Joint Meeting Notice

PDH/CEU offered for main program

Topic:

Are High Performance Buildings Really Performing?

Guest Speaker:

Distinguished Lecturer: Drury Crawley, Ph.D, Team Leader, Commercial Buildings, U.S. Department of Energy, Washington DC

Meeting Location:

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

Time:

5:00 – 6:00 Board of Governors Meeting
5:45 – 6:45 Social Hour (Cash Bar)
6:45 – 8:30 Dinner, Meeting and Program

Date:

Wednesday
January 13, 2010

Cost:

$35.00  Reservations are required. Register by Friday Jan. 8 and save $5.00

RSVP to Stacey Perkins:

(239) 275-9420

Or

Sperkins@trane.com

Or on line at:

www.swflashrae.org

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Presidents Message

By Randy Munsey

Happy New Year to all. I look forward to an exiting second half of this ASHRAE year which starts with our January 13th joint meeting with AIA Florida Southwest and the Florida Gulf Coast Chapter of USGBC. This meeting features ASHRAE Distinguished Lecturer, Mr. Drury Crawley. His topic will be “Are High Performance Buildings Really Performing”. PDHs and CEUs will be offered for attendance at this program.

The 2010 ASHRAE Winter Meeting will be held January 23rd through the 27th in Orlando. These closer meetings are an opportunity for all of us to attend the many topic specific seminars as well as the ARI equipment show. The rest of the 2009/2010 ASHRAE year will include a visit by our current ASHRAE President, Mr. Gordon Holeness, at our February 13th meeting, as well as visits by another distinguished lecturer, a pool tournament, a fishing tournament and other events.

Remember, timely registration helps the staff at Pelican Preserve to better prepare for our meetings and saves you $5.00. Please continue to give us your input concerning programs and services that we can arrange so that we can serve you better. ASHRAE belongs to all of the members and your input makes it better for all.

Sincerely.

Randy Munsey
2009-2010 SWFLA ASHRAE Chapter President

Membership – Autumn Spalding

New Member: Alex Perez

YEA Happy Hour coming soon…

Check out our new and improved website!

“Please keep in mind that the rates of membership are going up this summer”

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ASHRAE, IES Seek to Lighten Energy Use through Changes to Standard 90.1

ATLANTA – Requirements to “lighten up” energy use and costs through fenestration, parking lot lighting and other proposed measures are being recommended for Standard 90.1. ANSI/ASHRAE/IESNA Standard 90.1-2007, Energy Standard for Buildings Except Low-Rise Residential Buildings, provides minimum requirements for the energy-efficient design of buildings except low-rise residential buildings. Currently, 15 proposed addenda to the standard are open for public review.

“As the industry continues to call for buildings and systems that use less energy, the Standard 90.1 committee is striving to find ways to reduce energy uses and costs,” Mick Schwedler, chair of the Standard 90.1 committee, said. “The proposed changes not only reduce energy use but move the standard closer to the workplan goal of a 2010 standard with 30 percent energy cost savings compared to the 2004 standards.”

Among the proposed addenda out for public comment is addendum cd, which would require active exterior control rather than just require the control capability; add bi-level control for general all-night applications, such as parking lots to reduce lighting when not needed; and add control for façade and landscaping lighting not needed after midnight.

Eric Richman, chair of the standard’s lighting subcommittee, noted that studies from the California Lighting Technology Center at the University of California at Davis found that control strategies reduce lighting energy use by significant amounts during night time hours. A study by Polytechnic State University showed that parking lot lighting operates in a low mode 68 percent of the time.

Additional information from a study by Navigant Consulting shows that parking lots account for 22 TWh out of a total 57 TWh used for outdoor lighting annually nationwide. While this estimate includes all lit parking areas, the potential for energy savings in parking areas that are directly associated with specific building projects are significant and should be supported by the standard.

A second public review of proposed addendum bn would reduce solar loads by orienting the fenestration in more appropriate directions. Changed in response to comments during the first public review, this approach gives flexibility to building design teams to work with siting and fenestration and orientation as well as fenestration area to comply with the requirement.

Proposed addendum bb updates building envelope requirements for opaque elements, such as walls and rooms, and fenestration (windows and skylights). A number of changes were made in response to public comments during the first public review.

“I would like to thank all of those who met with the Standard 90.1 committee during our fall interim meetings for their candor, input and willingness to work toward an addendum that can reach consensus and save both energy and energy costs,” Schwedler said.

The proposed addenda to ASHRAE/IESNA Standard 90.1 are available for comment only during their public review period. To read the addenda or to comment, visit www.ashrae.org/publicreviews.

Hockey Night Pictures

Joyce & Alex Perez

Robin Sikorski and Philip Murphy

Unknown, Jennifer Isenbeck, and Autumn Spalding

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Please help us update the ASHRAE email list
e-mail to Kurt Vega at kurt.vega@emerson.com.
Or call 239-693-7200 X 218 mail to:
Kurt Vega
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5580 Enterprise Parkway
Fort Myers, FL 33905

Please include the following:

Name: ________________________________
Address:_______________________________
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From your Chapter and Regional Webmaster:

We are seeking sponsorship for our Chapter’s website. If you are interested, please send your business card or logo along with $20 for one year of advertisement on the Chapter website. Also, I am in need of pictures of the SW Florida scenery that I can use for a new Title banner background. If you have any pictures that you think would show our wonderful climate and scenery, please forward to me in jpeg or gif format.
mmyers@jalrw.com
This Month’s Topic: – Are High Performance Buildings Really Performing?

Background:

It is possible today, at an incremental construction cost of 2-10%, to create buildings which operate at 25, 50, and even 75% less energy than Standard 90.1-2004. A few high profile buildings touted to be designed as low-energy have been extensively metered and studied. This presentation provides an overview of the process, performance, technologies, and lessons learned for these recent ‘ high performance ’ buildings which range in measured energy savings of 25-70% over Standard 90.1 and opportunities for even greater savings in the future—achieving cost-effective net-zero energy commercial buildings by 2025.

Distinguished Lecturer:

Drury Crawley, Ph.D, Team Leader, Commercial Buildings, U.S. Department of Energy, Washington DC

Mr. Crawley leads the U.S. Department of Energy’s Building Technologies Program team working to achieve cost-effective net-zero energy commercial buildings by 2025. He is also responsible for managing the DOE’s building energy software tools development activities including EnergyPlus (winner of an R&D 100 Award in 2003), Energy Design Plugin for Google SketchUp, Energy-10, DOE-2, and SPARK, among others. With more than 30 years of experience in buildings energy efficiency, renewable energy, and sustainability, he has worked in government research and standards development organizations, as well as building design and consulting companies. A registered architect, he is currently completing his PhD in Mechanical Engineering on the topic of building simulation as a policy tool at the University of Strathclyde in Glasgow, Scotland.

Mr. Crawley is active in ASHRAE (Chair of Technical Committee 2.8 Building Environmental Impacts and Sustainability, Chair of Standard 169 Weather Data for Building Design Standards, Member of SSPC 189.1P Standard for the Design of High-Performance, Green Buildings Except Low-Rise Residential Buildings, former Member of the Research Administration Committee, and former Chair of TC 4.2, 4.7, and 7.1). He received an ASHRAE Distinguished Service award in 2003 and a 1999 Symposium Best Paper Award for “Which Weather Data Should You Use for Energy Simulations of Commercial Buildings?”

Mr. Crawley is the US-representative and Vice Chair of the Executive Committee of the International Energy Agency Solar Heating and Cooling Program, and is active in AIA, IBPSA, USGBC (member of the Research Committee and the Energy & Atmosphere TAG), and serves on the editorial boards of three international Journals. He has written more than 100 papers and articles and made more than 175 presentations on energy efficiency, sustainability, and renewable energy topics throughout the world.

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Southwest Florida Chapter Meeting dates:

- **September 9** – Mark Schultz – Lien Laws (YEA and Membership) Ross Montgomery Region XII DRC will be attending.
- **October** – GolftoberFest
- **October 14** – Jeff Endrulat – Variable Refrigerant Flow Systems (Research Night) Research RVC Dan Rogers will be attending.
- **November 11** – Collier Car Museum Tour (CH Motorcar) Dinner at Spanky’s Speakeasy
- **December 11** – Hockey Night – Florida Everblades Tour and Game (Membership and YEA Night) Membership RVC Jennifer Isenbeck will be attending.
- **January 13** – Drury Crawley (Distinguished Lecturer) – Are High Performance Buildings Really Performing? (Joint Meeting with AIA and USGBC)
- **February 10** – Gordon Holness - President’s Meeting
- **February** – Pool Tournament (Date TBD)
- **March 10** – Todd L. Rindlisbaker, Salt Lake City, Utah – Who Sabotaged My High-Performance Building
- **March** – Poker Tournament/Casino Night (Date TBD)
- **April 14** – Nick Agopian – Gas Phase Filtration
- **April 17** – Fishing Tournament
- **May 12** – Ken Buschle - LEED v3

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**The Officers**
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