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### Upcoming 2018/2019 Events:

- October 16<sup>th</sup>, 2018 – Dinner Meeting
- November 9<sup>th</sup>, 2018 – Sporting Clay Shoot @ Fishhawk
- December 4<sup>th</sup>, 2018 – Holiday Social
- January 23<sup>rd</sup>, 2019 – Dinner Meeting w/ Society President, Sheila Hayter
- February 19<sup>th</sup>, 2019 – Dinner Meeting
- March 19<sup>th</sup>, 2019 – Dinner Meeting
- April 12<sup>th</sup>, 2019 – Shrimp Boil
- May 21<sup>st</sup>, 2019 – Dinner Meeting/Past President’s Night

### For More Information:

Chris Janke  
 cjanke@adehvac.com  
<http://www.ashrae-fwc.org/>

## From the Desk of the President Ethan Grabill



Welcome to the Fall. Even though it doesn't seem like it down here, somewhere the leaves are turning and a frost is on the pumpkin! I hope your favorite football team is enjoying success. At the time of print, we still don't know if Fitzmagic is here to stay or if Famous Jameis will make a triumphant return. Either way, Go Bucs!

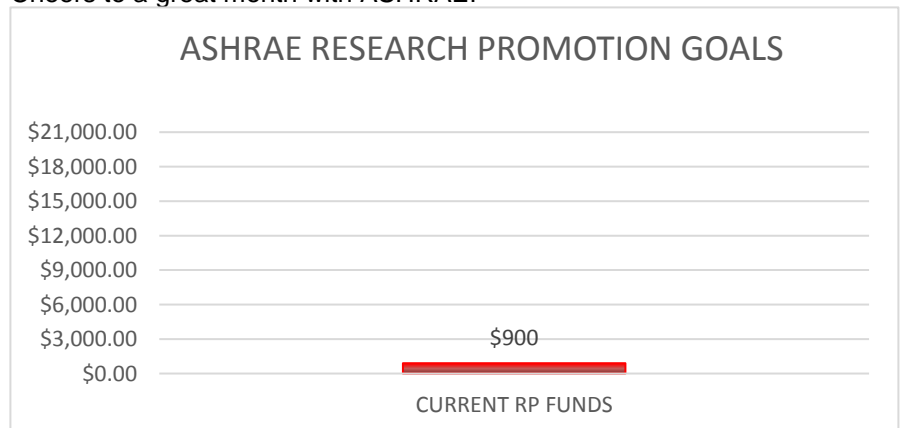
Now that the new ASHRAE season is in full swing, our calendar will feature many exciting events for you to attend. Your board is working hard to insure a good time of fellowship and education is offered. Please stay tuned to the monthly emails and newsletter for information.

Our first dinner meeting was a great success. Pat Graef was an excellent speaker and delivered an engaging topic. Our next dinner meeting is scheduled for Tuesday, October 16<sup>th</sup>, 2018 at Brio - International Mall. More details on our speaker and topic will follow.

November will be full of activity - Women in ASHRAE event, YEA meeting, and our annual clay shoot. Information about these gatherings will be upcoming. We hope you can make plans to attend these events!

Finally, this is YOUR chapter. If you'd like to see improvements, have questions, or would like to get involved (we can always use the help!!), please feel free to reach out to a board member. We are here to serve and happy to help.

Cheers to a great month with ASHRAE!





## October Dinner Meeting Flyer

Calendar Year: 2018 - 2019

### Advanced Review FBC 2017 6th Edition: Mechanical Code Requirements for Intake and Exhaust Louvers

#### Meeting Summary:

We welcome you back for our first Florida West Coast Chapter Dinner Meeting of the 2018-2019 ASHRAE year. This will be a great opportunity to mingle with FWC Chapter friends. We will be at the Brio Tuscan Grille at International Plaza Mall again this year in the Yandolino Carrara room. We look forward to the great food offerings from Brio. Our presenter for the second meeting of the year will be a local ASHRAE FWC member, David John, P.E. His presentation will be an advanced review of the FBC 2017 6th edition. Please join us for an engaging and informative presentation. We look forward to seeing everyone next Tuesday at the Brio Tuscan Grille.

#### When?

**Tuesday, October 16th, 2018**  
5-6 PM Cocktail Hour  
6-8 PM Dinner Meeting

#### Cost?

\$35 for FWC Chapter members  
\$40 for Non-FWC Chapter members  
\$45 day of event for all

#### RSVP

at

[www.ashrae-fwc.org/ashrae-events/](http://www.ashrae-fwc.org/ashrae-events/)

For questions, contact:

Scott Manfre

[scott.manfre@tlc-eng.com](mailto:scott.manfre@tlc-eng.com)

(813) 786-6218

#### Where?

**Brio Tuscan Grille**  
2223 North Westshore Blvd.  
Tampa, FL 33607





THE 9th ANNUAL FLORIDA WEST COAST

# Sporting Clay Shoot

**Date: November 9, 2018**

**Time: 12:30 pm**

**Register by: November 2, 2018**

This will be a 100 bird shoot. Included in the price is a catered BBQ pork lunch served at 12:00 prior to the shoot.

**Sponsorship Levels:**

- **Presenting Sponsor \$2500**  
Includes: Event Banner, Stand Sponsor, Foursome, Golf Cart for four, and endowment to ASHRAE RP
- **Ammunition Sponsor \$1800**  
Includes: Event Banner, Stand Sponsor, Foursome and Golf Cart for four
- **Golf Cart Sponsor \$1300**  
Includes: Advertising on Golf Carts, Foursome and Golf Cart for four
- **Score Card Sponsor \$1000**  
Includes: Advertising on Score Cards, Foursome and Golf Cart for four
- **Corporate Sponsor \$650**  
Includes: Stand Sponsorship, Foursome and Golf Cart for four

**Contact Tom Morgenthau for details!**

- Single Shooter (FWC Chapter Member) \$120
- Single Shooter (Non-FWC Chapter Member) \$130
- Shotguns are available for rent for \$30
- Golf Cart Rental \$25 for a team of 4
- Stand Sponsorship with Company Logo \$ 150.00

100 Rounds to be provided for each shooter.  
A limited number of carts and shotguns are available for rent, so get your registration in early to guarantee one!



**Location:**

Fishhawk Sporting Clays  
13505 Hobson Simmons Rd  
Lithia, FL 33547  
813.689.0490  
[www.fishhawkssportingclays.com](http://www.fishhawkssportingclays.com)

**Additional Information:**

Each attendee must be at least 18 years old, and must provide their own eye and ear protection.

Contact Tom Morgenthau at 603-852-2252 or [t.morgenthau@emeraldmp.com](mailto:t.morgenthau@emeraldmp.com)

To submit completed registration form, mail it along with payment to (PayPal invoices upon request):

ASHRAE Clay Shoot  
c/o Tom Morgenthau  
9942 Currie Davis Dr, Suite H  
Tampa FL 33619



Team Captain Name:  
1.) \_\_\_\_\_  
Phone Number : \_\_\_\_\_  
Email: \_\_\_\_\_  
ASHRAE Number : \_\_\_\_\_  
Shotgun Rental: Yes / No  
Gauge: 12 / 20  
Stand Sponsor: Yes / No

Team Member Names:  
2.) \_\_\_\_\_  
Shotgun Rental: Yes / No  
Gauge: 12 / 20  
3.) \_\_\_\_\_  
Shotgun Rental: Yes / No  
Gauge: 12 / 20  
4.) \_\_\_\_\_  
Shotgun Rental: Yes / No  
Gauge: 12 / 20

Total:  
\$ \_\_\_\_\_

# FWC ASHRAE Presents:

## WIA Meet and Greet Mixer

What is WIA? Women in ASHRAE. This group is open to all and is to facilitate the retention and opportunities for women members in ASHRAE by improving volunteer experience and creating a network of professional growth. Visit on Facebook, search for Women in ASHRAE

- WHEN:** Tuesday, November 6th 2018
- WHERE:** Zudar's South Tampa, located at 201 West Platt St., Tampa, FL 33606
- TIME:** 5:30 PM—7:30 PM
- WHAT:** Social and Networking opportunities open to everyone! **FOOD, HAPPY HOUR SPECIALS, AND PRIZES!**
- COST:** **FREE** for food, beer, wine, but looking for **SPONSORS!**



**Sponsors Needed!** To **RSVP** or for more information, please contact: Courtney Araiza, [courtney.araiza@accurex.com](mailto:courtney.araiza@accurex.com) or 512-673-3386



**ASHRAE FWC – 2018/19 Committee Chairs**

President – Ethan Grabill	<a href="mailto:egrabill@commercial-products.net">egrabill@commercial-products.net</a>
President-Elect/Vice-President/CTT Chair – Scott Manfre	<a href="mailto:scott.manfre@tlc-eng.com">scott.manfre@tlc-eng.com</a>
Vice-President/Research Promotion – Tom Morgenthau, PE	<a href="mailto:t.morgenthau@emeraldmep.com">t.morgenthau@emeraldmep.com</a>
Vice-President/Membership Promo – Tim Theriault	<a href="mailto:timothy.theriault@tlc-eng.com">timothy.theriault@tlc-eng.com</a>
Student Activities – Sarah Studt	<a href="mailto:sarah.studt@tlc-eng.com">sarah.studt@tlc-eng.com</a>
Treasurer – Benjamin Hair	<a href="mailto:bhair@aeieng.com">bhair@aeieng.com</a>
GGAC/Special Events (Shrimp Boil) Committee – Tyler Owens	<a href="mailto:towens@carrollair.com">towens@carrollair.com</a>
ECC/ Webmaster/Homepage/Secretary – Tom Bernard, PE	<a href="mailto:tbernard@flhydronics.com">tbernard@flhydronics.com</a>
Honors and Awards/Historian – Isaac Crimm, PE	<a href="mailto:icrimm@stanweaver.com">icrimm@stanweaver.com</a>
Special Events (Golf Tournament) Committee – Scott Allred	<a href="mailto:scott.allred@vitaulic.com">scott.allred@vitaulic.com</a>
Newsletter Editor – Christopher Janke	<a href="mailto:cjanke@adehvac.com">cjanke@adehvac.com</a>
Young Engineers in ASHRAE (YEA) – Jacob Courchaine	<a href="mailto:jcourchaine@onicon.com">jcourchaine@onicon.com</a>
Co-Young Engineers in ASHRAE (YEA) – Ashley Bence	<a href="mailto:asaint@onicon.com">asaint@onicon.com</a>
Student Activities/Reception/Refrigeration – Daniel Vaughn	<a href="mailto:daniel.vaughn@tlc-eng.com">daniel.vaughn@tlc-eng.com</a>
Student Activities/Reception/Sustainability – Robert Tirado	<a href="mailto:robert.tirado@tlc-eng.com">robert.tirado@tlc-eng.com</a>
Publicity – Peter Montana	<a href="mailto:pmontana@hvacinsider.com">pmontana@hvacinsider.com</a>
Reception/Attendance/Women in ASHRAE – Courtney Araiza	<a href="mailto:courtney.araiza@accurex.com">courtney.araiza@accurex.com</a>
Sarasota-Bradenton Section President – Tony Moreland	<a href="mailto:tmoreland@trane.com">tmoreland@trane.com</a>

## Greetings from the Sarasota Section

Submitted by Tony Moreland, Sarasota-Bradenton Section President  
Sarasota/Bradenton Section President

Good Day ASHRAE Members,

The 4<sup>th</sup> Annual ASHRAE ON THE BAY Fishing Tournament was a great success! No Red Tide in site and a great time was had by all! Thank you to all that participated. We look forward to seeing everyone for our November Meeting. Details on the meeting will be coming out shortly.

Check out some of the photos from the Fishing Tournament! Photos courtesy of Alex Gicales





## Membership Promotion

Submitted by Timothy Theriault, FWC MP Chair 2018-2019

ASHRAE, Florida West Coast Chapter, welcomes its new members to our community. If you know someone who is interested in learning more about how ASHRAE helps support our industry, please instruct them to contact our Membership Promotion Chair, Timothy Theriault. He can be reached at [timothy.theriault@tlc-eng.com](mailto:timothy.theriault@tlc-eng.com). Welcome, again, our new members. See the following to send automated invites to your colleagues.



We are thankful for your membership and your referrals continue to be the top reason new members join! In an effort to keep the momentum going, we invite you to Connect-a-Colleague with ASHRAE today.

[Connect-a-Colleague Now](#)

It takes less than one minute, and there is no need to login. Just enter your name & email address, and your colleague's name & email address, and press send. That's it!

As an ASHRAE member, your referral is a very powerful tool that can benefit your colleagues, your Society, and the HVAC&R industry. **THANK YOU** again for doing your part to help the Society grow.

If your ASHRAE Membership expires:  
[Renew Online](#)

— [Get To Know ASHRAE](#) —



For questions about FWC Membership contact **Timothy Theriault** at [timothy.theriault@tlc-eng.com](mailto:timothy.theriault@tlc-eng.com)

## Government Advocacy Committee

Submitted by Timothy Theriault, FWC GAC Co-Chair 2018-2019

As we advance the awareness of ASHRAE to all, we urge everyone to take advantage of the benefits that the ASHRAE society has to offer. There are Certifications available to benefit your credentials. Highlighted in this issue is the ASHRAE OPMP. From ASHRAE.org:

### OPMP - Operations & Performance Management Professional Certification



ASHRAE has certified more than 2,500 professionals who have demonstrated their knowledge and expertise in the HVAC&R industry. Gain a competitive edge by earning an ASHRAE certification in operations and performance management. Developed with the participation of APPA and the General Services Administration (GSA), the OPMP certification validates competency to do the following:

- Manage facility operations and maintenance to achieve building performance goals, including those related to indoor environmental quality, health and safety
- Meet Federal Buildings Personnel Training Act (FBPTA) requirements in up to 98 competency area performances, as identified by the General Services Administration (GSA),
- Demonstrate competency in critical building operations and performance management knowledge, skills and abilities,
- Elevate your reputation among peers, in the workplace and among clients

Visit ASHRAE's Society page for additional information and to apply for your OPMP:

<https://www.ashrae.org/education-certification/certification/opmp-operations-and-performance-management-professional-certification>

## Government Advocacy Committee (cont'd)

Submitted by Tyler Owens, FWC GGAC Co-Chair & Special Events 2018-2019

### **Funding Package for DOE, VA, and Legislative Branch Signed into Law**

On Friday, September 21, President Trump signed a \$147 billion spending bill that contains the Energy-Water, Military Construction-VA and Legislative Branch titles. The House and Senate passed the bill ([H.R.5895](#)) earlier this month. The Energy-Water portion of the bill, which funds the Department of Energy (DOE), contains \$44.6 billion of funding. This amount of funding is \$1.4 billion above current levels and \$8.1 billion above the President's budget request. Some DOE funding highlights from the [explanatory statement](#) that accompanies the bill are provided below:

- The agreement provides \$28 million for Residential Buildings Integration, \$39 million for Commercial Buildings Integration, \$95 million for Emerging Technologies, and \$50 million for Equipment and Buildings Standards. Within available funds, \$7 million is for the Building Energy Codes program to provide assistance to States and to organizations that develop model codes and standards to improve building resilience as well as efficiency.
- "[W]ithin funds for Emerging Technologies, not less than \$18 million is for HVAC & Refrigeration R&D; \$14 million is for Building Envelope; and \$30 million is for building-grid integration R&D consistent with a transactive energy system, including development of advanced transactive control methodologies, field validation and testing in existing buildings, continuation of the Building-to-Grid Integration Demonstration, and coordination with Electricity Delivery transactive energy system activities."

[Congress is still negotiating on other spending bills, which need to be completed before the September 30 deadline.](#)

If you have any projects that have obtained bEQ certifications in this chapter's area, please let FWC know for tracking purposes. Please email info to: [towens@carrollair.com](mailto:towens@carrollair.com)



ASHRAE's Building EQ Portal provides a quick energy analysis that benchmarks a building's energy performance. Building EQ assists in the preparation of an ASHRAE Level 1 Energy Audit to identify means to improve a building's energy performance including low-cost, no-cost energy efficiency measures and an Indoor Environmental Quality survey with recorded measurements to provide additional information to assess a building's performance.

Two different evaluations can be used independently to compare a candidate building to other similar buildings in the same climate zone or together for an assessment of a building's design potential compared to actual operation:

**In Operation** compares actual building energy use with metered energy information.

**As Designed** compares energy use based on the building's physical characteristics and systems with standardized energy use simulation.

### Building EQ Portal

The new Building EQ Portal is now available for the In Operation evaluation. The As Designed evaluation will be available soon.

- Online data entry and submission process
- Metered energy data exchange from ENERGY STAR™ Portfolio Manager
- Median EUI calculation aligned with ENERGY STAR™
- Building EQ Performance Score visible to all users on the main input screen at all times
- Redesigned label shows Building EQ Performance Score on a barometer/scale. No more letter grades!
- Standard reports can be automatically generated by credentialed users
- Improved submission approval process
- Help and validation information is built into the system

**Learn more on how to access the portal, initiate a project, and begin a submission:**

<https://www.ashrae.org/technical-resources/building-eq/building-eq-portal>

## In Case You Missed It

Submitted by Chris Janke, FWC Chapter Newsletter Editor

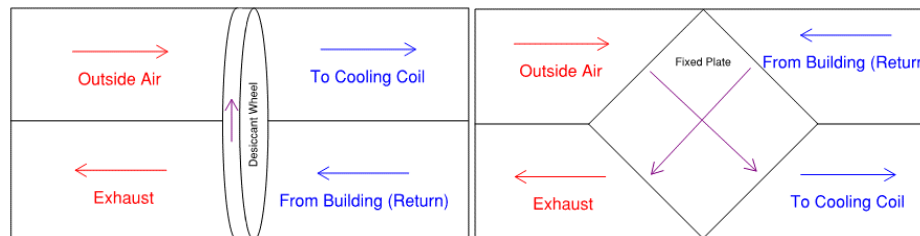
The Florida West Coast chapter of ASHRAE kicked off its new year with distinguished lecturer Patricia Graef, PE, Fellow ASHRAE coming in to discuss the logic of dedicated outside air systems (DOAS) and the core technologies that make them effective.

For those who don't know, Graef brings quite a bit of knowledge to the table. Among many other career accomplishments, she brings a very well-rounded design and operational portfolio covering manufacturing, testing and applications of humidity control in commercial spaces, heat and mass transfer media, and adiabatic cooling for commercial spaces. Graef has also made contributions to ASHRAE handbooks, and has received a distinguished service award.



Pictured: Chapter president Ethan Grabill (left) with Patricia Graef (right). Photo Courtesy of Chris Janke

Graef opened up with providing a brief rundown of the psychrometric chart, and how your typical DOAS unit works to get the indoor air conditions within ASHRAE's comfort standards. One major process that DOAS units tend to have difficulty doing is dehumidification, which is an absolute necessity in the Tampa region, as well as across most of the state of Florida, where latent loads are much more essential to the efficient operation of any HVAC system.



One extremely effective way of accomplishing large amounts of dehumidification is through the use of a desiccant wheel. With regards to how it works, the name essentially speaks for itself. A wheel is introduced into the return and outside air streams prior to entering the cooling coil. This wheel utilizes a desiccant imbedded into the material, which allows for the transfer of humidity between air streams with minimal cross contamination between air streams. Further reduction of cross contamination can be accomplished through the use of a fixed plate system in which the airstreams never come into direct physical contact with each other, but heat and humidity can still be transferred.

Stop by next week for a rundown on code requirements for intake and exhaust louvers!

## Electronic Communications

Submitted by Tom Bernard, FWC EC Chair



We NEED you to “like” our Facebook page

Go Here:

<https://www.facebook.com/ashraefloridawestcoast>

Tag yourself in the pictures.

Also, visit our chapter website here:

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

## This Newsletter is sponsored by the following:



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## 2018-2019 NEWSLETTER AND WEBSITE SPONSORSHIP 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 valuable resource for generating operating capital remains sponsorships. 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 multiple 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 40,000 individual IP computer hits since its launch in September 2013.

## 2018-2019 NEWSLETTER AND WEBSITE SPONSORSHIP PRICING PACKAGES

Please consider sponsoring the Florida West Coast Chapter of ASHRAE's newsletter and/or website. Your business card will be published multiple times per ASHRAE year in the emailed newsletters, and can be updated at any time with a new copy if desired. Sponsorship on the website includes a business card on the sponsorship page and a link to your company website.

For the 2017-2018 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.

<b>2017-2018 ASHRAE FWC Advertising Rates</b> (All Rates are for the ASHRAE Year - September 2017 through June 2018)		
Ad Type and Size:	ASHRAE FWC Members Fee:	Non-Members Fee:
<b>10 Monthly Newsletter Spots (Business Card Size)</b> <i>Reaches over 1,000 people per month!</i>	<b>\$100.00</b>	<b>\$150.00</b>
<b>10 Month Website Spots (Business Card and Link Included)</b> <i>Website has over 20,000 hits!</i>	<b>\$250.00</b>	<b>\$300.00</b>
<b>10 Monthly Newsletter and 10 Month Website Spots</b>	<b>\$300.00</b> <i>A savings of \$50.00!</i>	<b>\$400.00</b> <i>A savings of \$50.00!</i>

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

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

[t.morgenthau@emeraldmep.com](mailto:t.morgenthau@emeraldmep.com)

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