



# *Giga-Joule*

**December 2015**

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

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## *Meeting Announcement*

The December meeting will be held on **Tuesday, December 15, 2015** at M.T. Anderson Support Center. For more information, please contact our Secretary, Melissa Angulo, at [secretary@ashrae4greenville.com](mailto:secretary@ashrae4greenville.com).

## *A Message from the President*

ASHRAE Members,

Merry Christmas from ASHRAE! I hope that this finds you well and that you are enjoying the beginning of the holiday season. Please note that our meetings this month will be held on December 15th in Greenville and December 16th in Asheville! The topic will be "Modern Pump Selection" taught by Chris Edmondson, CEO of the James M. Pleasants Company and ASHRAE Distinguished Lecturer. Please make every effort you can to attend and BRING A FRIEND OR TWO! Happy holidays, and we hope to see you soon!



*Tigue Garick – President  
ASHRAE – Greenville Chapter  
tigueg@jmpco.com  
864-616-0592*

## ***Membership Promotion***

The first step in growing our chapter is to get prospective members to our meetings! Every month, our ASHRAE chapter provides outstanding technical programs that keep all of us up to date on the advances in our industry. So think about inviting the person you are working with today, whether it be a co-worker, an industry peer, a client, or another member of your project team, to come learn about the topic of the month, whether it be on pump selection or indoor air quality or moisture control. So invite them, and when they show up let them know they are welcome.



*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, December 16th 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.

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/O00LrS5Wlh>**

**No later than end of day Monday, December 14, 2015**

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

## *Chapter Board of Governor special message*

### Codes, Standards, and Energy Incentives

The South Carolina Building Codes Council has completed their review of the 2015 International Code Series. The list of revisions to the commercial codes is short, but for those who have worked in the residential market, the list of revisions is long. I am not aware of a date when the codes will go into effect, but if past history is an indication it will be July 2016.

The current 2012 International Codes can be access on-line for review at <http://publicecodes.cyberregs.com/icod/IC-P-2012-000019.htm>. Be aware that the energy code enforced in South Carolina at this time is the 2009, not the 2012 referenced on the site.

You may electronically view ASHRAE Standards referenced in building codes at the link <https://www.ashrae.org/standards-research-technology/standards-guidelines/other-ashrae-standards-referenced-in-code>. This location at the ASHRAE website allows for the viewing of a number of standards including the ever popular Standard 29-1988 "Methods of Testing Automatic Ice Makers." This is a viewer only and has restrictions on downloading and printing.

Duke Energy is offering incentives for the replacement of existing equipment with high efficiency equipment. The projects include lighting, pumps, and HVAC equipment, to name a few. An introduction to the program for South Carolina customers is available at <https://www.duke-energy.com/south-carolina-business/smart-saver/smart-saver-incentive-program-customer.asp>. Also available are web-based tools that can be used to calculate savings on a number of projects. The tools are available for download at <http://www.aesc-inc.com/download/dukeenergy/index.ctg.html>. Tools for calculating savings on lighting, variable frequency drives, compressed air, and HVAC are available. As of this time I have not used any of the tools, but would be interested in feedback from anyone that has.

Thank you,

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

## *Last month meeting:*

You can find last meeting slide show by visiting our website  
<http://www.ashrae4greenville.com/Archives.aspx>



*In efforts to keep you updated, visit us at:*

WEBSITE: [www.ashrae4greenville.com](http://www.ashrae4greenville.com)

LINKEDIN: [https://www.linkedin.com/groups?home=&gid=8154388&trk=anet\\_ug\\_hm](https://www.linkedin.com/groups?home=&gid=8154388&trk=anet_ug_hm)

EVENTCALENDAR: View ASHRAE Greenville Chapter Meetings calendar

# December Meeting

**Presenter:** Chris Edmondson

Chris Edmondson received his B.S. degree in Mechanical Engineering from North Carolina State University in 1967. During the summers, he worked at Barber Coleman and Jay Johnson Controls. After graduation, he spent four and a half years as a salesman with the Trane Company. In 1971, he came to work for the James M. Pleasants Company, Inc. (Manufacturer's Representative for the ITT Fluid Handling Division). He worked as an outside salesman until 1978, when he was promoted to Vice President and Sales Manager until 1987. Since 1987 to the present time, he has served as President of the James M. Pleasants Company, Inc. Mr. Edmondson has served many years in the ASHRAE organization, holding positions such as Secretary/Treasurer, Vice President and President of the North Piedmont Chapter. For the fiscal year, 1985-86, he received the Rudy Ferguson Memorial Award (Presidential Award of Excellence). In 1985, he became a technical speaker to various ASHRAE chapters and continued through 1989. He spoke at the ASHRAE Region VII CRC in 1992 and also at the Birmingham Region VII CRC. He also held the position of Educational Activities Vice Chair for Region IV from 1992-1994. In 1994, he was the Chapter Programs Chair for Region IV. In 1998-2000, he was Region IV ARC. He is currently Region IV DRC. During 1980-1990, he has presented papers to various engineers on the following subjects: · Basic Primary/Secondary Variable Volume Pumping · Chiller Piping · Air Control · Plumbing Piping Systems His principal areas of interest are energy savings, primary/secondary variable volume systems, heat transfer, hydronic systems, plumbing piping systems and control chilled water plant design.



## LECTURE TOPIC:

### Modern Pump selection

This advanced seminar takes an in depth look at pump selection to maximize system efficiency. We will learn to calculate system curves for both open and closed systems. We will examine the differences between constant and variable head and how this can impact system pumping efficiency during part load operation. This presentation will also address what "Efficiency Islands" are, how they can impact operating results and key application considerations with examples.

**Programs:** Modern Pump Selection – 1 PDH

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

**Date:** Tuesday, December 15, 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/kr0u65VNDm>  
**No later than Noon Friday, December 11, 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 Lecturer
Wednesday 11/11/2015	Fundamentals of Building Envelopes in Hot & Humid Climates	Asheville, NC	Presenter: Ray Patenaude, PE, CMA, CIAQP, CEM, RPIH ASHRAE Distinguished Lecturer
<b>Tuesday 12/15/2015</b>	<b>Modern Pump Selection</b>	<b>Greenville, SC</b>	<b>Presenter: Chris Edmondson ASHRAE Distinguished Lecturer</b>
<b>Tuesday 12/16/2015</b>	<b>Modern Pump Selection</b>	<b>Asheville, NC</b>	<b>Presenter: Chris Edmondson ASHRAE Distinguished Lecturer</b>
Tuesday 01/12/2016	Permanent Magnet Motors	Greenville, SC	Presenter: Andrew T. Holden, PE
Tuesday 02/9/2016	DOE Recommended Details for Chiller Plant Optimization	Greenville, SC	Presenter: David Pleasants, PES
Tuesday 03/8/2016	HVAC Systems for Pharmo/Bio Facilities	Greenville, SC	Presenter: Manuel A. del Valle
Tuesday 04/12/2016	Commissioning of the Built Environment - Principles, Process, Procedures, and the	Greenville, SC	Presenter: Ross Montgomery, PE,CXA,CPMP,BEAP, BEMP ASHRAE Distinguished Lecturer
Wednesday 04/13/2016	Commissioning of the Built Environment - Principles, Process, Procedures, and the	Asheville, NC	Presenter: Ross Montgomery, PE,CXA,CPMP,BEAP, BEMP ASHRAE Distinguished Lecturer
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:  
**2<sup>nd</sup> 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](http://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