](#)



Building Our New Energy Future

What Buildings Professionals Need to Know about Changes Coming to the Electricity Sector, a primer from 2018–2019 ASHRAE President, Sheila J. Hayter.

[MORE](#)



High Performing Buildings

An innovative renovation of a 1948 bottling house saved a piece of Philadelphia history. And, using twice daily occupancy surveys saves energy by providing enough data to minimize the amount of air conditioning used.

[MORE](#)



Featured Region

Meet Region XIV. As ASHRAE's newest region, it represents 8 ASHRAE chapters and over 30 countries in Europe.

[MORE](#)



2019 ASHRAE Webcast

Registration is now open for the 2019 ASHRAE Webcast *The Future of Refrigerants: Unitary and VRF Systems*. Register for one of two convenient dates – April 17 or April 18.

[MORE](#)



ANNUAL CORPORATE SPONSOR PROGRAM

Support the ASHRAE Boston Chapter by becoming a Sponsor and shining the spotlight on your organization!

EVENT BEVERAGE SPONSOR

\$1500

- Donation of \$300 in your company name to ASHRAE Research – Boston Chapter Endowment
- Company name listed in the ASHRAE Insight and earn Honor Roll Corporate Status
- Company name display and recognition on name badges at the sponsored event
- One (1) complimentary tickets to the Annual Sponsor Recognition Event

SILVER LEVEL SPONSOR

\$2000

- Donation of \$1000 in your company name to ASHRAE Research – Boston Chapter Endowment
- Company name listed in the ASHRAE Insight and earn Honor Roll Corporate Status
- Company name display on ASHRAE Boston Chapter website and monthly meetings for one year*
- Full-page ad in the Boston Chapter Roster & Product Guide for one year*
- Recognition on name badges at all events for one year*
- One (1) complimentary tickets to the Annual Sponsor Recognition Event

*ASHRAE Corporate Sponsorship Year – January 1 to December 31

Questions? Please contact any of the ASHRAE Boston Chapter Corporate Sponsorship Committee members.

Dan Carington

DCarington@brplusa.com

Mark Leonard

mleonard@brplusa.com

Deanna Adkison

dadkison@f-t.com

Bob Persechini

bob.persechini@nv5.com



ANNUAL CORPORATE SPONSOR PROGRAM

GOLD LEVEL SPONSOR

\$3000

- Donation of \$1500 in your company name to ASHRAE Research – Boston Chapter Endowment
- Company name listed in the ASHRAE Insight and earn Honor Roll Corporate Status
- Company name display on ASHRAE Boston Chapter website and monthly meetings for one year*
- Full-page ad in the Boston Chapter Roster & Product Guide and half-page ad in the Boston Chapter newsletter – NortheastAire for one year*
- Recognition on name badges at all events for one year*
- Two (2) complimentary tickets to the Annual Sponsor Recognition Event
- Complimentary hole sponsor sign at the annual ASHRAE Boston Chapter Golf Tournament

PLATINUM LEVEL SPONSOR

\$5000

- Donation of \$2500 in your company name to ASHRAE Research – Boston Chapter Endowment
- Company name listed in the ASHRAE Insight and earn Honor Roll Corporate Status
- Company name display on ASHRAE Boston Chapter website and monthly meetings for one year*
- Full-page ad in the Boston Chapter Roster & Product Guide and the Boston Chapter newsletter – NortheastAire for one year*
- Recognition on name badges at all events for one year*
- Four (4) complimentary tickets to the Annual Sponsor Recognition Event
- Company name on event name badge lanyards for one year*
- Complimentary hole sponsor sign at the annual ASHRAE Boston Chapter Golf Tournament

*ASHRAE Corporate Sponsorship Year – January 1 to December 31

Questions? Please contact any of the ASHRAE Boston Chapter Corporate Sponsorship Committee mem-

Dan Carington

DCarington@brplusa.com

Mark Leonard

mleonard@brplusa.com

Deanna Adkison

dadkison@f-t.com

Bob Persechini

bob.persechini@nv5.com



ANNUAL CORPORATE SPONSOR PROGRAM 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
- EVENT \$1500

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 submit the following 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 and/or the NortheastAire.
- Company logo in high-resolution ESP or JPG format to be place on the pre-meeting presentation and/or the Boston Chapter homepage

Questions? Please contact any of the ASHRAE Boston Chapter Corporate Sponsorship Committee members.

Dan Carington

DCarington@brplusa.com

Mark Leonard

mleonard@brplusa.com

Deanna Adkison

dadkison@f-t.com

Bob Persechini

bob.persechini@nv5.com

2018-2019 Meeting Schedule

Date	Main Meeting/ Tech Session	Speaker	PDH Credits	Location/ Special Night
January	"WHY DOES IT TAKE SO LONG WITH SO MUCH EFFORT TO GET THE CONTROL SYSTEM WORKING TO YOUR SATISFACTION"	Bill Gnerre	Yes	Embassy Suites 550 Winter St. Waltham
Tuesday January 08, 2019	Tech Session: N/A	Eric Edman	TBD	Past President/ History & Hall of Fame Induction
February	New Approaches to Slash Lab and Commercial Building Energy Use and Improve IEQ - DL	Gordon P. Sharp	Yes	Metro Meeting Centers 101 Federal St. Boston
Tuesday February 12, 2019	Tech Session: WHAT WILL ASHRAE STANDARD 62.1-2019 LOOK LIKE WITH THE PROPOSED CHANGES TO THE IAQ, NVP AND VRP?	MARWA ZAATARI	Yes	Membership Promotion/YEA/Student Activity Night
March	SUSTAINABILITY AND RESILIENCE - EXAMPLE OF COMMUNITY AND CAMPUS ENERGY ASSESSMENTS	CHONGHUI LIU (CL), PE	Yes	Embassy Suites 550 Winter St. Waltham
Tuesday March 12, 2019	Tech Session: TBD	TBD	TBD	YEA NIGHT
April	WBGH Tour	David Price	N/A	
Thursday April 09, 2019	TBD	TBD	TBD	
May	2019-2020 Installation of Officers	Mark Leonard	N/A	TBD
May XX, 2019				TBD
June	Golf Outing	N/A	N/A	Granite Links 100 Quarry Hill Dr. Quincy, MA 02169
Tuesday June 4, 2019				Research Promotion

OFFICERS

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Treasurer
Chris Pietrocarlo
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President-Elect
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Vice President
Deanna Adkison
Fitzemeyer & Tocci
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coo1vp@ashrae.net

BOARD OF GOVERNORS

2016-2019	2017-2020	2018-2021
Darcy Carbone Carbone & Associates 617-957-2567 coo1bog2@ashrae.net	Bob Persechini NV5 617-345-9885 coo1bog8@ashrae.net	Yuka Narisako BR+A coo1bog12@ashrae.net
Perla Redfern Siemens coo1bog7@ashrae.net	Lance Brown BVH coo1bog5@ashrae.net	Nick Roth NE Applied Products coo1bog6@ashrae.net
Steve Tafone Suffolk Construction 978-774-1057 coo1bog10@ashrae.net	Chris Pietrocarlo BR+A coo1bog1@ashrae.net	Sophia Scoon Jacobs coo1bog9@ashrae.net
Erin Popa BR+A 617-925-8205 coo1bog4@ashrae.net	William Tang BR+A 617-254-0016 coo1bog11@ashrae.net	Doug Rothmann Norman Associates coo1bog3@ashrae.net

COMMITTEES

Attendance Lucas Rowe Accuspec Inc. Alex Gilman BR+A ashraebostonattendance@outlook.com	CRC Delegate Mike Gilroy BR+A coo1@ashrae.net	Honors & Awards Will Cunningham BR+A coo1tha@ashrae.net Bob Persechini NV5 617-345-9885 Bob.Persechini@nv5.com	Newsletter Editor Sophia Scoon Jacobs northeastaire@gmail.com	Sustainability Lance Brown BVH LanceB@bvhis.com
Chapter Program Deanna Adkison Fitzemeyer & Tocci coo1cttc@ashrae.net	Golf Outing Erin Popa BR+A 617-925-8205 Epopa@brplusa.com	Membership Promotion Will Cunningham BR+A coo1mem@ashrae.net	Professional Development Deanna Adkison Fitzemeyer & Tocci 781-285-2262 dadkison@f-t.com	Special Events Erin Popa BR+A 617-925-8205 Teri Shannon ashraebostonspcialevents@outlook.com
Chapter Technology Transfer Deanna Adkison Fitzemeyer & Tocci coo1cttc@ashrae.net	Grassroots Advocacy Committee Kevin Doty Victaulic coo1ggac@ashrae.net	Nominating Bob Persechini NV5 617-345-9885 Bob.Persechini@nv5.com	Publicity Liz Desmaraiz Trumbull Campbell coo1pub@ashrae.net	Website Alex Gilman BR+A coo1web@ashrae.net
CRC Alternate Dan Carington BR+A 617-925-8236 coo1pe@ashrae.net	Historian Eric Edman BR+A 617-925-8325 coo1his@ashrae.net	Research Promotion Mark Leonard BR+A 617-925-8322 coo1rp@ashrae.net	Refrigeration Steven Tafone Suffolk Construction 978-774-1057 coo1ref@ashrae.net	WiA Sophia Scoon Jacobs sophia.scoon@jacobs.com
			Student Activities Yuka Narisako BR+A coo1sa@ashrae.net	YEA Willie Dawkins HTS coo1yea@ashrae.net

ASHRAE RESEARCH

ASHRAE Boston Chapter Contributors

Investors Who
Care About
Tomorrow



CONTACT Mark Leonard at coo1rp@ashrae.net

Mail Check (Payable to "ASHRAE Research") to:

ASHRAE RESEARCH
 Mark Leonard
 c/o Bard, Rao + Athanas Consulting Engineers
 10 Guest St. 4th Floor
 Brighton MA 02135

**Your contribution puts us closer to achieving our goal.
 Please send what you can today!**

Individual contributions of \$100 or more and Corporate contributions of \$150 or more receive this year's Commemorative Coin and Honor Roll Contribution status.

Name: _____

Company: _____

Address: _____

TEL: _____

INDIVIDUAL

\$25.00	\$50.00	\$100.00	\$200.00
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Other: _____

CORPORATE

\$250.00	\$500.00	\$1,000.00	\$2,000.00
----------	----------	------------	------------

Other: _____



NorthEastAire

ASHRAE - BOSTON CHAPTER www.ashraeboston.org

Sophia Scoon

Jacobs

120 St. James Ave. 5th Floor, Boston, MA 02116

(P) 617-2504854 d

northeastaire@gmail.com