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Upcoming Events:

- 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 FWC!

The Winter Meeting and AHRI Expo was a rousing success, and it was nice to see such a large number of FWC folks in attendance. Thankfully we got out before the blizzard.

As you may know, Punxsutawney Phil saw his shadow and we're subject to another six weeks of winter. In light of this unfortunate news, I hope that you'll brave the weather and join the FWC in a great round of golf at our upcoming Golf Tournament, it's a great opportunity to make your friends up north green with envy; have you ever tried to find a golf ball in 4' of snow? If you don't know, the golf tournament is the FWC's primary source of income for the year; it funds our scholarships and covers the cost of our students and life members monthly dinners, as well as our holiday socials. I expect that it will sell out early so please get your 4-some registered soon. Don't have a 4-some? That's fine; we have teams with openings, and don't forget to bring some cash for the drawings and mulligans - the Chapter really appreciates your generosity.

I had an opportunity to review the Dodge Construction Outlook for 2015 and the South Atlantic Commercial/Manufacturing market is expected to grow by 21%, and the Institutional market is expected to grow by 3%. Florida is expected to be 2nd to Texas in multi-family and store construction, 2nd in healthcare, 3rd in hotels, and 6th in office space, so 2015 has the potential to be a good year for the FWC membership barring any unforeseen events. I guess only time will tell, but I hope our members get more than their fair share of the pie, and from the discussions that I've engaged in recently, 2015 seems to have started strong so let's hope the momentum continues to build.

One last thought, if you see me with a club in my hands.... RUN FOR YOUR LIFE! FOORREE.....



Research Promotion currently at 60% of goal...see Page 5

February Event



Annual Golf Tournament
Friday, February 27th, 2015
@ 12:30pm

Sponsorship Levels:

- \$1,000.00 Golf Ball with Logo Sponsor** (Due by Feb. 5th)
 Company name/logo on Tournament Golf Balls given to all Golfers
- \$1,000.00 Awards Dinner Sponsor**
 Company name/logo recognition on signage in Clubhouse during Awards Dinner
- SOLD Lunch Sponsor**
 Company name/logo recognition on signage at Lunch serving station
- \$700.00 Gold Team Sponsor...save \$50**
 Includes: 4-some Golf Team + Tee Box Sign (1) + Hole Pin Flag (1)
- \$560.00 Silver Team Sponsor...save \$40**
 Includes: 4-some Golf Team + Tee Box Sign (1)
- \$520.00 Bronze Team Sponsor save \$30**
 Includes: 4-some Golf Team + Hole Pin Flag (1)
- SOLD Tote Gift Bag Sponsor**
 Company name/logo recognition on Tote Gift Bag given to all Golfers
- SOLD Golf Cart Sponsor**
 Company name/logo recognition on each Golf Cart
- SOLD Golf Towel Sponsor** (Due by Feb. 3rd)
 Company name/logo on Golf Towel given to each golfer
- SOLD Putting Contest Sponsor**
 Company name/logo recognition on signage at Putting Contest
- \$200.00 Tee Box Sponsor**
 Company name/logo featured on a sign prominently displayed at a Tee Box
- SOLD Longest Drive Sponsor**
 Company name/logo recognition on signage at Tee Box for hole
- SOLD Closest to the Pin Sponsor**
 Company name/logo recognition on signage at Tee Box; One-sponsor-Front-Nine/One Sponsor-Back Nine
- \$150.00 Greenside Hole Sponsor**
 Company logo featured at sign prominently displayed at Green
- \$100.00 Individual Golfer**
 Includes: Bag Lunch, Practice @ Range, Gift Bag, Golf & Cart Fee, and Awards Dinner

Donations of your company's logo items are also welcome for inclusion in the participant Gift Bag or as Raffle Prizes

Location: The Eagles Golf Club of Tampa Bay
 Forest Course
 16101 Nine Eagles Dr.
 Odessa, FL 33556
 Ph# 813.920.6681



Special Contests Longest Drive hole, Closest to the Pin hole, and Putting Contest

Schedule: 10:30am Registration Begins, Practice at the Range, Receive bag lunch
 12:30pm Shotgun Start of Golf Tournament (4-person Scramble format)
 5:30pm Reception and Awards Dinner (approximate time)

American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE)

Mission: Founded in 1884, ASHRAE is an international nonprofit technical engineering society. ASHRAE fulfills its mission of advancing heating, ventilation, air conditioning and refrigeration (HVAC&R) to serve humanity and promote a sustainable world through research, standards writing, publishing and continuing education.

Research: ASHRAE's research program, established in 1912, supports 140 research projects with a combined value of more than \$15 million. Research focus includes energy and resource efficiency, indoor environmental quality, design and operation and management tools, alternative technologies and materials and equipment. Through scholarships, grants and awards, the Society supports engineering education for undergraduate students and research projects for graduate engineering students and new post-doctoral scholars.

[Proceeds from the ASHRAE-FWC Golf Tournament benefit ASHRAE RESEARCH and Local Chapter](#)



Annual Golf Tournament
 Friday, February 27th, 2015 @ 12:30pm

Registration Information / online @ www.ASHRAE-FWC.org
 All Payments Required Prior to Day of Event

Corporation / Name: _____

Contact Name: _____

Mailing Address: _____

City/State/Zip: _____

Phone: _____

Email Address: _____

Golfer #1 Name: _____

Golfer #2 Name: _____

Golfer #3 Name: _____

Golfer #4 Name: _____



Sponsorship

Type/Level: _____ Qty: Fee: \$ _____

Type/Level: _____ Qty: Fee: \$ _____

Type/Level: _____ Qty: Fee: \$ _____

Total Sponsorship Fees: \$ _____

Submit JPEG/Vector file LOGO by February 6th, 2015 to: egrabill@commercial-products.net

Payment Information:

Use PayPal online at: <http://www.ashrae-fwc.org/events/fwc-annual-golf-tournament-2/>

OR...make checks payable to ASHRAE-FWC and mail to the following address:

ASHRAE-FWC Golf Tournament C/O Ethan Grabill

7802-A Professional Pl

Tampa, FL 33637

For more information please email questions to: egrabill@commercial-products.net

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 Lopera
 Special Events – Ethan Grabill
 Refrigeration - Chris Pille
 bEQ – Don Herrmann

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USF Bullarney 2015

Submitted by John Wells

University of South Florida
 College of Engineering Alumni Society
 Proudly Presents

Bullarney 2015

Saturday, March 21 • 6:00 - 11:00pm
Traditions Hall, Gibbons Alumni Center @ USF Tampa Campus

Ticket Includes Open Bar, Themed Food Stations, Music, Silent Auction
 and the thrill of Las Vegas Style Casino Games

Reserve by Feb. 1: \$75
After Feb. 1, Individual Tickets: \$100
Sponsorship Opportunities Available

All proceeds from Bullarney 2015 provide support for Engineering Alumni Society events, programs and sponsorships including but not limited to support engineering student scholarships, educational programs, travel grants and the Engineering II building renovation. The amount of your ticket, less the fair market value of goods and services received, may be tax deductible. Please consult your tax advisor.

USF ALUMNI ASSOCIATION ENGINEERING

For more information please visit: eng.usf.edu/bullarney

Research Promotion Submitted by Mike Costello

Many of you might not know, but ASHRAE raises millions of dollars every year that is used for research projects. The result of these projects creates the standards and guidelines that we all use every day. Each and every dollar raised goes 100% toward research. I am tasked this year with raising \$30,000 here locally for research. **I NEED YOUR HELP!**

Over the last few years I have been working closely with the ASHRAE USF Student Branch. We have built a large interest with the students and they are eager to pursue our industry. I have made it my personal mission this year to try and bring ASHRAE research money to USF. Let's give them some experience now that sustains their enthusiasm for HVAC after graduation. These students are our future employees!

Please make your contributions either by check 'Payable to ASHRAE RP' and turn them in to me or if you prefer you can make online donations at:
www.ashrae.org/contribute

If you make a donation online, please forward me a copy of the emailed invoice so I can ensure that proper credit is given. I can be contacted at mcostello@cea-engineers.com.

So far we are at 60% of goal. Deadline is June 30, 2015. I'd like to personally thank each and every investor so far. Below is where we currently stand:

ASHRAE Research Investors 2014-2015				
Individual Investors			Company Investors	
HR = Honor Roll participants \$100 min			HR = Honor Roll participants \$150 min	
Joe Souza	\$333.96	\$30,000	Original Solutions Company	\$250.00
Isaac Crimm	\$113.00	\$29,000	Consulting Engineering Associates	\$250.00
Joe Cox	\$101.00	\$28,000	Smith & Casady	\$250.00
Debie Horsey	\$101.00	\$27,000	Carrier Corporation	\$5,000.00
Malia Powers	\$101.00	\$26,000	LG / VCS	\$5,000.00
Leon Boe	\$101.00	\$25,000	Clay Shoot Fundraiser	\$3,228.27
Jason Proctor	\$101.00	\$24,000	SladeRoss	\$250.00
Mike Costello	\$101.00	\$23,000	Derek Embody & Company	\$500.00
Dan Rogers	\$1,106.86	\$22,000		
Jennifer Isenbeck	\$201.00	\$21,000		
Shawn Jeffrey	\$248.64	\$20,000		
Ross Montgomery	\$100.00	\$19,000		
Ted Hansen	\$475.21	\$18,000		
Gary Stenlund	\$100.00	\$17,000		
		\$16,000		
		\$15,000		
		\$14,000		
		\$13,000		
		\$12,000		
		\$11,000		
		\$10,000		
		\$9,000		
		\$8,000		
		\$7,000		
		\$6,000		
		\$5,000		
		\$4,000		
		\$3,000		
		\$2,000		
		\$1,000		
		\$0		
Updated 2/13/15			Florida West Coast Chapter Donation	
		Current Campaign Total - \$18,012.94	60.0% of Goal	
		Campaign Goal - \$30,000	Money Required for Goal - \$11,987.06	

VOLUNTEERS NEEDED!!

Annual Tampa Bay E-Week STEM Outreach Event at MOSI
“Engineering Everywhere”
February 21st, 11am-2pm in the Idea Zone



Looking for volunteers to host a hands on activity for students and their parents to promote STEM. Both Student and Professional Chapters are welcome to participate. Need help with an activity? We have ideas!

Hits last year: Gum Drop Bridges, Foil Penny Float, The Gummy Aquafer, “Snow”, and More!

Please contact Alexis Jensen Grammes (sixela31@gmail.com) or Rachel Cantor Fogarty (Rachel@rcassociatesllc.net) for more information

SPONSORS!!!

Want your business card here and reach out to over 1000 people monthly? See the next two pages for pricing.



PLOTTER FOR SALE!!!

We would like to offer for sale our Oce plotter. It has a \$3,000.00 trade-in value. We are asking only \$1,200.00 for it. We are the original owners and it is still under service maintenance. It has the following specifications:

Oce TDS 400 Laser Plotter

SPEED:4 D-Size (36" x 24") Per Minute

MAXIMUM SIZE:36" x 500"

PAPER SOURCE: 2 Rolls

PAPER ROLL SIZES:18" to 36" 500 Foot Rolls

RESOLUTION:600 x 600 dpi

TONER YIELD:15,000 Square Feet

DIMENSIONS:(H x W x D) 50 x 53 x 40

If interested, please contact:

Warren G Hahn
wghahn@hahneng.com

Hahn Engineering, Inc.
3060 S. Dale Mabry
Tampa, FL 33629
Phone: 813-831-8599
Fax: 813-835-7046
www.hahneng.com

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
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