March Meeting
Tuesday March 12, 2018

Main Meeting:
Sustainability and Resilience - Example of Community and Campus Energy Assessments

YEA 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

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

Statements made in this publication are not expressions of the Society or of the Chapter and may not be reproduced without special permission of the Chapter.
Hello Members,

March Madness is just around the corner! Are you ready for it! Come and visit us at our Facebook page, at our LinkedIn page, at Twitter page, and our website at http://www.ashraeboston.org. Thanks to both Liz Desmarais and Alex Gilman our social media sites and website are bringing you update information every month, stop on by, follow us, like us, join us and let us know what you think.

A special thank you goes out to both Dr. Marwa Zaatari PhD., on her technical session presentation on What Will ASHRAE Standard 62.1 – 2019 Look like with the Proposed Changes to the IAQ and our Distinguished Lecturer Mr. Gordon P. Sharp for our main topic. Mr. Sharp discussed new approach to Slash Lab and Vivarium Building Energy Use by Up to 50%, we truly appreciate them for rescheduling their time to attend February 19 to present to our chapter members and guests due to the February 12 snowstorm. Thank you to those members for also taking the time to come out on a February vacation week to show their support of ASHRAE and the ASHRAE Boston Chapter, thank you!

Next month meeting will be on March 12 at the Embassy Suite, 550 Winter St in Waltham, MA. It will be a joint meeting with the Association of Energy Engineers (AEE) with ASHRAE Boston Chapter hosting the night. Please join us in welcoming our main session speaker Mr. Chonghui Liu (CL), PE, our Young Engineers in ASHRAE (YEA) Regional Vice Chair of Region 1. Mr. CL will be presenting on YEA Night about Sustainability and Resilience – Example of Community and Campus Energy Assessments. Our technical session presentation will be by Mr. Mark Harrison. Mr. Harrison presentation will be on Design and Use of Fire Resisting Ductwork Systems as an Alternative Means and Method in Accordance with INTERNATIONAL BUILDING CODES (IBC). For additional info on the topics and presenter’s bio, please refer to their information in the newsletter.

ASHRAE Boston Chapter has made available Corporate Sponsorship opportunities available; please visit the Sponsorship page to register! Please contact Mr. Mark Leonard at co001pe@ashrae.net for more information. We look forward to your annual sponsorship, we greatly appreciated, and will help with operational costs here at the Boston Chapter tremendously. A huge “Thank you” goes out to J.S. Fleming, NV5, Victaulic, Air Distribution Corporation, BR+AJ, HTS, Trane and Trumbull Campbell Associates who are already part of the current sponsorship program, thank you again for your loyal support you have provided to the Boston Chapter.

Would like to welcome aboard Ms. Amy Gebhardt who is now our Chapter Special Events Committee Chair, welcome Amy. Amy is from Victaulic and she has experiences in event planning. Please also welcome aboard Mr. William Fisher of Fluid Industrial Associates who is now our new Chapter Government Affairs Chair (GAC), recently promotion of Mr. Kevin Doty to the Victaulic’s office in Florida, congrats Kevin. Please join me in a warm welcoming to both Amy and William to the ASHRAE Boston Chapter volunteer family.

Any comments or questions I can help you out with please contact me at co001@ashrae.net or call me at 617-462-2538. I truly would love to hear from you with any thought you may have regarding the ASHRAE Boston Chapter.

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<thead>
<tr>
<th>Presidential Award of Excellence</th>
<th>Boston Chapter - 2018-2019</th>
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<td><strong>Chapter Members</strong></td>
<td><strong>Membership Promotion Points</strong></td>
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<td>990</td>
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Monthly Meeting Details

When
Tuesday, February 19, 2019
5:30 PM - 8:00 PM

Location
Embassy Suites
550 Winter St
Waltham, MA, 02451

Registration
Member – $50.00 ASHRAE Boston Chapter member registering to attend.
Non-Member – $60.00 Non-member of ASHRAE Boston Chapter registering to attend.

Registration is closed
When:
Friday March 8th, 2019

Meeting Timeline:
5:30 - 6:30PM Networking
6:30 - 7:00PM Social/Registration/Dinner
7:00 - 8:00PM Main Program

RSVP by 12:00pm (noon) Friday March 8th, 2019.
If you would like a vegetarian meal, please check box in registration form
Please register online whether pre-paying with credit card / PayPal.
UPCOMING MEETING INFORMATION

Main Session Lecture Topic: Sustainability and Resilience - Example of Community and Campus Energy Assessments

Background

In the current utility and facility design and management landscape, sustainability and resilience goals, unpredictable natural and human-induced disasters (e.g., Hurricane Harvey and Hurricane Irma within recent months), rising energy costs, and lean operation and maintenance (O&M) budgets present fundamental challenges in the way communities and campuses manage their energy and facility resources. This presentation covers two key industry focuses: sustainability and resilience from a mechanical/energy engineer’s perspective. Examples in different physical scales (community, campus, building, and equipment) will be presented to address sustainability and resilience in building mechanical design, energy assessment/planning, and commissioning practices.

Content

- Definition of sustainability and resilience
- Industry guidelines in sustainability and resilience
- Lessons learned from recent natural disasters
- Examples of sustainability and resilience in different physical scales
- Community (microgrid, energy master planning)
- Campus (energy master planning and assessment)
- Building (energy assessment and mechanical design)
- Equipment (mechanical design and commissioning)

Bio: Chonghui Liu (CL) recently joined Popli Design Group as Team Leader, Energy Services. He has 10 years of experience in mechanical/HVAC design, energy assessment/planning, and commissioning.

CL holds an M.S. in Mechanical and Aerospace Engineering from Syracuse University, Syracuse, NY. He is a licensed professional engineer (PE) in the State of New York, Certified Energy Manager (CEM), and LEED Accredited Professional BD+C. He is a project subcommittee voting member (PSVM) of ASHRAE Standing Standard Project Committee 90.1, and a corresponding member of Technical Committee 6.2 (District Energy) and 7.6 (Building Energy Performance).

His technical expertise includes HVAC/plumbing design and optimization, central plant design and optimization, energy master planning and assessments, sustainable design and renewable energy, commissioning and retro-commissioning, and energy/CFD/FEA simulations.

Tech Session Lecture Topic: Design and Use Of Fire Resisting Ductwork Systems as an Alternative Means and Method in Accordance with INTERNATIONAL BUILDING CODES (IBC)

What is Fire Resisting Ductwork?

- Test Methods & Criteria
- Standards & Codes
- Designers Responsibilities
- Installation Guidance
- Fire Resisting Ductwork Types
- Applications
- Listings & Approvals
- Supplementary Products

Bio: Mark Harrison graduated in 1988 after completing an OND & HND in Building Construction. Since then he has been actively involved in the development of passive fire protection products working initially in high integrity steel doors and shutters for 11 years before moving into the HVAC sector in 2000. The success of the product lead to the creation of FIRESAFE FIRE RATED DUCTWORK LTD® and Mark took the role of Technical Manager. In 2011 he joined the Association for Specialist Fire Protection (ASFP) Technical Group 6 to improve his knowledge and understanding of changes to requirements in the industry. Continued involvement in the product development and testing lead to joining the British Standards Institute FSH/22/-09 Technical Committee in 2015 and last year he became Chair of that Committee now representing the UK as an expert in fire resisting ductwork. In October 2018 Mark was promoted to Commercial Director and in November 2018 he represented the BSI in Europe as a UK Expert which involves writing and developing the European and International Standards (TC127/WG2/TG3 Committee).
As you read the news in this newsletter, you might want to consider long term plans for the next Product Show. Many of you just have to bring the heaviest piece of equipment. I'll ask—WHY?? 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. They can help the easiest now.

The March meeting will be a highlight of the year with a talk on sustainability and resilience. 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.

All our best
Your historical committee.

Thank you to all of our applicants for the Cheryl Rossini Future Engineers Scholarship! It is truly inspiring to read applications of students who share the same passion for engineering a better-built environment as our ASHRAE members. Scholarship recipients will be notified no later than March 30, and we will be announcing those recipients in the April newsletter – stay tuned!

I would also like to congratulate Jake Pforr of the Massachusetts Maritime Academy for being this year's recipient of the ASHRAE Region I Setty Family Foundation Scholarship! Jake is an undergraduate facilities engineering student, and we look forward to presenting him with his well-deserved scholarship at the March meeting.

Please contact me at c001sa@ashrae.net with any additional questions!
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 April Newsletter**: March 26th, 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

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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.

**EDITOR’S NOTE**

By: Sophia Scoon

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

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

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**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 coonweb@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
ASHRAE, UN Environment Accepting Entries for Lower Global Warming Potential Award

Media Contact:
Allen Haynes
404.446.1677
ahaynes@duffey.com

ATLANTA (Feb. 1, 2019) – ASHRAE and UN Environment are accepting entries for a jointly established international award program to promote the innovative designs, research and practices of low-GWP alternative refrigerants and related technologies.

The Lower-GWP Refrigeration and Air-Conditioning Innovation Award annually recognizes people who have developed or implemented innovative technological concepts applied in developing countries to innovative designs, research and practices that minimize global warming potential (GWP) through refrigerant management.

“We look forward to seeing entries from innovators who are committed to sustainability through the development and implementation of a new generation of low-GWP efficient solutions,” said 2018-2019 ASHRAE President Sheila J. Hayter, P.E. First Place and Honorable Citation awards are made in two categories:

- Residential Applications
- Commercial/Industrial Facilities

The winners in each category will be selected based on innovative solutions for designs, practice or research using lower-GWP technologies. The selection will take into account the following criteria:

- Extent of need;
- Innovative aspects in transforming conventional practices;
- Technical replicability to developing countries; and
- Economy feasibility to developing countries.

Entries for the 2019 awards will be accepted until May 15, 2019. Winning projects will be publicized by both organizations, and first place recipients will receive a stipend to receive their award at a UN Environment event.

For more information, visit ashrae.org/lowergwp.

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.
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  Mark Leonard  Deanna Adkison  Bob Persechini
DCarington@brplusa.com mleonard@brplusa.com dadkison@f-t.com 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 members.

Dan Carlington       Mark Leonard       Deanna Adkison       Bob Persechini
DCarlington@brplusa.com  mleonard@brplusa.com  dadkison@f-l.com  bob.persechini@nv5.com
# ANNUAL CORPORATE SPONSOR PROGRAM

## COMMITMENT FORM

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

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<tr>
<th>COMPANY NAME</th>
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<tr>
<td>NAME OF THE CONTACT</td>
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<td>CONTACT E-MAIL</td>
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<td>COMPANY MAILING ADDRESS</td>
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<td>SIGNATURE</td>
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## SPONSORSHIP LEVEL

Please check one

- [ ] PLATINUM $5000
- [ ] GOLD $3000
- [ ] SILVER $2000
- [ ] EVENT $1500

**PAYMENT METHODS**


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
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<tr>
<th>Date</th>
<th>Main Meeting/Tech Session</th>
<th>Speaker</th>
<th>PDH</th>
<th>Location/ Special Night</th>
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<td>SUSTAINABILITY AND RESILIENCE - EXAMPLE OF COMMUNITY AND CAMPUS ENERGY ASSESSMENTS</td>
<td>CHONGHUI LIU (CL), PE</td>
<td>Yes</td>
<td>Embassy Suites</td>
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<td>Tuesday</td>
<td>Tech Session: Design and Use Of Fire Resisting Ductwork Systems as an Alternative Means and</td>
<td>Mark Harrison</td>
<td>Yes</td>
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<td>May</td>
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<td>Tuesday</td>
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<td>Research Promotion</td>
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## 2018-2019 Boston Chapter Officers

### Current Board of Governors & Chairpersons

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<tr>
<th>Position</th>
<th>Name</th>
<th>Company</th>
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<tbody>
<tr>
<td>President</td>
<td>Dan Carington</td>
<td>BR+A</td>
<td>617-925-8236</td>
<td><a href="mailto:c001@ashrae.net">c001@ashrae.net</a></td>
</tr>
<tr>
<td>Vice President</td>
<td>Deanna Adkison</td>
<td>Fitzemeyer &amp; Tocci</td>
<td>781-285-2262</td>
<td><a href="mailto:c001vp@ashrae.net">c001vp@ashrae.net</a></td>
</tr>
<tr>
<td>Secretary</td>
<td>Will Cunningham</td>
<td>BR+A</td>
<td></td>
<td><a href="mailto:c001sec@ashrae.net">c001sec@ashrae.net</a></td>
</tr>
<tr>
<td>Treasurer</td>
<td>Chris Pietrocarlo</td>
<td>BR+A</td>
<td>617-925-8322</td>
<td><a href="mailto:c001tr@ashrae.net">c001tr@ashrae.net</a></td>
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<tr>
<td>President-Elect</td>
<td>Mark Leonard</td>
<td>BR+A</td>
<td>617-925-8322</td>
<td><a href="mailto:c001pe@ashrae.net">c001pe@ashrae.net</a></td>
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<td>Board of Governors</td>
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<td>2016-2019</td>
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<tr>
<td>Darcy Carbone</td>
<td>Carbone &amp; Associates</td>
<td></td>
<td>617-957-2567</td>
<td><a href="mailto:c001bog2@ashrae.net">c001bog2@ashrae.net</a></td>
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<tr>
<td>Perla Redfern</td>
<td>Siemens</td>
<td></td>
<td></td>
<td><a href="mailto:c001bog7@ashrae.net">c001bog7@ashrae.net</a></td>
</tr>
<tr>
<td>Steve Tafone</td>
<td>Suffolk Construction</td>
<td></td>
<td>978-774-1057</td>
<td><a href="mailto:c001bog10@ashrae.net">c001bog10@ashrae.net</a></td>
</tr>
<tr>
<td>Erin Popa</td>
<td>BR+A</td>
<td>617-925-8205</td>
<td><a href="mailto:c001bog4@ashrae.net">c001bog4@ashrae.net</a></td>
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<td>2017-2020</td>
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<tr>
<td>Bob Persechini</td>
<td>NV5</td>
<td>617-345-9885</td>
<td><a href="mailto:c001bog8@ashrae.net">c001bog8@ashrae.net</a></td>
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<tr>
<td>Lance Brown</td>
<td>BVH</td>
<td></td>
<td></td>
<td><a href="mailto:c001bog5@ashrae.net">c001bog5@ashrae.net</a></td>
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<tr>
<td>Chris Pietrocarlo</td>
<td>BR+A</td>
<td>617-254-0016</td>
<td><a href="mailto:c001bog11@ashrae.net">c001bog11@ashrae.net</a></td>
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<td>William Tang</td>
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<td>2018-2021</td>
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<tr>
<td>Yuka Narisako</td>
<td>BR+A</td>
<td>617-925-8236</td>
<td><a href="mailto:c001bog12@ashrae.net">c001bog12@ashrae.net</a></td>
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<tr>
<td>Nick Roth</td>
<td>NE Applied Products</td>
<td></td>
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<td><a href="mailto:c001bog6@ashrae.net">c001bog6@ashrae.net</a></td>
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<tr>
<td>Sophia Scoon</td>
<td>Jacobs</td>
<td></td>
<td></td>
<td><a href="mailto:c001bog9@ashrae.net">c001bog9@ashrae.net</a></td>
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<tr>
<td>Doug Rothmann</td>
<td>Norman Associates</td>
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<td></td>
<td><a href="mailto:c001bog3@ashrae.net">c001bog3@ashrae.net</a></td>
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### Committees

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<th>Company</th>
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<tr>
<td>Attendance</td>
<td>Lucas Rowe</td>
<td>Accuspec Inc.</td>
<td></td>
<td><a href="mailto:c001@ashrae.net">c001@ashrae.net</a></td>
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<tr>
<td></td>
<td>Alex Gilman</td>
<td>BR+A</td>
<td></td>
<td><a href="mailto:ashraebostonattendance@outlook.com">ashraebostonattendance@outlook.com</a></td>
</tr>
<tr>
<td>Chapter Program</td>
<td>Deanna Adkison</td>
<td>Fitzemeyer &amp; Tocci</td>
<td>781-285-2262</td>
<td><a href="mailto:c001cttc@ashrae.net">c001cttc@ashrae.net</a></td>
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<tr>
<td>CRC Delegate</td>
<td>Mike Gilroy</td>
<td>BR+A</td>
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<td><a href="mailto:c001@ashrae.net">c001@ashrae.net</a></td>
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<tr>
<td>Golf Outing</td>
<td>Erin Popa</td>
<td>BR+A</td>
<td>617-925-8205</td>
<td><a href="mailto:c001bog4@ashrae.net">c001bog4@ashrae.net</a></td>
</tr>
<tr>
<td>Historian</td>
<td>Eric Edman</td>
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Other: ____________

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