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Upcoming Events:

March 18th – Monthly Dinner Meeting
April 4th – Annual Shrimp Boil
 May 20th – Monthly Dinner Meeting

For More Information:

<http://www.ashrae-fwc.org/>

-OR-

Mike Costello

mcostello@cea-engineers.com

813-300-4662

8365 Gunn Highway

Tampa, Florida 33626

From the Desk of the President Philippe Jean, P.E.

Greetings to all of the Florida West Coast members and guests. It is March already and we're coming off our golf outing.



The weather was absolutely perfect for the tournament and a good time was had by all. Isaac Crimm has run this event for several years and it continues to be a great event for the members and guests. Thank you to all the members and guests that made this such a positive event and to all of the sponsors for their financial support. The golf tournament would not be possible without each of your continuing support.

Our next chapter meeting will be on March 18th. The topic of this presentation will be building modeling which promises to be an educational and informative presentation. I look forward to seeing all of you at this meeting.

We are closing in on **April's Shrimp Boil**. Last year's event was the largest in recent history and this year's Shrimp Boil promises to be even better. Mike Costello does a fabulous job with this event with his core of volunteers doing the cooking, setup and cleanup of the event. Please come out a support this social event.

On a final note we are starting to put together our board and committee chairs for next year. If you would like to volunteer, please let me or one of our board members know that you are interested. The Florida West Coast Chapter is a great organization and needs the support of all of you to continue to be one of the best chapters in our region!

NEXT ASHRAE FWC MONTHLY MEETING:

How to Energize Team Collaboration!



Tuesday night,
March 18, 2014



U.S. GREEN BUILDING COUNCIL
FLORIDA GULF COAST CHAPTER

We are proud to have a Joint Meeting with the USGBC Florida Gulf Coast Chapter!

Emerging Technologies in Sustainable Design and Their Effect on Our Future...

- Do you understand the concept of energy modeling and the value it provides?
- Are you familiar with the emerging software utilized for this approach on today's projects?
- Are you aware that this technology is now required for new building LEED certifications?

If you answered no to any of these questions, you cannot miss this program! Join us as leaders in advanced technologies discuss the benefits and value of its use in early design phases to enhance the efficiency of today's buildings. Join our diverse panel to learn different perspectives on how these applications are currently being used and what is on the horizon.

We will have an interactive *Energy Modeling Night at the Improv – Featuring the Wizard of SD!* session that will illustrate how a project team (not just the designers, but also the owners, users and builders) can use a **FREE** energy modeling tool to help make decisions that can increase the energy efficiency of a building even **BEFORE** any commitments are made on the HVAC systems. This is a great session for anyone who is interested in increasing the efficiency of their buildings in a fully integrated approach!

We will be also having a 50/50 drawing that evening.

Presenter for the Evening:

Al LaPera CxA, LEED AP
TLC Engineering

Location:

Columbia Restaurant

2117 East 7th Ave

Ybor City, Florida 33605

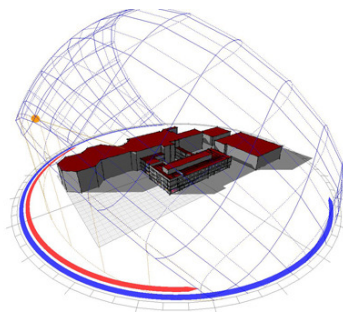
Meeting Schedule:

Board Meeting: 4:15 PM — 5:30 PM

Tech Meeting: 5:15 PM — 6:00 PM

Registration: 5:00 PM — 6:00 PM

Main Meeting: 6:00 PM — 8:00 PM



The Program will also be offering Continuing Education Credits

1.5 LU/HWS AIA Hours

2 PDH credit Hours

1.5 USGBC self reported non LEED Specific Hours

Engineering PDH

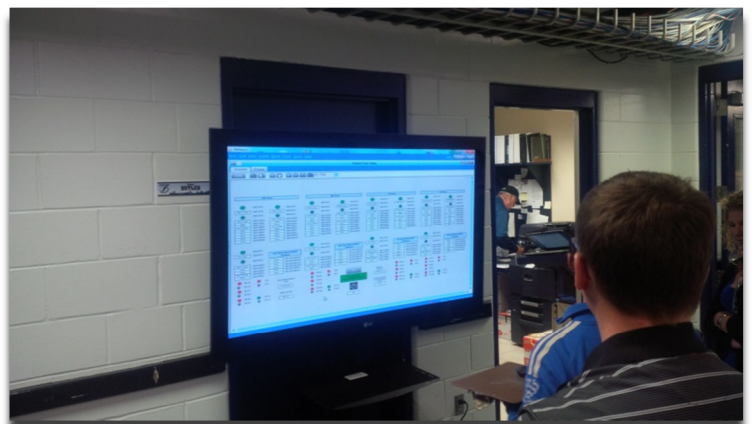


YEA (Young Engineers In ASHRAE) Hockey Night by Leon Boe



YEA Group Goes behind the scenes at the St Pete Times Forum!!!

On March 6th the YEA Members of the ASHRAE Florida West Coast Chapter had the opportunity to get an exclusive behind the scenes tour of the St Pete Times Forum! We also stuck around to watch a great game between the Tampa Bay Lightning and the Buffalo Sabres. The game was a loss for the Lightning but a big win for ASHRAE and the YEA group. Getting to see the mechanical systems of this building and the chillers in the Ice plant was really exciting stuff! Who knew that after each hockey game the NHL gives the ice a "score" and must meet some pretty strict criteria to be found acceptable for play. Given Florida's high humidity environment this makes creating a perfect sheet of ice no easy task, but with the new Air Handlers which were installed by Tappouni Mechanical (Mike Tappouni, Life Member ASHRAE, Past President 1980-81), combined with Heat Pipe Technologies (Philippe Jean, Current ASHRAE President) they are able to control the space temp and relative humidity with ease. We also were able to view the high tech controls systems which allows the building to be adjusted remotely through the internet, and is saving the Forum tons of money on their electrical bill. We were very fortunate to get this rare behind the scenes access and would like to thank Steve Butler, Building Operations Manager, and Mike O' Donnell, Project manager for their time, and the fantastic tour they gave us! If you weren't able to join us this time, keep an eye out for our next event, it is sure to be a good time!



2014 ANNUAL ASHRAE SHRIMP BOIL



Friday, April 4, 2014

6:00 - 11:00 PM

Davis Islands Garden Club
81 Columbia Drive, Tampa

Individual Ticket

(via PayPal or Check)

\$30 in advance, \$35 day of event
(includes all you can eat shrimp & chicken,
unlimited beverages)

\$150 Corporate Sponsorship

(includes company name/logo on table display
AND (2) Shrimp Boil entries)

REGISTRATION:

Attendee Name: _____	Additional Attendees
Company Name: _____	Name: _____
Mailing Address: _____	Name: _____
City, State, Zip: _____	Name: _____
Phone: _____	Name: _____
Email: _____	Name: _____

PAYMENT INFORMATION:

Type: _____ # Attendees _____ \$ _____

Pay online via PayPal @ <http://www.ashrae-fwc.org> OR Fill out this form and mail to:

ASHRAE-FWC Shrimp Boil, C/O Mike Costello, 8365 Gunn Highway, Tampa, FL 33626. Please make checks payable to ASHRAE-FWC.

For more information, email questions to mcostello@cea-engineers.com

ASHRAE bEQ Building Energy Labeling Program

Submitted by Jennifer Isenbeck



Building Energy Quotient (bEQ) is a building energy labeling and rating program that lets commercial building owners discover opportunities to lower building operating cost, benchmark their energy use, and make informed decisions to increase value. The bEQ label is actually two labels in one: an *In-Operation* label that rates a building's energy performance by using actual measured energy use, and an *As-Designed* label that rates the as-built conditions of the building by using modeled energy use under standardized conditions.

In December 2013, the committee added Professional Engineers to its list of qualified providers in addition to ASHRAE certified BEAP's and BEMP's, as well as using ASHRAE Standard 100 EUI tables as its basis to establish the baseline median EUI.

For info, see our website: <http://buildingenergyquotient.org/>

Affiliate Membership Program

By Mike Costello

If you are, or know someone that is a prospective new member, then the Affiliate grade of membership may be for you! This program is for individuals at or under the age of 30 that are new to ASHRAE (not previously a Student or Associate member). These members will receive the following discounted rate:

- \$52 for the first year
- \$72 for the second year
- \$92 for the third year

Participants in this program still receive most of the benefits of Associate Membership (except the ASHRAE Handbook) but at a considerably discounted rate (Current Associate Member dues are \$192 per year). Information can be found at: <https://www.ashrae.org/membership--conferences/join-now>.

If you have any questions, please contact me at: 813-300-4662, or at mcostello@cea-engineers.com.

Grassroots Government submitted by Malia Powers

House Passes Energy Efficiency Legislation

This week the U.S. House of Representatives passed the bipartisan Energy Efficiency Improvement Act (H.R.2126). Demonstrating the widespread appeal of energy efficiency, this bill was approved by a vote of 375 to 36, with nearly equal numbers of Republicans (191) and Democrats (184) supporting the measure.

Notably, this bill was sponsored and led by Representatives David McKinley (R-WV) – one of the few professional engineers in Congress – and Peter Welch (D-VT). Congressman McKinley and Welch are the Co-Chairs of the High-Performance Building Congressional Caucus, which serves to as a coordination mechanism for buildings-related legislation in the House. The Caucus is supported by the High-Performance Building Congressional Caucus Coalition (HPBCCC).

Co-Chaired by ASHRAE and IAPMO, the HPBCCC is a private sector coalition of over 200 building community stakeholders that works with the High-Performance Buildings Congressional Caucus to educate federal policymakers on the importance of high-performance buildings and how to achieve and promote them.

Earlier this week, the HPBCCC helped educate Members of Congress on the importance of energy efficiency by sending a sign-on letter to all House offices in support of this bill.

The Energy Efficiency Improvement Act represents a package of four other bills. This bill would create new requirements for grid-enabled water heaters, and help building owners and tenants overcome the split incentives of energy efficiency upgrades, in part by creating a voluntary new “Tenant Star” program. This program would provide tenants with recognition for efficiency improvements, similar to the current ENERGY STAR program for whole buildings.

The bill would also promote energy efficiency in federal data centers by requiring federal agencies to work with experts and key stakeholders to develop strategies and best practices for the use, maintenance, and procurement of energy saving information technologies.

Lastly, the Energy Efficiency Improvement Act would improve federal building energy benchmarking by requiring federally leased space in buildings that have not received an ENERGY STAR label to be benchmarked by an online, free benchmarking program. The U.S. Department of Energy would also be required to conduct a study on the impact of state and local performance benchmarking and disclosure policies and associated building efficiency policies for commercial and multifamily buildings. This study would identify best practice policies that have resulted in the greatest improvements in building energy efficiency.

The House will likely now take a break from energy efficiency legislation to allow time for the Senate to consider this bill, as well as its own bill – the Energy Savings and Industrial Competitiveness Act (S.2074), which was recently reintroduced (more on that in the next section).

BOMA Update

submitted by Malia Powers

BOMA Greater Tampa Bay invites you to a Breakfast on April 1, 2014, 8 to 10am at 101 E. Kennedy Blvd. 8th Floor, Tampa, FL 33602. Register at www.bomagtb.org.

Tim Chamblee - Bio

Tim Chamblee has more than 29 years of experience in the HVAC field. For 12 years, he worked with Trane developing their contractor training courses. Currently, he is with Stromquist and Company where he is responsible for outside sales and technical support to contractors. He is their lead technical instructor providing training on Chilled Water Systems, Digital and Pneumatic controls, VFD startup and operation, VAV/PIU systems and Valves & Actuators.

Tim's love for sharing knowledge about all things HVAC related has him working as an instructor at Chattahoochee Technical College where he teaches a course in the Advanced HVAC Program.

On Tuesday, April 1st at BOMA's Engineers breakfast meeting, Tim will share his knowledge on the role Variable Frequency Drives play in energy savings. He will demonstrate how simple it is to start up and program a VFD and essentially he will take away the "mystery" behind the operation and maintenance of a Variable Frequency Drive!

A sample of Tim's training technique can be viewed by clicking on the following link:
<http://www.youtube.com/watch?v=115ILQazBmg&feature=youtu.be>.

For more information about our BOMA and or the Grassroots initiative, please contact Malia Powers at malia.powers@carrier.utc.com.

New ASHRAE eLearning Course on Humidity Control Design Submitted by Jennifer Isenbeck

ASHRAE is contacting people interested in humidity control to advise them of a new offering.

If controlling humidity issues concerns you or your firm, Humidity Control Design: Basic Principles, Loads and Equipment will be a valuable addition to your training options. This 3 hour course gives a strong foundation for the knowledge needed by technical professionals to avoid classic problems in buildings caused by excessive or uncontrolled humidity.

There simply is no more convenient or effective way to learn:



- The elements of dehumidification loads in buildings
- How loads can be easily approximated with the included spreadsheet
- Which of the many different climatic design extremes must be used when sizing and selecting dehumidification components, and where that data can be found
- The basic types of dehumidification equipment, how they perform, and why they perform that way
- How to quantify the effect of different climates and different types of buildings on dehumidification component sizing and selection

Like all ASHRAE eLearning courses, Humidity Control Design: Basic Principles, Loads and Equipment is:

Authoritative	Built upon ASHRAE's extensive pool of knowledge
Effective	Fully narrated. Searchable. 3 viewing modes. Dynamic exercises test understanding and give you instant feedback.
Economical	\$50 for 12-month access (\$42 for ASHRAE members). No travel-related expenses. Corporate discounts available.
Convenient	Subscribe and start immediately. Train at your own pace and schedule from any computer with internet access.