



Giga-Joule

Greenville Chapter

November, 2010

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

Meeting Announcement

The November meeting will be held on Thursday, November 11th at the Roper Mountain Science Center in the Weather Room. Note this is a different location than our typical meeting place (on the second floor of the main building across the courtyard from our usual building. As you enter from the parking lot it is on the second floor back right.). The details are listed on the Programs Page. For more information, please contact our Programs Chairman, Grant Wiegmann, by phone at 864-672-6105 or email at programs@ashrae4greenville.com

A Message from the President

The review's on attorney Ward Lambert's presentation on liability issues and construction insurance were very positive. I would like to thank Mr. Lambert for taking time out of his schedule to talk to us. For the November meeting we are going back to a more traditional subject, humidity.

Also, I'd like to thank Greenville Technical College and Greenville County Codes Enforcement for hosting the seminar on the 2006 IECC. The seminar also had a heavy sprinkling of Standard 90.1-2004, which is referenced in the code as an alternate means of compliance.

Chapter Administration

The Board of Governors meeting for October 19 including discussion on the following:

- Discussion on individuals willing to fill the historian position.
- Finances
 - Possible use of Paypal
 - Bill Knight is doing an audit style review of last year
- Review of meeting speaker status.
 - Dennis Knight's December subject will be "Right Sizing" in lieu of the 2009 codes.
 - Only open meeting May
- Research Promotion
 - Golf tournament. October 22.
 - Meeting sponsorship for \$250.
- Student Activities
 - One ASHRAE scholarship applicant and interview
- 2012 CRC Preliminary Planning – (Greenville chapter host's August 2012)



Devon Cortright

President

president@ashrae4greenville.com

Devon Cortright
Greenville ASHRAE President
president@ashrae4greenville.com

Chapter Programs



Take special note that **this month's meeting will be held in a different room at the Roper Mountain Science Center – the Weather Room (on the second floor of the main building across the courtyard from our usual building. As you enter from the parking lot it is on the second floor back right.)** Our speaker for next month is one of our own members – Chris Adams, president of Adams Companies Inc. He will be speaking on a few topics related to Psychrometrics including properties of air, movement around the Psychrometric Chart, and also refrigeration and desiccants. Please see the meeting agenda below for information on the program. As always, we welcome feedback on past programs and suggestions for future ones. I hope to see you all next week for what should be a great topic.

Grant Wiegmann
Programs Chair
programs@ashrae4greenville.com

November Meeting

Program: Psychrometrics for Indoor Air Quality

Presenter: Chris Adams

Chris Adams, EIT is currently the President of Adams Companies Inc, a Manufacturing Representative Firm that represents Aaon, Inc., Sanyo ECOi, Bry-Air, and numerous other indoor air treatment lines. The company's primary focus is on the proper conditioning, treatment, and introduction of air into spaces for proper indoor air quality as it relates to Energy Efficiency, Mold/Mildew Control, Demand Control Ventilation, and other IAQ topics. Chris is a graduate of North Carolina State University, Class of 1993 with a Mechanical Engineering Degree. Chris also holds an MBA from the University of North Carolina – Charlotte which he received in 2000.

Chris is experienced in numerous aspects of treating air as it is introduced into commercial and industrial spaces. The focus of his efforts are to supply air and maintain spaces at the proper temperature and relative humidity necessary for both comfort and the minimization of moisture related issues. He has been a lecturer on topics including indoor air quality, DX dehumidification of return and outside air, energy recovery, desiccant dehumidification, VRF technologies, and indoor pool environment air control.

Prior to his current position, Chris worked for General Electric for 11 years with his focus on the repair of power generation equipment including steam, gas, and nuclear power generating stations and there electrical and mechanical components. He is a Certified Six Sigma Quality Master Black Belt. He is also a graduate of MDC, GE's Management Develop Course.

Chris is an Active ASHRAE member since 2005. He held the membership promotion chair for the Greenville, SC Chapter from 2006 to 2008.

Location: Roper Mountain Science Center – **Weather Room** (www.ropermountain.org)

Date: Thursday, November 11, 2010

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 a.m. to 1:00 p.m. Main Program

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

Education Credit: This program qualifies for 1.0 PDH (including NC PE)

**Please RSVP to programs@ashrae4greenville.com
No later than Noon Tuesday, November 9, 2010**

Membership Corner

MEMBERSHIP PROMOTION MEETING – NOVEMBER 11TH

ASHRAE Greenville would like to extend a warm welcome to our newest members and as always thank our returning members for their support throughout the year. Thank you to all who participated in our Fall Golf Tournament.



Please join us for our First of two **Membership Promotion Meetings** on Thursday November 11, 2010 at the Roper Mountain Science Center. You are encouraged to bring a friend along with a completed ASHRAE Membership application and payment to the meeting and you will be our **GUEST (Greenville Chapter of ASHRAE)** for the afternoon.. This is open to any existing member who brings a potential new member, again with completed Membership form and payment **YOU** will also be entitled to a **FREE** lunch at this meeting.

(NOTE: Forms are available by going to www.ASHRAE.org or the day of the meeting)

Invite, invite, invite – ASHRAE is open to any person associated with heating, ventilation, air conditioning or refrigeration through such disciplines as indoor air quality and energy conservation. We offer a few different types/grades of Membership – Member, Associate, Affiliate and don't forget Students.

Note to existing members – please update your bios on the at www.ashrae.org

We are always looking for ideas on how to increase membership – We welcome any input throughout the year.

For questions and applications, contact me. membership@ashrae4greenville.com or (864) 444-0219

Best Regards,
Dorothy Bertolini
Membership Chair
Membership@ashrae4greenville.com

Chapter Technology Transfer

CTTC

Energy Related Tax Credits

There is a website with a database of energy related tax credits and rebates for both commercial and residential applications by state. Many of these credits expire at the end of the year. Go to <http://www.dsireusa.org/> and select the state the project is located in. DSIREUSA stands for Database of State Incentives for Renewables & Efficiency – what did you think it meant?



Devon Cortright PE
Chapter Technology
Transfer Chairman
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PDH's

As we approach the end of the calendar year several of you may be scrambling to add a few more Professional Development Hours (PDH). South Carolina's PE Continuing education year runs from July through June, but many surrounding states are on a calendar year, such as Georgia and North Carolina.

Most states require professional engineers to obtain 15 PDH's each year. The ASHRAE Chapter meetings and seminars are a good source for those hours. The South Carolina Society for Professional Engineers (SCSPE) meets on the second Monday at the Hilton for a lunch meeting. The cost is \$30 for non-members and \$20 for members. They also offer PDH contact hours with their technical presentations. Contact Greg Mitchell at Greg.Mitchell@rmtinc.com to RSVP.

USGBC and ASPE also hold monthly meetings in the area. Some of these may qualify as engineering PDHs. The upstate branch of the USGBC meets on the third Thursday, typically Carolina First Center. The cost is typically \$15 for members and \$20 for non-members. RSVP through the website at www.usgbcsc.org. ASPE (American Society of Plumbing Engineers) meets the first Tuesday of each month at Stax Grille.

North Carolina PDH Documents

Effective May 1, 2009 revised regulations for PDH's in North Carolina went into effect – I just found out about it myself. All NC licensees are required to maintain a log of their contact hours along with supporting documentation. The log should include the following:

- Date and time of event
- Sponsoring organization
- Instructor's name
- Location
- Title or specific subject
- Type of activity
- Duration
- PDHs earned
- A brief explanation of how the activity will benefit you and the skills necessary for your field of practice.

A sample log can be downloaded from www.ncbels.org/cpclog.html. You can also create an on-line log at ncbels using your NC license number and a password. If you are interested in a version of the form in MSWord drop me an e-mail.

Devon Cortright, P.E., LEED AP
Chairman Chapter Technologies Transfer, Greenville Region IV
ASHRAE Member Since 1982

Tentative Event Dates for 2010-2011

Thursday 09/09/2010	September Chapter Meeting: Building Leakage & Testing	Presenter: Rodney Hinton
Thursday 10/14/2010	October Chapter Meeting: Product Liability & IAQ Liability	Presenter: Ward Lambert
Friday 10/22/2010	ASHRAE Golf Tournament	
Thursday 11/11/2010	November Chapter Meeting: Humidity Control and Outside Air	Presenter: Chris Adams
Thursday 12/09/2010	December Chapter Meeting: IBC Codes	Presenter: Dennis Knight
Thursday 01/13/2011	January Chapter Meeting: Open Control System or What's in a Name?	Presenter: Bryan T. Lampley, P.E.
Thursday 02/10/2011	February Chapter Meeting:	Presenter:
Wednesday 03/10/2011	March Chapter Meeting: Steam Traps	Presenter: Chris Edmundson
Thursday 04/14/2011	April Chapter Meeting: Energy Storage for a Low Carbon Future	Presenter: Mark Johnson
Thursday ?	ASHRAE Golf Tournament	
?	ASHRAE Webcast:	
Thursday 05/12/2011	May Chapter Meeting:	Presenter:



ASHRAE
Technology for a Better Environment

Region IV
Greenville Chapter