



November 21

Upcoming Events!

Monthly Meeting  
11/10/21

Refrigeration Tour Hertz  
Arena  
12/17/21

## SWFL ASHRAE Chapter Meeting Announcement

### \*\*\*Research Promotion Night\*\*\*

**Date:** Wednesday, November 10, 2021  
**Location:** Crown Plaza at Bell Tower Shops (13051 Bell Tower Road, Ft. Myers)  
**Start Time:** 12:30pm - 2:30pm

**Cost:** COST: \$35.00 PER ATTENDEE – RESERVATIONS ARE A MUST  
NO COST FOR COLLEGE STUDENTS WITH A VALID STUDENT I.D.  
Pre-Pay via [www.paypal.com](https://www.paypal.com) to [swfl.ashrae@gmail.com](mailto:swfl.ashrae@gmail.com)  
[Please click here to RSVP!](#)

### Pandemic Precautions

We ask if you are feeling under the weather or have recently traveled out of state or out of the country that you please participate remotely

### Presenter: Mick Schwedler, PE, FASHRAE, LEED, APBD+C

Mick has been active in the development and support of HVAC systems for Trane since 1982. As an applications engineer his areas of expertise include system optimization (in which he holds patents) as well as chilled water and water source heat pump system design. His primary activities include assisting designers in proper application of products and systems in buildings and writing system application manuals and newsletters. In addition, he has presented technical information to tens of thousands of engineers through Trane's Engineers Newsletter Live series, and ASHRAE webcasts. Mick has given technical seminars throughout North America, as well as in the Far East and South America, and published articles within the industry. Prior to his work with Trane, Mick received his MSME from the University of Wisconsin Solar Energy Laboratory and BSME from Northwestern University.

## Main Program: High Performance Chilled Water Systems

Chilled water systems have been used for more than 80 years. During that time, there has been a consistent effort by manufacturers and system designers to develop equipment, design strategies and control methods that result in the highest performing chilled water systems possible.

This presentation discusses system configurations, design parameters and system control techniques that can help owners and design teams reduce chilled water first costs, system operating costs and environmental impact.

## 2021-2022 SWFL ASHRAE Team

**President - James Martin**

**Vice President/Secretary/Refrigeration - David Moorhead**

**Treasurer - Woody Wilson**

**Research Promotion - Gena Knight**

**Membership Promotion - Trey Dougherty**

**Sustainability - Justin Holland**

**C.T.T.C. - John Stischok**

**Y.E.A. - Dave Jaworski**

**Student Activities - Bill Boga**

**Historian / Reception - Sidney Feldman**

**Honors and Awards - Kathy Schmitt**

**G.A.C. / B.O.G. - Kathleen Simpson**

**B.O.G. - Pat Graef**

**B.O.G. - Bill Malphus**

**B.O.G. - Jason Hardman**

**Newsletter/ E.C. - Tony Amitia**



A message from Mr. James Martin P.E.

SWFL ASHRAE President

Greetings SWFL Chapter,

This year has been flying by so far and I am happy to report that Golftoberfest was a huge success. We had great weather for our day on the links at the beautiful Spanish Wells this year. I would like to thank all of our SWFL ASHRAE volunteers, our sponsors and all of you who participated. For those of you who missed the fun, we even had a mini split up for grabs in our raffle.

We are also continuing on our collaboration with The Foundation for Lee County Schools to help plan this year's STEM@Work activities. We will be notifying everyone of the event dates and times for volunteer opportunities. I feel that right now it will be especially important to help promote Science, Technology, Engineering and Mathematics to the current students of SWFL so this is a great cause to get involved in. It is exciting that this year's activities are going back to an in person visit to the local area businesses in lieu of the virtual programs that were held last year.

Finally, I would like to invite all of you to attend our lunch meeting for this month with the ASHRAE society president, Mick Schwedler. He is making his way around Florida and we are very lucky to have him here with us to present on high performance chilled water systems. Also, November is research promotion night. As many of you know, a portion of the proceeds from our fund raising events go to funding research through ASHRAE society. This is our opportunity to formally recognize the support of our sponsors and how their contributions help with research promotion.

Thanks,  
James Martin  
SWFL Chapter President 2021-2022



## **David Moorhead - Vice President / Secretary / Refrigeration**

### **New beer bottling line with high capacity process cooling**

ICS Cool Energy has installed a new process cooling system at one of UK's leading multinational breweries. The system will deliver 1.2MW of process cooling to the new beer bottling plant line and features ICS Cool Energy Imperium chiller with a near-zero global warming potential (GWP) R-1234ze refrigerant.

[Full Article](#)

## **Gena Knight - Research Promotion**

I would like to let the chapter now that ASHRAE has a podcast!

### **Episode 4: 'There's No Such Thing as a Free Thermodynamic Lunch.'**

"We need to be able to be more honest about what doesn't work and share those failures so that our next projects can be better," says John Straube, Ph.D., P.Eng., Associate Member ASHRAE. On this episode, Straube and Joseph Lstiburek, Ph.D., P.Eng., Fellow ASHRAE, discuss why human judgment is critical to a better built environment.

Guests John Straube, and Joseph Lstiburek. - [Listen here!](#)

### **Episode 3: Exploring HVAC&R's New Connected Data Frontier**

The HVAC&R industry's new frontier centers on designers and engineers understanding how to collect, analyze and use data to design and operate adaptive buildings. In this episode of ASHRAE Journal Podcast, Sheila Hayter, P.E., Presidential Member/Fellow ASHRAE, and Chuck Gulledge, P.E., HBDP, Presidential Member/Fellow ASHRAE, discuss how the HVAC&R industry is evolving with digital-driven technologies and knowledge. Listen

Guests Sheila Hayter, and Chuck Gulledge - [Listen here!](#)

## **Membership Promotion - Trey Dougherty**

Please help me in welcoming our new members that have joined this year. We look forward to seeing you all at meetings and events throughout this ASHRAE year.

Domaris Mitchell, Alexander Nicol, Justin Holland, Chris O'Reilly Gronke.  
Sidney Feldman

## **ASHRAE Members' Insurance Program**

As an ASHRAE member, you can choose from several high quality, competitively priced insurance plans to help protect you and your family. Each of these exclusive plans has been specifically designed for ASHRAE members like you. Plus, you can customize your insurance protection to best meet your family's insurance needs at the budget-conscious group rates.

[More information about available insurance products.](#)

## **Justin Holland - Sustainability**

### **Boston requiring zero emissions for large buildings by 2050**

The Boston City Council has unanimously approved an ordinance that addresses climate change by requiring all buildings larger than 20,000 square feet to eliminate carbon emissions by 2050. Acting Mayor Kim Janey intends to sign the ordinance approved Wednesday, according to a spokesperson.

"This is the most transformative thing we have done for climate in Boston's 400-year history," said City Councilor Matt O'Malley, the driving force behind the rule. "It's aggressive, but achievable, and it allows for five-year increments to check on our progress. This is a big win for the city."

It applies to about 3,500 commercial and residential buildings, or about 4% of structures in the city, according to city officials. They account for 60% of Boston's building emissions.

[Full Article](#)

## **Government Activities - Kathleen Simpson**

### **Federal Government Affairs**

#### **EPA Issues Final Rule for the Phasedown of HFCs**

On September 23, 2021, the U.S. EPA issued its final rule for the phasedown of HFCs, which is titled, "Phasedown of Hydrofluorocarbons: Establishing the Allowance Allocation and Trading Program under the American Innovation and Manufacturing Act." This final rule was issued under the authority of the American Innovation and Manufacturing (AIM) Act of 2020 to address the production and consumption of hydrofluorocarbons (HFCs), which are potent greenhouse gases commonly used in refrigerators, air conditioners, and many other applications. The rule codifies the phasedown schedule, establishes a method for issuing and trading allowances, and forms a compliance and enforcement system. ASHRAE supported the legislation that authorized the regulations, which are expected to prevent emissions of 4.6 billion metric tons of CO<sub>2</sub>-Eq. over 2022 through 2050, which is equivalent to about 3 years of U.S. power sector emissions at 2019 levels. More information about the rule can be found [here](#).

### **State and Local Government Affairs**

#### **Illinois Passes Major "Climate and Equitable Jobs Act" Legislation**

On September 13, the Illinois legislature voted to approve SB 2408, the "Climate and Equitable Jobs Act," which was signed into law by Governor Pritzker on September 15. This statute makes Illinois the first Midwestern state to commit to a 100% carbon-free electric grid by 2045. The bill includes provisions to increase the state's renewable standard to 40% by 2030 and 50% by 2040. The current renewable requirement of 25% of electricity by 2025 was established over 10 years ago, and the state has struggled to keep up with this goal. The new law will also provide \$580 million per year on renewable energy credits for new solar and wind projects, which is more than double the current \$230 million a year for renewable incentives.





## **YETI RAFFLE**

**Enter for a chance to win this YETI Cooler!**



### **BUY YOUR TICKET TODAY:**

**1 ticket for \$10.00 / 3 tickets for \$25.00**

**ONLY 150 TICKETS WILL BE SOLD!**

**Tickets will be available for purchase at all ASHRAE events.**

### **Make Checks payable as follow below:**

Southwest Florida ASHRAE  
2701 Prince Street  
Fort Myers, Florida 33916  
Attn: Gena Knight

**Or contact Gena for alternate methods of payment**

**[Gknight@bandiflorida.com](mailto:Gknight@bandiflorida.com)**

**YETI will be raffled off @ ASHRAE Fishing Tournament**

**You do not have to be present to win!**

Portion of the proceeds to Benefit ASHRAE Research and the SWFL ASHRAE Chapter Endowment Fund  
SWFL ASHRAE is a 501©(3) not for profit organization



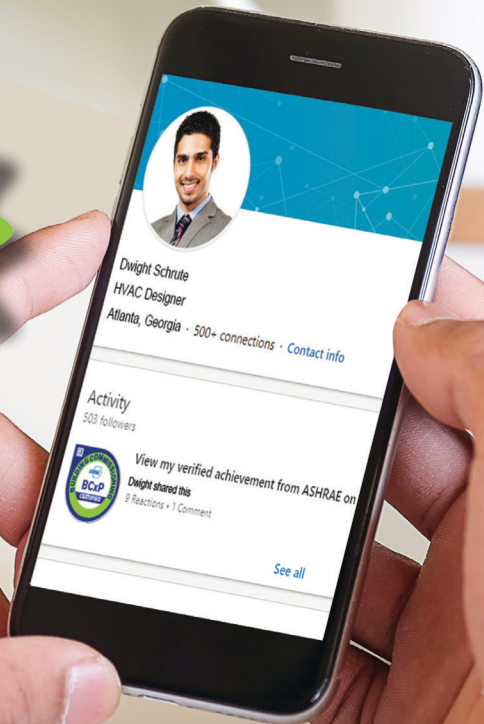
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