Installation of Officers Dinner

Tuesday, May 11, 2010

Garry Meyers will be installing the officers & BOG members this year.

Dinner:
- Boston Harbor Clambake
- Classic New England clam chowder
- 1lb Lobsters w/ butter
- BBQ Chicken
- Corn on the cob
- Baked Potato
- Cole Slaw
- Rolls & Butter
- Chilled Watermelon Wedges

Dessert:
- Coffee & Tea
- Assorted Cookies
- Make your own Strawberry Shortcake

Boarding Time: 5:00 PM
Departure Time: 5:30 PM
Cruise Time: 5:30 PM ~8:30 PM
M/V Seaport Belle will be docked at Rowes Wharf
(Mass Bay Cruise Lines)

$45 for Members & Non-Members
(No walk-in allowed, must have an RSVP)
“Cash Bar”

Please visit http://www.massbaylines.com/fleet.html for more information.
RSVP via email at dcd@brplusa.com by May 7th
and contact Bill Garvey for any questions.

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.
Our April Product Show was a hit! The show took place at The Lantana's in Randolph, MA on April 13th and it was a sold out show. The Product Show seminars were well attended, and all were PDH accredited. The Product Show itself had 600+ in attendance throughout the day, giving many engineers a great opportunity to see what the field has to offer, and everyone seemed to thoroughly enjoy the show, and we're glad to see to that even in today's economy, we are able to round everyone up to showcase what our industry has to offer.

Our next meeting is the May Installation of Officers. Our meeting will take place on board the M/V Seaport Belle (Mass Bay Cruise Lines) and will be a great time. This is where we get an opportunity to present awards to the volunteers for their hard work and efforts and celebrate as we welcome the 2010-2011 season volunteers & leaders into the mix.

Also during the May Installation of Officers, we are planning on announcing the winners of the 1st installment of The Boston Chapter Hall of Fame. We will present the winners with their plaques at our October 2010 meeting, giving the recipients their proper due.

The result of the Installation of Officers means that I will be handing off the torch to Bill Garvey. I have no doubt that he will maintain the excellent status of the Boston Chapter. We will surely continue to provide an excellent educational program for all of our members throughout the 2010-2011 season.

As my tenure as President of the Boston Chapter comes to a close, I realize that it has certainly gone by faster than I thought it would. It has been an honor to serve as President of one of the finest ASHRAE Chapters in the nation. But with all leaders in any industry, it comes with help from great people. I'd like to take an opportunity to thank the Chapter Officers, Bill Garvey, Patrick Duffy, and Steve Nicholas, along with everyone else who volunteered their time to the Boston Chapter for helping out with everything along the way. We couldn't have had a successful season such as this past one if it weren't for their hard work and dedication.

See you at the Installation!

*Bryan Hermanny, President*

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**Editor’s Note**

_by Stacie Suh_

Happy Mother’s Day!

Materials for the June newsletter are due on May 21.

Please submit employment / want ads in Word format. A company logo (in .gif or .jpg format) can be included. Please refer to page 10 for rates and go to Boston Chapter website for deadlines for each issue.

For more information, please call or e-mail me at 781-258-1002 or Stacie@stebbinsduffy.com.

You can also visit the Boston Chapter website at http://www.ashraeboston.org/committees/northeastaire.html

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**PDH CREDITS REMINDER**

Effective September 2009, there will be a $15 fee for each PDH certificate provided at our Chapter meetings for non-Chapter members. PDH credits will continue to be offered to our Chapter members at no cost. Please note that this fee will be in addition to the regular meeting dues.

*Note: PDH certificate fee will be waived for April Product show.*

Sincerely,
Boston Chapter

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**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 900.

**Newsletter Rate:**
- $200 for 1/4 page
- $400 for 1/2 page
- $800 for full page

**Website Rate:**
- $300 per calendar month

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

**Email:**
- Stacie Suh at Stacie@Stebbinsduffy.com

**Deadline for June Newsletter:**
- May 21, 2010
The TA Hydronic College is coming to Boston to present
“The Three Hydronic Conditions”

Tour & Andersson, a worldwide leader in hydronic systems engineering for over 100 years, is proud to present our popular seminar series to consulting engineers in the US, covering:

- The three key conditions necessary for hydronic control
- Relating typical symptoms to system faults
- Balancing to ensure optimum indoor climate

Join us May 25 at Gillette Stadium in Foxborough. The seminar is free. Attendees will receive attendance certificate for PDH, complimentary dinner and refreshments, and the book “Total Hydronic Balancing” by Robert Petitjean.

Register now at www.TAHydronicCollege.com

Established in 1923, we are a Manufacturer’s Representative firm covering Upstate New York and all of New England with product lines specializing in Steam Specialties, HVAC Energy products, and Industrial Process Controls.

We are currently seeking an outside salesperson to cover an established territory in Massachusetts working with present sales personnel.

- Individual will be responsible for operating their sales territory in a manner consistent with general business management principles to yield profitable sales and sales growth.
- Responsibilities also require the candidate to meet or exceed annual sales, profit margin goals, and work towards developing all customers as repeat customers.
- The ideal candidate will have a minimum of 5 years of experience with heat transfer equipment, controls and instrumentation, and metering products applied in HVAC and process applications.

Strong business to business selling skills are essential, as they greatly enhance the ability to reach key decision makers through whom an increased market share for new and existing products and services can be developed; We believe the following competencies are critical to success – strong Customer Focus, ability to Communicate at all levels, positive Impact where confidence is demonstrated while commanding attention and respect, Organizational and Planning skills, Leadership, High Energy and strong Presentation skills. A Strong understanding of Steam systems is a big plus.

Requirements
To be successful, we believe the following experience and/or education is required:

Desired but not required:
- A BS or Associate degree in Engineering or a related field; and three to five years experience selling a technical or industrial related product line; or equivalent combination of education and experience.
- Proficiency in HVAC utility applications and heat transfer.
- Proficiency in the field of instrumentation related to controls.
- Five years proven track record in business-to-business selling experience with an emphasis in new account sales.
- Proficiency in Microsoft Office.

Benefits Package Includes:
HSA, Dental/Vision Insurance, Long Term Disability, Profit Sharing & 401K, Expense Account
Please forward your resume to: Cindil@RL-Stone.com
IN COLLABORATION WITH WORLDWIDE GOVERNMENT AND INDUSTRY ORGANIZATIONS, THE GREEN GRID ADVANCES GLOBAL HARMONIZATION OF DATA CENTER ENERGY EFFICIENCY METRICS

Consortium Creates EPA ENERGY STAR Program Management Office; Demonstrates Ongoing Momentum as Recipient of Brandon Hall Excellence in Learning Award

Portland, OR – April 5, 2010 – The Green Grid, the IT industry’s leading voice for advancing energy efficiency in data centers, today announced that in an unprecedented global effort, the consortium along with the U.S. Department of Energy’s Save Now and Federal Energy Management Programs, U.S. Environmental Protection Agency’s (EPA) ENERGY STAR Program, European Union Code of Conduct, Japan Ministry of Economy, Trade and Industry’s (METI) Green IT Initiative, and Japan’s Green IT Promotion Council (GIPC) have collectively reached an agreement on the guiding principles of data center energy efficiency metrics. This agreement represents a significant achievement, as these organizations continue working to ensure data center efficiency metrics, measurements and reporting conventions can be applied with clarity and consistency at the global level. “The ultimate goal is to create a set of globally accepted metrics for data center energy efficiency. One of the first, and perhaps most important factors to successfully achieving this aim is establishing a unity of communication,” said Tom Brey, IBM representative and Secretary of The Green Grid. “The Green Grid is working with organizations around the world to develop a clear and well-defined language for the way we communicate about energy efficiency metrics, which will give us a common measuring stick for all data centers regardless of their location. With that type of consistency, we can start driving behavioral changes in the industry.” As the basis for these guiding principles, The Green Grid and the aforementioned organizations have designated Power Usage Effectiveness (PUE) as the industry’s preferred energy efficiency metric. The group will leverage the guiding principles to help drive a universal understanding of energy efficiency metrics and generate dialogue to improve data center efficiencies. A global task force with representatives from each of the above mentioned organizations will continue to move this initiative forward and reconvene later this year to evaluate progress.

The Green Grid Establishes EPA ENERGY STAR Program Management Office
In support of the U.S. EPA’s ongoing efforts to reduce energy consumption in servers, storage devices and data centers as a whole, The Green Grid today announced that it has established an EPA ENERGY STAR Program Management Office. This office, headed by members of The Green Grid’s Board of Directors, aims to position the consortium as a trusted technical advisor to the U.S. EPA’s ENERGY STAR program. The Green Grid supports the EPA in its efforts to lead IT industry collaboration in the development of ENERGY STAR efforts, including standards for servers, storage, UPS and data center systems and related component level equipment.

The Green Grid Receives Brandon Hall Excellence in Learning Award
In recognition of its successful endeavor to educate the industry on data center efficiency, The Green Grid’s “Measures and Metrics” online course has received the Brandon Hall Excellence in Learning Awards’ Silver Medal. This prestigious award, recognizing exceptional work in the use of learning technology, is presented annually by Brandon Hall Research, a leading training and development firm. The “Measures and Metrics” custom course, offered through The Green Grid Academy, is designed for data center managers and features 3D avatars that guide viewers through a virtual data center environment, while presenting ways to effectively measure energy consumption and improve energy efficiency. The course was selected as the silver medal winner based on the strength of its content, effective navigation and engaging interactive elements.

About The Green Grid
The Green Grid is a global consortium of companies, government agencies and educational institutions dedicated to advancing energy efficiency in data centers. The Green Grid does not endorse vendor specific products or solutions, and instead seeks to provide industry-wide recommendations on best practices, metrics and technologies that will improve overall data center energy efficiencies. Membership is open to organizations interested in data center operational efficiency at the Contributor, General or Associate member level. Additional information is available at www.thegreengrid.org.

Media Contact: Brandon Brunson / Porter Novelli/ Brandon.Brunson@porternovelli.com
On behalf of the ASHRAE Boston Chapter, we wish to thank our student chapters and the students for attending and for the wonderful presentations at the recent Product Show. The student’s presentation was very informative and it gave our Chapter Members insight into what the students are working on in school. It was a great opportunity to meet the students and we were glad they were able to attend the product show. We also want to thank our faculty advisors for assisting the students and enabling them to become successful engineers.

The Boston Chapter was pleased to present to the participating Student Branches with an award for the competition. The award was mailed to the faculty advisors.

We would like to thank the Massasoit Community College students for the hard work and assistance at the product show. The Chapter and the vendors are very grateful for the students’ support helping them set up for the show, we really appreciate all of their efforts. We still have ASHRAE tee shirts if any student wants a shirt.

If any student chapter wants or is in need of a speaker at a student chapter meeting, please let me know and we will set something up.

We have more great news! A few months ago, we were contacted by students at Northeastern University. We have been working with the students to get the necessary information to start a new student chapter. This information has now been submitted to the ASHRAE headquarters for vote over the summer. We expect to be presenting this new student chapter with their banner, a check and by-laws at our October meeting this fall.

We will be forming a local YEA group. YEA stands for Young Engineers in ASHRAE. Our goal is to enable engineers age 35 and under to network with each other and with the older members in our society. ASHRAE is an aging society and we aim to engage our younger engineers, allow them to integrate and get to know the chapter at large, and to enable them to become involved in the society at all levels. The YEA group picks up where our student chapters leave off. So as a student graduates and becomes an engineer, we hope they stay involved in ASHRAE and YEA is a resource there to help them in that transition. We are currently looking to plan some social activities to bring Students, YEA members and older members together and can use your help.

The Boston Chapter is looking to expand the student activities committee. We need more champions and our children really are our future!!!

We are looking for volunteers to speak at our existing student chapters.

Please feel free to contact us at Joshua.Benoist@Autodesk.com.

### Student Activities

By Joshua Benoist

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#### The Green Roundtable/ NEXUS UP Incoming EVENTS

Visit [www.nexusboston.org/events](http://www.nexusboston.org/events) for more information. All event location is at 38 Chauncy St, 7th Fl., Boston, MA 02111

**NEXUS Exhibitor Showcase:**
- **The Existing Building Challenge**
  - When: May 6, 2010 (4:00–7:00 PM)
- **Integrating Single Ply Vegetative Roofing System:**
  - **New Technology & Lessons learned**
    - When: May 12, 2010 (12:30–2:00 PM)
- **Massachusetts Commercial Energy Code—Boston**
  - When: May 13, 2010 (8:30AM–1:00 PM)
- **Integrating Cycle Tracks:**
  - **A Design Charette for Greener Cities**
    - When: May 18, 2010 (7:00PM–9:00PM)
- **Case Study:**
  - **James Hall, A Greener Home for Greener Sciences**
    - When: May 19, 2010 (12:30PM to 2:00PM)

#### AEE New England UP Incoming EVENTS

Visit [http://www.aeenewengland.org/future_events.html](http://www.aeenewengland.org/future_events.html) for more information.

**Emerging Technologies**
- When: May 5, 2010

**5th Annual Northeast Buildings & Facilities Management Show & Conference**
- When: June 9 & 10, 2010
- Where: Boston Convention & Exhibition Center, Hall B2
- FMI: www.Nebfm.com

**Golf Outing**
- When: June 23, 2010

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UP COMING EVENTS

**Boston Chapter Installation Dinner**
- When: May 11, 2010
- Where: M/V Seaport Belle (Mass Bay Cruise Line)

**Boston Chapter Annual Golf Outing**
- When: June 7, 2010
- Where: Country Club at Halifax, Halifax, MA
- FMI: Contact Bill Garvey @ william.garvey@wspfk.com

**ASHRAE 2010 Annual Conference**
- When: June 26–30, 2010
- Where: Albuquerque, New Mexico
- FMI: [http://www.ashrae.org/events/page/2473](http://www.ashrae.org/events/page/2473)

**Chapter Regional Conference 2010**
- When: August 19–21, 2010
- Where: Watkins Glen, NY
- FMI: [http://www.ashraeregion1.org/CRC%202010.htm](http://www.ashraeregion1.org/CRC%202010.htm)

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- When: June 23, 2010
Research Promotion

By Jeff Schultz

Below, please find a list of currently active or recently completed research projects and grants. The list was taken from www.ashrae.org. These projects and grants were awarded within Region 1 during the summer of 2009. The Boston chapter is a member chapter of Region 1. Last year, we as an individual members, non-members and companies contributed $15,793.00. This amount represents a shortage of our goal which was $19,280.00 which had been assigned to the Boston chapter by Region 1. The grand total of Boston along with the other fourteen chapters in our region was $143,489.00. If you look at the $696,873.00 given to researchers and students in Region 1 alone, it is a no brainer that New England gets back almost five times the money it contributes. Over $200,000.00 comes back to the Boston area alone. Let's continue to stimulate research! Please contribute to Research/ Promotion.

<table>
<thead>
<tr>
<th>Cost</th>
<th>Research Title or Subject</th>
<th>Contractor</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>$199,186.00</td>
<td>Development of an ASHRAE Design Manual for District Heating and Cooling Systems</td>
<td>GWA RESEARCH - LYME, NH</td>
<td></td>
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<tr>
<td>$147,687.00</td>
<td>Develop a Radiant System Module for the Simulation and Analysis of Spaces and Systems</td>
<td>WRIGHTSOFT CORP -LEXINGTON, MA</td>
<td></td>
</tr>
<tr>
<td>$160,000.00</td>
<td>Energy Efficiency and Cost Assessment of Humidity Control Options for residential Buildings</td>
<td>BLDG SCIENCE CORP - SOMERVILLE, MA</td>
<td></td>
</tr>
<tr>
<td>$150,000.00</td>
<td>Measuring Air-tightness of Mid- and High-rise Non-residential Buildings</td>
<td>WISS, JANNEY, ELSTNER ASSOCIATES, INC.</td>
<td>New</td>
</tr>
<tr>
<td>$10,000.00</td>
<td>Experimental Evaluation and Modeling of Sorbent-Based Gas-Phase Air Cleaners</td>
<td>SYRACUSE UNIV. - Lingjing Pei</td>
<td>Graduate Student Grant-in-Aid</td>
</tr>
<tr>
<td>$10,000.00</td>
<td>Emission Characteristics of Office Furniture and Modeling of Multi-Layer Assembly in Office Workstation Systems</td>
<td>SYRACUSE UNIV. - Jing Xu</td>
<td>Graduate Student Grant-in-Aid</td>
</tr>
<tr>
<td>$10,000.00</td>
<td>Development of a Simulation and Knowledge-based Expert System for Integrated Building Environmental System Design, Analysis and Optimization</td>
<td>SYRACUSE UNIV-Wei Feng</td>
<td>Graduate Student Grant-in-Aid</td>
</tr>
<tr>
<td>$10,000.00</td>
<td>Integrated Testing and Modeling Approach for Evaluation of Performance of Building Enclosure in Specified Climate and Service Conditions</td>
<td>SYRACUSE UNIV.-Thomas Thorsell</td>
<td>Graduate Student Grant-in-Aid</td>
</tr>
</tbody>
</table>

$696,873.00

Did you know that 100% of your tax deductible contribution given for research goes directly to research? All administrative costs that are incurred come from other ASHRAE funding. So what are you waiting for? Research money doesn’t grow on trees, BUT, trees will continue to grow from research. Please log on to www.ashrae.org and click on "Quick Links". Then, click on "Research Promotion" where you will learn where your dollar goes. This will tell you more than I can. Please don’t be shy! Donate a little or as much as you can. Thank you! Your contribution is greatly appreciated.

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, or go there directly with this link: http://www.ashraeboston.org/researchpromo/donationform.html

Credit card payments can also be made when you’re on the ASHRAE website. Use this link: https://www.ashrae.org/aboutus/resource_promotion.asp

Thank you!
The April meeting was our Biennial Product Show, and it was a huge success. The Lantana's in Randolph, MA hosted our show on April 13th, and not only it was a sold out show, but we also incorporated trailers this year, something the Boston Chapter hasn't done in the past. This provided engineers another method of viewing the latest and greatest products. There were plenty of attendees and everyone seemed to enjoy themselves.

The Product Show also held eight educational seminars, and they all were well attended. In addition to that, they were all PDH accredited. There were over 600 people in attendance at the Product Show itself throughout the day, meaning that we were able to get a good collection of engineers to venture out of their offices and site visits to see what the field has to offer. This was great news of course for the many vendors/manufacturers, because it was a great opportunity to showcase their products to the specifying engineers!

The general consensus from everyone was that the show was a success, and that members thoroughly enjoyed the show. We were thrilled to see that even in today's economy, we are able to round everyone up to showcase what our industry has to offer. Can the Product Show 2012 top 2010? We shall see!
The following Boston Chapter members were recently approved for advancement by the Admissions and Advancement Committee:

George Hardisty – Life Member
Vincent Grassi – Member

In order to become a Life Member, you need to have been a Member in good standing for at least 30 years. Thank you, George, for your dedication and support to ASHRAE!

If you have been working in the HVAC industry for several years and are designated as an Associate Member, you may be eligible for advancement to Member grade. Any licensed PE’s who are still at the Associate grade level should upgrade.

To advance from Associate to Member, you must update your ASHRAE bio online, and notify membership@ashrae.org that you have an updated bio and wish to be considered for grade advancement. You will find instructions at http://www.ashrae.org/members/page/149.

Please feel free to contact me at tshannon@dac-hvac.com if you have any questions on advancing your membership grade.

Cheers,
Teri

The award winning website for the ASHRAE Boston Chapter can be found at www.ASHRAEBoston.org

We will be keeping the site current with information; check back often!

On the Employment page (under the Chapter Updates section) not only will you see job opportunities, but we are now accepting resumes to post for free from any ASHRAE member in good standing looking for work!

Let employers find you on the ASHRAE Boston website!

We will continue this year to post past meeting presentations for our members to review, and our Chapter is continuing our efforts to reduce waste by eliminating printed handouts at our meetings.

As always you will also be able to link to following:
• Chapter officers and committee chairs contact information (who's who)
• Chapter monthly meeting info (when, what, where)
• Region I website, and view the Chapter history
• Sign up for the e-mailed newsletter
• Confirm attendance at the monthly meeting
• ASHRAE membership information

And also view the following:
• Current chapter newsletter, past newsletters, upcoming events and future meetings
• Other functional Chapter committee pages; Membership, RP, SA, Programs, CTT.
• Most recent and past BOG/Meeting minutes

Preparations are under way to celebrate the Boston Chapter’s 100th year birthday in 2012. As part of the event we need to gather the following:
• Photographs of projects.
• Photographs of individuals.

Please provide information such as name of project and individuals and send along to either Darcy at dcarbone@stebbinsduffy.com or Bob at Rpersechini@RDKengineers.com.

Stay tuned for future correspondence.

Happy Mother’s Day!
What’s New in our Chapter  

By Stephen Nicholas

Meeting Minutes of the Board of Governor’s  
April 13, 2010 Planning Meeting

Each and every month the Board of Governors have a meeting before the technical meeting to discuss the inner-workings of our Chapter. Many members wonder what’s new, what’s being discussed, and what’s being done to make our chapter better.

Below is a quick summary of what was discussed:

Chairperson & Committee Member Openings
We arranged for a Sustainability Committee conference call and had several individuals participate and expressed an interest in serving on this Committee. However we are still looking for someone to Chair this Committee. If interested please contact Fran Boucher or Jim Shiminski for more detailed information.

May Meeting
Next month will be the Installation of officers on board of the M/V Seaport Belle (Mass Bay Cruise Lines). Please mark your calendar for May 11, 2010 as we welcome the 2010-2011 season volunteers & leaders and also to celebrate as we present awards to volunteers & leaders of 2009-2010.

June Meeting
June meeting will be the Golf outing at Halifax/Poquoy Brook golf course on June 7, 2010. Please contact Bill Garvey for more information.

PDH Credit
We will now be requiring a business card for all attendees requesting PDH credit. This helps eliminate confusion and limits errors in the application process that we have been facing. Please be prepared to provide a card upon filling out the paperwork. Future meetings that will issue PDH credit will be at a cost to all non-members that request the credit. Each certificate will cost $15 for each non-member per meeting. Members will be given credit at no additional cost.

Scholarship
The BOG voted and approved $2,500.00 for the student scholarship fund in 2010. There will be a Softball Tournament to be held in September, 2010 to help raise money for this worthy cause. More details to follow as to date and location.

Membership
Our Membership Promotion Chair wants 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 Promotion Chairperson Teri Shannon for more membership information.

ASHRAE Research Promotion
The Boston Chapter of ASHRAE is proud to announce that we will once again receive the “Full Circle Award”. This award is given to a Chapter when each Chapter Officer donates $100 or more towards ASHRAE Research Promotion. We need your help! Each year Research & Promotion has a goal to meet and this year our goal is $19,280.00. We are currently behind our goal and need to pick up the pace for year’s end. If you’d like to show your support for the Chapter and for ASHRAE’s research, please contact Jeff Schultz for more information on how to help.

Summer Meeting June 2010 in Albuquerque, New Mexico
The Boston Chapter of ASHRAE will have a number of officers and Chapter members attend the National meeting. The next winter meeting is slated for January 2011 in Las Vegas, NV for the very first time. If you have never attended an ASHRAE National meeting this is certainly one not to miss.

Hall of Fame
The Boston ASHRAE Chapter will institute a Chapter Hall of Fame there will be three (3) candidates considered for the award. The winners will be announced and presented with plaque during the May Installation of Officers meeting.

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**Presidential Award of Excellence**  
**Boston Chapter - 2009-2010**

<table>
<thead>
<tr>
<th>Chapter Members</th>
<th>Membership Promotion Points</th>
<th>Student Activities Points</th>
<th>Research Promotion Points</th>
<th>History Points</th>
<th>Chapter Organization Points</th>
<th>Chapter Technology Transfer Points</th>
<th>Chapter PAOE Point Totals</th>
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<tr>
<td>952</td>
<td>1,130</td>
<td>935</td>
<td>655</td>
<td>210</td>
<td>1970</td>
<td>850</td>
<td>5750</td>
</tr>
</tbody>
</table>
PROJECT OF THE MONTH

Project of the Month section will be utilized to highlight unique or groundbreaking projects that showcase the talents of the HVAC Engineers in the Boston Chapter. Boston Chapter firms, we encourage you to submit your projects for inclusion as Project of the Month. ASHRAE Boston Chapter can submit your projects to society for honors/awards. We look forward to your submission of projects. Please email the project information to Stacie@stebbinsduffy.com.

ROSTER & PRODUCT GUIDE

Production of the 2010-2011 Roster and Product Guide is underway.

Dear ASHRAE Boston Chapter,

We encourage every Boston Chapter member to take a few minutes to update your data with ASHRAE. You can update your personal information (your address, employer, membership grade, professional registration, etc) by going to www.ASHRAE.org/myashrae, type in your email and password and then click on My Profile (BIO) to update your info. This is very important since the data we publish comes directly from the Society database.

*Please note: Each member will appear in the Roster at the address listed with Society as ‘preferred’ mailing address.

Dear Advertiser,

We have decided to go paperless therefore the 2010-2011 Roster and Product guide will be available online for ASHRAE members. Please stay tuned for more information on 2010-2011 Roster and Product Guide.

By Stacie Suh / Stacie@stebbinsduffy.com
Historian Column

By Eric Edman

Boston Chapter of ASHRAE
NorthEastAire Issue from January of 1972

BOSTON CHAPTER, ASHRAE meets on the third Tuesday of the month

TUESDAY, JANUARY 18

NEXT MEETING: Aquarium Restaurant, 100 Atlantic Avenue, Boston, upstairs function room, Social Hour 5:30 P.M., Dinner 6:30 P.M., Meeting 8:00 P.M.

SUBJECT: Mr. Robert Slater of Clark & Slater Associates, Inc., Brookline, Mass. will speak on "Application of Computer Analysis to Building Energy Requirements". Particular emphasis will be given to fuel selection. Mr. Slater has a wide and varied background in this area. A question and answer period will follow.

RESERVATIONS: Please call Louis Burbo, Johnson Service Co., 935-6050 with reservations by Monday noon, January 17. Dinner cost will be $7.00 for guests and members with advance reservations and $8.00 for guests and members who do not reserve. Advance reservations are eligible for the DOOR PRIZE, refund of the $7.00 dinner cost.

BOARD OF GOVERNORS:

Meeting at 5:00 P.M. before the Chapter Meeting.


ITEMS OF INTEREST TO NorthEastAire readers should be mailed or telephoned to Dave Priestly, c/o Boston Gas Company, 144 McBride Street, Boston, 02130. Tel. 522-5600, Ext. 567

Additional Boston Chapter Members on back of page.

THE AQUARIUM
FOR THE JANUARY 18 MEETING
Please be at the Tram Lift ($13 - included in the $50 cost!) by 5:30pm. The Tram holds up to 50 and it runs about every 20 minutes. If you wish to carpool to The Peak via a shared taxi or with your rental car, please let me know in your RSVP and I’ll put people together. Please RSVP by June 22, 2010, via email srosen@eypae.com or via Region I webpage at http://www.ashraeregion1.org/region_i_dinner.htm

More info on the restaurant is available here: http://www.sandiapeakrestaurants.com/highfinance/

Thanks! Steve Rosen
COME JOIN ASHRAE BOSTON CHAPTER FOR 45TH ANNUAL GOLF OUTING

WHEN: MONDAY JUNE 7, 2010
WHERE: COUNTRY CLUB AT HALIFAX HALIFAX, MA

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 21, 2010.

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

We also welcome Hole Sponsorship. If you are interested in participating, please return the completed form (found on page 16 of the newsletter) with your contribution.

Very truly yours,
ASHRAE Golf Outing Committee
Bill Garvey, Chairman

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
45th ANNUAL ASHRAE
BOSTON CHAPTER GOLF OUTING

Date: MONDAY, June 7, 2010

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 21, 2010.

Price: $150.00—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: 1:00 PM
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 
Mail to: Bill Garvey @ WSP Flack + Kurtz
88 Black Falcon Ave., Suite 210
Boston, MA 02210

Enclosed is check for $_________ for _______ Golf Outing, reservations, including dinner @ $150.00 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 ____
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($500 EACH)

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2. CLOSEST TO THE PIN
3. STRAIGHTEST DRIVE

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

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

NAME: __________________________________________________________________
ADDRESS: _______________________________________________________________
____________________________________________________________________________
PHONE: _______________________________
E-MAIL: _______________________________
SOCIETY NEWS

ASHRAE Annual Conference to Focus on High Efficiency, Energy Conservation and Facts vs. Simulation

ATLANTA—Guidance on how to improve building systems from moisture issues to ventilation including high efficiency HVAC&R systems and ventilation systems, is an important focus of the technical program at ASHRAEs 2010 Annual Conference, June 26-30 in Albuquerque, N.M.

The program is strong in presentations that are market-based, addressing existing technology, systems and equipment, giving attendees more practical, hands-on knowledge that they can use daily in their professions, Kirk Mescher, conference program chair, said. The conference presents more paper-related sessions, a result of integrating a shorter, conference paper into the program.

The technical program starts Sunday, June 27, at the Albuquerque Convention Center. The program features 10 technical paper sessions (with 29 papers presented), 16 conference paper sessions (40 papers presented), 61 seminars, 10 forums and one technical plenary session for a total of 98 sessions and 69 meeting papers. For a complete listing of the technical program, visit www.ashrae.org/newmexico.

The program is divided into seven tracks. The tracks with the most number of programs are: High Efficiency HVAC&R Systems, Energy Facts vs. Simulation, Living with HVAC&R Systems, Energy Conservation vs. New Generation and Ventilation Systems.

Sessions of interest in these tracks include: Standard 90.1-2010, A First Look, a two-part seminar that presents information on the development and content of the upcoming 2010 version of 90.1; Energy Efficient Operation and Design of Data Centers, addressing efficiency improvement options in data centers and the resultant operating cost associated with these improvements; Energy Efficiency Retrofit Measures for Government Buildings, focused on energy efficient retrofits of existing buildings; HVAC System Noise Control for Classrooms, summarizing guidelines/requirements related to noise control in schools; and Building Energy Simulation 101, covering the basics of simulation programs and selecting the appropriate type.

Conference registrants will also be able to experience the technical program through the Virtual Conference, providing the most complete access to the state-of-the-art concepts and latest design techniques. Participants of the Virtual Conference can view and listen to programs on their own schedule, post comments and view presenters responses. Access to the Virtual Conference is included with paid conference registration or can be purchased separately.

Advance conference registration is $515 (ASHRAE member) and $680 (non-member) by May 31. Virtual Conference registration is $299 (ASHRAE member) and $464 (non-member). To register or for more information, go to www.ashrae.org/newmexico.

For Release: April 7, 2010 Contact: Amanda Dean/ Public Relations 678-539-1216 / Adean@ashrae.org

Papers Focused on Net-Zero-Energy Sought for ASHRAE 2011 Winter Conference

ATLANTA – Papers addressing the industry’s efforts to achieve zero-energy design are being sought for ASHRAE’s 2011 Winter Conference in Las Vegas, Nev. The deadline for paper submissions is April 16. For complete information on the submittal requirements, visit www.ashrae.org/lasvegas.

The 2011 Winter Conference takes place Jan. 29-Feb. 2, along with the ASHRAE co-sponsored AHR Expo, held Jan. 31-Feb. 2. The technical program focuses on efficient use of energy, different design approaches and other topics related to refrigeration, standards and codes, and HVAC systems, equipment, applications and fundamentals.

Topics covered include codes and standards in the HVAC&R industry, integrated design, low-energy design, refrigeration update, industrial HVAC&R, net-zero energy, HVAC systems and equipment and HVAC fundamentals and applications. Full-length technical papers or conference paper abstracts (400 words or less) should be submitted by April 16.

For more information about the two types of papers and to submit a full-length technical paper or conference paper abstract, go to the ASHRAE Las Vegas Conference Web site: www.ashrae.org/lasvegas.

The conference is expected to attract some 2500 attendees from 60 countries. The technical program takes place Sunday, Jan. 30–Wednesday, Feb. 2, and includes paper presentations as well as non-paper presentations. Approved papers are published in ASHRAE Transactions.

For Release: April 5, 2010 Contact: Amanda Dean/ Public Relations 678-539-1216 / Adean@ashrae.org
Sen. Feinstein Highlights ASHRAE in Congressional Record Remarks

ATLANTA—The U.S. Senate passed legislation that could make air travel a little less stressful and much more healthy by calling for the Federal Aviation Administration (FAA) to conduct a study of air quality in the cabins of U.S. airliners.

The measure to protect the flying public from harmful toxins in cabin air planes was put forth by Senator Dianne Feinstein’s (D-Calif.) and approved by the Senate on March 22.

In her address to the Senate, Feinstein supported her argument for further study of the quality and safety of cabin air with a 2009 letter from ASHRAE Presidential Member William Harrison, in which he called on the FAA to “investigate and determine the requirements for bleed air contaminant monitoring and solutions to prevent bleed air contamination.”

“I agree with the ASHRAE recommendation that we need to study this problem and take steps to protect public health and safety,” Feinstein said, in presenting the measure as an amendment to the FAA Air Transportation Modernization and Safety Improve Act. “I offer this amendment in order to implement ASHRAE’s very sound recommendations, and I encourage my colleagues to support it.”

In the letter, Harrison urged the FAA to consider adopting ASHRAE Standard 161-2007, Air Quality Within Commercial Aircraft, which covers issues such as temperature, cabin pressure, air contaminants and ventilation rates. The standard also addresses chemical, physical and biological contaminants that could affect air quality as well. Methods of testing are provided for ensuring compliance with the standard’s requirements.

Harrison’s letter was submitted to be included in the Congressional record.

“The Senate legislation is a move in the right direction for aircraft passenger safety and comfort,” Doug Read, program director of government affairs for ASHRAE, said. “The Society works hard to ensure federal legislation captures the important work and expertise of ASHRAE in all aspects, and utilizes this expertise to advance and protect the needs of the general public. Standard 161 is an example of ASHRAE’s expertise in other areas and provides yet another avenue towards this goal.”

As an amendment to the FAA Air Transportation Modernization and Safety Improvement Act, the measure will “ensure that the FAA has the information it needs to protect the public from harmful toxins in ventilation systems on commercial aircraft.”

“ASHRAE is pleased to hear of this amendment, we have long urged for this issue to be addressed by the FAA” ASHRAE President Gordon Holness said. “Raising awareness to the necessity of high standards for indoor air quality, whether in a building or an airplane, helps to further the Society’s mission of serving humanity through advancing HVAC&R technology.”

“ASHRAE will continue to reach out to FAA and offer Standard 161 as guidance as it begins its investigations in cabin air quality, with the hope that this results in stronger regulations to control indoor air quality in aircraft cabins” he said.

The measure now must be considered by both chambers for inclusion in the final bill to reauthorize the FAA. Created in 1958 under the Federal Aviation Act, the FAA is responsible for the safety of civil aviation and is a part of the Department of Transportation. Its major roles include regulating civil aviation; encouraging and developing civil aeronautics; developing and operating a system of air traffic control; and regulating U.S. commercial space transportation, to name just a few.

For Release: April 1, 2010 Contact: Amanda Dean / Public Relations /678-539-1216 /adean@ashrae.org
ASHRAE BOSTON CHAPTER
2010-2011 BALLOT

President: Vote
William Garvey, WSP Flack + Kurtz
Write In

President-Elect: Vote
Patrick Duffy, BR+A Consulting Eng.
Write In

Vice President: Vote
Steve Nicholas, Air Industries
Write In

Secretary: Vote
Teri Shannon, DAC Sales
Write In

Treasurer: Vote
Jeff Schultz, BR+A Consulting Eng.
Write In

Board of Governors: Vote
Bryan Hermanny, BR+A Consulting Eng.
Dan Denisi, BR+A Consulting Eng.
Stacie Suh, Stebbins Duffy, Inc.
Write In

Please return via fax or email to: Bill Garvey
Fax: (617)210-1800   Email: Bill.Garvey@wspfk.com
## ASHRAE Learning Institute
### Spring 2010 Online Course Series

#### 2 WAYS TO REGISTER
- **Internet:** [www.ashrae.org/onlinecourses](http://www.ashrae.org/onlinecourses)
- **Phone:** Call toll-free at 1-800-527-4723 (US and Canada) or 404-636-8400 (worldwide)

**Note:** You may register up to 24 hours prior to any online seminar. Courses are in US Eastern Standard Time.

#### Courses in May
- **District Cooling & Heating Systems: Central Plants**
  - Monday, May 3, 2010 – 1:00 p.m. to 4:00 p.m. EDT
- **Complying with Requirements of ASHRAE Standard 62.1-2007**
  - Wednesday, May 5, 2010 – 1:00 p.m. to 4:00 p.m. EDT
- **Understanding & Designing Dedicated Outside Air Systems (DOAS)**
  - Monday, May 10, 2010 – 1:00 p.m. to 4:00 p.m. EDT

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## Hot Products from ASHRAE

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- Dampers and Airflow Control
- Advanced Energy Design Guide for Small Hospitals and Healthcare Facilities

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## Standard 189.1 Training

The ASHRAE Learning Institute (ALI) is bringing Standard 189.1-2009 training to a city near you.

**Understanding Standard 189.1-2009 for High-Performance Green Buildings**
- May 25, 2010 – 1:30pm – 4:30pm, San Francisco, CA
- June 2, 2010 – 1:00pm – 4:00pm, Arlington, TX
- June 10, 2010 – 8:00am – 4:00pm, Atlanta, GA
- June 26, 2010 – 8:00am – 4:00pm, Albuquerque, NM

Visit [www.ashrae.org/189.1courses](http://www.ashrae.org/189.1courses) for more information and to register.

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## ASHRAE Handbook Online

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[http://handbook.ashrae.org](http://handbook.ashrae.org)

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## Renew Your Membership Online!

Visit ashrae.org and Manage Your Membership
<table>
<thead>
<tr>
<th>Date</th>
<th>Main Program</th>
<th>Speaker</th>
<th>PDH Credits</th>
<th>Meeting Manager</th>
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<td>September</td>
<td>Gillette Stadium Tour Plant Tour</td>
<td>NA</td>
<td>Steve Nicholas</td>
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<td>Wednesday,</td>
<td>AFE joint Meeting</td>
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<td>September 30, 2009</td>
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<td>October</td>
<td>Case Studies in High Performance Ventilation and Cooling</td>
<td>Ray Sinclair</td>
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<td>Bryan Hermanny</td>
<td>Doubletree - Waltham</td>
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<td>RWDI</td>
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<td>October 13, 2009</td>
<td>Student Meeting/ Membership Night</td>
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<td>November</td>
<td>Are High Performance Buildings Really Performing?</td>
<td>Drury Crawley,</td>
<td>2.00</td>
<td>Dan Diorio</td>
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<td>Wednesday,</td>
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<td>Ph.d</td>
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<td>November 18, 2009</td>
<td>History Night / Research &amp; Promotion Night / Donors Recognition Night / AEE Joint Meeting</td>
<td>DL Speaker</td>
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<td>December</td>
<td>UL Listings for Fire Rated Assemblies</td>
<td>Gerry Saieva</td>
<td>2.00</td>
<td>Bill Garvey</td>
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<td>December 8, 2009</td>
<td>ASPE Joint Meeting</td>
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<td>January</td>
<td>Don’t Do Stupid Things</td>
<td>Joe Listiburek</td>
<td>2.00</td>
<td>Steve Nicholas</td>
<td>Doubletree - Waltham</td>
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<td>Tuesday</td>
<td>Membership Night/YEA</td>
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<td>February</td>
<td>Integrating Energy Conservation Strategies into Academic Laboratory Projects</td>
<td>Allan Ames</td>
<td>2.00</td>
<td>Pat Duffy</td>
<td>Doubletree - Waltham</td>
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<td>Tuesday</td>
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<td>Steve Mahler</td>
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<td>February 9, 2010</td>
<td>BSA Joint Meeting/ Past President’s Night/YEA</td>
<td>Walter Henry</td>
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<td>February</td>
<td>How to Introduction on Retro-Commissioning</td>
<td>William J. Schlagetur,Jr</td>
<td>2.00</td>
<td>Enrique De los Reyes</td>
<td>National Grid Offices @ Reservoir Woods East Waltham</td>
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<td>February 17, 2010</td>
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<td><a href="mailto:er@energysystemsdesign.com">er@energysystemsdesign.com</a></td>
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<td>March</td>
<td>CFD Analysis for Building Comfort Systems Design</td>
<td>Daniel Nall</td>
<td>2.00</td>
<td>Joshua Benoist</td>
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<td>April</td>
<td>2010 Product Show</td>
<td>See page3 for information.</td>
<td>Jeff Schultz</td>
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<td>Installation of Officers</td>
<td>N/A</td>
<td>Bill Garvey</td>
<td>M/V Seaport Belle (Mass Bay Cruise Lines)</td>
<td>Rowes Wharf</td>
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<td>June</td>
<td>Golf Outing</td>
<td>N/A</td>
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<td>Bill Garvey</td>
<td>Halifax Country Clubs</td>
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<td>Monday</td>
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<td>June 7, 2010</td>
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## 2009 - 2010

### BOSTON CHAPTER OFFICERS, BOARD OF GOVERNORS & CHAIRPERSONS

#### OFFICERS

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  william.garvey@wspfk.com

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  jhs@brplusa.com

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  paul.hanbury@umassmed.edu

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  bmh@brplusa.com

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  william.garvey@wspfk.com

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  william.garvey@wspfk.com

- **Greeting**
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  978-774-1057  
  stafone@berry.com

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