



Giga-Joule

October 2013

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

Meeting Announcement

The October meeting will be held on Thursday, October 10 at the Roper Mountain Science Center. For more information, please contact our Secretary, Ryan Tonnsen, at secretary@ashrae4greenville.com.

A Message from the President

Christ Edmondson, one of our most popular speakers is returning to bring his highly educational and interesting presentations! Chris will be providing a presentation for our Asheville branch and also for our Clemson University student branch. See the schedule below for more details on these events and all our 2013-2014 meetings.

December 05, 2013 will be an important meeting for all Greenville Chapter members. We are having an evening meeting for our 50th anniversary Greenville Chapter of ASHRAE at the Hyatt in downtown Greenville, SC.

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 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.

Daniel Lowe
Greenville ASHRAE President
lowed@cxconsultants.com



Membership Promotion

Greenville ASHRAE Members,

Greetings from Membership Promotion! I write this to ask two favors from each of you. First, please make sure to attend this month's seminar on October 10th. Second, please bring a friend, and ask them to join ASHRAE! As a chapter we are always looking for new members, and we need your help in recruiting them. If you are asked, dues are \$180.00 per year for associate members, \$50.00 for affiliate members (first year, under 30), and \$20.00 for students. This includes the monthly ASHRAE Journal, the ASHRAE Handbook, local membership, invitations to local seminars, and access to all of ASHRAE's information located at www.ashrae.org. Thank you in advance for your help in promoting our chapter, and I look forward to seeing you all on October 10th.

Tigue Garick

Membership Promotion Chair

Greenville ASHRAE

C: 864-616-0592.



October Meeting

Presenter: Chris Edmondson

Program: "ASHRAE 90.1 – 2010 Waterside Economizer Standards"

Location: Roper Mountain Science Center (www.ropermountain.org)
Date: Thursday, October 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. "ASHRAE 90.1 – 2010 Waterside Economizer Standards" Program
Cost: Lunch Program: \$10/chapter member \$15/non-chapter member (catered lunch)
Education Credit: The Technical Programs qualify for 1.0 PDH (including NC PE).

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

Chapter Technology Transfer



I am looking forward to serving again as Chapter Technology Transfer Chair.

We have put together some great programs for this year including FOUR Distinguished Lecturers, Chris Edmondson, Thomas Werkema, Daniel Nall and Chuck Gullledge. This year's program topics will range from Water Economizer Standards, Liquid Desiccant Technology, Thermally Active Structures for Green Buildings, Enclosure Commissioning to Integrated Building Design. We still have some openings so we welcome any input for program topics or speakers.

Our ASHRAE chapter programs are a great way to earn PDHs. Please remember to sign in and pick up a certificate at each meeting. NC PEs will need to use an additional sign in sheet and complete an additional program evaluation form in order for our meetings to retain PDH approval by the NC Engineering Board.

Technology Awards

ASHRAE Technology Awards recognize local members at the chapter level for outstanding design and innovations for effective energy utilization. The deadline for the Greenville Chapter will be March 1st, 2013.

Technology Awards Categories include:

- Commercial Buildings (New & Existing)
- Institutional Buildings
 - Education Facilities (New & Existing)
 - Other Institutional (New & Existing)
- Health Care Facilities (New & Existing)
- Industrial Facilities or Processes (New & Existing)
- Public Assembly Facilities (New & Existing)
- Residential Buildings (New & Existing)

Winning entries in each category will compete at the Regional Competition for a chance to compete at Society level. The publicity could be a great marketing opportunity for you, your firm and your client. More information is available on the ASHRAE website at <http://www.ashrae.org/membership--conferences/honors--awards/technology-awards-program>. The short form may be used for the Chapter competition. We look forward to your entries!

In addition, there are Refrigeration Awards available in both non-comfort cooling and comfort cooling refrigeration applications, which highlight innovation and/or new technologies. The deadline for submission to the Society Refrigeration committee is May 1st. Further information on the Refrigeration Awards can be found on the ASHRAE website at: <http://www.ashrae.org/society-groups/committees/refrigeration-committee>

Revision to North Carolina Engineering Board Rules

Below is a revision to North Carolina Board Rules which requires the license number of firms on all engineering documents.

****Reminder to all Firms - Revised Board Rules .1103(a)(6) and (b)(5) now makes it a requirement for the firm's license number to be placed on all documents, specifications, reports, etc. The revised rule does not require a firm seal. Firm's only need to put their firm license number on the documents. Since the firm address is also required, an acceptable example would be to put both the firm address and firm license number in a title block on the documents. The firm license numbers begin with the letter "C", "P", "D" or "F" depending on the type of licensure obtained with this Board.****

Standard 90.1-2010 – in NC and US DOE (from ASHRAE Government Affairs)

The North Carolina General Assembly has been considering legislation (HB 201) to roll back building energy codes to previous, less efficient versions. Now, as a result of recent amendments the bill only applies to the commercial code, so if enacted, the code would revert to the 2009 state code. The 2012 iteration of the state energy code includes a requirement for compliance either with ANSI/ASHRAE/IES Standard 90.1-2010 or to be 20% more efficient than the 2007 version of Standard 90.1.

After a sudden and unexpected re-referral to the Senate's Rules and Operations Committee on June 24, which delayed floor consideration for at least one week, it appears that further discussion on the bill – at least, for the 2013 legislative session – is unlikely.

However, HB 201 may be considered in the 2014 session. The rules for "carrying over" legislation in North Carolina are complicated, but it is still conceivable that the code roll-back will come back up once the General Assembly re-convenes early next year.

In contrast, the U.S. Department of Energy (DOE) issued a new final rule that requires new federal commercial and multi-family high-rise residential buildings to meet or exceed by 30% (if life-cycle cost-effective) ANSI/ASHRAE/IES Standard 90.1-2010 Energy Standard for Buildings Except Low-Rise Residential Buildings. The requirements apply to new federal buildings for which design for construction begins on or after one year from July 9, 2013 (the date the regulation was issued). DOE issued this rule after conducting an analysis of Standard 90.1-2010, and determining that the new version of 90.1 would achieve greater energy efficiency in a cost-effective manner than the prior version. The Department conducted this analysis under the requirements of the Energy Conservation and Production Act.

Public Review of Standards

The ASHRAE public review process is designed to allow anyone to comment on

- a standard that is being proposed, revised, or reaffirmed;
- a proposed or revised guideline;
- a proposed addendum to a standard; or
- a proposed title, purpose, and scope for a standard or guideline that is being developed.

The project committee for the standard or guideline will respond to each comment unless it decides to submit a revised draft for another full public review.

<https://www.ashrae.org/standards-research--technology/public-review-drafts>

Myrna Dayan

Chapter Technologies Transfer Chair, Greenville Region IV

myrna@mail.ashrae.org

JAMES CHRISTOPHER EDMONDSON
CEO
James M. Pleasants Company, Inc.
Greensboro, NC

Chris Edmondson received his B.S. Degree in Mechanical Engineering from North Carolina State University in 1967. During his 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 Co., 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 till 1987. From 1987 to 2010, he has served as President of the Pleasants Company. Chris is currently CEO of James M. Pleasants Company.

Chris has served many years in the ASHRAE organization, holding positions such as Secretary/Treasurer, Vice President and President of the Piedmont Chapter. For the fiscal year, 1985-86, Chris received the Rudy Ferguson Memorial Award (Presidential Award of Excellence). In 1985, he became a Technical Speaker to various ASHRAE chapters which continued through 1989. He spoke at ASHRAE's CRC Region VII meeting in 1992 and also at Birmingham's Region VII Meeting as a Technical Speaker. He held the position of Educational Activities Vice Chairman for Region IV from 1992 to 1994. In 1995 he was the Chapter Program Chairman for Region IV. He has served as Region IV DRC and on the ASHRAE Board of Directors. He is a Distinguished Lecturer for ASHRAE and is serving on the nominating committee. During 1980 through 2013, he has presented seminars to various engineers on the following subjects:

- Basic Primary/Secondary Variable Volume Pumping
- Chiller Plant Piping
- Air Control Systems
- Plumbing Piping Systems
- Cooling Tower Piping
- Basic Steam Piping
- Condensate Return Systems
- Hot Water Recirculation

His principal areas of interest are energy savings, primary/secondary variable volume systems, heat transfer, hydronic systems, plumbing piping systems and central chilled water plant design.

Event Dates for 2013-2014

Thursday 09/12/2013	Meet and Greet MEMBERSHIP PROMOTION MEETING	
Wednesday 10/09/13	<p style="text-align: center;">ASHEVILLE Meeting @ Lenoir-Rhyne University Center for Graduate Studies of Asheville 36 Montford Ave., Asheville noon-1:30pm</p> <p style="text-align: center;">ASHRAE 90.1 – 2010 Waterside Economizer Standards</p>	<p>Presenter: James C. ("Chris") Edmondson, Jr. Distinguished Lecturer</p>
Thursday 10/10/2013	ASHRAE 90.1 – 2010 Waterside Economizer Standards	<p>Presenter: James C. ("Chris") Edmondson, Jr. Distinguished Lecturer</p>
Thursday 11/14/2013	Liquid Desiccant Technology	Presenter: Steve Blinn
November	Golf Tournament @ Verdae	
Thursday 12/05/2013	<p style="text-align: center;">ASHRAE Greenville 50th Anniversary Party Greenville Hyatt 5pm-12am</p> <p style="text-align: center;">Featured Program: Climate Change</p>	<p>Presenter: Thomas E. Werkema, Jr Distinguished Lecturer</p>
Thursday 01/09/2014	Thermally Active Structures for Green Buildings Joint meeting with USGBC	<p>Presenter: Daniel Nall, PE Distinguished Lecturer</p>
Thursday 02/13/2014	Ammonia Refrigeration Systems	<p>Presenter: Doug Reindl, Ph.D Distinguished Lecturer</p>
Thursday 03/13/2014	<i>Tentative</i> The Art and Science of Building Enclosure Commissioning	Presenter: Fiona Aldous
Thursday 04/10/2014	Variable Volume Pumping	Presenter: David McDaniel
Thursday 05/08/2014	Integrated Building Design	<p>Presenter: Charles E. ("Chuck") Gulledge III, PE Distinguished Lecturer</p>



Unless otherwise stated meetings are:
 2nd Thursday of the Month
 11:30am – 1pm
 Wilkins Conference Center
 Roper Mountain Science Center