



Northeast Chapter

# Thermal Briefs

OCTOBER 2014

## NOVEMBER MEETING TUESDAY, NOVEMBER 18, 2014

### Boiler Room Concepts

#### The Modern Condensing Boiler Plant

Presenter: Tim Rose and Joe Belphord, Viessmann Manufacturing

*1 PDH credit pending review!*

12:00pm – Luncheon and Presentation

Italian American Community Center, Washington Ave Ext

Members \$30 (\$40 with PDH)

Non-Members \$35 (\$45 with PDH)

RSVP to Tim Houle no later than Tuesday, November 11th

[Thoule@advancedcomfortsys.com](mailto:Thoule@advancedcomfortsys.com) or 518-844-8444 x3439

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BOG

#### Synopsis

Applying commercial condensing boilers for different applications and get the most from a condensing boiler plant.

- Maximize system efficiency
- Improve building comfort
- Integrate boiler controls with BMS

#### Speaker Biography

Between Joe and Tim they have 40 years industry experience on applications of condensing boilers and commercial boiler applications.

# Message from the President

The Chapter is off to a great start, our recent October meeting was well attended by our membership. I would like to thank Darren Hardy of WSP for educating us on the use of 3D Laser Scanning & BIM, the topic proved to be very interesting and in looking at the speaker evaluations all appeared to be positive.



Our next luncheon and presentation will be on November 18<sup>th</sup>, 2014 at the Italian American Community Center in Albany.

I am looking for feedback from the membership on what we can do as the Leadership team to increase our membership number and increase the attendance at the monthly meetings. For the past few years we average around 30 at our events, we currently have 272 members in the Northeast Chapter so I feel we can improve our average attendance. The Officers, BOG and I are looking for feedback on past and future events, all our contact information is listed in the body of this newsletter or can be found on the Chapter website.

Finally, we still have a vacant Chair position, if anyone is interested in the Grassroots Government Activities Chair please contact me, I can provide the expectations for the position, this document provides a very detailed narrative and direction for the Chair.

I hope to see you all at our November meeting.

Sincerely

Doug Belokopitsky

Chapter President

# Message from Historian

Greetings!

The Northeast Chapter is off and running with the first chapter meeting completed with good attendance.

**Past Presidents** please take note that at the December meeting all past presidents will be invited to attend the evening dinner meeting as guests of the Northeast Chapter. A short presentation of your accomplishments as a chapter president will welcome.

If you find a system or piece of equipment of historical significance please bring it to my attention so that it can be documented as part of the Northeast Chapter History.

Submitted by Chapter Historian,

*Stan Westhoff*



# Message from Membership

Welcome back to another year of ASHRAE!

As we begin a new year, if you haven't done so recently, it might be a good time to take a moment to check the information on the national society's website to make sure your bio, dues, and contact information are all up to date. Switched jobs recently? Is the ASHRAE Journal still being sent to your previous employer or would you prefer to have it sent to home instead of work? Did you pay both the chapter as well as the society dues? Like to upgrade your membership from Associate to Member? Now's a good time to check on your records to make sure they are all up to date. Check it out at [www.ashrae.org](http://www.ashrae.org) and look for "Update your Bio/View or Edit your Profile" under the My Membership section.

Speaking of up to date, the last Membership Roster the NE Chapter released was in 2011. Just like the code cycle, 3 years is a good time for a new release! We're hoping to have all the member entries entered by December, so this makes the Society record information doubly important for accuracy. How about work associates? Do you know someone considering joining ASHRAE, or a work associate you think *should* be a member? Forward them this newsletter and encourage them to join before December, so they don't miss out on having their name listed in the new directory! If your employer is not currently sponsoring ASHRAE membership, please contact me, most employers do, so we can help.

A new year is also a good time to consider new ventures. Giving back to your local Chapter can be as rewarding as receiving the benefits of ASHRAE, as well as increasing your marketable accomplishments. Over the next few months, we'll be looking for members interested in being part of the Membership Committee. So if you'd like to take the next step in your career with ASHRAE, drop me a line to express your interest! It won't be a huge extra time commitment (and besides, it can be a lot of fun).

If you have any questions regarding membership, please don't hesitate to ask any of the chapter officers, or contact me at [Liesl.Hammer@gmail.com](mailto:Liesl.Hammer@gmail.com).

Liesl Hammer

ASHRAE Northeast Chapter Membership Promotion Chair



**WE WANT YOU!**

## Message from Research Promotion

Please consider placing your business card ads in our next issue. The small \$60 contribution we require goes completely to Research promotions and allows your ad to run the entire year. If you have any job postings you'd like to post we only ask a small contribution of \$50 per month. This Newsletter is circulated to over 200 monthly!

If you would like to make a donation to RP please contact me at [cschmidt@b2qassociates.com](mailto:cschmidt@b2qassociates.com). For further information on ASHRAE Research and the work your contributions support please visit: <https://www.ashrae.org/standards-research--technology/research-promotion> Here you can contribute and learn about current and past ASHRAE Research projects.

Thank you all very much for your generosity!

Thanks again,  
Chris Schmidt  
ASHRAE Northeast Chapter RP Chair

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## Message from Refrigeration

Northeast Chapter Refrigeration Article for November 2014

AHRI, American Heating & Refrigeration Institute, this past October announced a new certification for Direct Expansion (DX) dedicated outdoor air system units. These units are typically used to provide neutral temperature and humidity to buildings while recovering energy. They are to allow for improving humidity level (lower) and provide greater energy savings.

AHRI Standard 920 is the Performance Rating of DX-Dedicated Outdoor Air System Units.

In other news, DOE, Department of Energy, rejected AHRI's petition for reconsideration of the DOE final ruling setting energy standards for walk-in coolers and freezers. The DOE scheduled a public meeting to address what is viewed as a misunderstanding on how to calculate the energy usage of the refrigeration equipment for coolers and freezers. More to come....

Ray Hickey, Refrigeration Chairperson

# Message from Student Activities

Below is a scholarship we offer annually. If you know of any hard working students that could use a break, spread the word!

## ASHRAE NORTHEAST CHAPTER SCHOLARSHIP APPLICATION



**American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.,**

The ASHRAE Northeast Chapter Scholarship Program is designed to encourage and assist in the education of men and women pursuing a career in the field of heating, ventilating, air conditioning and refrigeration (HVAC&R) through its granting of scholarships. The program also serves the public interest by aiding in the education of men and women to become qualified to practice within the HVAC&R field.

### Personal Data

Last Name		First Name		Middle Initial	
Student's Home Address					
City		State		Zip	
E-mail address			Home Phone		
Date of Birth			Citizenship		

### Education

High School		H.S. Location	
H.S. Course of Study		Year Graduated H.S.	
College or University		Location	
Major		Cumulative Grade Point Average	
Anticipated College or University Graduation Date			
Other School		Location	
Course of Study		Year Graduated	
Anticipated Graduation Date			

**Education** *(continued)*

List of Engineering/ Technical Courses taken to date (applicant may refer to transcript):
Extra Curricular Activities and Hobbies:

**Professional Data** *(provide a brief resume of your work experience)*

Employer		From/To Dates	
Brief Job Description			
Employer		From/To Dates	
Brief Job Description			
Employer		From/To Dates	
Brief Job Description			

**Professional Goals**

What is your particular interest in a field(s) covered by ASHRAE, and describe one or more ways that the HVAC&R industry affects the lives of people in today's society. (300 words maximum, attach extra pages as required)



**References**

Please provide a total of two references along with a separate letter of recommendation from either: Professor, Faculty, Business Person or Former Employer.				
Name & Relation		Address		Phone
Name & Relation		Address		Phone
Please list any associations with ASHRAE Northeast chapter members.				
Name & Relation		Address		Phone

**Basic Criteria which all Scholarships are granted:**

1. Full time enrollment in a college, university, or technical institute.  
Undergraduate students should be entering their sophomore, junior or senior year with at least one full year of studies remaining in the year for which the scholarship is granted. Graduate students can apply at any point during their studies as long as they have at least one full year of studies remaining in the year for which the scholarship is granted.
2. Study that is applicable to service in the HVAC&R profession.
3. A cumulative grade point average (GPA) of at least 3.0 on a scale where 4.0 is the highest (attach official transcript).
4. Association with the region covered by ASHRAE Northeast Chapter (Capital Region) by attendance to a school in the area or permanent address in the area.

I believe all of the above information to be true and complete and I hereby apply to the American Society of Heating Refrigeration and Air-Conditioning Engineers –Northeast Chapter for an ASHRAE Scholarship. I certify that I am not receiving full funding for my education from an employer, any branch of the Armed Services or any other organization.

\_\_\_\_\_  
Signature of Applicant

\_\_\_\_\_  
Date

Mail or email completed application to: Dave Ricci  
Johnson Controls Inc.  
116 Railroad Ave.  
Albany, NY 12205  
518-451-2700  
David.e.ricci@jci.com





# Message from Newsletter Editor

Fellow ASHRAE peers,

The Capital District's Celebration of National Engineers Week is February 26 and 27th - At the Albany Marriott, 189 Wolf Rd. Albany. If you've never attended E-Week in Albany, NY you've been missing out on the most comprehensive engineering training event available. This covers all engineering disciplines. For the PE's out there looking to fulfill PDH's, this is for you! If your company is looking to speak on your represented technology, please submit your presentations using the attached forms. Not only will this provide excellent exposure for your technology, but you'll be giving back to the engineering community that helps support us on a daily basis. I can't stress how wonderful this event has been over the years. Please make every effort to attend! For more information visit: [www.CapitalDistrictEweek.org](http://www.CapitalDistrictEweek.org)

Regards,

Erick Moser VP/Editor

## Business Card Ads

**We are currently accepting business card advertisements** for this

year's newsletters. The cost of a business card ad is \$60.00 per year.

The newsletter is published monthly, September through June (ten total issues).

Your business card ad will circulate to OVER 200 RECIPIENTS each month!

Interested in placing an ad? Please contact [cschmidt@b2qassociates.com](mailto:cschmidt@b2qassociates.com)



## Employment Opportunities

**We are currently accepting employment opportunity advertisements**

for this year's newsletters. The cost of a business card ad is \$50.00 per

month. Again, the newsletter is distributed to OVER 200

RECIPIENTS each month!

Interested in placing an ad? Please contact me at [Erick@rpfedder.com](mailto:Erick@rpfedder.com)



## Society News

### DOE Updates National Reference Standard for Commercial Buildings to 90.1-2013

ATLANTA - Following preliminary analysis that ASHRAE/IES's 2013 energy efficiency standard contains energy savings over the 2010 standard - 8.5 percent source energy savings and 7.6 site energy savings - the U.S. Department of Energy (DOE) has issued a ruling that establishes the 2013 standard as the commercial building reference standard for state building energy codes.

In an announcement in the Sept. 26, 2014 edition of "The Federal Register," DOE attributes the greater energy savings to improvements in ANSI/ASHRAE/IES Standard 90.1-2013, *Energy Standard for Buildings Except Low-Rise Residential Buildings*, related to several areas, including better lighting, fans, commercial refrigeration, boilers and controls.

The determination means that states are required to update their codes to meet or exceed the 2013 standard within two years. Currently, states must meet or exceed the 2010 standard, which serves as the commercial building reference standard for state building energy codes under the federal Energy Conservation and Production Act.

"ASHRAE is pleased with this ruling from the DOE, recognizing the energy savings measures in the standard," ASHRAE President Tom Phoenix said. "Standard 90.1 was an original cornerstone in our efforts to improve building performance, and we continue to strive to increase its efficiency in the future."

## Society News

Among the eight addenda that are identified as having a major positive impact on energy efficiency, IES notes that three are attributed to lighting changes according to Rita Harrold, IES director of technology. These address control requirements for lighting alterations, additional controls for more spaces with a shortened time to lighting reduction or shutoff, and a decrease in lighting power density in most building types to reflect changes in revisions to illuminance recommendations in the IES Lighting Handbook, 10<sup>th</sup> edition.

The DOE noted that the 2013 standard contains 52 positive impacts on energy efficiency that were incorporated into the analysis. These impacts included changes made through the public review process in which users of the standard comment and offer guidance on proposed requirements. Specifically the major positive impacts include:

- Control requirements for lighting alternations
- New requirements for individual fans
- Reduction of energy usage for large boilers
- Reduction of fan energy usage
- New efficiency requirements for commercial refrigeration
- More controls in more spaces and reduction of time to reduction or shut off of those controls
- Reduction of lighting power density in most building types

# Northeast Chapter Officers and Board of Governors 2014-15

Chapter President:	Douglas Belokopitsky
President Elect/CTTC/Program Chair:	Dan Williams
Vice President/ Newsletter Editor:	Erick Moser
Treasurer:	David Houle
Secretary:	Adam Feather
Board of Governors	John Thomas
Board of Governors:	Russ Danforth
Board of Governors:	Greg Kirkpatrick
Board of Governors:	Trevor Gensch
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Refrigeration Chair	Ray Hickey
Historian:	Stanley Westhoff
YEA:	Brian Meneghan
Government Activities:	Open
Webmaster/Home Page Editor/ CECC:	Michael Schwarz

