



Giga-Joule

October 2015

<http://www.ashrae4greenville.com/newsletter.php>

Meeting Announcement

The October meeting will be held on **Tuesday, October 13, 2015** at M.T. Anderson Support Center. For more information, please contact our Secretary, Melissa Angulo, at secretary@ashrae4greenville.com.

A Message from the President

Greetings Greenville & Asheville Members!

I hope this finds you well and that everyone has survived the storms over the past week. I'd like to take a moment to mention a few things this month.

- 1) Don't forget about our Greenville meeting next week on Tuesday the 13th and our Asheville meeting on the Wednesday 14th.
- 2) Please take a moment to visit <https://www.ashrae.org/education--certification/certification> to learn more about ASHRAE Certifications and what they can mean for your career development and personal growth.
- 3) Don't forget that you can access all of ASHRAE's standards, brochures, and technical guidelines at http://www.techstreet.com/ashrae?ashrae_auth_token=00fa2c78-c7b7-4f59-8e44-963f5416ce97.
- 4) Please BRING NEW MEMBERS to our upcoming meetings. New members are vital for the continued growth of our chapter.
- 5) Don't forget to register for this year's winter conference, Jan 23rd – 27th. <https://www.ashrae.org/membership--conferences/conferences/2016-ashrae-winter-conference>



Thank you for all that you do for ASHRAE, and we look forward to seeing you next week!

*Tigie Garick – President
ASHRAE – Greenville Chapter
tigieg@jmpco.com
864-616-0592*

Membership Promotion

Bring a prospective member to the October 14 meeting in Asheville or to the March 8 meeting in Greenville, and take home a \$25 gift certificate from American Express. The only catch is that you must introduce the prospective member to the rest of the group at the meeting, and give them a membership application.



Kevin Brock
Membership Chairman, Greenville Chapter, ASHRAE Region IV
Kevin.Brock@dnvgl.com

Chapter Meeting in ASHEVILLE:

We will have a meeting in Asheville on Wednesday, October 14 at the Lenoir-Rhyne University Asheville Graduate Center. The Center is located on the 3rd floor of the Asheville Chamber of Commerce building at 36 Montford Ave., just off I-40. We will start serving lunch at noon, with a technical program on Condensing Boiler Applications and Venting by Kevin Smith

Price for lunch:

\$13 in advance \$15 at door for chapter member (catered lunch)
\$20 for non-chapter member (catered lunch)

Please RSVP by going to the following link

<http://goo.gl/forms/GAfIJfZX33>

No later than end of day Monday, October 12, 2015

If you have any questions, contact Kevin Brock at 828-772-6956 or kevin.brock@dnvgl.com.

Chapter Board of Governor special message

Equipment Efficiency Update -

Just in case you missed it an update in equipment efficiencies occurred earlier in the year. As of January 1st a Department of Energy policy went into effect requiring that "residential" heat pumps were to have a minimum SEER of 14. Existing stock could be sold but newly manufactured equipment had to meet the new standard. Residential essentially means single phase equipment smaller than 5 ton. Three phase equipment is still available at 13 SEER. The new requirements for air conditioners are more complicated. Single phase air conditioners sold in Oklahoma, Arkansas, Kentucky, Virginia, and places south are to be 14 SEER, while those in the northern states can be 13 SEER. But the northern states did not completely dodge the bullet, because gas furnaces in those regions essentially have to be the condensing type, while the southern states can still use an 80% efficient furnace. California and the desert southwest are special - of course they are - and have there own rules which you will have to research on your own.

The efficiency requirement for water heaters changed on April 1, 2015. Water heater energy factor formulas differ for models less than 55 gallons as opposed to larger volumes. The minimum energy factor for a residential 40 gallon electric heater is .95. The minimum energy factor for a residential 40 gallon gas water heater is .615. Requirements for models larger than 55 gallons are very different. Info on the water heaters is available at

http://www1.eere.energy.gov/buildings/appliance_standards/product.aspx/productid/27, but use the site carefully. Use the data on Table2, Table 1 is no longer applicable and that is not very obvious.

These requirements came about via Department of Energy changes that manufactures' are required to follow. They do not appear in the 2009 version of the International Energy Code. The heat pump requirement appears in the 2015 energy code, which is not in force at this time.

Thank you,

Devon Cortright
VP of Mechanical Engineering
H2L Consulting Engineers Inc.
gov6@ashrae4greenville.com

In efforts to keep you updated, visit us at:

WEBSITE: www.ashrae4greenville.com

LINKEDIN: https://www.linkedin.com/groups?home=&gid=8154388&trk=anet_ug_hm

EVENTCALENDAR: View ASHRAE Greenville Chapter Meetings calendar



Faulkner / Haynes & Associates, Inc.
The Carolinas' Premier Commercial HVAC and Power Quality Reps

October Meeting

Presenter: Kevin Smith

Kevin Smith is the Southeastern Regional Manager of Engineered Services for Aerco International. He has over 20 years of experience developing and providing creative solutions to the engineering and construction industries. Prior to his position with Aerco, he worked for leading manufactures including Uponor, Zehnder and the SGL Group. Kevin is a graduate of programs at North Georgia College and University as well as the Georgia Institute of Technology. He is a LEED AP currently serving on ASHRAE Technical Committee 6.5; a member of Technical Committee 6.1 and Technical Committee 7.4.

LECTURE TOPIC:

Condensing Boiler Applications and Venting

Kevin Smith with AERCO International will present condensing boilers: How they operate, materials of construction, advantages over conventional boilers, proper installation practices, and proper applications and strategies for optimizing the efficiencies of a condensing boiler system.

Programs: Condensing Boiler Applications and Venting – 1 PDH

Location: M.T. Anderson Support Center
100 Blessingame Road
Greenville, SC 29605

Date: Tuesday, November 11, 2014

Time: 11:30 a.m. Doors Open
11:35 a.m. Lunch Served
11:45 a.m. to 12:00 p.m. Chapter Business
12:00 p.m. to 1:00 p.m. Program

Cost: Lunch Program: \$13 in advance \$15 at door for chapter member (catered lunch)
\$20 for non-chapter member (catered lunch)

Education Credit: The Technical Programs qualify for 1.0 PDH (including NC PE) for each program attended.

Please RSVP by going to the following link
<http://goo.gl/forms/wsWMLaQy93>
No later than Noon Friday, October 09, 2015

ASHRAE Greenville Chapter Board 2015-2016 Committee

Chapter President	Tigue Garick
Chapter President Elect	Rodney Hinton
Chapter Vice President	Myrna Dayan Daniel Lowe
Chapter Secretary	Melissa Angulo
Chapter Treasurer	Jeff B Beard
Chapter Board of Governors	Devon Cortright
Chapter Board of Governors	Karl Counts
Chapter Board of Governors	Bill Knight
Chapter Board of Governors	Carol Suttles
Chapter Board of Governors	Brandt H Williams
Chapter Board of Governors	Rodney Hinton
Chapter Technology Transfer Chair	Dorothy Bertolini
Chapter Membership Promotion Chair	Kevin Brock
Chapter Research Promotion Chair	Jeremy Butdorf
Chapter Student Activities Chair	Daniel Lowe & Ryan Tonnsen
Chapter Grassroots Government Activities Chair	Bill Knight
Chapter Historian	Daniel Lowe
Chapter Honors and Awards	Devon D Cortright
Chapter Webmaster	Karl F Counts
YEA CHAIR	Jeremy Butdorf

Meeting Dates for 2015-2016

Tuesday 09/08/2015	ASHRAE Standard 62.1-2010, IAQ Procedure	Greenville, SC	Presenter: Charlie Waddell, Global Plasma Systems
Tuesday 10/13/2015	Condensing Boiler Applications & Venting	Greenville, SC	Presenter: Kevin Smith
Wednesday 10/14/2015	Condensing Boiler Applications & Venting	Asheville, NC	Presenter: Kevin Smith
Tuesday 11/10/2015	Fundamentals of Building Envelopes in Hot & Humid Climates	Greenville, SC	Presenter: Ray Patenaude, PE, CMA, CIAQP, CEM, RPIH ASHRAE Distinguished
Wednesday 11/11/2015	Fundamentals of Building Envelopes in Hot & Humid Climates	Asheville, NC	Presenter: Ray Patenaude, PE, CMA, CIAQP, CEM, RPIH ASHRAE Distinguished
Tuesday 12/15/2015	Modern Pump Selection	Greenville, SC	Presenter: Chris Edmondson ASHRAE Distinguished Lecturer
Tuesday 12/16/2015	Modern Pump Selection	Asheville, NC	Presenter: Chris Edmondson ASHRAE Distinguished Lecturer
Tuesday 01/12/2016	Permanent Magnet Motors	Greenville, SC	Presenter: Andrew T. Holden, PE
Tuesday 02/09/2016	DOE Recommended Details for Chiller Plant Optimization	Greenville, SC	Presenter: David Pleasants, PES
Tuesday 03/08/2016	HVAC Systems for Pharms/Bio Facilities	Greenville, SC	Presenter: Manuel A. del Valle
Tuesday 04/12/2016	Commissioning of the Built Environment - Principles, Process, Procedures, and the Future	Greenville, SC	Presenter: Ross Montgomery, PE,CXA,CPMP,BEAP, BEMP
Wednesday 04/13/2016	Commissioning of the Built Environment - Principles, Process, Procedures, and the Future	Asheville, NC	Presenter: Ross Montgomery, PE,CXA,CPMP,BEAP, BEMP
Monday 04/18/2016	Research Promotions Golf Tournament	Clinton, SC	Location: Musgrove Golf Club
Tuesday 05/10/2016	AHRI ratings for Energy Recovery & DOAS equipment	Greenville, SC	Presenter: Eric VanUytfanck Venmar



Unless otherwise stated meetings are:

2nd Tuesday of the Month

11:30am – 1pm

MT Anderson Support Center

100 Blessingame Road. Greenville, SC 29605

Each program provides at least 1 PDH

Networking/ Social Events for 2015-2016

Wednesday 09/16/2015	Willis Carrier Student Scholarship Presentation	Greenville, SC	Clemson University
Monday 11/09/2015	ASHRAE Fall Fishing Trip	Elizabethton, TN	Watauga River
Monday 04/11/2016	ASHRAE Spring Fishing Trip	Elizabethton, TN	Watauga River

ASHRAE Winter Conference

Start Planning for 2016 ASHRAE Winter Conference, Jan. 23– 27, Orlando, FL.

Visit www.ashrae.org/orlando.



2016 Winter Conference
Jan. 23-27
Orlando Hilton
Orlando, FL

AHR Expo
Jan. 25-27
Orange County Convention Center
Orlando, FL