



# *Giga-Joule*

**Greenville  
Chapter of  
ASHRAE**

**October 2004**

## *Meeting Announcement*

This month's meeting will be held on Tuesday, October 19, 2004 from 5:00 PM to 5:45 PM at the offices of Piedmont Natural Gas on the 3<sup>rd</sup> floor of the SouthTrust Building located at 201 West McBee Street in Downtown Greenville. The SouthTrust Building is located in the block of McBee Street between Richardson Street and Academy Street.

## *A Message From the President*

The Greenville Chapter thanks Jeff Swiderski for his fine presentation last month on Constant Volume Zoning. This month we have one of our own past presidents, Paul Jensen, delivering a presentation on Vertical Self-Contained DX Units. Paul will follow the program with a guided tour of an installation at the Poinsett Plaza. Since we will be in downtown Greenville, we plan a little socializing afterward. I hope many of you will join us after the program.



**Karl Counts PE  
Greenville  
Chapter President**

Now I'd like to take the time to tell you a few things about the fine members who have given their time and efforts to be your officers and chairmen this year. I guess I should start with myself. My paying occupation is as a registered engineer with Maddox Engineering stationed at Enwright Associates. Last year I served as your Programs Chairman. I will continue as the chapter Webmaster, too. James Bryan has moved up from his Secretary post last year to be our Programs Chairman and President-Elect. James is a registered engineer with O'Neal. Devon Cortright is returning for his third year as our Treasurer. Devon is a registered engineer with H2L. Carroll Suttles returns for his second term as Membership Chairman and is a past chapter president. Carroll is also a registered engineer, and he works for Piedmont Natural Gas. Dennis O'Keefe is a transplant from the North Piedmont Chapter (Greensboro), where he was a past president. Dennis works for Piedmont Natural Gas in Spartanburg, and takes up the reigns of our Resource Promotion Chairman. Jamie Porterfield is our new CTT Chairman. Jamie is president of his own mechanical contracting firm, Air Concepts Inc. Steve Abernathy, a registered engineer with Piedmont Natural Gas, remains as our chapter Historian. Steve has served so many offices with our chapter, and has served on the Greenville Board of Governors for 17 straight years! Steve received the ASHRAE Chapter Service Award at this past year's CRC for his continual dedication to the Greenville Chapter. Bill Knight continues into his 6<sup>th</sup> year of service as the Region 4 Refrigeration Chairman. He is also our Greenville CRC Chairman. Next year's CRC will be Bill's 3<sup>rd</sup> event that he has either directed or played a key role in. Bill is a mechanical Engineer with the Greenville County School System. Your Greenville Chapter Board of Governors includes all of these fine men and also two additional at-large members. These two members are past Greenville Chapter presidents Patrick Leake of James M Pleasants Company and Mark Schnetzka of York International.

This is an outstanding group of individuals, and we have a great time leading the chapter. If you have any questions or comments, please feel free to contact me.

Karl F Counts PE  
Greenville ASHRAE President  
[president@ashrae4greenville.com](mailto:president@ashrae4greenville.com)

## Chapter Programs



For October's Meeting we have something special planned. We will hold our meeting at the end of the day and follow it with a facility tour to illustrate the program application. We are fortunate to have a convenient meeting spot at Piedmont Natural Gas's offices in the SouthTrust Building. Following the meeting we will stroll up to Main Street and tour the mechanical systems at the Poinsett Plaza. This meeting will not be catered, but we invite all members and guests to join together for a social hour after the tour at the Wild Wing Café on Washington Street. The meeting is free, so spend a few dollars on the beverage or snack of your choice and get to know your fellow ASHRAE members better.

**Location:** Piedmont Natural Gas, 3rd Floor Conference Room (see front page for directions)

**Date:** Tuesday, October 19, 2004

<b>Time:</b> 5:00 p.m.	Doors Open	<b>?• Special Time</b>
5:10 p.m.	Chapter Business	
5:15 p.m. to 5:45 p.m.	Main Program	
5:45 p.m. to 6:15 p.m.	Facility Tour at Poinsett Plaza	
6:20 p.m.	Social Hour @ Wild Wings	

**Program:** *Vertical Self-Contained Water Cooled DX Units for High Rises*

This program will review the application of vertical DX units with integral water-cooled condensers in mid-sized high rise buildings. This application is used frequently for buildings starting at 3 stories. Vertical self-contained DX units offer some distinct advantages over traditional packaged rooftop units and they are gaining popularity in Greenville, too. This program will introduce the application, explain the necessary equipment components, and compare and contrast the system with RTU's and Air-cooled Chilled Water Applications.

**Presenter:** Paul Jensen

Paul Jensen has a bachelor's degree in mechanical engineering from Georgia Institute of Technology. Paul has been a sales engineer with the Trane Company and a member of ASHRAE since 1989. Paul is a past Research Promotion chair, Membership Chair, Secretary and President of the Greenville Chapter of ASHRAE.

**Cost:** \$FREE (No Food is Served).

**Guests are welcome!**

**Education Credit:** This program qualifies for 1.0 PDH

**James Bryan PE**  
**Programs Chairman**

Please RSVP to [programs@ashrae4greenville.com](mailto:programs@ashrae4greenville.com) no later than Friday October 15, 2004

## *Membership Corner*

October will be our first membership promotion night and as part of that we are announcing a membership drive. The member that recruits the most new members between now and the end of the ASHRAE year will receive a \$100 gift certificate to the restaurant of their choice. Please keep up with how many you have recruited and send that information to me. I will verify that information with ASHRAE's records, so your recruits will need to pay Society dues to count. Remember that there is a new Affiliate member grade that new members under 30 years of age can take advantage of the first three years they are members.

September Attendees: Karl Counts, Dorothy Bertolini, Bill Neal, Eric Scott, Jeremy Galloway, John Bindewald, Mark McKay, Curtis Hall, Gary Osteen, Allison Knox, Mike Pitts, Rodney Hinton, Jay McCutcheon, Paul Porter, Bob Dendy, Ken Clark, Eddie Arledge, Ron Fleischman, Scott Houston, Bill Knight, James Bryan, Devon Cortright, Walter Henson, Will Royall, Rusty Smith, Warren Maddox, Mark Schnetzka, Jim Critcher, Doug Petterson, Dennis O'Keefe, Caroll Suttles, Robert L. Carter, and Jeff Lindsey.

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):
  - Ø Energy Efficiency
  - Ø Indoor Air Quality
  - Ø Innovation
  - Ø Operation & Maintenance
  - Ø 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*

Golf Outing Sponsors/Volunteers Needed! The fall golf outing is fast approaching (October 27th) and we need hole sponsors as well as beverage cart drivers and people to man the registration table. If you can be responsible for a foursome, I'd appreciate that as well. I'll need some additional volunteers for calling campaigns, etc., so if you're interested in helping out, RP is the way to go. Please call or see me at the meeting to volunteer.

Speaking of golf, the most important word you'll hear from me is par, but not in the usual sense. ASHRAE's idea of par is a \$50 donation for individual members and \$100 for member companies. 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.

Our first report on Resource Promotion for the year from Atlanta has us at about \$1,500 in donations. Let's keep this up and our \$10,149 goal will be a breeze!



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

For those of you who've been asleep, we'll be holding our Fall ASHRAE Golf Outing on Wednesday, October 27th, 12:00 noon, at River Falls Plantation in Duncan. Details and signup forms for golfers & sponsors are available on the web and at the meeting, in the meantime start recruiting your winning foursomes now! We'll be having a shotgun start with a box lunch, so come around 11:00 to sign-up, grab a quick bite, and get out onto the range to warm up. Foursomes with a new member (must have completed membership form) get a stroke off your final score. Note that the membership incentive is not on the flyer. This will let me know who's been reading the newsletter!

We'll be having an RP feature in November to recognize individual donors (\$50 and up) and companies (\$150 and up) so please come to the November meeting to get the recognition that you deserve.

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

## Tentative Meeting Dates for 2004-2005

Monday, September 27, 2004

Tuesday, October 19, 2004

Tuesday November 16, 2004

Tuesday, December 14, 2003

Tuesday January 20, 2004

Tuesday, February 17, 2004

Tuesday, March 16, 2004

Tuesday, April 20, 2004

Tuesday, May 18, 2004



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Technology for a Better Environment