



Giga-Joule

January 2013

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

Meeting Announcement

The January meeting will be held on Thursday, January 10, at the Roper Mountain Science Center. The details are listed on the Programs Page. For more information, please contact our Programs Chair, Daniel Lowe at lowed@cxconsultants.com.

A Message from the President

We will be discussing the dirty four letter word, Mold, during our January Meeting. Andy Schauder will be presenting, and I can personally say that I am looking forward to his presentation. Please come and bring your questions and lessons learned for Mr. Schauder.

Last month we discussed Solar Thermal applications and had an extended lecture on Primary Secondary vs. Variable Primary. Mr. Edmonson is always a great speaker and we had a very good turnout. Thank you all who attended!

We are always looking for new faces to participate on a committee or serve on the Board of Governors. If you would like to hear more information on what this would entail, please let me know.

All presentation slots for this ASHRAE year have been filled, so please take a look at the revised schedule at the bottom of this document and attend as many as possible. We still like to hear of ideas for future meetings, so please let me know if you have a topic that would make for a good meeting.

Ryan Tonnsen
Greenville ASHRAE President
president@ashrae4greenville.com



Membership Corner

ASHRAE Greenville would like to take this opportunity to wish all our Members a Happy to New Year!

As we look forward to the new year ahead...we have a plan for continued growth in our Greenville Membership and need your help in achieving this...on the horizon are some great programs, some social events, golf tournaments etc. being planned throughout the season to encourage you invite your friends and colleagues. Thanks all members who recently joined via a Membership Promotion Meeting, a transfer in, or just the desire to be a Member, we appreciate your support. Welcome back to our existing members, and especially those who serve on the board...we could not do this without everyone's participation. Our 2nd and final Membership Promotion meeting for this year will be in the SPRING of 2013.



Don't forget about those Young Engineers – ASHRAE offers a special membership for engineers currently under the age of 35 to encourage them to be involved...these are our future leaders.

Existing MEMBERS – Ask me about upgrading your membership by going online to www.ASHRAE.org to update and complete your BIO...this process will automatically upgrade your membership based on the information that you supply...it's quick, and it's easy ~ After all, it's all about YOU!

Just a reminder:

Chapter Members in good standing (paid dues) **\$10.00** per meeting – lunch included.

Non-Chapter Members **\$15.00** per meeting – lunch included.

I am always available to discuss your questions and concerns, or if you have a good idea or suggestion on how we can increase membership – We are interested!

Drop me an email Membership@ASHRAE4GREENVILLE.COM or call me at 444-0219

Best Regards,
Dorothy Bertolini
Membership Chair – ASHRAE Greenville SC
membership@ashrae4greenville.com

Chapter Programs

This month, the technical presentation is entitled “Introduction to Mold.” Please RSVP so that we can make arrangements to have the appropriate amount of food available.

January Meeting

Program: “Introduction to Mold”

Presenter: Andrew G. Schauder, CIH

Mr. Schauder is President and owner of Environmental Testing and Management, a professional industrial hygiene monitoring firm providing expertise in the areas of chemical monitoring, noise exposure monitoring, asbestos, and indoor air quality / mold issues. Mr. Schauder is an American Board of Industrial Hygiene Certified Industrial Hygienist with more than 30 years of broad-based industrial hygiene experience and more than 20 years of consulting experience. Mr. Schauder has been certified as an expert witness in both federal level courts and several state courts. He is the coauthor of two books on industrial hygiene topics, and continues to serve on several committees of the American Industrial Hygiene Association.

Mr. Schauder is actively involved assisting clients in the area of Indoor Air Quality, with investigations into chemical, mold and other building contamination.

Location: Roper Mountain Science Center (www.ropermountain.org)

Date: Thursday, January 10, 2013

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. “Introduction to Mold” Program

Cost: Lunch Program: \$10/chapter member \$15/non-chapter member (catered lunch)

Education Credit: The Technical Program qualifies for 1.0 PDH (including NC PE)

**Please RSVP to lowed@cxconsultants.com
No later than Noon Tuesday, January 8, 2013**

Chapter Technology Transfer

2013 Changes to Duke Energy Smart \$aver Incentives

With Duke Energy's Smart \$aver Incentive program, businesses can receive cash for installing high-efficiency lighting, HVAC, pumps and other qualifying equipment. The use of energy efficient equipment enables the business to improve its bottom line by reducing energy consumption. And Smart \$aver incentives help lower the costs associated with upgrades.

South Carolina: www.duke-energy.com/south-carolina-business/smart-saver-incentive-program.asp

North Carolina: www.duke-energy.com/north-carolina-business/smart-saver-incentive-program.asp

Duke Energy is kicking off 2013 with a simple, fully automated online application process. You can submit your Smart \$aver incentive applications and track their progress online. Duke Energy will still accept applications by email, mail and fax.

Duke Energy has a new mailing address for applications in 2013:

*Duke Energy
Smart \$aver Incentive Program
PO Box 2445
Spokane, WA 99210-2445*

The email addresses and fax numbers for applications will stay the same.

*Prescriptive Incentives:
PrescriptiveIncentives@duke-energy.com
866-908-4921
Custom Incentives:
CustomIncentives@duke-energy.com
980-373-9755*

Incentive changes effective in January 2013

Incentives offered to North and South Carolina businesses for many standard and high output T8 and all T5 fluorescent lamps replacing T12 fixtures ended on Dec. 31, 2012. In addition, incentives for premium motors were also be removed from the Smart \$aver® Prescriptive program.

Duke Energy is also adding new measures and requirements to the Smart \$aver Prescriptive program. The following changes will be effective beginning January 1, 2013.

Lighting incentive updates include the following measures:

- T8s replacing T12s, delamping, retrofit only
- CFL screw-in dimmable or three-way bulbs
- CFL flood lamps with reflectors
- Energy Star® LED bulbs and downlights
- Exterior and garage lighting
- Food service incentive updates include:
 - ECM motors for walk-in cooler and freezer cases
 - Pre-rinse sprayers
 - Snack machine controllers
 - Beverage reach-in controllers
 - Door gaskets
- HVAC incentive updates include guest room energy management controls



Information on the prescriptive savings for North Carolina and South Carolina is available here:
http://www.duke-energy.com/pdfs/SS-Comprehensive-Prescriptive-NC_SC.pdf



REMINDER: BUILDING ENERGY CODE Changes for 2013

On April 2, 2012, South Carolina adopted the 2009 IECC as the South Carolina Energy Standard to become effective on January 1, 2013. The 2009 IECC allows ASHRAE/IESNA 90.1-2007 as an option to demonstrate compliance. However, if ASHRAE/IESNA 90.1-2007 is used, it must be used for all parts of code compliance; envelope, lighting, mechanical or service water heating.



A detailed comparison of ASHRAE 90.1-07 and 2009 IECC is available on
<http://www.energycodes.gov>.

The COMcheck product makes it easy for architects, builders, designers, and contractors to determine whether new commercial or high-rise residential buildings, additions, and alterations meet the requirements of the IECC and ASHRAE Standard 90.1, as well as several state-specific codes. COMcheck also simplifies compliance for building officials, plan checkers, and inspectors by allowing them to quickly determine if a building project meets the code.

SC, NC and GA can all use COMCheck, in addition to the majority of US States.
www.energycodes.gov/comcheck.

There is also a REScheck product for residential buildings available at www.energycodes.gov.
Need to learn more about Building Energy Codes? There are a number of FREE informative videos on <http://www.energycodes.gov/resource-center/eLearning> including videos on ASHRAE 90.1 (including Appendix G).

Myrna Dayan, CEM, LEED Green Associate
Chapter Technologies Transfer Chair, Greenville Region IV
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Event Dates for 2012-2013

Thursday 09/13/2012	LEED Litigation	Presenter: Stephanie Burton
Thursday 10/11/2012	Today's Project Design Challenges A Contractor's Perspective	Presenter: Bill Caldwell
Thursday 11/8/2012	Building Energy Quotient (BEQ)	Presenter: Thomas Phoenix
Thursday 12/13/2012	Solar Thermal Additional Seminar: Primary Secondary vs. Variable Primary debate	Presenter: Chris Edmondson, Distinguished Lecturer
Thursday 01/10/2013	Mold Control	Presenter: Andy Schauder
Thursday 02/14/2013	Acoustics/Vibration Best Practices for HVAC Equipment	Presenter: Dwight Landry
Thursday 03/14/2013	Residential Energy Efficiency	Presenter: James Groman
Thursday 04/11/2013	Responsible Use of Refrigerants Additional Seminar: Thermal Storage-Peak Load Avoidance	Presenter: Julian De Bullet, Distinguished Lecturer
Friday 4/26/2013	ASHRAE Golf Tournament	
Thursday 05/9/2013	HVAC Equipment Research at Oak Ridge National Laboratories	Presenter: Heather Buckberry



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Region IV
Greenville Chapter