



Giga-Joule

Greenville
Chapter of
ASHRAE

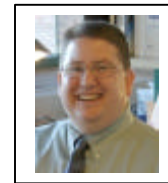
September 2004

Meeting Announcement

This month's meeting will be held on Monday, September 27, 2004 from 11:30 AM to 1:00 PM at the Roper Mountain Science Center located at the intersection of I-385 and Roper Mountain Road.

For directions, please surf over to www.ropermountain.org, www.ashrae4greenville.com, email programs@ashrae4greenville.com, or call James Bryan 864-298-2148.

A Message From the President



Karl Counts PE
Greenville
Chapter President

Happy New Year!

September is the beginning of the new ASHRAE year and it's my privilege to serve as your Chapter President for 2004 – 2005. I first have to say thank you to the fine officers of last year for their dedicated service. We had a very good year, last year. I was proud to present our annual report this past August to the Region 4 CRC (Chapter Regional Conference) in Myrtle Beach. This report highlighted some of the significant successes of our chapter. The Greenville Chapter is in really fine shape financially. We had a very good year for raising money for research, especially considering the economic realities of the past year. We had strong technical programs at our chapter meetings and also at Clemson University. We also had a lot of enjoyable times at our meetings and outings.

This new ASHRAE year, while we maintain these same high levels of performance, let's make two new resolutions.

Resolution 1: The chapter (and Society) exists of members to serve members. Let's strengthen our chapter by bringing more friends to our meetings. There are many good friends and engineers who have either never been to a meeting or have fallen out of the habit of coming. Please accept my sincere invitation to join us for as many meetings as you are able, and bring a friend!

Resolution 2: Invest a little more in your chapter. If you aren't involved, talk with me about helping out on a committee. Involvement with ASHRAE has been one of the most rewarding experiences of my entire professional career. You meet the best people and the best minds in the business. Once you gotten a taste, you'll wonder just like I did, "why did I wait so long?"

If you have any questions or comments, please feel free to contact me.

Karl F Counts PE
Greenville ASHRAE President
president@ashrae4greenville.com

Chapter Programs



2003-2004 was a good year for programs at the Greenville Chapter. Karl Counts did an excellent job selecting programs including 2 distinguished lecturers. I'm planning to another successful year full of informative topics. Let's jump-start the year with a program on constant volume zoning. Please make note of the schedule change for this month's meeting. Next month we'll return to our normal schedule (3rd Tuesday of every month).

Location: Roper Mountain Science Center (reference front page for directions, etc.)

Date: Monday, September 27, 2004 ? **Special Day**

| | |
|--------------------------|------------------|
| Time: 11:30 a.m. | Doors Open |
| 11:35 a.m. | Lunch Served |
| 11:50 a.m. to 12:00 p.m. | Chapter Business |
| 12:00 p.m. to 1:00 p.m. | Main Program |

Program: Constant Volume Zoning System Design

This program will review all aspects of designing constant volume systems and controls schemes. It is designed to help provide application and design techniques for building HVAC zoning systems. The class outline is as follows:

- VAV verse Constant Volume Zoning concepts and design considerations
- Pressure Dependent and Pressure Independent applications and design
- System zoning applications and decisions
- Duct sizing and zone layout criteria
- Bypass system design
- Sequences and modes of control for zoning systems

Presenter: Jeff Swiderski

Jeff has a BSE in electronic engineering. His background in DDC control systems began in 1983 with Parker Electronics, where he began designing HVAC DDC system products for many applications. Jeff is currently the president of the Carrier Control Council, which is a group of DDC control engineers from around the world who gather to discuss and direct the engineering efforts of designed products as pertained to market trends and changes.

Cost: \$10/person (includes a catered lunch).

Guests are welcome!

Education Credit: This program qualifies for 1.0 PDH

James Bryan PE
Programs Chairman

Please RSVP to programs@ashrae4greenville.com no later than Monday September 20, 2004

Membership Corner

This year's big news for ASHRAE Membership is the new affiliate grade membership. The affiliate grade is open to new members under 30 and can be held for up to three years. Annual Society dues are \$40 for the affiliate grade.

New members since our last meeting are Joe Nichols, Roland Temple, Eric Scott, Robert Harrison, Curtis Culbreath, and Robert Foldes. Welcome aboard.

October's meeting will be one of our Membership promotion meetings for this year. If you bring a prospective member to the meeting that prospect will eat free, and if the prospect completes an application at the meeting you eat free also!

Applications can be obtained at our regular meetings or call me at (864) 233-7966.

Caroll Suttles
Membership Chairman

Technology, Energy, & Government Activities

Technology Awards

Know of an innovative project that may be award worthy? If so, submit it for an ASHRAE Technology Award. Contact me or visit: <http://www.ashrae.org/standcom/tegaward.htm> for forms and more information. Then proceed as follows:

- Complete the "Short Form" and use it as the cover page.
- Provide a system schematic/diagram not larger than 11" x 17" in size. In addition, attach a brief narrative (maximum of 2 pages). The narrative should include the gross and net building areas applicable to the project, a description of the major building areas (i.e., operating rooms, laboratories, computer rooms, industrial processes, offices, warehouses) and a brief discussion regarding the following five criteria (if a criterion is not applicable, state accordingly):
 - Energy Efficiency
 - Indoor Air Quality
 - Innovation
 - Operation & Maintenance
 - Cost Effectiveness
- Submit your schematic, brief narrative, and completed form to me for judging at the Chapter level.

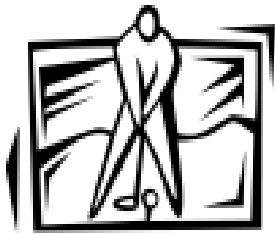
Applicants will receive recognition and have the chance to advance to Regional & Society level competition.

Jamie Porterfield
CTT (Chapter Technology Transfer Chairman)

Resource Promotion

I'm looking forward to a productive year as RP Chairman for the Greenville Chapter. I've done this twice before for the North Piedmont Chapter so I hope to use that experience to build on Ken Clark's past year. He is amazingly organized and has graciously agreed to help out with whatever he can. I'll need some additional volunteers for calling campaigns, etc., so if you're interested in helping out, RP is the way to go.

We raised \$7,621 last year, which was fair considering the local economy, but our goal for 2004-2005 is \$10,149. I hope to accomplish this by getting most, if not all, members to commit to at least par, which is \$50, which only amounts to 27 cents per day. Most of us spend four times that much in our break rooms each day. If you haven't filled out your membership renewal yet, please consider adding that \$50 with your renewal fee and remember to check off the donation to RP.



To kick off our Resource Promotion fund raising campaign for 2004-2005, we'll be holding our **Fall ASHRAE Golf Outing**. Here are the details.

Date: Wednesday, October 27th, 12:00 noon,
Location: River Falls Plantation in Spartanburg.
<http://www.riverfallsgolf.com>

Details and signup forms for golfers & sponsors will be available soon. In the meantime, start recruiting your winning foursomes now! We'll be having a shotgun start with a box lunch. Plan on arriving around 11:00 for sign-up and quick bite before heading out to the range to warm up. Foursomes playing with a new ASHRAE member get a stroke off your final score. To qualify, the new member must bring his completed membership form. Please take advantage of this opportunity for a great afternoon of Fun, Fellowship & Fund raising!

I want to personally thank all of you who have worked for and contributed to, Resource Promotion in the past. We'll be having an RP night in November to recognize individual donors (\$50 and up) and companies (\$150 and up) who have helped make ASHRAE what it is today.

If anyone has any ideas on fundraising events that we could apply to this Chapter please see me after the meeting. Thanks!

Dennis O'Keefe
Resource Promotion Committee Chairman

Greenville Chapter ASHRAE

2004-2005 Chapter Officers

| Office | Officer | Company | Phone | Fax | email |
|----------------|-------------------|----------------------|----------|----------|--|
| President | Karl Counts | Maddox Engineering | 250-2143 | 2338460 | president@ashrae4greenville.com |
| Programs/ VP | James Bryan | O'Neal, Inc. | 298-2170 | 298-6330 | programs@ashrae4greenville.com |
| Secretary | Karl Counts | Maddox Engineering | 250-2143 | 2338460 | president@ashrae4greenville.com |
| Treasurer | Devon Cortright | H2L | 233-8844 | 232-2679 | dcortright@h2l.com |
| Membership | Caroll Suttles | Piedmont Natural Gas | 233-7966 | 233-6104 | membership@ashrae4greenville.com |
| Resource Prom. | Dennis O'Keefe | Piedmont Natural Gas | 250-2822 | 250-0585 | resourceProm@ashrae4greenville.com |
| CTT | Jamie Porterfield | Air Concepts | | | ctt@ashrae4greenville.com |
| Historian | Steve Abernathy | Piedmont Natural Gas | 233-7966 | 233-6104 | history@ashrae4greenville.com |
| Webmaster | Karl Counts | Maddox Engineering | 250-2143 | 2338460 | president@ashrae4greenville.com |

Tentative Meeting Dates for 2004-2005

September 27, 2004

October 19, 2004

November 16, 2004

December 14, 2003

January 18, 2004

February 15, 2004

March 8, 2004

April 19, 2004

May 17, 2004

