



Giga-Joule

**Greenville
Chapter of
ASHRAE**

April 2005

Meeting Announcement

We have a meeting on Wednesday, April 13th for a 3 hour Satellite broadcast program on Mold. The details are listed on the Programs Page. Please note that we have had a problem arise with our planned program for our normal meeting on Tuesday, April 19th. If we can schedule another program quickly, I will send out another notice. For more information, please contact Programs Chairman, James Bryan, by phone at 864-298-2148, email at programs@ashrae4greenville.com

Officer Nominations for 2005-2006

President: James Bryan
Treasurer: Devon Cortright

President-Elect: Eric Scott
Secretary: Scott Houston

A Message from the President

Karl Counts PE
Greenville
Chapter President



As we wind down the ASHRAE 2004-2005 year the Greenville Chapter is full of activity. I want to thank all of those who joined me for our joint meeting with the Mechanical Contractors Association last month. We all had a great time. That meeting is always jovial, and you get to loosen up with our contractor counterparts. The program was especially pertinent as Frank Wilson spoke on the changes in the Mechanical Codes being adopted in South Carolina.

We also had a great presentation and tour of the Sara Lee Bakery Facility the following week. The Sara Lee Bakery in Greenville produces bagels and frozen pizza dough (for a famous national restaurant chain). The folks at Sara Lee were very gracious to us and escorted us around their facility to gaze at their cold storage rooms, refrigerated mixers, shaved ice machine, the refrigeration room, and the aromatic Tower of Bagels. Sara Lee's ammonia refrigeration system is really first rate. It has recently been redesigned since the plant was expanded. Sara Lee even has a custom air handling unit on the roof with an ammonia cooling coil. The combined capacity of the refrigeration system is 1,750 tons. The ice machine can generate 600 pounds of shaved ice per hour. Shaved ice is used in some of the recipes to help control the dough mixture temperature. For those of you who missed the tour, you will just have to imagine the aromas we enjoyed walking by the 10-foot diameter spiral conveyor tower of freshly baked bagels.

Please plan on joining us for the Spring Golf outing on May 6th. See Dennis O'Keefe for sponsorship opportunities and registration!

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

We had two good meetings in March. I'd like to thank the Mechanical Contractor's Association and Frank Wilson, along with Kyle Herman for the Sara Lee plant tour.

This month the Greenville Chapter is pleased to feature an ASHRAE sponsored program on the problems of Mold in Building Environments. This will be a nationwide program brought to us via Satellite Broadcast. Please RSVP as today!



Moderator: Don Rheem

Program: ASHRAE Satellite Broadcast on Mold in Our Building

Environment. Recommended moisture control strategies will be shared by speaker **George Tsongas, Ph.D., P.E.**, consulting engineer, Portland, Ore., who will discuss *Understanding and Solving Moisture and Mold Problems*. These recommendations include raising indoor surface temperatures to lower surface relative humidities, reducing or eliminating indoor and outdoor sources, improving spot ventilation and keeping water away from buildings. Other Speakers and Programs will be:

Ron Bailey, P.E., president, Bailey Engineering Corp., Jupiter, Fla.

Wane Baker, P.E., director, air quality services, Michaels Engineering Inc., La Crosse, Wis., **The Multi-Disciplinary Nature of Mold Investigations.**

Christopher McDonald, Esq., partner, Shook, Hardy and Bacon, Kansas City, Mo., **Indoor Air Quality and Mold: Legal Issues and Liability Concerns for Engineers.**

Linda Stezenbach, Ph.D., director, microbiology division, Harry Reid Center for Environmental Studies, University of Nevada, Las Vegas, **Mold in Indoor Environments – Background Information and Monitoring Practices.**

Ray Patenaude, P.E., president, The Holmes Agency Inc., St. Petersburg, Fla., **Mold in the Building Environment.**

Location: Roper Mountain Science Center - Auditorium

(See front page for directions)

Date: Wednesday, April 13, 2005

Schedule:	12:15 p.m.	Doors Open
	12:30 to 1:00 p.m.	Lunch Served
	1:00 to 2:00 p.m.	Introductions and Two Presentations
	2:15 to 2:30 p.m.	Break
	2:30 to 3:30 p.m.	Three Presentations
	3:30 to 4:00 p.m.	Questions & Closing Remarks

Cost: \$25/person (includes a catered lunch)

Guests are welcome!

Education: This program qualifies for 2.0 PDH

James Bryan PE
Programs Chairman

Please RSVP to programs@ashrae4greenville.com no later than Thursday, April 7, 2005

Membership Corner

Attendees at the joint meeting with the mechanical contractors were Karl Counts, Curt Hall, Patrick Leake, Mark Schnetzka, Chris Adams, Bob Speer, Rodney Hinton, Ken Clark, and Chip Allison.

Attendees at our March 15th tour of Sara Lee were Karl Counts, Greg Kyzer, Steve Martin, Dennis O'Keefe, Jim Reeves, Caroll Suttles and Atul Desai.

New members this year are William Reynolds, Frank Bridges, Jeffrey Vestal, Michael Wienold, Jeff Lindsey, Lawrence Pittman, Jeremy Galloway, And Robert Foldes.

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

The next fundraiser for ASHRAE Resource Promotion will be our Spring Golf Outing. We've decided to hold the event at the Pebble Creek Country Club in Greenville. Date hasn't been determined yet, but in keeping with past traditions, it will be held during the first week in May. This will be a major fundraising effort and I'm hoping to fill up the course with hole sponsors. Please don't wait for me to call you. If you or your company can sponsor the event let me know and keep early May open!



Date: May 6th, 2005, 8:30 AM
Location: Pebble Creek Country Club, Greenville.
Information: <http://www.pebblecreek-club.com/>
(864) 244-8872

The excitement is growing! The event you've all been waiting for, the Annual ASHRAE Greenville Chapter Spring Golf Outing is only about 4 weeks away! We've decided to hold the event at the Pebble Creek Club in Taylors, SC on Friday, May 6th at 8:30 am. \$60 fee includes range balls, greens fees, cart, lunch, beverages and all the fellowship you can stand! Driving range and registration desk to open at 7:30 am. A \$50 gift certificate will be given for the 1st place team, closest to the pin, and longest drive. This will be a major fundraising effort so I'm counting on our proud sponsors to fill up the course with sponsorship signs. Special thanks to Hahn Mason Air Systems, Knauf Insulation, GmbH, and Waldrop Heating & Air Conditioning for already committing/paid for hole sponsors. Please make sponsorship checks out directly to ASHRAE Resource Promotion. If you or your company can sponsor the event let me know.

Once again, I'm listing Corporate Sponsors to the Greenville Chapter for the last 5 years. I would ask that the membership help support those contractors, architects, engineers and vendors, past and present, which have supported Resource Promotion, by making your purchases through them. It would be great if all these companies were spring golf outing sponsors – Hahn Mason, Knauf and Waldrop already are, how about you?

Accuflo Services Incorporated
Carrier Building Systems & Services
Carrier Corporation
The Copy Spot, Inc.
Devita & Associates, Inc.
Duke Energy Corporation
Duke Power Co.
Energy Engineering, Inc.
Hahn Mason Air Systems
Hefco LLC
Invesys Building Systems
James M. Pleasants Co.
Johnson Controls Inc.
Trane
United Engineering Group
York International

Marshall Clarke Architects, Inc.
Leblanc Welch Inc.
Miller Engineering Inc.
Palmetto Air & Water Balance, Inc.
Peritus Engineers & Associates, Inc.
Leblanc Welch Inc.
Miller Engineering Inc.
Palmetto Air & Water Balance, Inc.
Peritus Engineers & Associates, Inc.
Piedmont Natural Gas
R. L. Kunz, Inc.
Sanders Brothers, Inc.
Sonopress
Waldrop Heating & Air Conditioning
Wade Crow Engineering

Individual sponsors for this year's 2004–2005 Resource Promotion campaign include:

Mr. Phillip W. Scoggins
Mr. Patrick R Leake
Mr. Robert W. Wiggins, Jr.
Mr. Karl Counts
Mr. Edwin W Evans

Mr. Robert Speer
Mr. Paul E. Jensen
Mr. William D. Knight, Jr.
Mr. Dennis O'Keefe
Mr. James E. Reeves, Jr.

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	Day & Zimmermann	241-8335	241-6750	president@ashrae4greenville.com
Programs/ VP	James Bryan	O'Neal, Inc.	298-2148	298-6330	programs@ashrae4greenville.com
Secretary	Karl Counts	Day & Zimmermann	241-8335	241-6750	president@ashrae4greenville.com
Treasurer	Devon Cortright	H2L	233-8844	232-2679	dcortright@h2l.com
Membership	Caroll Suttles	Piedmont Natural Gas	235-5844 x3055	233-6104	membership@ashrae4greenville.com
Resource Prom.	Dennis O'Keefe	Piedmont Natural Gas	250-2822	250-0585	resourceprom@ashrae4greenville.com
CTT	Jamie Porterfield	Waldrop Heating & Air	578-7252		ctt@ashrae4greenville.com
Historian	Steve Abernathy	Piedmont Natural Gas	235-5844 x3054	233-6104	history@ashrae4greenville.com
Webmaster	Karl Counts	Day & Zimmermann	241-8335	241-6750	president@ashrae4greenville.com

Tentative Meeting Dates for 2004-2005

Mon 9/27/2004	Constant Volume Zoning Applications and Design	Jeff Swiderski, Carrier Controls
Tues 10/19/2004	Water-Cooled Vert. Self-Contained DX Applications Facility Tour: Poinsett Plaza (by Doug Black)	Paul Jensen, Trane Company
Tues 11/23/2004	10 Important Changes to the 2003 IMC	Tony Longino, Chief Mechanical Inspector
Tues 12/14/2003	Is It Raining In Your Boiler?	Chris Edmondson PE, James M Pleasants
Tues 1/18/2004	Application of ASHRAE Standard 15	Tom Watson PE, McQuay International
Tues 2/15/2004	HVAC Insulation, One Key to a Healthy Building	Glenn Brower, Knauf Insulation
Tues 3/8/2004	Joint Meeting with Mechanical Contractors Asso.	Frank Wilson, Bldg Codes Inspector
Tues 3/15/2004	Ammonia Refrigeration Design and Application	Kyle Herman, Sara Lee (w/Facility Tour)
Wed 4/13/2004	ASHRAE Satellite Broadcast on Mold	ASHRAE
Tues 4/19/2004	TBD	TBD
Tues 5/17/2004	Cleanrooms for Pharmaceutical/Biological Facilities	Manuel Del Valle PE, Fluor

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Technology for a Better Environment