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Upcoming Events:

- December 4th – Sara/Brad Sect Holiday Party
- December 10th – Mentoring Minds
- December 12th – Yuengling Brewery Tour
- December 16th – Holiday Party
- January 13th – Dinner Meeting
- January 24th/28th – ASHRAE Winter Conference
- February 27th – Annual Golf Tournament
- March 17th – Dinner Meeting
- April 24th – Annual Shrimp Boil
- May 19th – Dinner Meeting

For More Information:

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

From the Desk of the President Joseph Souza



Hello Florida West Coast Chapter!

I've come to the conclusion that November is for the birds... literally. It started with the annual FWC RP clay shoot, which was a huge success. Mike Costello did an outstanding job of running the event and I think everyone that attended had a great time, if not a sore shoulder. The clay shoot has evolved into a huge component of our annual RP contribution, and this year was the most successful revenue generator to date. It's nice to see folks donating to RP with a huge smile on their face! On the other end of the spectrum is Thanksgiving and I sincerely hope that all of our members enjoyed a day of great food and fellowship with their family. All in all, it's a great month NOT to be a bird!

Our November Donor's Recognition Night dinner meeting was an interesting mix of fun and information, and it was exceptionally interesting to learn that attorneys can have a sense of humor. I hope that everyone in attendance was able to garner a few tidbits of legal information that may help you remain clear of trouble. Likewise, I'd like to take another opportunity to thank last year's RP contributors for their generous support.

It's hard to believe that we're nearly half way through the ASHRAE year, and more importantly, quickly closing in on the end of another year. The Programs Committee is hard at work coordinating a number of great events in December and FWC looks forward to seeing everyone enjoy the special activities that they've arranged for the holiday season. With the end of the year comes the beginning of a new year which means another trip to the Great White North - yes, it is one again time to start thinking about the ASHRAE Winter Meeting which will be held January 24 through 28 in beautiful balmy Chicago and I hope to see you there.

Lastly, I'm happy to report that I've received a lot of feedback from our members and I really appreciate hearing from you. Good, bad or ugly, I want to hear what you think - this is your chapter and the leadership team wants to know what you think and feel so we can ensure that you find your ASHRAE membership an important component of your professional life. To that end... are you a member of the FWC Chapter? It's surprising to find that a large number of our members do not pay chapter dues when they renew their Society memberships. Unfortunately, FWC is required to pay Society for every chapter member, regardless of whether or not they pay their chapter dues. This costs the chapter a considerable amount of money each year that we cannot spend on our chapter activities, and that is not fair to our dues paying members. I urge anyone that has not paid their chapter dues this year to do so ASAP.

I wish everyone a great holiday season and I look forward to seeing you at our ASHRAE events.



Research Promotion currently at 55.5% of goal...see Page 10

December Meeting / Holiday Party



“Holiday Party”

Tuesday December 16th, 2014

Holiday Inn Tampa Westshore

700 North Westshore Blvd

Tampa, FL 33609

RSVP Now

Or go to: <http://www.ashrae-fwc.org/events/december-holiday-party>

No Cost to attend

Cash Bar

Reception / Cocktail Hour

5:00 to 7:00 PM

Our December Meeting will be at the Holiday Inn Tampa Westshore—Bar Area. Light appetizers will be served. There will also be a cash bar available. We will be collecting Toys for the Toys for Tots program, so please come by donate a toy, and enjoy a beverage and friends for the holiday season.



E-Mail questions to Joe Cox at: jcox@sladerossinc.com or call: 813-250-0488

Sarasota-Bradenton Section Holiday Party



The Roast Restaurant and Bistro

1296 First St

Sarasota, FL 34236

941.953.1971

www.roastsarasota.com

Please mark your calendars for Thursday December 4, 530-730pm, for another Social to meet and thank our members and guests for making great meetings throughout the year.

No agenda-Just show up anytime and just have a pleasant time.

Dress-Come as you are. Cost-Free to members, and guests of members; Cash Bar

Food: Large selection of Delicious Hor D'ouerves---The Roast is a great restaurant!!

This event is sponsored and paid for by our sponsors, pictured here with their logos; their support was much appreciated.

RSVP appreciated ; Ross Montgomery; rossmont@aol.com

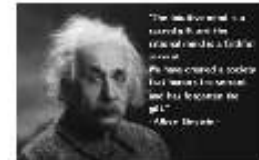


December Mentoring Minds



Minds Meeting Notice

Wednesday December 10, 2014



Fundamentals of Air Conditioning Load Design

The Florida West Coast Chapter is proud to announce the program series designed to help give back to the engineering community by teaching core fundamentals of our trade. One of ASHRAE's core commitments is as follows:

"We are committed to the advancement of the arts and sciences of HVAC&R for the benefit of society through research, technology development and transfer, and education and training".

This is first in a series of programs designed to help provide a basic understanding of HVAC engineering! Our first topic is going to cover the fundamentals of air conditioning loads! The evening will cover the following:

- How to perform a simple heat loss calculation procedure.
- How to find and use local climate data.
- The thermal properties of building materials.
- The effects of air infiltration and ventilation.
- The basic concepts and methods to determine cooling loads.
- The effects of windows, walls, roofs and partitions on loads.
- The basic types of internal loads.
- How to use the CLTD Method.
- What is the Transfer Function Method



Mentor for the Evening
Al LaPera
 CxA, EMP BD+C, O&M, GGP
 TLC Engineering for Architecture

TLC Engineering for
 Architecture Office
 500 North Westshore Blvd
 Suite 435
 Tampa, FL 33609

Class Starts: 6:15PM
 Cost \$10

Meal choices are as follows:
 Pizza, Pizza, Pizza and a drink!

Need RSVP to

Malia.Powers@carner.uto.com



December Brewery Tour

December 12, 2014 — 3 to 6 p.m.



JOINT MEETING



Florida West Coast Section of ASME

Join us for the 2014 refrigeration tour of the Yuengling Tampa Brewery. Tour includes an hour long information session on the history of the brewery and detailed brewing process. Valid ID and closed toed shoes are required to participate.



BE MERRY

Yuengling

CELEBRATE RESPONSIBLY

Sponsored by



RSVP to Chris Pille — pille.christopher@gmail.com — 813.299.2938

Yuengling Beer Company Tampa—1111 North 30th Street, Tampa, FL 33612

ASHRAE FWC - 2014/15 Committee Chairs

Gripes and Accolades – Joe Souza
Programs – Joe Cox
Research Promotion – Mike Costello
Membership Promotion – Ike Crimm
Student Activities – Dan Ronmosky
Government Activities - Chris Pille
Reception – Ethan Grabill
YEA – Malia Powers
Sustainability – Leon Boe
Continuing Education – Al Lapera
Special Events – Ethan Grabill
Refrigeration - Chris Pille
bEQ – Don Herrmann

joseph.souza@lge.com
jcox@sladerossinc.com
mcostello@cea-engineers.com
icrimm@stanweaver.com
daniel@ase2000.org
pille.christopher@gmail.com
egrabill@commercial-products.net
malia.powers@carrier.utc.com
leon@glspies.com
al.lapera@tlc-eng.com
egrabill@commercial-products.net
pille.christopher@gmail.com
don@dcherrmann.com

November Clay Shoot

Submitted by Mike Costello

We had a great turnout this year at the Annual November Clay Shoot. I'd like to thank all of our attendees and the following sponsors:

[Flow Control Technology Company](#)
[CSSI](#)
[Onicon](#)
[Mitsubishi/SladeRoss](#)
[Carrier](#)
[LG/VCS](#)
[Luvata](#)







STEM Anyone?

Submitted by Malia Powers

Science, Technology, Engineering and Mathematics (STEM) is attracting future engineers as the demand for engineers is rising. Yet we are faced with discouraging statistics on the number of students considering engineering careers, and disappointing math and science scores that place U.S. students' performance below many industrialized nations. America is simply not going to have the engineers it needs to stay competitive and remain a world leader in innovation without more investment. Our professions must be able to reach out to our young students to excite, attract and interest them in careers in engineering and related fields.

As we look to supporting students today, we can do this by lending support to Science, Technology, Engineering and Math (STEM) programs that inspire future generations of engineers. Within ASHRAE, we have had many successful K-12 programs and Engineer Week activities. Our focus on STEM will pull it all together and expand our successes in more and different ways including school visits, STEM-related programs, science fairs, inspirational mentoring, and more.

Get involved, join a committee and find out about the next event for encouraging STEM.



Student Activities

Submitted by Dan Romnosky

We had a great turnout of USF students at the last November dinner meeting. We are really building an ASHRAE presence at the university!

We are awarding two scholarships at the end of December. Do you know someone who should hand in an application? Please email me if you do... daniel@ase2000.org.

YEA Activities

Submitted by Malia Powers

What a great turnout we had with YEA (Young Engineers of ASHRAE) at the November Mentoring Minds. We kicked off the technical development session on Psychometrics with Al LaPera. The class was busy working on the charts and graphing out set points and had a blast.

The next Mentoring Minds session is December 10th and on the fundamentals of air conditioning load design. The flyer is on Page 4 of this newsletter. Hope to see you there!



GGAC Update

Submitted by Chris Pille

Florida, Ohio Scale Back Energy-Efficiency Regulations

TALLAHASSEE, Fla. and COLUMBUS, Ohio—Florida regulators have given their approval for electric utilities to cut energy efficiency goals and end solar rebates to customers after 2015. Florida's Public Service Commission voted Nov. 25 to approve staff recommendations that largely backed proposals from the utilities to cut "demand-side management" programs over the next five years. Those programs include rebates for homeowners to install solar panels on their roofs. This follows shortly after Ohio regulators on Nov. 20 approved a request from utility FirstEnergy to put the majority of its energy efficiency programs for customers on hold. The state legislature approved a bill earlier this year to freeze the state's renewable energy and energy efficiency rules to allow them to study the economics. The standards had called for utilities to reduce power use by 22% while obtaining 25% of their power from renewables by 2025.

10 Reasons to Love Engineering

Submitted by Malia Powers

1 - Love your work, and live your life too!

Engineering is an exciting profession, but one of its greatest advantages is that it will leave you time for all the other things in your life that you love!

2 - Be creative

Engineering is a great outlet for the imagination—the perfect field for independent thinkers.

3 - Work with great people

Engineering takes teamwork, and you'll work with all kinds of people inside and outside the field. Whether they're designers or architects, doctors or entrepreneurs, you'll be surrounded by smart, inspiring people.

4 - Solve problems, design things that matter

Come up with solutions no one else has thought of. Make your mark on the world.

5 - Never be bored

Creative problem solving will take you into uncharted territory, and the ideas of your colleagues will expose you to different ways of thinking. Be prepared to be fascinated and to have your talents stretched in ways you never expected.

6 - Earn a big salary

Engineers not only earn lots of respect, but they're highly paid. Even the starting salary for an entry-level job is impressive!

7 - Enjoy job flexibility

An engineering degree offers you lots of freedom in finding your dream job. It can be a launching pad for jobs in business, design, medicine, law, and government. To employers or graduate schools, an engineering degree reflects a well-educated individual who has been taught ways of analyzing and solving problems that can lead to success in all kinds of fields.

8 - Travel

Field work is a big part of engineering. You may end up designing a skyscraper in London or developing safe drinking-water systems in Asia. Or you may stay closer to home, working with a nearby high-tech company or a hospital.

9 - Make a difference

Everywhere you look you'll see examples of engineering having a positive effect on everyday life. Cars are safer, sound systems deliver better acoustics, medical tests are more accurate, and computers and cell phones are a lot more fun! You'll be giving back to your community.

10 - Change the world

Imagine what life would be like without pollution controls to preserve the environment, lifesaving medical equipment, or low-cost building materials for fighting global poverty. All this takes engineering. In very real and concrete ways, engineers save lives, prevent disease, reduce poverty, and protect our planet.

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2014-2015 NEWSLETTER AND WEBSITE ADVERTISING PRICING PACKAGES

ASHRAE (formerly known as American Society of Heating, Refrigerating and Air Conditioning Engineers) is a building technology society with more than 50,000 members worldwide. The Society and its members focus on building systems, energy efficiency, indoor air quality, refrigeration and sustainability within the industry. Through research, standards writing, publishing and continuing education, ASHRAE shapes tomorrow's built environment today.

ASHRAE was founded in 1894 at a meeting of engineers in New York City and has held an annual meeting since 1895. Until 1954 it was known as the American Society of Heating and Ventilating Engineers (ASHVE); in that year it changed its name to the American Society of Heating and Air-Conditioning Engineers (ASHAE). Its current name and organization came from the 1959 merger of ASHAE and the American Society of Refrigerating Engineers (ASRE). The result, ASHRAE, despite having 'American' in its name, is an influential international organization. Amongst other international activities, it helps organize international events.

The society promotes the design and installation of HVAC systems at the highest levels, through publication of Data Books and Handbooks covering all relevant topics, legislative involvement, establishment and support of a research foundation, and standardization of design qualifications.

The Florida West Coast Chapter of ASHRAE was chartered in February 1956 to promote industry standards and best practices at the local level. The local chapter enjoys a strong meeting participation, and generates operating revenue through chapter activities like the annual golf tournament, sporting clay shoot, and specialized learning opportunities with visiting lecturers. A large portion of the proceeds from these activities goes to establish and maintain various local college scholarships, to promote further interest in the HVAC engineering profession following graduation.

Along with the aforementioned activities, our most our most valuable resource for generating operating capital remains chapter sponsorships through paid advertisement. Via its monthly newsletter and newly updated website, <http://www.ashrae-fwc.org/>, the Florida West Coast Chapter of ASHRAE is a resource for its members, and can be an effective tool for promotion of your company, product, or service.

The newsletter is published 10 times per ASHRAE year (September through June of the following year), and is distributed via email ahead of the monthly chapter meetings. In each newsletter, the chapter officers contribute articles that focus on industry happenings, legislative changes, educational opportunities, and more. The current email recipient list is over 1,000 individuals. The chapter website is updated monthly, and includes information on upcoming events, event photographs, posts resumes and career opportunities, and contains useful links to industry resources. The website currently has over 20,000 individual IP computer hits since its launch in September 2013.

2014-2015 NEWSLETTER AND WEBSITE ADVERTISING PRICING PACKAGES

Please consider advertising in the Florida West Coast Chapter of ASHRAE's newsletter and/or website. Your advertisement is published 10 times per ASHRAE year in the emailed newsletter, and can be updated at any time with a new copy if desired. Advertising on the website includes a revolving advertisement at the bottom of each webpage that contains a link to your company website. The chapter encourages its members to review the newsletter and website whenever they consider a product for the project designs.

For the 2014-2015 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.

2014-2015 ASHRAE FWC Advertising Rates (All Rates are for the ASHRAE Year - September 2014 through June 2015)		
Ad Type and Size:	ASHRAE FWC Members Fee:	Non-Members Fee:
10 Monthly Newsletter Ads (Business Card Size) <i>Reaches over 1,000 people per month!</i>	\$100.00	\$150.00
10 Month Website Ad (Business Logo and Link Included) <i>Website has over 20,000 hits!</i>	\$250.00	\$300.00
10 Monthly Newsletter Ads and 10 Month Website Ad	\$300.00 <i>A savings of \$50.00!</i>	\$400.00 <i>A savings of \$50.00!</i>

Please indicate your interest in advertising with us by responding to the email address below and remit your business card and/or logo in either PDF or JPEG formats to Mike Costello. Please send payment to the address below made out to "ASHRAE Florida West Coast". Advertising fees shall be prorated based on the number of newsletter editions and website months remaining upon the purchasing of your advertising plan.

Thank you for considering ASHRAE Florida West Coast Chapter's newsletter and website in your advertising strategy!

mcostello@cea-engineers.com

ASHRAE Florida West Coast Chapter
8365 Gunn Highway · Tampa, Florida 33626 · (813)-300-4662