

Florida West Coast Chapter
ASHRAE
3203 Queen Palm Drive
Tampa, Florida 33619



Keeping it Cool with ASHRAE



Special points of interest:

- > The first FWC Meeting of the new year will be Tuesday, September the 21st with Kent Peterson, PE (Green Codes and Standard 189.1)



From the Desk of the President

Isn't this a great time of year. The kids are home from school needing constant attention, the heat is oppressive, mosquitoes the size of a Cessna and let's not forget that it is crunch time for all of us involved with public school work. Doesn't summer in Florida just make you want to smile?

OK, I'm only joking but now that I have your attention, let me tell you about something that is guaranteed to put a smile on your face. And I'm not talking about the ton of money you could save with Geico, I'm talking about the Region XII Chapters Regional Conference. That's right, it's back. And this year it is right next door in Orlando.

This year the Central Florida Chapter is hosting the event at the Rosen Centre Hotel directly across from the Orlando Convention Center. On Thursday there will be a technical meeting offering four PDH's through ASHRAE. Look here for more detailed information: <http://crc2010region12.org/technical-session/>

I hope to see you there.

**Jeff Ross, FWC President
(2010-2011)**

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Program Events

We are starting our new year with a bang. We have a Distinguished Lecturer Mr. Kent Peterson, PE coming to speak to our chapter about:

Green Codes and Standard 189.1, Standard for the Design of High-Performance Green Buildings.

Mr. Peterson is a 2008/2009 Past Society President of ASHRAE. He is the chair of the ASHRAE Associate Society Alliance working, which works with 49 professional societies around the world. He also chairs the California State University Mechanical Review Board and assists with improving mechanical systems on the CSU campuses.

We have members of the US Green Building Council joining us for this meeting and possibly the Central Florida Chapter and South West Florida Chapters; therefore be sure to RSVP early as this meeting will sell out and we have limited seating.

Please RSVP on the FWC website at:
http://www.ashrae-fwc.org/chapter_meetings.htm

Cost: **\$35** thru Paypal or **\$40 day of Event**
(It is still \$40 day of event if you RSVP but do not pay thru Paypal)

Email me with questions at shawn.jeffrey@kpiengineering.com or call (813)241-6488.

Shawn Jeffrey, Jr.
Programs Chair (2010-2011)



National Energy Talks

On the heels of the Fourth of July congressional recess, federal policymakers returned to Washington on July 12, and immediately began meeting to hash out a new energy bill. Previous versions have fallen short due to controversy over carbon cap and trade issues.

For the most part, all the action is in the Senate, where the Democratic Leadership is desperately trying to pull together an energy bill that will garner 60 votes. Due to procedural rules, 60 is the magic number required to pass controversial legislation in the Senate. (The House has simpler rules in this regard, and is run by majority rule, making it easier for the party in power to pass their legislative priorities.)

Because there are only 57 Democrats in the Senate, Republican support for an energy bill is a must. This has effectively put the power and fate of what could be one of the most significant energy bills in recent history in the hands of a small number of moderate Republicans and Democrats.

With the recent passage of financial reform – one of President Barack Obama’s signature plans – the President has taken a more prominent role in energy legislation negotiations. This is critical for supporters of the legislation, as time is running short, and Congress already has much to accomplish before leaving for the November elections.

(It is important to note that no one is completely sure what the “final” energy bill will look like, as negotiations and the search for 60 votes in the Senate cause the provisions to change almost daily. However the final bill is likely to be some combination of the American Clean Energy and Security Act (H.R.2454) – passed in the House, American Clean Energy Leadership Act (S.1462), American Power Act (draft/not introduced), and the Practical Energy and Climate Plan Act (S.3464).)

For more information, visit <http://politi.co/8Ylptw>.

National ASHRAE Headlines

ATLANTA – A newly published high-performance green standard would provide a solid foundation on which the federal government could build its efforts to make its buildings more sustainable, according to testimony today from ASHRAE..

The U.S. Department of Energy held a hearing Wednesday, July 27, on the notice of proposed rulemaking on energy efficiency and sustainable design standards for new federal buildings and major renovations of federal buildings.

Testifying at the hearing, ASHRAE Vice President Ross Montgomery encouraged the DOE’s Federal Energy Management Program to reference ANSI/ASHRAE/USGBC/IES Standard 189.1, *Standard for the Design of High Performance, Green Buildings Except Low-Rise Residential Buildings*, compliance option of the International Green Construction Code (IGCC) as a means of meeting the requirements in the rulemaking.

“Standard 189.1 represents a revolutionary new step for building standards, as it provides a long-needed green building foundation for those who strive to design, build and operate green buildings,” Montgomery said. “From site location to energy use and recycling, this standard will set the foundation for green buildings through its adoption into local codes. ASHRAE strongly believes that Standard 189.1 can help meet many of the Federal government’s building needs.”

Standard 189.1 was published in January 2010 and serves as a jurisdictional compliance option of the IGCC being developed by the International Code Council, the American Institute of Architects and ASTM International. ASHRAE’s partners in developing 189.1 are the Illuminating Engineering society of North America and the U.S. Green Building Council.

Standard 189.1 is the first code-intended green building standard in the United States. It covers key topic areas similar to green building rating systems, including site sustainability, water use efficiency, energy efficiency, indoor environmental quality and the building’s impact on the atmosphere, materials and resources. For complete information on the standard, including a readable copy, visit www.ashrae.org/greenstandard.

ASHRAE, founded in 1894, is an international organization of some 50,000 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.

Girl Scouts and ASHRAE

On Wednesday July 21, 2010 representatives of the local ASHRAE chapter, Jennifer Isenbeck, Mike Cowles and Henry Dilport, along with Tampa Bay Trane representatives Casey Vaughn, Stephen Koontz, Dennis Blake, Gary Denton, George Barbari and Mellissa Hargrove were honored to give a tour of the new USF Southeast Chiller Plant to the **Girls Scouts of West Central Florida**. The tour was part of a summer camp called 'Minds for Design' and the emphasis was STEM (Science, Technology, Engineering and Math). Only 27% of current STEM-related jobs are held by women and Girl Scouts of West Central Florida is hoping to increase that number by highlighting female role models who have already blazed a path in these careers.

Jennifer, Casey and Mellissa all shared stories with the girls regarding their educational and professional paths. While all three are degreed engineers, each had specific engineering interests and were able to discuss the differences in engineering fields, how projects can come together and how opportunities are abundant! Henry Dilport, the Design/Build project manager for the plant provided a tour explaining energy in/energy out. He was even impressed with the inquisitive and depth of questions asked.

More information about the STEM camp can be found at: <http://video.tbo.com/m/32917659/girl-scouts-teach-non-traditional-careers.htm?q=girl+scouts>. The new chiller plant has 4,600 tons of cooling capacity in a primary variable configuration and has been running since June 18, 2010.

Jennifer Isenbeck, PE, Past FWC President



ASHRAE Testing to DOE in Washington, DC

I was lucky to be asked to provide testimony to the DOE regarding the inclusion of ASHRAE Standard 189.1 into its new “rule-making” process for new legislation for Federal Buildings, specifically Parts 433 and 435.

The basic purpose of ASHRAE testimony was to ask for DOE to reference ANSI/ASHRAE/USGBC/IES Standard 189.1, for the Design of High Performance, Green Buildings Except Low-Rise Residential Buildings, compliance option of the International Green Construction Code (IGCC) as a means of meeting the requirements in the rulemaking for new federal regulations.

In addition to 189.1, we also asked for inclusion of other ASHRAE Standards, such as ASHRAE Standards 55, 62, 100, 180, Guide-line-0, and the new IAQ Guide, into the Federal regulation Part 433 and 435, and other regulations.

The hearing was chaired and facilitated by Jim Raba, and was well attended by DOE staff, including Richard Kidd and Cyrus Nasser, and many other Industry representatives.

ASHRAE fulfills its mission of “advancing the arts and sciences of heating, ventilation, air conditioning and refrigeration (HVAC&R) to serve humanity and promote a sustainable world”, through research, standards writing, publishing and continuing education. We are the acknowledged experts on energy in buildings, and also indoor air quality.

ASHRAE’s standards development process adheres to rigorous principles based on consensus, openness, balance, transparency, and due process.

Developed in collaboration with the Illuminating Engineering Society of North America (IESNA), and the U.S. Green Building Council (USGBC), ASHRAE Standard 189.1 is the first code-intended commercial high performance green building standard in the United States. Standard 189.1 also serves as a compliance path of the International Green Construction Code (IGCC), published by the ICC.

ASHRAE Standard 189.1 represents a revolutionary new step for building standards, as it provides a long-needed green building foundation for those who strive to design, build, and operate green buildings. From site location, to energy use, to recycling, this standard will set the foundation for green buildings through its adoption into local codes. It covers key topic areas similar to green building rating systems, including site sustainability, water use efficiency, energy efficiency, indoor environmental quality, and the building’s impact on the atmosphere, materials and resources.

Continued on Page 4.

TEGA Updates

The Florida Department of Management Services recently amended the Florida Energy Conservation and Sustainable Buildings Act of 2008, Rule 60D-4, which mandates that all state funded projects (new and existing buildings) adhere to the “Florida Life-Cycle Cost Analysis Program”. This revision forces the state to look at the life-cycle cost of a project rather than simply the first cost.

This tool affords the engineering community the opportunity to design projects for the long term and it is something that the sustainability movement has diligently advocated for in Tallahassee.

I hope that you will familiarize yourself with the legislation so that we can continue to move Florida in the right direction when it comes to state funded buildings. I recently met with the director of DMS and I was informed that the legislation applies to schools, even though the DMS is not directly associated with school construction.

We have the legislation, and it finally has teeth, now go do the right thing!

Joe Souza
TEGA Chair (2010-2011)

Florida Administrative Code Chapter 60D-4

In order to comply with the Florida Energy Conservation and Sustainable Buildings Act of 2008, the Department of Management Services has amended Rule 60D-4. As stated in the amendment, the “effects of the Rule will be uniform agency procedures regarding the selection of energy-consuming equipment and architectural components for new state-financed facilities and existing state-owned facilities.” A key component of the proposed Rule is “a new program entitled the ‘Florida Life-Cycle Cost Analysis Program’”. This effective and efficient program will help to ensure that the full and long-term financial costs of relevant purchasing, construction, and renovation decisions are considered, thereby saving Floridians money. We are convinced that these financial improvements will be accompanied by human health and environmental improvements, similar to those achieved by LEED certified projects.

State Energy Management Plan (SEMP),

http://dms.myflorida.com/business_operations/real_estate_development_management/facilities_management/energy_initiatives

The Department of Management Services released this highly anticipated Plan on Monday, March 08, 2010. We applaud the Legislature for demanding such a systematic approach to the effective and efficient use of our State’s resources. We are hopeful that adequate training will be given to and performance will be demanded of the Energy Management Coordinators so that this Plan can be effectively managed and implemented. Again, our membership stands ready to assist Florida’s Legislators, State of Florida Employees and the public in understanding the benefits and impacts of this Plan.

Florida Energy Conservation and Sustainable Buildings Act and Florida-friendly landscaping on public property (sections 255.251, 255.252, 255.253, 255.254, 255.255, 255.256, 255.257, 255.2575, and 255.259, Florida Statutes)

Through these statutes, the Florida Legislature has identified and codified the importance of protecting the State’s fiscal, physical, human and environmental resources, relative to the built environment. These statutes define and prescribe why and how rating systems such as LEED benefit the State and the taxpayers in the areas listed above. Additionally, these statutes include the authority for and give guidance to Rule 60D-4 and the State Energy Management Plan (SEMP) referenced above.

ASHRAE Testing to DOE in Washington, DC (Cont.)

Continued from Page 3.

The energy efficiency goal of Standard 189.1 is to provide significant energy reduction over that in ANSI/ASHRAE/IESNA Standard 90.1-2007. It offers a broader scope than Standard 90.1, and is intended to provide minimum requirements for the siting, design, and construction of high performance, green buildings.

ASHRAE Standard 189.1 is intended to complement green building rating programs, however the Standard is not intended as a rating system itself, nor is it intended to compete with green building rating programs.

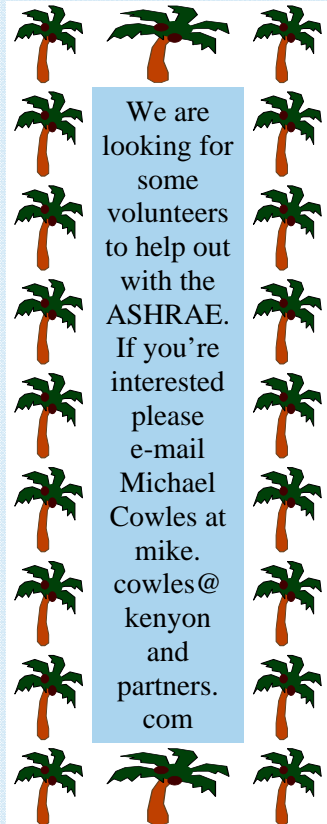
Working together, in continued partnership, I am confident that we can succeed in meeting the nation’s most pressing energy and environmental sustainability needs, by improving the Built Environment.

In closing, ASHRAE Standard 189.1 represents a major step forward, as the first code-intended commercial high performance green building standard in the United States. ASHRAE Standard 189.1 is poised to revolutionize the design, construction, and operation of green buildings.

Ross Montgomery, ASHRAE VP

Past Presidents

1957-58 Karl K. Hickman	1984-85 Charles E. Langbein
1958-59 Sam F. Graziano	1985-86 Thomas H. Williams
1959-60 Julian Johnson	1986-87 Caire A. Boe
1960-61 Ken Whittington	1987-88 Frank Grandinetti
1961-62 Mark E. Mooney	1988-89 Carl B. Lawson
1962-63 James A. Hargan	1989-90 Robert M. Little
1963-64 Daniel R. Manrique	1990-91 Edward C. Spivey
1964-65 E. J. Bauerlien	1991-92 Robert P. Sutton
1965-66 Henry Graham	1992-93 Roger B. Redman
1966-67 Richard Kohle	1993-94 Stephen A. Chittenden
1967-68 Lamar King/Leland B. Menard	1994-95 William M. Slade
1968-69 Ed Fuller	1995-96 Juan A. Soler
1969-70 William A. Smith	1996-97 Timothy J. Citek
1970-71 Fareed T. Ossi	1997-98 Mark Smith
1971-72 Lee Bendall	1998-99 Joseph Griner, III
1972-73 John Degian	1999-00 Colleen Smith
1973-74 Mark Chambers	2000-01 John W. Wells, III
1974-75 Charles "Stan" Weaver	2001-02 Gary Stenlund
1975-76 Charles D. Jacobs	2002-03 Bill Wright
1976-77 Peter Scott	2003-04 Don Crosby
1977-78 Ray Rinke	2004-05 Ted S. Hansen, Sr.
1978-79 Lloyd H. Biossoneault	2005-2006 P.J. Crespo
1979-80 James H. Carroll, Jr.	2006-2007 Dan Herrera
1980-81 S. Michael Tappouni	2007-2008 Jennifer Isenbeck
1981-82 Alberto J. Sanchez	2008-2009 Debie Horsey
1982-83 James L. Repp	2009-2010 Andrew Elsberry
1983-84 Rodney C. Thomas	



We are looking for some volunteers to help out with the ASHRAE. If you're interested please e-mail Michael Cowles at mike.cowles@kenyon.com and partners.com

Next Florida West Coast Chapter Meeting

September 21st, 2010

Green Codes and Standard 189.1 with Kent Peterson, PE

The Columbia Restaurant
2117 East 7th Avenue
Tampa, FL 33605

Times:
Guest Arrive Early for Check-In 5:30 P.M.

Speaker and Dinner Begin 6:30 P.M. - 8:30 P.M..

Your Florida West Coast Chapter website has been updated and is looking for more content! Is there information you would like to see made available online? Do you have questions about the Florida West Coast Chapter? Let us know! Feel free to email your Cyber Chair, [Jason Babinec](mailto:jason.babinec@ashrae.org) with any concerns or comments.

This home page is maintained by the Florida West Coast Chapter of the American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc. ASHRAE chapters may not act for the Society and the information presented here has not had Society review. To learn more about ASHRAE activities on an international level, contact the ASHRAE home page at <http://www.ashrae.org>.



BE GREEN WHEN YOU RENEW!

Board Members, Committee Chairs and Contact Info:

<u>Jeff Ross</u> President 813-918-8252	<u>Shawn Jeffrey</u> Pres. Elect/Programs 813-731-1062	<u>Jason Proctor</u> V.P./Research Promotion 813-917-1648	<u>Philippe Jean</u> Membership/Education 813-541-3516	<u>Joe Souza</u> Treasurer/TEGA 813-309-2155	<u>Joe Cox</u> Secretary/Student Chair 813-763-9654
<u>Debie Horsey</u> YEA Chair 813-97748-9406	<u>Dan Herrera</u> Historian 813-839-0506	<u>David Henry</u> Governor 813-310-8977	<u>Adam Parke</u> Refrigeration 813-228-1755	<u>Mike Costello</u> Publicity/Governor 813-300-4662	<u>Michael Cowles</u> Newsletter/Governor 813-241-6488
<u>Ike Crimm</u> Special Events 813-758-2749	<u>Leon Boe</u> Reception 813-879-0383	<u>Jason Babinec</u> Cyber Chair 813-241-6488	<u>Jason Proctor</u> Chapter Roster 813-917-1648		



Florida West Coast Chapter

AMERICAN SOCIETY OF HEATING, REFRIGERATION AND AIR CONDITIONING ENGINEERS

ASHRAE Logo Shirts Order Form

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ASHRAE Chapter _____

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City, State _____ Zip Code _____

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*****All proceeds will go to Research Promotion*****



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X-Large, Qty: _____
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Women's Columbia (Green)

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Payment (circle one): Cash

Credit Card
(Contact David Henry)
david@noaddress.com
813-310-8977

Check
(Make check payable to ASHRAE FWC)

Total Payment: _____



Date: Tuesday - August 31, 2010

Time: 4:30 pm



One Tropicana Drive
St. Petersburg, FL 33785
888-324-7297

Contact Rob Shorey or Al LaPera
at 813-637-0110 for more details.

ASHRAE / ASPE JOINT MEETING



Mail payment to your respective chapters:

Sarasota / Bradenton Section of Westcoast Florida
Chapter ASHRAE - Contact Al LaPera (TLG)
500 N. Westshore Blvd., Ste 435
Tampa, FL 34639
Email: allapera@tlc-ene.com

Westcoast Florida ASPE Chapter - Contact Rob Shorey (TLG)
P.O. Box 22022
Tampa, FL 33627
Email: rob.shorey@tlc-ene.com

**Westcoast Florida ASPE Chapter & Sarasota /
Bradenton Section of Westcoast Florida Chapter of
ASHRAE Joint Meeting at Tropicana Field
August 31, 2010 @ 4:30pm**

We are pleased to announce the second annual joint meeting of the Westcoast Florida ASPE Chapter & Sarasota / Bradenton Section of the Westcoast Florida Chapter of ASHRAE. This event is to promote an ongoing relationship between the HVAC & Plumbing industries bridging the bay. The cost of this event is \$30.00 per



This joint meeting shall be kicked-off with a "2004 CSI Master specification" technical session, (CEU's are available). To make this a truly special evening, following the technical meeting, you are invited to join us in the Rays Party Suite and enjoy a evening of baseball - The Toronto Blue Jays vs. Tampa Bay Rays. Space is limited! So please reserve your seat today by mailing your payment to your respective chapter contact listed below on the left, don't hesitate. Seats shall be reserved on a first come first serve basis.

Highlights

- 4:30 pm - 5:00pm Registration
- 5:00 pm - 6:00 pm "2004 CSI Master Specification" Technical Meeting
- 6:00 pm - 7:00 pm Networking time with Sponsoring Manufacturers
- 7:00pm Baseball game - Blue Jays vs. Rays in Party Suite

Name _____

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ASHRAE FLORIDA WEST COAST CHAPTER

**SEPTEMBER 21, 2010
DISTINGUISHED LECTURER MR. KENT PETERSON
COLUMBIA RESTAURANT, YBOR CITY**

The Florida West Coast Chapter of ASHRAE is starting our new year with a BANG. Distinguished Lecturer Mr. Kent Peterson, PE coming to speak to our chapter about:



***Green Codes and Standard 189.1
Standard for the Design of High-
Performance Green Buildings***

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Email me with questions at shawn.jeffrey@kpiengineering.com or call (813)241-6488

Shawn M. Jeffrey, Sr.
FWC Programs Chair



Columbia Restaurant
2117 East 7th Avenue
Ybor City, Florida 33605



Meeting Schedule:

Board Meeting:	4:15pm — 5:30pm
Technical Topic:	5:50pm — 5:50pm
Registration:	5:00pm — 6:00pm
Main Meeting:	6:00pm — 8:00pm