



# The A.S.H.R.A.E. Newsletter

American Society of Heating, Refrigeration and Air conditioning Engineers, Inc.  
Southwest Florida Chapter # 139

Voted Region XII Best Newsletter for ASHRAE Year 1998 - 1999 & 2006 - 2007

December 2007

Volume 13 Issue 4



## PRESIDENT'S MESSAGE

Greetings Southwest Florida Chapter Members:

It's December again! This is the time for giving to our loved ones, friends and even strangers. However, the real meaning of Christmas is to celebrate the birth of the Savior of Mankind. We do this by exchanging gifts, donating time to charities, parties etc. Sometimes, we lose or forget the meaning of Christmas with all of the activities in our lives at this time of year. I ask that you pause to reflect the meaning of this time of year with your family and friends. Also, it is important to remember that this time of year is depressing for some people that have little family or friends. Some have suffered the passing of a spouse. Some are just lonely because they feel left out. If you know of a family member, friend or neighbor that may be hurting at this time of year, please consider including them in some fashion with your Holiday plans.

Merry Christmas, Happy Hanukah, and Happy New Year!

Mike Myers

2007-2008 SW Florida ASHRAE Chapter President



## DECEMBER MEETING NOTICE

### Topic:

**SMOKE CONTROL SYSTEMS (PART2) DESIGN FOR ATRIA AND LARGE VOLUME SPACES**

### Guest Speaker:



**MICHAEL E. MYERS, P.E., LEED® AP**

### Meeting Location:

**Magnolia Room**  
Town Center at Pelican Preserve  
(just off Colonial Blvd.)

### Date:

**December 12, 2007**

### Time:

**5:00 – 6:00** Board of Governors Meeting  
**5:45 – 6:45** Technical Session  
**6:45 - 8:30** Dinner, Meeting and Program

### Cost:

\$30.00

**Reservations are required.**

**RSVP to Stacey Perkins:**

**(239) 275-9420**

Or

[Sperkins@trane.com](mailto:Sperkins@trane.com)

Or on line at:

[www.swflashrae.org](http://www.swflashrae.org)

**This Month's Topic:**

**Technical Session: DEHUMIDIFICATION, KEN GEHRING, PRESIDENT, THERMA-STOR**

Background: Therma-Stor LLC, located in Madison, Wisconsin, was established in 1977 to apply advanced heat transfer technologies to residential and commercial markets. Beginning with heat recovery water heaters, Therma-Stor now also manufactures a line of residential dehumidifiers, which includes the Santa Fe series of free-standing dehumidifiers and the Ultra-Aire series of whole house ventilating dehumidifiers. Therma-Stor also offers HI-E Dry commercial dehumidifiers and the Phoenix line of restoration equipment for dehumidification, air scrubbing, water extraction, and evaporative drying.

**MAIN PROGRAM: SMOKE CONTROL SYSTEMS (PART2) DESIGN FOR ATRIA AND LARGE VOLUME SPACES**

Background: In fire situations, smoke is recognized as a major killer. Smoke threatens life and contributes to property damage as it migrates to location remote from the fire itself. The 1980 Las Vegas MGM Grand Hotel fire is a classic example of the smoke control problem. Although the fire was limited to the first floor, smoke spread throughout the building. Occupants on upper floors were exposed to smoke for hours before rescue. The majority of the 85 deaths occurred on floors far above the fire.

In 1983, as an attempt to consolidate practical information of smoke control design, ASHRAE published "Design of Smoke Control Systems for Buildings". In 1992, ASHRAE and the Society of Fire Protection Engineers (SFPE) jointly published "Design of Smoke Management Systems". The current joint ASHRAE/SFPE publication "Principles of Smoke Management" is the primary reference manual for designers of smoke management systems.

The program will provide an in depth review of the design principles provided in "Principles of Smoke Management" by addressing the purpose of smoke control systems; current codes, design guides and definitions for atria and mall smoke exhaust system design requirements, calculations and current modeling software; and implementation and performance testing.

**MICHAEL E. MYERS, P.E., LEED® AP**

Michael E. Myers, PE is a Registered Professional Engineer in Florida, Ohio, New Jersey and Colorado. Mike has 29 years of experience as a consulting engineer in HVAC, plumbing and fire protection disciplines for Commercial, Healthcare, High-Rise, K-12 Educational, College/Universities, Governmental, Detention and Industrial facilities. Mr. Myers is a LEED® Accredited Professional by the United States Green Building Council. He is also the 2007-2008 President for the Southwest Florida ASHRAE Chapter.

**Past Presidents of #139 Southwest Florida Chapter**

- 1982 - 1983 Edward O'Neal, P.E.
- 1983 - 1984 Edward O'Neal, P.E.
- 1984 - 1985 Dennis Holland
- 1985 - 1986 Ross Montgomery
- 1986 - 1987 Jeff Dorini
- 1987 - 1988 Kermit Rood
- 1988 - 1989 Bill Malphus
- 1989 - 1990 Tom Delnay
- 1990 - 1991 Nelson Tarbox
- 1991 - 1992 Gary H. Griffin
- 1992 - 1993 Gary H. Griffin
- 1993 - 1994 Jeff Zenoniani
- 1994 - 1995 Lisa A. Duritsch
- 1995 - 1996 Jason Grabowski
- 1996 - 1997 James Faulkner
- 1997 - 1998 Robert Risley
- 1998 - 1999 Winifred Denius
- 1999 - 2000 Paul Martin
- 2000 - 2001 Don Pine
- 2001 - 2002 Randy Saul
- 2002 - 2003 Jason Allen
- 2003 - 2004 Mark Brant, PE
- 2004 - 2005 Guy Van Meulebrouck
- 2005 - 2006 John Pennington
- 2006 - 2007 Kurt Vega

**Please help us update the ASHRAE email list**

Email to Kurt Vega at [kurt.vega@emerson.com](mailto:kurt.vega@emerson.com).  
Or call 239-693-7200 X 218 mail to:

Kurt Vega  
Emerson Industrial Automation / Saftronics.  
5580 Enterprise Parkway  
Fort Myers, FL 33905

Please include the following:

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

Email: \_\_\_\_\_

Membership # \_\_\_\_\_

## *Membership News*

### Membership Promotion Night December 12, 2007

Membership Chair Autumn Spalding has designated December 12, 2007 as membership promotion night. One of the goals of the membership chair is to increase the number of new members to ASHRAE. Give Autumn a boost and bring someone who is not a member to the December meeting and introduce them to ASHRAE.

---

#### **ASHRAE Seminar Focuses on Proposed Sustainability Standard**

ATLANTA – A sneak peek at a proposed standard for high-performance buildings will be shared in a seminar at ASHRAE's 2008 Winter Meeting.

Sustainability in Building Codes:

ASHRAE/USGBC/IESNA Standard 189.1P takes place from 8-9:30 a.m. Jan. 20.

"Some cities and municipalities have started to mandate that new construction meet sustainability requirements," Katherine Hammack, chair of the seminar, said. "Standard 189.1 is being written to be incorporated as a model code for high-performance, green buildings."

Proposed Standard 189.1P will provide minimum requirements for the design of high-performance new commercial buildings and major renovation projects, addressing energy efficiency, a building's impact on the atmosphere, sustainable sites, water use efficiency, materials and resources, and indoor environmental quality.

It is being developed by ASHRAE, the Illuminating Engineering Society of North America (IESNA) and the U.S. Green Building Council (USGBC).

The proposed standard is expected to go out for a second public review period shortly after the 2008 Winter Meeting.

"The first review earlier this year generated some 900 public comments scattered across most of the document," John Hogan, chair of the

committee writing the standard, said. "The largest number of comments addressed whether the proposed language in various sections was normative (as required for a standard). The energy chapter received the most comments followed by the definitions chapter."

"Through this seminar, attendees will be introduced to the standard, learn about how it integrates and differs from the energy efficiency standards and be informed about the carbon dioxide equivalency alternative compliance method," Hammack said. "The standard explains that this is a performance compliance method used to compare the impact of various greenhouse gases based on their global warming potential."

The seminar is sponsored by ASHRAE's technical committee on building environmental impacts and sustainability.

For more information about the ASHRAE meeting, Jan. 19-23, New York Hilton, visit [www.ashrae.org/newyork](http://www.ashrae.org/newyork).

Held with the ASHRAE Winter Meeting is the ASHRAE co-sponsored International Air-Conditioning, Heating, Refrigerating Exposition, Jan. 22-24, at Javits Convention Center. For more information, visit [www.ahrexpo.com](http://www.ahrexpo.com).

#### **Hitting the O&M Notes to Achieve Net-Zero-Energy Buildings**

ATLANTA – In composing net-zero-energy buildings, operation and maintenance are two of the most important chords.

"Zero energy is only in its infancy," said Richard Rooley, FREng. "Right now, engineers are like a composer, who sets out the notes and the way music is presented. As our knowledge grows, we will learn how to play our instrument to achieve a zero carbon building. But without more guidance on design of net-zero buildings, the music will fail."

The role of operation and maintenance in achieving net-zero-energy buildings is highlighted in a two-part seminar at ASHRAE's 2008 Winter Meeting, Net-Zero Energy Buildings: The Impact of O&M Practices? It

takes place from 8-9:30 a.m. and from 9:45-10:45 a.m. Jan. 22, New York Hilton.

In recent years, high-performance and net-zero-energy buildings have been identified as performance targets by ASHRAE, federal governments and other organizations. Much of the work to date toward these targets has focused on design of such buildings. Commissioning, operation and maintenance (O&M) are likely just as critical to achieving actual net-zero-energy performance as design.

“The seminar shows us how we are slowly learning to procure buildings for use, not just to look beautiful and meet theoretical design-as-an-end criteria,” said Rooley, chair of the seminar, sponsored by ASHRAE’s technical committee on operation and maintenance management

Other sessions in the technical program focusing on net-zero energy buildings include:

- How to Model Nothing: Energy Simulations of Net-Zero Energy Buildings: Part 1 and 2, 11 a.m.-12:30 p.m. and 1:30-3 p.m., Jan. 20.
- Long Term Data Center Planning: the Push Toward Net-Zero Energy and Other Considerations, 12:40-1:20 p.m., Jan. 20.
- Net-Zero Buildings: Will Energy Storage Be Essential, 12:40-1:20 p.m., Jan. 20.
- Thermoeconomics of Net-Zero Design 9:45-10:45 a.m., Jan. 21
- Exergy Analysis 2: Exergy Efficient Design, Analysis and Rating for Net-Zero Energy Buildings, Part 1, 9:45-10:45 a.m., Jan. 21; Part 2, 11 a.m.-noon, Jan. 23.
- Exergy Analysis 3: Advanced Applications for New Heights in Net-Zero Energy Buildings, 11 a.m.-noon, Jan. 21.
- Zero Energy Buildings of the Future: Is it Time to Define Resource Energy Efficiency and Apply it to Buildings in the Future, 11 a.m.-noon, Jan. 21.
- How Low Can You Go? Case Studies of Low-Energy Buildings, 9:45- 10:45 a.m., Jan. 22.
- How Do You Connect Your Net-Zero Building to the Grid, 8-9 a.m., Jan. 23.
- What Defines a Net-Zero Energy Building, 11 a.m.-noon, Jan. 23.
- Low- and Zero-Carbon Cities of the Future, 1-2:30 p.m., Jan. 23.

· Performance Monitoring to Achieve Net-Zero Energy, 1-2:30 p.m., Jan. 23. For more information about the ASHRAE meeting, Jan. 19-23, at the New York Hilton, visit [www.ashrae.org/newyork](http://www.ashrae.org/newyork). Held with the ASHRAE Winter Meeting is the ASHRAE co-sponsored International Air-Conditioning, Heating, Refrigerating Exposition, Jan. 22-24, at Javits Convention Center. For more information, visit [www.ahrexpo.com](http://www.ahrexpo.com). ASHRAE, founded in 1894, is an international organization of 55,000 persons. ASHRAE fulfills its mission of advancing heating, ventilation, air conditioning and refrigeration to serve humanity and promote a sustainable world through research, standards writing, publishing and continuing education.

### **Measuring Up: Case Studies of Green Building Energy Performance Shared in ASHRAE Seminar**

ATLANTA – When it comes to high-performance buildings, the proof is performance.

Measuring actual energy performance, however, can be challenging due to inadequate modeling practices, failure to include operations staff in goal setting, and lack of adequate budgets for commissioning, evaluations and ongoing benchmarking.

“As more actual energy performance data become available on high-performing buildings, clearer and more realistic expectations will help establish confidence within the building design and construction industry about costs and savings,” said Donald Winston, The Durst Organization, New York, N.Y.

Winston is one of three speakers who will provide a look at the role of performance measurement in high-performing buildings presented in a seminar at ASHRAE’s 2008 Winter Meeting, Jan. 19-23, New York City. The seminar, Green Building Energy Performance: Some Experience and Data from the Field, takes place from 9:15-10:45 a.m. Jan. 23 at the New York Hilton.

Winston will focus on his experiences with Class A office space in midtown Manhattan,

including the Conde Nast Building at 4 Times Square and recent high-rise green residential buildings. His experiences with this building also are featured in a new magazine, High Performing Buildings, recently launched by ASHRAE.

Based on the Durst Organization's experiences with 4 Times Square, several design changes are being made to its current project, the Bank of America Tower at 1 Bryant Park. These changes deal with use of fuel cells, photovoltaics and commissioning and owner involvement. "Energy cost savings are often cited as offsetting any additional first costs of green buildings," said Adam Hinge, a member of ASHRAE's Technical Committee TC 7.6, Systems Energy Utilization, which that is sponsoring the seminar. "Many times the cited energy benefits are based on predicted, not measured, savings. In some cases actual energy performance can be quite different from predicted performance. Accurate reporting of the actual performance of green buildings is important, as sharing operating results and lessons learned earlier rather than later can avoid repeating potential mistakes as the green buildings movement proceeds. This seminar presents experience and data on several high-profile projects."

Other speakers in the ASHRAE seminar are:

- High-Rise Residential Buildings: What Works and What Doesn't, Michael Gubbins, The Albanese Organization, New York, N.Y.
- From Energy Model to Ongoing Operation: A Portfolio Wide Approach to Greening Schools, James F. Dolan, P.E., O'Dea, Lynch, Abbatista Consulting Engineers, PC, Hawthorne, N.Y.

· Lessons Learned in Operation High-Performance Green Buildings, Donald Winston, P.E., Durst Organization, New York, N.Y. For more information about the ASHRAE meeting, Jan. 19-23, New York Hilton, visit [www.ashrae.org/newyork](http://www.ashrae.org/newyork). Held with the ASHRAE Winter Meeting is the ASHRAE co-sponsored International Air-Conditioning, Heating, Refrigerating Exposition, Jan. 22-24 (Tuesday-Thursday), at Javits Convention Center. For more information, visit [www.ahrexpo.com](http://www.ahrexpo.com).

## Hockey Game!!!!

Date: Decembe14, 2007

Time: 6:00p.m.- Private Dining Area for Soft Drinks and Food 7:30p.m.- Hockey Game

Location! Germain Arena

Game: Florida Everblade vs. Texas Wildcatters.

Food: Burgers, Sandwiches, etc .

Cost: \$25/Person

Please R.S.V.P. to Randy Munsey @ 239-226-

1293 to reserve your spot prior to

December 7.. Please feel free to bring your

spouses, children and significant others for a fun evening watching the Everblades "Kick some

ice" against the

Texas Wildcatters.



Vs.



This space is Intentionally Blank



# MEMBERS FIRST!

## TECHNOLOGY COUNCIL, FALL 2007

Technology Council is well into the 2007-08 Society year, having met for the first time this year over Tech Weekend in October in Atlanta. As you will read below, progress was made on many efforts to better serve our members and to fulfill ASHRAE's mission. Along with the items in this newsletter, there are a few others worth noting.

Tech Council has recently developed a brochure on Life-Cycle Cost Analysis that explains the principles of life-cycle costing and presents several examples. Copies of this brochure will be distributed to each ASHRAE chapter very soon, and a pdf version will be posted on the web. In addition, work is continuing on the Advanced Energy Design Guide series, with the guide for K-12 schools planned for publication later this year. More information on these documents can be found at [www.ashrae.org/technology/page/938](http://www.ashrae.org/technology/page/938). The Council has a number of other Special Projects in the works, including an Indoor Air Quality Design Guide, a study of indoor air quality in aircraft cabins and the development of a design guide for buildings in hot and humid climates. You can learn more about all of these efforts and more by visiting the Special Projects website at [www.ashrae.org/technology/page/678](http://www.ashrae.org/technology/page/678).

## TECHNICAL ACTIVITIES COMMITTEE NEWS

As part of efforts to implement the ASHRAE Strategic Plan of 2006, TRG 4.SBGM (Sustainable Building Guidance and Metrics) and TRG 7.SBOMCA (Sustainable Building Operations, Maintenance and Cost Analysis) have almost finished characterizing the breadth of current technical activities within ASHRAE and its partner organizations. These TRGs are now starting to identify potential new activities that could build upon this foundation to meet the objectives of the Strategic Plan. Ultimately, the TC/TG/TRGs throughout ASHRAE will develop specific, detailed plans to act upon these recommendations.

In response to requests from ASHRAE Chapters, TC 9.6 – Healthcare Facilities, TC 9.10 – Laboratory Systems, and TC 9.11 – Clean Spaces, have recently reviewed the need for improved design information about HVAC&R systems in

quarantine stations, pharmaceutical/bulk chemical facilities, and clean rooms. Their conclusions are as follows:

- To address airborne-transmitted disease issues, a quarantine station design guide is needed, and the ASHRAE HVAC Design Manual for Hospitals and Clinics needs updating;
- A guideline for personnel/product protection systems is needed to incorporate new ideas and technologies for energy reduction in pharmaceutical/bulk chemical facilities; and
- A design guide for clean rooms is needed.

Over the next few months, these TCs will be developing work plans to address these needs.

TRG 7.UFAD has been formed to address reported deficiencies in the ASHRAE Underfloor Air Distribution Design Guide. The committee met during August to assess the situation, and plans to meet again during December. A revised guide is anticipated by January 2009.

Work to prepare a web-based tool that provides an interface for the 1237-RP Service Life and Operating Cost Database is nearly complete. Look for an announcement later this Fall on how to access this information.

A workshop will be held in April 2008 to conduct an end-user review of the 2007 Applications Volume of the Handbook. The workshop, sponsored by TAC and the Handbook Committee, will identify opportunities to improve this Volume. Similar reviews of the Fundamentals, Systems and Equipment, and Refrigeration Volumes over the past three years have already resulted in numerous recommendations for improvement.

To become more familiar with the work and structure of the TC/TG/TRGs, please visit [www.ashrae.org/technology/page/104](http://www.ashrae.org/technology/page/104). There, you can find committee scopes, links to web pages, Handbook improvement recommendations, and the E-mail Alias List. Using aliases, you can contact Section Heads and TC/TG/TRG Chairs. For more detailed information, you can also contact [MORTS@ASHRAE.net](mailto:MORTS@ASHRAE.net). Your participation is valued and always welcome!

**ASHRAE Technology is for ASHRAE members.** The **Members First!** newsletter is issued after each Technology Council meeting to provide highlights of ASHRAE technical activities and keep members informed. Our goal is to make the work of the technical side of ASHRAE open to all ASHRAE members. If you have technical questions for ASHRAE, please contact Steve Hammerling, Assistant Manager of Research and Technical Services, at 678 539-1158 or via email at [shammerling@ashrae.org](mailto:shammerling@ashrae.org).

*Your feedback is welcome and encouraged! Please write to Andrew Persily, Vice Chair, Technology Council at [andrew.persily@mail.ashrae.org](mailto:andrew.persily@mail.ashrae.org).*

## STANDARDS

### MAJOR IMPROVEMENTS COMING TO STANDARDS COMMENT PROCESS

The fruit of the labors of a long line of leaders in the development of ASHRAE Standards develop process is about to be realized!

Providing, processing and responding to comments to public review documents has been an arduous manual process since its inception. ASHRAE members and others had to request a public review draft of a standard or guideline, prepare written comments, submit them to ASHRAE headquarters, wait for the comments to be compiled, sorted and manually distributed to the Project Committee (PC) members, wait for the responses to be prepared, approved and returned to the commenter, and then possibly start the process again on subsequent public reviews. This has been a painstaking process both for those submitting the comments, project committee members and ASHRAE Staff.

In the 2006-07 Society year, ASHRAE processed 1754 comments on the 82 documents that went out for public review. So far in the 2007-08 year, 52 documents have gone out for public review. Starting later this year, major improvements are coming in the processing of comments.

ASHRAE's software developer InterDev, LLC has been working on an on-line comment system that will allow a commenter to go to the ASHRAE website, establish a private user ID, request a copy of a public review draft for review purposes only, prepare comments, and submit them electronically. Through links with the new ASHRAE software system, the comments would be automatically available to members of the PC who will then review them and prepare responses. Once the PC had approved the responses, the PC chair can provide the responses back to the commenter smoothly and efficiently through the online system.

A test version of the software is scheduled to be online in December. ASHRAE headquarters will post a few documents to the test site. Members of the Standards Committee, Headquarters Staff and volunteers will test the system by providing comments to the public review drafts on the test site. It is anticipated that the system will be fully operational by the Spring 2008 public review cycle.

## RESEARCH ADMINISTRATION COMMITTEE (RAC)

Funded by member contributions and developed through member commitment to ASHRAE technical activities, ASHRAE research continues to lead the advancement HVAC&R arts and sciences. The Research Administration Committee works with TCs, TGs, SPCs, and the Standing Committees to develop, manage, and disseminate ASHRAE research. At Technology Weekend in October, RAC reviewed thirty-eight new research ideas and twelve project work statements. Contractors were selected and approved for two new research projects and sixteen projects are currently out for bid, including the following:

**1267-WS**, "Development of an ASHRAE Design Manual for District Heating and Cooling Systems" sponsored by TC 6.2.

**1345-WS**, "Waterside Fouling Performance of Brazed-Plate Type Condensers in Cooling Tower Applications" sponsored by TC 8.5.

**1356-WS**, "Methodology to Measure Thermal Performance of Pipe Insulation at Below-Ambient Temperatures" sponsored by TC 1.8.

**1387-WS**, "Thermal Energy Storage Design for Emergency Cooling" sponsored by TC 6.9.

**1408-WS**, "The Effect of Lining Length on the Insertion Loss of Acoustical Duct Liner in Sheet Metal Ductwork" sponsored by TC 2.6.

**1416-WS**, "Development of Internal Surface Convection Correlations for Energy and Load Calculation Methods" sponsored by TC 4.7.

**1418-WS**, "Optimizing the Trade off Between Grid Resolution and Accuracy: Coarse Grid CFD Modeling" sponsored by TC 4.10.

**1456-WS**, "Assess and Implement Natural and Hybrid Ventilation Models in Whole-Building Energy Simulations" sponsored by TC 4.10.

**1466-WS**, "Development of a Calibration Reference Device for Use with Test Standard ANSI/ASHRAE 52.2-2007" sponsored by TC 2.4.

**1475-WS**, "Updating Heat and Moisture Production Rates of Modern Swine and Their Housing Systems" sponsored by TC 2.2.

**1480-WS**, "Island Hood Energy Consumption and Energy Reduction Strategies" sponsored by TC 5.10.

*continued next page*





continued from previous page

**1481-WS**, "Economic Data Base In Support of Standard 90.2" sponsored by Standing Standards Project Committee 90.2.

**1482-WS**, "Update to Measurements of Office Equipment Heat Gain Data" sponsored by TC 4.1.

**1484-WS**, "Energy and Performance of Secondary Coolant Low-Temperature Refrigeration Systems" sponsored by TC 3.1.

**1486-WS**, "Fault Detection and Diagnostics for Centrifugal Chillers - Phase III: Online-Time Implementation" sponsored by TC 7.5.

ASHRAE research is only useful if the results are available. Every research project produces at least one technical publication, available in the open literature. However, the detailed results are presented in the project final report, which is archived at ASHRAE headquarters. While recent reports have been submitted electronically, hundreds of research reports are only available in paper format. Over the past two years, ASHRAE staff has undertaken to scan these earlier reports to make them available on line. By the end of the year, we expect to have over 1200 research project final reports available for free download to all ASHRAE members.

The ASHRAE Research Strategic Plan 2005-2010 has been guiding our development efforts since 2005. In January, the Research Advisory Panel (RAP) will begin the planning cycle for the next five-year plan. This panel of twelve distinguished researchers, chaired by Prof. Jeffrey Spitler and reporting to RAC, will work to develop the plan over the next three years. You will be hearing much more about these efforts as they solicit input from ASHRAE members.

## REFRIGERATION

While the Refrigeration Committee did not meet over Tech Weekend in October, they did recommend a committee of individuals to develop an ASHRAE Position Document on Natural Refrigerants. This committee was approved by Technology Council and is now tasked with developing this Position Document. This document will describe the history and use of natural refrigerants such as ammonia, carbon dioxide, water, air, propane and butane, as well as discuss their application, efficiency, safety, cost, and relation to standards and codes.

## ENVIRONMENTAL HEALTH COMMITTEE

The Environmental Health Committee (EHC) met at the IAQ 2007 conference on Healthy and Sustainable Buildings in Baltimore. The conference was a success with more than 250 participants attending five excellent Plenary Sessions, several topical workshops and a number of technical sessions. The issues and opportunities for providing Healthy and Sustainable Buildings from many perspectives were thoroughly discussed and debated. EHC was the sponsoring committee of ASHRAE for IAQ 2007 but the conference was a success due to the very competent steering committee, ASHRAE Baltimore chapter volunteers and of course our staff personnel.

At the EHC meeting itself we planned our activities for this year and looked out to next year as well. Members were assigned to develop Emerging Issues papers on "What are the roles and responsibilities of professional engineers to environmental health?", "Unknown and unintended consequences of development of sustainable buildings?", and "Air Conditioning and Humidity control in hot humid climates with self contained equipment".

The next ASHRAE IAQ conference, scheduled for 2010 was discussed, with tentative plans to have it focus on Control of Airborne Infectious Diseases. Further, it was suggested that this conference be held in Region XIII (Asia) at a site to be determined.

EHC is developing an RTAR on "Ozone Air Cleaning" to look into the effects of ambient ozone on indoor air quality and how it can be removed per the requirements of Standard 62.1. EHC will work with TC 2.3 Gaseous Air Contaminants in this effort.

EHC has assigned members to review selected chapters of the *Applications Handbook* and to write materials for those chapters that relate to environmental health issues. This initiative was discussed with TAC during the Technology Weekend meetings in Atlanta in early October.

*To sign up for the Members First! Newsletter Listserv, please use the following link:*  
<http://www.ashrae.org/publications/detail/16150>

## ASHRAE 2007-2008 Chapter Meeting Dates

| Meeting Date  | Program   | Speaker / Representative                       | Location         |
|---------------|---|--|------------------|
| Sep. 12, 2007 | Building Commissioning  | Carl N. Lawson ASHRAE Distinguished Lecturer   | Magnolia Room    |
| Oct. 10, 2007 | Joint Meeting with TCSCA/AIA – Panel Discussion Featuring Architects, Engineers<br><b>(Donor Recognition Night)</b> | -  | Magnolia Room    |
| Oct, 26, 2007 | Golftober   | -  | Pelican Preserve |
| Nov. 14, 2007 | FPL Incentive Programs<br><b>(Research Promotion Night)</b>   | Keith Ponitz, FPL                              | Magnolia Room    |
| Dec. 12, 2007 | Smoke Control Part II;<br><b>(Membership Promotion Night)</b>   | Mike Myers, TLC Engineering                    | Magnolia Room    |
| Dec 14 2007   | Hockey Night  | Florida Everblades                             | Germain Arena    |
| Jan. 9, 2008  | Creating Non-Proprietary Controls Specifications<br><b>(Young Engineers Promotion Night)</b>                        | John Minor, Automated Logic Corp               | Magnolia Room    |
| Feb 8, 2008   | Envelope Seminar  | Dr. Joe  | TBA              |
| Feb 13, 2008  | Joint Meeting with CSI  | TBD  | TBA              |
| Mar. 12, 2008 | LEED and Proposed ASHRAE Standard 189;  | Thomas M. Lawrence, Ph.D., ASHRAE DL (Pending) | TBA              |
| Apr. 9, 2008  | TBA   | TBA  | TBA              |
| Apr., 2008    | Backwater Fishing Tournament  | Richard Brooks                                 | Backwater        |
| May 14, 2008  | ASHRAE President (Pending)  | Kent Peterson                                  | Magnolia Room    |
| May, 2008     | Pool Tournament   | Lisa Duritsch                                  | TBA              |
| June, 2008    | Presidents Party  | Mike Myers                                     | TBA              |

### A.S.H.R.A.E - Southwest Florida Chapter 2007-2008 Officers and Committee Directory

**Chapter Officers:**

**President**

Michael Myers  
239-275-4240  
[mike.myers@tlc-eng.com](mailto:mike.myers@tlc-eng.com)

**President Elect**

Sam Moreland  
239-278-1988  
[smoreland@tombarrow.com](mailto:smoreland@tombarrow.com)

**Vice President**

Randy Munsey  
[randymunsey@burchcorp.com](mailto:randymunsey@burchcorp.com)

**Treasurer**

Stacey Perkins  
239-275-9420  
[sperkins@trane.com](mailto:sperkins@trane.com)

**Secretary**

Heather Hsi  
813-258-6609  
[hlhsi@adiflorida.com](mailto:hlhsi@adiflorida.com)

**Administrative Assistant**

Mary Kay Gonzales  
239-939-9098  
[Fasteagle3@aol.com](mailto:Fasteagle3@aol.com)

**Chapter Board of Governors:**

Gary Griffin  
239-332-4646  
[GaryG@BandIContractors.Com](mailto:GaryG@BandIContractors.Com)

John Pennington  
239-633-8197  
[johnp@boyd-hvac.com](mailto:johnp@boyd-hvac.com)

Kurt Vega  
239-693-7200 ext. 218  
[kurt.vega@emerson.com](mailto:kurt.vega@emerson.com)

Rob Risley  
239-332-9111  
[rrisley@fpl.com](mailto:rrisley@fpl.com)

**ASHRAE**  
1-800-527-4723

**Chapter Committee Chairpersons:**

**Chapter Technology and Transfer Committee (CTTC)**

John Pennington  
239-633-8197  
[johnp@boyd-hvac.com](mailto:johnp@boyd-hvac.com)

**Programs**

Lawrin Ellis  
239-275-4240  
[Larwin.Ellis@tlc-eng.com](mailto:Larwin.Ellis@tlc-eng.com)

**Membership**

Autumn Spalding  
(239) 332-4646  
[aspalding@bandicontractors.com](mailto:aspalding@bandicontractors.com)

**Resource Promotion**

Roger Coll  
239-275-9420  
[rmcoll@trane.Com](mailto:rmcoll@trane.Com)

**Chapter Committee Chairpersons:**

**News Letter Editor**

Kurt Vega  
239-693-7200 ext. 218  
[kurt.vega@emersonct.com](mailto:kurt.vega@emersonct.com)

**Honors and Awards**

Gary Griffin  
239-332-4646  
[GaryG@BandIContractors.Com](mailto:GaryG@BandIContractors.Com)

**Historian**

Jason Grabowski  
239-332-4646  
[jasong@bandicontractors.com](mailto:jasong@bandicontractors.com)

**Student Activities**

Lawrin Ellis  
239-275-4240  
[Larwin.Ellis@tlc-eng.com](mailto:Larwin.Ellis@tlc-eng.com)