MAIN MEETING

EMERGING TECHNOLOGIES NIGHT

Joint Meeting with AEE

Our April 1 meeting will be Emerging Technologies Night, and will also be our annual joint meeting with AEE. A total of ten presenters will briefly present their technologies during the meeting, and prior to the meeting we will also have the emerging technologies exhibits on the mezzanine during the networking hour (5:30 to 6:30). We have a diverse range of technologies for presentation and display that include renewables (solar, wind), distributed generation, refrigeration, low pressure drop filtering, combined heat and power, humidification, compressed air performance, process exhaust, and lighting.

For the purposes of this meeting we have adapted a very specific definition of Emerging Technology: These are technologies that are well beyond the prototype stage, commercially available, have considerable proven field use, but are not yet widely known or used. Technologies may also include advances in features, cost, or services. Commercialism will be minimized and presenters will focus on the engineering and technical content. The intent is exposure to a number of technologies that are technically sound, proven, and available for immediate beneficial use.

Earth Day - April 22

Visit [www.earthday.net](http://www.earthday.net) to find activities in your area!

DATE: Wed., April 1, 2009

MEETING MANAGER: Fran Boucher

MEETING PLACE: Doubletree, Waltham, MA

TIME:
- 5:30 - 6:30 p.m. - Emerging Technologies Show
- 6:30 - 7:15 p.m. - Dinner
- 7:15 - 8:45 p.m. - Main Program

COST: Members that RSVP $35.00
- Members that do not RSVP $45.00
- Non-Members $45.00
- Students Free

**All major credit cards are now accepted for payment**

DIRECTIONS: Rt. 128S to Winter St. Ext. (27B), head west off the exit. Turn left at the bottom of the hill onto Second Ave. Double-Tree Hotel is the first driveway on the left.

RSVP: Dan Denisi - dcd@brplusa.com - by Fri., March 27.

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.
PRESIDENT’S MESSAGE

By Jeffrey Schultz

As the Boston Chapter’s 2008-2009 fiscal year enters its final quarter, pre-planning for next year is a prudent task in order to pave the way for my successor, Officers, and Board of Governors to have a smooth transition. People and finances need to be in place for this to happen. Our finances in the next year will be dependent upon the budget which the officers and I have in place. In order for our chapter to maintain the current membership dues and dinner fees, we have had to curtail some of our spending for next year. Our new budget has successfully allowed us to maintain the status quo as far as costs to our members. A majority of our chapter funds are amassed through the Product Show which is held every other year. The next Product Show is scheduled for April, 2010. Hopefully, in 2010, we will find the same loyal support we have had in the past from our regional HVAC vendors. With this future support, the economy will have no impact on the success of our local chapter. The Product Show will be OUR Stimulus Package for 2010-2012.

We have several Committee Chairs who will be stepping down this year in order to pursue other avenues. Mr. Jim Liston, our Historian, who has done a fabulous job maintaining the history of our chapter, Mr. Dan Cooke who has been our award winning Membership Promotion Chairperson and Ms. Teri Shannon who has maintained and won awards for our monthly newsletter are all stepping down from their positions. Thus far, replacements have been found for Jim Liston and Dan Cooke. Still needed is a newsletter editor to fill the shoes of Teri, who has been doing a great job for the past four years. If there is anyone who would like to take on this task, please contact either me at JHS@brplusa.com or Teri at tshannon@dac-hvac.com.

We are looking forward to our last meeting of the year hosted by AEE at the Doubletree. This will be held on Wednesday, April 1st instead of the second Tuesday of the month. Please don’t forget to RSVP after you receive the invitation. Don’t forget our Installation Dinner in May and of course, you won’t forget about our golf outing in June.

Thank you and HAPPY SPRING!!

Jeffrey Schultz, President

Editor’s Note

By Teri Shannon

Materials for the May newsletter are due April 20th.

Employment / want ads may be submitted; they need to be in Word format. A company logo (in .gif or .jpg format) may be included. Please see website for deadlines for each issue.

For more information, please call or e-mail me at 207-985-0873 or tshannon@dac-hvac.com.

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Boston ASHRAE Chapter
Installation of Officers
Tuesday, May 12

The Boston Chapter of ASHRAE
Board of Governors & Officers
Is currently planning the annual
Installation of Officers

When: Tuesday, May 12, 2009
Where: Anthony’s Pier 4
Boston’s Historic Waterfront

Time: 5:00 - 6:00 pm Cash Bar & Appetizer Buffet
6:00 - 7:30 pm Dinner
7:30 - 8:15 pm Installation of Officers

Menu:
Clam Chowder
Glover Salad
Medium Boiled Lobster or Petit Filet
Baked Alaska
Hot Popovers

Guest Master of Ceremonies: Garry Meyers, Region 1 DRC

Look for more details in the next NorthEastAire!

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Membership Promotion

By Dan Cooke

ASHRAE has changed the process for grade advancement. To advance from associate to member, a member must first update their ASHRAE bio online by following these steps:

1. Go to www.ashrae.org and log in.
2. In Member Central, Click “Update Your Bio”.
3. Go through each of the small blue tabs to enter demographics, contact information, education, professional registration, etc.

Once these steps are completed, the member must then notify membership@ashrae.org of the updated bio, and request to be considered for grade advancement.

Effective July 1, 2009, the Affiliate grade dues will be increased to $50 annually for new Affiliate members, $70 annually for second year Affiliate members, and $90 annually for third year Affiliate members. Upon the fourth year, Affiliates advance to Associate grade as they have in the past. This dues increase is a result of the cost to provide services and cost of benefits.
MARCH MEETING RECAP

By Jeffrey Schultz

This past month, keeping up with our chapter theme of sustainability, we had a great presentation and speaker. At the meeting were 71 attendees, including four Past Presidents, 63 members, 2 non-members & 2 students members.

Our speaker of the evening was Mr. Gordon Holness, PE (ASHRAE Society’s President-Elect), who gave his presentation on “ASHARE & Building Information Modeling”. Mr. Holness’s presentation included the design and uses of BIM modeling. Mr. Holness also discussed the importance of BIM in the industry to help project coordination efforts. There were many examples of BIM drawings throughout the presentation and the attendees were allowed time for Q&A.

This meeting was approved for 1.5 PDH points for those attendees that had signed the P.I.E. form.

L to R: Jeff Schultz, Gordon Holness, Steve Rosen

Upcoming Events

- **Northeast Buildings & Facilities Management Show & Conference**
  - When: June 10 & 11, 2009
  - Where: Boston Convention & Exhibition Center, Boston
  - FMI: [www.proexpos.com](http://www.proexpos.com)

- **ASHRAE Annual Conference**
  - When: June 20 - 24, 2009
  - Where: The Galt House Hotel, Louisville, KY
  - FMI: [www.ashrae.org/events](http://www.ashrae.org/events)

- **Region 1 CRC**
  - When: August 27 - 29, 2009
  - Where: The Desmond Hotel, Albany, NY
  - FMI: [www.ashraeregion1.org](http://www.ashraeregion1.org)

If you have an event that you feel would benefit the members of Boston ASHRAE and wish to have it listed, please e-mail Teri Shannon at [tshannon@dac-hvac.com](mailto:tshannon@dac-hvac.com).
Extended Daylight Saving Time Saves Energy, Says DOE

People throughout most of the United States set their clocks ahead by one hour for the start of Daylight Saving Time, marking the third year in a row that Daylight Saving Time started three to four weeks early. The Energy Policy Act of 2005 shifted the start of Daylight Saving Time to the second Sunday in March, rather than the first Sunday in April, and extended it through the first Sunday in November, rather than the last Sunday in October. The shift started in 2007, and the intent was to save energy allowing people to take advantage of additional daylight in the evening.

Although some people argued that the increased use of lighting in the morning could easily cancel out the gains in the evening, the data suggest otherwise. A DOE report released last year found that U.S. electricity use was decreased by 0.5% for each day of the extended Daylight Saving Time, resulting in a savings of 0.03% for the year as a whole. The savings are small in percentage terms, but in absolute terms, they added up to 1.3 billion kilowatt-hours, enough to power about 122,000 average U.S. homes for a year. The DOE report did find small increases in electricity use in the early morning hours, but those increases were more than cancelled out by the energy savings in the evening. The shift was also found to have no effect on traffic volume and gasoline consumption. See the DOE report (http://www1.eere.energy.gov/ba/pba/pdfs/epact_sec_110_edst_report_to_congress_2008.pdf).

Source: ASHRAE’s Government Affairs

ATTENDANCE

The Boston Chapter of ASHRAE - March 09 Meeting
Had 71 in attendance:

- 67 ASHRAE Members
- 2 Non Members
- 2 Students

Research Promotion

By Steve Rosen

We would like our Boston Chapter to donate $19,280 for ASHRAE Research this year to match our goal. This goal has been set for us based on our membership of 914 dues paying members. If each member would contribute $21.09, then we have satisfied our obligation!

Our Region is down 26% compared to last year at this time!

Make a donation for yourself or from your company. Make a donation to honor someone in your life or in memory of someone who was in your life.

Please fill out the form in this newsletter and mail it to me with whatever contribution you can make or please go to the ASHRAE Boston website at www.ashraeboston.org. Click on the Donation Form under Research & Promotion. Credit card payments can also be made when you’re on the ASHRAE website by using this link: https://www.ashrae.org/aboutus/resource_promotion.asp

Since its inception, ASHRAE has conducted research to advance the arts and sciences of HVAC&R and allied disciplines for the benefit of the general public. Today, ASHRAE funds over $2 million in research annually.

Your ASHRAE Boston Chapter RP team will be contacting past donors this month to please ask you to donate again this year. I ask you to again demonstrate your commitment to ASHRAE Research!

There is also a Matching Gifts Program that is now ongoing until May 8. Trane, Johnson Controls, Chapman Company and Autodesk are all RP leaders, and will match your personal contribution. Trane, Chapman and Autodesk match 100% of your gift; Johnson Controls matches 50%.

Please make your contributions by May 8. You may contribute online at www.ashrae.org/contribute, or by contacting me at steven.rosen@autodesk.com.

As always, your generosity is greatly appreciated and will be recognized in the NorthEastAire throughout the year.

Thanks,

Steve
Student Activities

By Joshua Benoist

We received a report from our MIT Student Chapter that four students attended the Chicago winter meeting. With the funds provided by our chapter, they secured airfare and accommodations. It was the first national meeting for each of them and they were very pleased with the experience. Two of the four are involved in preparing ASHRAE papers and it was good for them to hear a number of presentations and meet experts at technical committee meetings and the tradeshow.

Our students very much appreciate the financial support that our Boston Chapter provides.

We want to thank all of our Students that attend our meetings. It’s a great opportunity for you to get to know our industry, to learn about industry issues and to network. It’s also a great opportunity for us to meet you and share our knowledge and passion for the industry. If you were to ask any one of us why we got started in the business, you would receive a diverse range of answers. I suspect that many of us enjoy the thought that we can point to a building and say to our children or peers, I helped design and build that. Some would say with pride, our designs help our buildings be more energy efficient. We have a direct responsibility and role in minimizing the energy and global warming crisis.

So speaking of responsibility, don't forget we have a responsibility to mentor, to pass on our knowledge, and just as important, to generate passion. We cannot succeed if there is no interest in our industry. How many of us, thinking back when we were younger, said we want to grow up to be an HVAC engineer? Probably not many, but someone or something pulled us into the industry and inspired us to stay here. Who else is going to do that for the next generation but you, and ASHRAE.

A note to our members - we have students that have contacted us looking for help finding summer intern or co-op positions. If you know of an opportunity for these students, please contact me.

If you want more information or wish to volunteer, please feel free to contact us at Joshua.Benoist@Autodesk.com.

Please spread the word!

SOCIETY NEWS

Registration Open for April 22nd IAQ Satellite Broadcast/Webcast

Registration is now open at www.ashrae.org/iaqbroadcast for the free April 22, 2009, satellite broadcast and Webcast, “Clean, Lean, and Green – IAQ for Sustainable Buildings.” This free broadcast/webcast is sponsored by ASHRAE’s Chapter Technology Transfer Committee with support from the U.S. Environmental Protection Agency.

Three (3) PDH credits or (3) AIA Learning Units (LU’s) may be granted to those who view the program and then complete the Participant Reaction Form online by April 30, 2009. One hundred (100) PAOE points may be claimed by chapters who view the program.

An electronic flyer for download is available at http://listman.ashrae.org/t/5519001/9742431/449/0/ to assist chapters with promotion of the broadcast program. If you have questions, call (678) 539-1206 or email ashrae-SatelliteBroadcast@ashrae.org.

ASHRAE Launches Commissioning Certification Program

Just as the commissioning process helps buildings and their systems operate optimally, ASHRAE’s newest certification recognizes those with optimal knowledge of the entire building commissioning process. The program is ideal for individuals given a commissioning role who may not have a building HVAC&R background.

ASHRAE’s Commissioning Process Management Professional launches in June at the Society’s 2009 Annual Conference in Louisville, Ky. The program helps building owners, developers, operators and others recognize individuals capable of assuring that building systems and equipment are designed, installed, tested, operated and maintained according to their operational needs.

Developed with input from APPA, BCA, IESNA, NEBB, SMACNA, TABB and the University of Wisconsin-Madison, the program is the fourth in ASHRAE’s suite of certification offerings. The others focus on healthcare design, high-performance building design, and operation and maintenance.

Individuals must meet certain eligibility qualifications to take the exam. For more information, an exam content outline and available resources for exam preparation, please visit www.ashrae.org/certification. The fee for the exam is $207.50 before June 5 ($147, ASHRAE members).
HEATING HISTORY UPDATE

Back in the November ‘08 Historian column, I had mentioned that the Boston Chapter received a “Piece of Heating History” from RDK Engineers. This month, I’d like to provide an update on the progress the Chapter has made in having a copy produced for inclusion in our archives. We utilized state of the art technology to preserve the pages of this historically significant document. In addition, I’ve included a small sample of some of the information contained in the many pages of the handbook.

A multiple step process was utilized to copy the 86 pages (77 single leaf pages and 9 fold-out pages). First, each page was digitally scanned using a high resolution scanner, generating very large .JPEG files, some of which were over 50 MB. Next, the files were reduced to a more manageable size (approximately 3 MB) which is more than sufficient to allow printing at 1200 DPI format. A fine art print paper stock was selected that very closely matches the linen-style blueprint paper of the original pages. The printer utilized archive quality ink formulated to last 100 years. As you can see from the example below, the results are pretty impressive. As an added bonus, the digital scanning process provided us with a high-resolution digital image of each page of the handbook, all of which have been transferred to a DVD and will be included in the Chapter archives. This will allow for future viewing and reproduction of pages without compromising the integrity of our reproduced hard-copy.

If you carefully examine the attached Page #52 from the handbook, you’ll see that commissioning heating systems is not a new fad, engineers have in fact been doing it for over 100 years (note the date: Dec. 27,1907). The information contained on this page gave our engineering predecessors a guideline for testing heating systems under non-design conditions, so that they would have a reasonable certainty that the heating system would adequately heat the building when outside winter design conditions occurred.
ASHRAE Region I 2008-09 Executive Committee & Society Contacts

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212-951-2815
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(Position Vacant)

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**Area Attractions**

- New York State Museum
- Saratoga Thoroughbred Racing Track
- Saratoga Gaming & Harness Track
- U.S.S. Slater WWII Destroyer
- Half Moon historic sailing ship
- Historic Shaker Village
- Historic Downtown Saratoga
- Lark Street / Pearl Street Club Districts
- Adirondack Mtn. Region
- Historic Saratoga Spa
- Ft. William Henry/Lake George
- Saratoga Battlefield National Park
- Albany Aqua Duck Tours
- Hudson River Cruise

**CRC 2009 Conference Agenda**

**Thursday, August 27**
- All Day: Registration
- 9:30am-10am: Golf
- 10:30am-11:30am: Tech Session I: Steam Theory and Application
- 11:30am-12:30pm: Tech Session II: Nanotechnology
- 12:30pm-1:30pm: Welcome & Key Business Meeting
- 1:30pm-2:30pm: Welcome Reception
- 3:00pm-5:00pm: Hospitality Suite Open

**Friday, August 28**
- All Day: Registration
- All Day: Hospitality Suite Open
- 7:30am-9:30am: Breakfast
- 9:30am-10:30am: Saratoga Outing for Companions
- 10:30am-11:30am: Chapter off Workshop
- 11:30am-12:30pm: Lunch with Distinguished Lecturer
- 12:30pm-1:30pm: Executive Session
- 1:30pm-2:30pm: President’s Dinner
- 8:00pm: Casino Night

**Saturday, August 29**
- 7:30am-10:00am: Registration
- 9:00am-10:30am: Breakfast
- 8:00am-10:30am: and Business Meeting
- 11:00am-12:00pm: Aqua Duck Tour for Companions
- 12:30pm-1:30pm: Workshops
- 1:30pm-2:30pm: Awards Luncheon
- 4:30pm-5:30pm: 3rd Business Meeting

**Welcome Reception**

**Thursday, August 27th at 7 pm**

The Desmond

Hotel & Conference Center

**Registration Form**

[Blank form with options for full package, companion package, etc.]

**Please Join us for**

Hors d’oeuvres!

Drinks!

Good Times!

For further information please contact:
Stas Werthoff, CRC General Chair
Usilux Advanced Manufacturing
518-314-7200
swerthoff@usilux.com

**2009 Conference & Exhibit Program**

June 16 – 18, 2009

ASHRAE Northeast Chapter

PO Box 12345

Albany, NY 12345
What’s New in our Chapter

By Pat Duffy

Meeting Minutes of the Board of Governor’s
March 10, 2009 Meeting

Below is a quick summary of what was discussed:

This Year’s Meetings
Anyone interested in seeing what the remainder of the 2009 season has in store, please check out the Events Calendar on the Chapter Website for additional information. All Board of Governor’s meetings are going to remain at 4:30pm the day of the meeting. The installation of officers meeting in May will be held at Pier 4 on the waterfront in Boston once again this year.

Chapter Website
The Chapter’s website is updated monthly to help keep chapter members up to date on chapter news and events. If your company would like to place an ad on the website, it can for the ad price of $300.

Chapter Positions for Next Year
If you are interested in getting involved with the chapter we are currently looking to fill several positions. Contact one of the officers to express interest.

Membership
Our Membership Chair wanted to remind all members to make sure their dues are paid up in full. Unsure as to whether you are up-to-date or not? Please be sure to check Society’s website www.ashrae.org or contact our Membership Chairperson Dan Cooke for more membership information.

See you at the next meeting!

Webmaster’s Note

By Steve Rosen

The Boston Chapter for ASHRAE has launched its redesigned website at www.ASHRAEBoston.org. We will be keeping the site current with information; you can also view our award winning newsletter, the NorthEastAire! Look for new features and photos every month!

This year we will continue to post past meeting presentations for our members to review, our Chapter is continuing our efforts to reduce waste by eliminating or greatly reducing printed handouts at our meetings.

Please email the Webmaster directly from the site with any site improvement ideas or news or events to be published to the web.

Attention Members:

Just a reminder that all members that reserve a spot for the monthly meeting will be responsible for that reserved space. Members have until 12:00 pm the day of the RSVP deadline to cancel their meeting reservation. Failure to comply with this rule will result in the attendee being responsible for the payment of that reservation.

ASHRAE Boston Chapter Officers

President Award of Excellence

Boston Chapter - 2008 - 2009

<table>
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<th>Chapter Members</th>
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<th>Student Activities Points</th>
<th>Research Promotion Points</th>
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Annual Golf Outing

The Boston Chapter is planning the 44th Annual Golf Outing and Banquet, to be held at the Country Club at Halifax, in Halifax, MA, on **MONDAY, JUNE 1, 2009**.

We are appealing to your continued generosity for monetary contributions for the purpose of purchasing gifts to be awarded as golf and door prizes. In order to give the Prize Committee ample time to purchase these gifts, we would appreciate receiving your donations by **May 15, 2009**.

A donation of fifty dollars would be most welcome and more would be great appreciated! All donations will be publicly acknowledged by being published in the NorthEastAir bulletin.

We also welcome Hole Sponsorship. If you are interested in participating, please return the completed form (found on page 10 of the newsletter) with your contribution.

Please make check payable to A.S.H.R.A.E., Boston Chapter, and mail to:

**A.S.H.R.A.E. Golf Outing Committee**

c/o Bill Garvey, WSP Flack + Kurtz
88 Black Falcon Ave., Suite 210
Boston, MA 02210

Very truly yours,
ASHRAE Golf Outing Committee
Bill Garvey, Chairman
44th ANNUAL ASHRAE
BOSTON CHAPTER GOLF OUTING

Date: MONDAY, JUNE 1, 2009

Place: COUNTRY CLUB OF HALIFAX, Halifax, Massachusetts
        POQUOY BROOK GOLF COURSE, Lakeville, Massachusetts

Who: ASHRAE members and guests, by reservation only. Tickets will be sold on a first-come, first-serve basis, and all reservations MUST BE MADE BY MAY 15, 2009.

Price: $130.00—NO TICKET SALES AT THE DOOR
        This includes greens fees, electric carts, cheese table for cocktail hour, and five course dinner. Prizes for everyone plus golf prizes.

Halifax
Tee Time: We will have a shot gun start. Two foursomes (total of 8) will drive their carts out to their pre-assigned tee (on Par 3 tees, only one foursome will tee off). Eighteen foursomes will tee off at the same time, 1:00 PM sharp. It is important that you be there ahead of time. The format this year has been changed to a Bramble Format. A Bramble starts off like a Scramble where each team member tees off and the best drive is selected. However, in a Bramble, after the best drive is selected, all team members from that point on will play their own ball, stroke-play style, until each team member has holed out. Each team member must use (2) of the drives during course play.

Poquoy Brook: Because we sell out every year, any overflow will play at Poquoy Brook in Lakeville. This will be either shot gun or tee times, depending on how many foursomes are registered by May 6th. If tee times, they would be 9:30 AM to 12:45 PM.

We need to know the foursomes as soon as possible and recommend that you call immediately for reservations, even if you do not have all the names of those in your group. Contact Bill Garvey (Phone: 617-210-1711 or Fax: 617-210-1800). IMPORTANT: Need the sizes of those in your foursome.

Dinner Only: A separate meal ticket may be purchased for those who do not play golf. Cost is $35.00.

Note: All courses require that we follow course rules: Proper dress code—No jeans, tank tops, bathing suits. No metal spikes. You are responsible for the golf carts you drive.

Lunch: Dutch treat from regular luncheon menu. ARRIVE EARLY.

Happy Hour: 6:30 PM to 7:00 PM—Dutch treat in Club House.

Dinner: 7:00 PM - Complete roast beef dinner, beverage and dessert.

Prizes: Prizes will be given out at check-in time for each foursome, and we want everyone to have a good time! Please support our need for donations.

Make checks payable to A.S.H.R.A.E. Boston Chapter

Enclosed is check for $_________ for _______ Golf Outing, reservations, including dinner @ $130.00 each.
        _______ Dinner only reservations @ $35.00 each

Name: ____________________________________________  Address: _________________________________________

Phone: ________________________       Fax: __________________________    E-Mail: _________________________________

Shirt sizes:    Men/Quantity:  S ____   M ____  L ____   XL ____   XXL ____   XXXL ____
        Women/Quantity:  S ____   M ____   L ____   XL ____   XXL ____   XXXL ____
HOLE SPONSORSHIPS

($200 EACH)
HOLE SPONSORSHIPS WILL INCLUDE A SIGN ON A HOLE

CONTEST HOLES:
($500 EACH)

CONTEST HOLE SPONSORSHIPS:
1. LONGEST DRIVE
2. CLOSEST TO THE PIN
3. STRAIGHTEST DRIVE

HOLE SPONSORSHIP ________________________________________________________________

CONTEST HOLE SPONSORSHIP _____________________________________________________

INDIVIDUAL SPONSORSHIP _______________________________________________________

MAKE CHECKS PAYABLE TO A.S.H.R.A.E. BOSTON CHAPTER

Mail to: Bill Garvey @ WSP Flack + Kurtz
88 Black Falcon Ave., Suite 210
Boston, MA 02210

NAME: __________________________________________________________________

ADDRESS: _______________________________________________________________

_______________________________________________________________

PHONE: ____________________________________

E-MAIL: __________________________________________________________________
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<td>Doubletree - Waltham</td>
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<td>David Bearg, P.E., Life Energy Associates</td>
<td>1.5 PDH’s</td>
<td>Jeff Schultz</td>
<td>Doubletree - Waltham</td>
</tr>
<tr>
<td>Tuesday, October 14, 2008</td>
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<td>Approved</td>
<td><a href="mailto:jhs@brplusa.com">jhs@brplusa.com</a></td>
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<tr>
<td>November</td>
<td>Sustainable Design for Kitchen Ventilation</td>
<td>Olaf Zwickau, Air Solutions &amp; Balancing</td>
<td>1.5 PDH’s</td>
<td>Enrique de los Reyes</td>
<td>National Grid - Waltham</td>
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<tr>
<td>Tuesday, November 11, 2008</td>
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<td><a href="mailto:er@energysystemsdesign.com">er@energysystemsdesign.com</a></td>
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<td>December</td>
<td>Underfloor Air Distribution Systems</td>
<td>Steve Tafone, P.E., William A. Berry &amp; Son</td>
<td>1.5 PDH’s</td>
<td>Steve Tafone</td>
<td>Doubletree - Waltham</td>
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<tr>
<td>Tuesday, December 9, 2008</td>
<td></td>
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<td><a href="mailto:stafone@berry.com">stafone@berry.com</a></td>
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<tr>
<td>January</td>
<td>Green Maintenance Needed to Keep HVAC Systems Green</td>
<td>Robert G. Baker</td>
<td>1.5 PDH’s</td>
<td>Steve Nicholas</td>
<td>Doubletree - Waltham</td>
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<tr>
<td>Tuesday, January 13, 2009</td>
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<td>Approved</td>
<td><a href="mailto:snicholas@airinds.com">snicholas@airinds.com</a></td>
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<td>February</td>
<td>Radiant Cooling / Chilled Beams</td>
<td>Ken Loudermilk, Trox</td>
<td>1.5 PDH’s</td>
<td>Enrique de los Reyes</td>
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<td>Tuesday, February 10, 2009</td>
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<td><a href="mailto:er@energysystemsdesign.com">er@energysystemsdesign.com</a></td>
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<td>Additional Morning Mtg! Wednesday, February 25</td>
<td>Transpired Solar Collectors</td>
<td>Pat Will, DAC Sales</td>
<td>1.5 PDH’s</td>
<td>Teri Shannon</td>
<td>National Grid - Waltham</td>
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<tr>
<td>March</td>
<td>ASHRAE &amp; Building Information Modeling</td>
<td>Gordon Holness, P.E., President-Elect ASHRAE</td>
<td>1.5 PDH’s</td>
<td>Steve Rosen</td>
<td>Doubletree - Waltham</td>
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<td>Approved</td>
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<tr>
<td>April</td>
<td>Emerging Technologies</td>
<td>Various Presenters</td>
<td>N/A</td>
<td>Fran Boucher</td>
<td>Doubletree - Waltham</td>
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<tr>
<td>Wednesday, April 1, 2009</td>
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<td><a href="mailto:francis.boucher@us.ngrid.com">francis.boucher@us.ngrid.com</a></td>
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<tr>
<td>May</td>
<td>Installation of Officers</td>
<td>N/A</td>
<td>N/A</td>
<td>Bryan Hermanny</td>
<td>Anthony’s Pier 4 - Boston</td>
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<td>Tuesday, May 12, 2009</td>
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<td><a href="mailto:bnmh@brplusa.com">bnmh@brplusa.com</a></td>
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<td>June</td>
<td>Golf Outing</td>
<td>N/A</td>
<td>N/A</td>
<td>Bill Garvey</td>
<td>Poquoy &amp; Halifax Country Clubs</td>
</tr>
<tr>
<td>Monday, June 1, 2009</td>
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<td><a href="mailto:william.garvey@wspfk.com">william.garvey@wspfk.com</a></td>
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TEL: _____________________________________________________

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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.

NorthEastAire

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