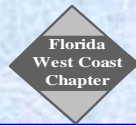


Keeping it Cool with ASHRAE



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

From the Desk of the President



December? Already? No it isn't. Can't be. The golf tournament was last month right? Well, Outlook says it December, this desk top calendar I scribble on says it's December, it's freezing cold outside..... wait. I'm so confused..... Well my kids are getting antsy and I remember eating something that was shaped like a turkey last month. It was similar to turkey jerky on the top and still bloody on the bottom but the middle was pretty horrific. Thank goodness for casseroles.

It may still be hotter than the hubs of Hades outside but we are going to bring you a cool topic for this month. Thermal storage. That means ice for you air distribution guys. Mark Johnson with Calmac will be here to discuss the do's and don'ts for static ice storage systems.

The meeting this month will be a lunch meeting at the Columbia Restaurant. In case you missed that, this is a lunch meeting!! Registration will begin at 11:30 A.M. and the meeting will start at noon. We have already called and apologized to the bartenders. I hope you all have a safe and Merry Christmas.

Jason Proctor, FWC President (2012-2013)

TOYS FOR TOTS

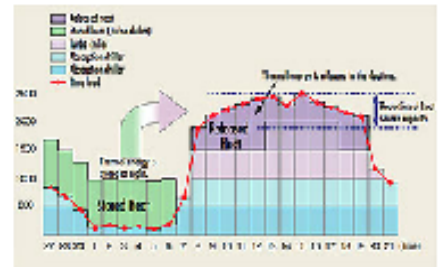


U.S. MARINE CORPS RESERVE



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DECEMBER 18, 2012

Thermal Energy (Ice) Storage

Presented by: Mark Johnson with Calmac

Ice Storage Systems have been operating in buildings in Florida since the 1950's. Glycol Static Ice Systems have become the 'norm' for their simplicity, durability and cost effectiveness; there are over 400 such installations in Florida today. Design basics, economics, and market drivers, including all rebates available in Florida will be discussed.

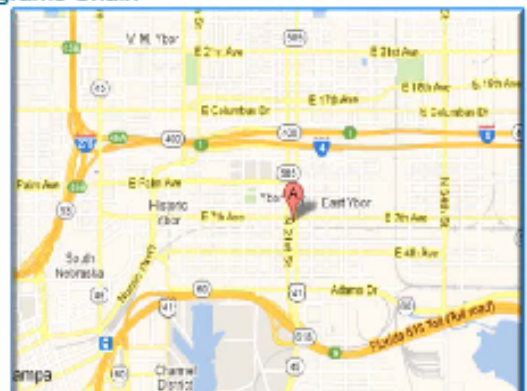


This event is our Toys for Tots drive. Please bring an unwrapped toy and make a very deserving child's Christmas one to remember. We will also issue a voucher for \$5 off the next meeting for anyone bringing a toy. Let's show our community what ASHRAE is all about, a giving organization.

Please RSVP on the FWC website at: http://www.ashrae-fwc.org/chapter_meetings.htm
 Cost: \$35 thru PayPal before the 17th, or \$40 the day of Event with PayPal.
 Email any questions or to RSVP @ pjean@stanweaver.com or call (813)879-0383.
 Philippe Jean, P.E., LEED_{AP} FWC Programs Chair.

Meeting Schedule:
Registration: 11:30am — 12:00pm
Main Meeting: 12:00pm — 1:00pm

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



Research Promotion

Thanks to everyone that has registered for the 3rd Annual RP Clay Shoot, there are only a couple of slots open so please get your RSVP and Entry Form to me ASAP if you haven't already. I expect that we'll have a great time and I look forward to seeing you there. Your research dollars return to us in many ways, and I want to share some key dates and RP opportunities with our membership.

ASHRAE's Research Administration Committee (RAC) recently clarified the new Innovative Research Grant (IRG) program, initiated last Society year, and now requests pre-proposals for grant. Pre-proposals are due December 15th and should be submitted to the ASHRAE Manager of Research and Technical Services (MORTS@ashrae.org). The Principle Investigators (PIs) for short-listed pre-proposals will be notified by the end of February and invited to submit full proposal by April 15th. The winning proposal PI will be notified by July 15th and with project start by mid-September.

Purpose of IRG:

IRG provides seed funding for novel research that does not fit within current TC research activities. It must have potential to significantly advance the state-of-the-art in heating, ventilating, air-conditioning and refrigeration engineering. This encourages out-of-the-box research to complement the research proposed and provides guidance by technical committees. It does not supplement on-going research nor support (partially or fully) commercial product development or improvement. It provides targeted seed money to encourage 'blue sky research' that otherwise may not be funded.

Additionally, here are a few pending RP grant deadlines:

December 1, 2012 Applications for the ASHRAE New Investigator Award are due to MORTS.

December 15, 2012 Pre-Proposals are due for the Innovative Research Grant Program.

December 15, 2012 Applications for ASHRAE Graduate Student Grant in Aid program are due to MORTS.

December 15, 2012 Nominations for the ASHRAE Homer Addams Award, which is given to graduate students assisting in current or recently completed ASHRAE sponsored research projects, are due to MORTS.

December 15, 2012 Bids are due for all Tentative Research projects (TRPs) released in fall 2012.

December 15, 2012 New or revised Work Statements and RTARs are due to MORTS for RAC consideration at the 2013 winter meeting.

I'd be happy to assist our chapter members, students, and companies with any grant opportunities that you may offer for consideration, just let me know what I can do to help.

Joe Souza, Research Promotion Chair (2012-2013)

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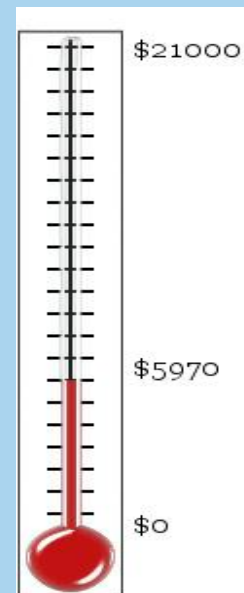
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Mr. Ross D. Montgomery, PE



ASHRAE FWC History Corner

Here is a summary of the formation of the Chapter obtained from Chapter history archives.

The Chapter was chartered in February 1956 as one of the first chapters in Florida, as an extension of the Atlanta Chapter. The charter was presented to Mr. Karl Hickman in a dinner meeting at the Columbia Restaurant, the same venue where the FWC holds the dinner meetings currently this year and for the last two years. Mr. Sam Graziano, the first vice chairman, received the charter for the chapter.

The first Florida West Coast Chapter Board members were as follows:

- Karl K. Hickman Chairman
- Sam Graziano First Vice-Chairman
- Gilbert D. Leach Jr. Second Vice-Chairman
- Walter A. Pitt Jr. Secretary
- Fred L. Graves Treasurer

The initial charter members included George Durant, Charlie Dugan, Charlie Caccamo, Gilbert Leach, Mote Baird, Leo Toribio, Guy Hall, Dick Stenholm, Mark Mooney, Bud Menard and Otto Kraus.

The merger of ASHAE and ASRE in 1959, and the combination of the local ASRE chapter and the Central Florida members of the Jacksonville Chapter of ASHAE gave rise to the Florida West Coast Chapter of today. The original charter document is kept framed by the chapter Historian and has been displayed at most of the Chapter Regional Conferences (CRC).

Daniel G. Herrera, Chapter Historian (2012-2013)

Lame Duck Congressional Coverage

With Members of Congress away from the nation’s capital, meeting with constituents and seeking reelection (all members of the U.S. House of Representatives, and one-third of the U.S. Senate are up for reelection), late October and early November serve as the calm before the storm of legislative activity that occurs from mid-November through December, when Members of Congress will hastily seek to pass legislation during the so-called “lame duck” period after the elections. This period is special because it represents the last chance to vote on legislation for Members of Congress who lost their reelection bids or are retiring. This is also the last opportunity for legislation to be acted upon this year – any bills that didn’t make it into law would have to be reintroduced next year, when the new Congress begins and new Members take office and those not up for reelection return to legislative work. The painstaking and time-consuming process of drafting legislation, moving it through one or more committees in the House and Senate, lining up support, and scheduling votes will have to be repeated for these bills.

A summary of congressional activity in the beginning of the lame duck and the likely impacts of the elections on ASHRAE interests are included in this edition of the Government Affairs Update.

Malia Powers, Government Affairs Chair (2012-2013)

How to Contribute to ASHRAE Made Easy

2012-2013 ASHRAE RESEARCH Florida West Coast Chapter

This industry gives all of us our livelihood. ASHRAE’s research and educational programs are what keeps our industry and profession on the leading edge and assures its continued existence. Confident that you will recognize the benefits of this investment, I am asking you to help fund future HVAC&R research and development.

Contact: Joe Souza
4208 Fox Ridge Blvd, Wesley Chapel, Florida 33543
(813-308-2155 or joseph.souza@lge.com)



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Mandatory Commissioning for All Building???

ATLANTA – Commissioning for all buildings designed and built under a green building standard from ASHRAE, the U.S. Green Building Council (USGBC) and the Illuminating Engineering Society (IES) would become mandatory under a new proposal open for public input.

ANSI/ASHRAE/USGBC/IES Standard 189.1-2011, Standard for the Design of High-Performance, Green Buildings Except Low-Rise Residential Buildings, provides a design standard for those who strive for high performance buildings. It covers key topical areas of site sustainability, water-use efficiency, energy efficiency, indoor environmental quality and the building’s impact on the atmosphere, materials and resources.

Proposed addendum p would remove the “Acceptance Testing” provision (Section 10.3.1.1 Building Acceptance Testing) for small buildings. The proposed addendum is open for public review from Oct. 19-Nov. 18, 2012. To comment on the proposed changes or for more information, visit www.ashrae.org/publicreviews.

Currently the standard implies that when a building area is less than 5,000 square feet it is considered to have simple building systems, and thus requires a reduced level of commissioning effort, referred to as Acceptance Testing, according to Jeff Ross-Bain, a member of the Standard 189.1 committee. However, building area does not relate to complexity as many buildings less than 5,000 square feet can be complex.

Under the proposed addendum, building commissioning per Section 10.3.1.2 becomes mandatory for all buildings that are designed and built under the requirements of the standard.

“Commissioning is a robust and well supported discipline with established guidelines (ASHRAE and others), a long history of use and with many practitioners,” he said. “The commissioning process is one that adapts to the specific attributes of a given building. A ‘simple’ building would only require ‘simple’ commissioning regardless of size.”

Ross-Bain noted that “Acceptance Testing” is not a universally defined activity nor does there appear to be specific instructions or guidelines within the industry detailing how this activity is formally completed. Also, a review of the mandatory requirements of Standard 189.1 could be interpreted as producing a relatively complex building (i.e. consumption measurement, on-site renewable energy, day lighting control, outdoor air delivery monitoring, economizers, condensate recovery, etc.), which requires a higher degree of commissioning activity.

Finally, under the current “Acceptance Testing” section, Standard 189.1 would not meet the minimum commissioning prerequisite of the Leadership in Energy and Environmental Design (LEED) rating system, which requires all buildings to undergo the commissioning process.

GSA Holds Green Building Advisory Committee Meeting

Earlier this week the U.S. General Services Administration (GSA) held a meeting of its Green Building Advisory Committee (GBAC) to discuss a number of issues, including the Green Building Certification Review, Facilities Management Institute (www.FMI.gov), Knowledge Network, and the business case for federal green buildings.

GBAC is a group made up of representatives from the U.S. Departments of Energy, Defense, Transportation, National Institute of Standards and Technology, Office of Management and Budget, Council on Environmental Quality, and others. There are also 11 non-federal GBAC members – including ASHRAE past President Kent Peterson. GBAC provides advice and recommendations to GSA and GSA’s Office of Federal High-Performance Green Buildings in particular, on efforts to increase the sustainability of technologies and practices in federal buildings.

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Your companies name and line can be advertised here. Contact Michael Cowles with the ASHRAE Florida West Coast Addenda Newsletter today to learn how and see the flyer on the next page.
Michael Cowles, FWC Addenda Newsletter Editor, (813)-241-6488

FWC ASHRAE Sustainability Committee Wants YOU!

Are you interested in learning more about Building Modeling?

What kinds of tips can your peers offer?

What software and tools can be used, what is your favorite? What is free? What is required?

What is ASHRAE 90.1 Appendix G and where are Standards 189.1 and 90.1 going?



We would like to conduct a focus group just for our Florida West Coast members.

Join us for an hour over lunch so we can discover ways to help YOU!

We are looking at dates in January.

Email: Jennifer Isenbeck, PE, LEED BD+C, CPMP jisenbeck@ut.edu (FWC Sustainability Chair)

Where can you find **FREE** resources on Sustainability?

For ASHRAE members only:

- 30% and 50% beyond 90.1-1999 Advanced Energy Design Guidelines: <http://www.ashrae.org/standards-research--technology/advanced-energy-design-guides>
- *The ASHRAE Energy Efficiency Guide for Existing Commercial Buildings: The Business Case for Building Owners and Managers* — Provides the rationale for making economic decisions related to improving and sustaining energy efficiency in existing buildings.
- *The ASHRAE Energy Efficiency Guide for Existing Commercial Buildings: Technical Implementation Publication* – Provides technical guidance for implementing energy efficiency measures in existing buildings.

ASHRAE FREE Webcast: April 18, 2013 “Assessing Building Energy Performance: From Practice to Principals”

Other FREE Resources and Great Case Studies and Articles:

High Performance Buildings Magazine: <http://www.hpbmagazine.org/>

BIM Guide: <http://www.ashrae.org/resources--publications/free-resources/free-publications>

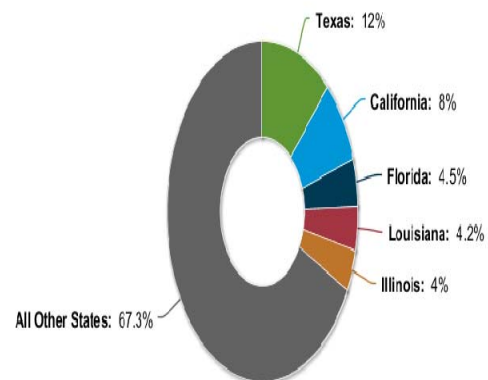
U.S. Department of Energy: Energy Efficiency and Renewable Energy, Commercial Building, High Performance Building Energy Database: <http://buildingdata.energy.gov/>

The Living Building Challenge: a Philosophy, Advocacy Platform and Certification Program that promotes a *Visionary Path to a Restorative Future*. See: <https://ilbi.org/lbc>

How ASHRAE Volunteers:

Read ASHRAE President Tom Watson’s letter and promotion of Sustainability as this year’s theme: *Broadening ASHRAE’s Horizons*, <http://www.ashrae.org/society-groups/volunteer/ashrae-community-sustainability-projects>

U.S. energy consumption, 2010



United States = 97.7 quadrillion Btu



Source: U.S. Energy Information Administration, State Energy Data System 2010



Please consider advertising in the Florida West Coast Chapter of ASHRAE’s newsletter and website. Your advertisement is published 10 times per year, and can be updated through the year with a new copy if desired. In addition, your business card will be scanned and included on the chapter website, and your company name and contact information is included on the Chapter Affiliates page of the website. The chapter encourages its members to review the newsletter and website whenever they consider a product for the project designs.

For the 2012-2013 year, the Chapter Board of Directors has decided upon the following rate as detailed below. In appreciation of the support from our sponsors during this difficult economic time, we want advertising in the chapter newsletter and website to remain affordable and accessible.

2012-2013 ASHRAE FWC Advertising Rates (All Rates are for the Business Year Including 10 Newsletter Publications and 10 Months of Information Placed on the Florida West Coast Brand New Website)		
Ad Type and Size:	ASHRAE FWC Members Fee:	Non-Members Fee:
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Full Page Newsletter/Website Ad (Includes Business Card on Website)	\$350.00	\$400.00
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Please indicate your interest in advertising with us by responding to the email address below and remit your ad copy in either PDF or JPEG formats to Mike Cowles. Please send payment to the Chapter address below to ensure placement of the ad in the September edition of the newsletter. Advertising fees shall be prorated based on the number of newsletter editions remaining upon the purchasing of your advertising plan.

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The Commissioning Process in New & Existing Buildings
Saturday, Jan 26 – 8:00 a.m. to 3:00 p.m.

Complying with Standard 90.1-2010
Tuesday, Jan 29 – 9:00 a.m. to 4:00 p.m.

Data Center Energy Efficiency
Saturday, Jan 26 – 8:00 a.m. to 3:00 p.m.

**Energy Modeling Best Practices and Applications:
HVAC/Thermal**
Tuesday, Jan 29 – 9:00 a.m. to 4:00 p.m.

Healthcare Facilities: Best Practice Design & Applications
Saturday, Jan 26 – 8:00 a.m. to 3:00 p.m.

Half-Day Short Courses

\$159/\$119 ASHRAE Member -- Earn 3 PDHs/AIA LUs or .3 CEUs

Air-to-Air Energy Recovery Fundamentals
Sunday, Jan 27 – 2:00 p.m. to 5:00 p.m.

Commissioning Process & Guideline 0
Monday, Jan 28 – 2:45 p.m. to 5:45 p.m.

**Humidity Control: Applications, Control Levels
and Mold Avoidance**
Sunday, Jan 27 – 2:00 p.m. to 5:00 p.m.

Evaluating the Performance of LEED®-Certified Buildings
Monday, Jan 28 – 2:45 p.m. to 5:45 p.m.

Air-to-Air Energy Recovery Applications: Best Practices
Monday, Jan 28 – 8:30 a.m. to 11:30 a.m.

**Optimization of HVAC Systems & Components:
Techniques & Real-World Examples**
Tuesday, Jan 29 – 9:00 a.m. to 12:00 p.m.

**Application of Standard 62.1-2010:
Multiple Spaces Equations & Spreadsheet**
Monday, Jan 28 – 8:30 a.m. to 11:30 a.m.

Energy Management in New and Existing Buildings
Tuesday, Jan 29 – 9:00 a.m. to 12:00 p.m.

Combined Heat & Power: Design through Operations
Monday, Jan 28 – 8:30 a.m. to 11:30 a.m.

Avoiding IAQ Problems
Tuesday, Jan 29 – 9:00 a.m. to 12:00 p.m.

**Understanding Standard 189.1-2011 for
High-Performance Green Buildings**
Monday, Jan 28 – 2:45 p.m. to 5:45 p.m.

Designing Toward Net Zero Energy Commercial Buildings
Tuesday, Jan 29 – 1:00 p.m. to 4:00 p.m.

**Introduction to Ultraviolet Germicidal
Irradiation (UVGI) Systems**
Monday, Jan 28 – 2:45 p.m. to 5:45 p.m.

Understanding & Designing Dedicated Outdoor Air Systems
Tuesday, Jan 29 – 1:00 p.m. to 4:00 p.m.

Laboratory Design: The Basics and Beyond
Tuesday, Jan 29 – 1:00 p.m. to 4:00 p.m.

HVAC Design Training

Jan 14-18, 2013 • Jan 30-Feb 1, 2013 (Level I only) • Mar 18-22, 2013 • Jun 3-7, 2013 • Aug 12-16, 2013

HVAC Design: Level I - Essentials

Gain practical skills and knowledge in designing, installing and maintaining HVAC systems that can be put to immediate use. The training provides real-world examples of HVAC systems, including calculations of heating and cooling loads, ventilation and diffuser selection using the newly renovated ASHRAE Headquarters building as a living lab.

HVAC Design: Level II - Applications

Developed by industry-leading professionals, the workshop provides participants with advanced level information about designing, installing and maintaining HVAC systems that can be put to immediate use. Participants will gain an in-depth look into Standards 55, 62.1, 90.1, and 189.1 and the Advanced Energy Design Guides, as well as a range of other HVAC topics including: HVAC equipment and systems; energy modeling; designing mechanical spaces; designing a chiller plant; and BAS controls.

Visit www.ashrae.org/hvacdesign to register

www.ashrae.org/abepwebcast

Brought to you by the ASHRAE Chapter Technology Transfer Committee



Presenters



Thomas E. Wakson,
ASHRAE President



Drury Crawley, Ph.D.



Jim Kelsey, LEED AP,
P.E., BEAP



Christopher Mathis

Assessing Building Energy Performance:

From Principles to Practice

April 18, 2013 | 1:00 PM-4:00 PM EDT

This webcast will feature industry experts who will explain the importance of building energy performance and its far-reaching implications in both new and existing buildings. Viewers will also learn about the various tools and approaches that are available, as well as the many opportunities that assessing building energy performance presents.

How to Participate

- You may register to view the webcast on your PC
- You may host a webcast viewing site for your colleagues
- View the webcast at a site

PDH Credits

Three (3) Professional Development Hours (PDHs) or three (3) AIA Learning Units (LUs) may be awarded to viewers who complete the "Participant Reaction Form" by May 2, 2013.

For more information about the program, presenters, continuing education credits, sponsorships, and ABEP resources, please visit us at www.ashrae.org/ABEPwebcast OR scan this tag with your smart phone.



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1983-84 Rodney C. Thomas	2010-2011 Jeff Ross
	2011-2012 Shawn Jeffrey, Sr.

Upcoming FWC Events

December 18, 2012

(Lunch Meeting):

ASHRAE 3738 (RP-592)
Thermal Storage Round Table
Panel Discussion
Refrigeration Night

January 10, 2013

Mentoring Minds
Thermal Storage

January 15, 2013

Sustainability in Healthcare
Joint Meeting with USGBC & AIA

January 16, 2013

"Sound Design" Seminar
4 CEUs, Location TBD

February 22, 2013

ASHRAE FWC

Golf Tournament:

The Eagles Country Club



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<u>Jason Proctor</u> President 813-250-0488	<u>Philippe Jean</u> Pres. Elect/Programs 813-541-3516	<u>Joe Souza</u> V.P./Research Promotion 813-309-2155	<u>Joe Cox</u> Membership 813-250-0488	<u>Mike Costello</u> Treasurer/Shrimp Boil 813-300-4662	<u>Ike Crimm</u> Secretary/Golf Event 813-288-1500
<u>Leon Boe</u> YEA Chair/Governor 813-879-2749	<u>Dan Herrera</u> Historian 813-839-0506	<u>Jeff Ross</u> CTTC Chair 813-250-0488	<u>Debie Horsey</u> Refrigeration 813-748-9406	<u>Malia Powers</u> Governor/TEGA Chair 813-220-0588	<u>Michael Cowles</u> Newsletter/Governor 813-241-6488
<u>Shawn Jeffrey</u> Nominating/Governor 813-250-0488	<u>Michael Cowles</u> Facebook Page 813-241-6488	<u>Jacob Moberg</u> Reception Chair 813-448-0225	<u>Cyber Chair</u> Jason Babinec 813-620-6152	<u>Eric Viera</u> Chapter Roster 813-448-0225	<u>Chris Brown</u> Publicity 813-784-1740