



November 2020

Upcoming Events!

Thanksgiving Outing!
Saturday, November 7th, 2020
Please see the end of the newsletter
for more information!

SWFL ASHRAE Chapter Meeting Announcement **Research Promotion Night******

Date: WEDNESDAY, NOVEMBER 11th, 2020
Location: CROWNE PLAZA AT BELL TOWER SHOPS
Start Time: 5:30 – 6:45 NETWORKING
6:45 – 8:00 DINNER MEETING AND MAIN PROGRAM

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 to swfl.ashrae@gmail.com
[Please click here to RSVP!](#)

Pandemic Precautions

SWFL ASHRAE is committed to the health and safety of its members and their families.

For the foreseeable future masks will be a requirement for all meetings in accordance with CDC recommendations.

SWFL ASHRAE will be adhering to social distancing guidelines by increasing table spacing, serving individual meals, and having hand sanitizer available.

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.

Online Instructions

If viewing online, you must RSVP using the link above, and indicate you will be attending online.

A viewing link will be provided by 3PM on November 11th, 2020

Main Program: Understanding ANSI/ASHRAE 188-2018 'Legionellosis: Risk Management for Building Water Systems'

ASHRAE has been actively involved in providing information on Legionella since 1979 in response to the first Legionnaire's disease outbreak in 1976 and the subsequent discovery by the CDC of the causative bacteria – Legionella. While Legionnaire's disease has been known for many years, recent outbreaks have increased awareness of the disease, its causes and prevention strategies. The CDC estimates 8-18 thousand cases per year, of which more than 10% are fatal.

ANSI/ASHRAE 188 first published in June 2015 establishes minimum Legionellosis risk management requirements for building water systems. It applies to human-occupied commercial, institutional, multi-unit residential, and industrial building, excluding single-family residential building. It is intended for use by owners & managers of human-occupied building, excluding single-family residential buildings and also for those involved in design, construction, installation, commissioning, operation, maintenance & service of centralized building water systems and components.

This session provides an overview of Legionella bacteria, its source, how it is amplified, how it is transmitted and who is susceptible. There will be a detailed look at the standard, the background on its development and what is required for its application and adoption. Specific topics include the framework for legionella bacteria control measures, health care facility requirements, requirements for adopting a Water Management Program for specific devices such as cooling towers, ornamental fountains, spas, etc., elements of a Water Management Program, and designer requirements.

This presentation also include a discussion of how COVID 19 precautionary measures can increase the risk of Legionnaire's disease transmission.

Guest Speaker: Patricia T. Graef, P.E., LEED GA, ASHRAE Fellow

Patricia Graef, P.E., Fellow ASHRAE, LEED GA, retired from Munters Corp., Fort Myers, Fla. Patricia Graef has spent the more than 40 years focusing on engineering and developing products that control temperature and moisture in building air as well as the water associated with the processes. Graef received her bachelor of science in mechanical engineering from the University of Florida. IN the time Graef has worked for Munters, she has served as a Scientist in the cooling tower division, was the Director of Core Technology for the Air Treatment division and has more than a dozen international patents in her name.

Graef is a 45-year member of ASHRAE. In ASHRAE she is chair of the Residential Building Committee, has been a voting member of Guidelin 12 Managing the Risk of Legionellosis Associated with Building Water Systems since 1995 and Standard 188 Legionellosis: Risk Management for Building Water Systems since 2004. She has contributed to four ASHRAE handbook chapters including Water Treatment, Humidification, Evaporative Cooling, and Gas Turbine Inlet Cooling. Graef has shared with the HVAC industry her knowledge by contributing to ASHRAE Handbooks, standards writing, monitoring research projects, and program presentations. Graef is a recipient of ASHRAE's Distinguished Service Award, Exceptional Service Award and the Award for Distinguished Public Service.



A message from Mr. James Martin

SWFL ASHRAE President

Greetings SWFL Chapter,

We are excited that Golfgiving is almost upon us!!! Hope to see you all there. The flyer is included in the newsletter with all the details. I think we could all use some fresh air and sunshine in our lives.

We are also excited to have our very own Pat Graef gracing our chapter this month with a fresh spin on her work with Legionnaires disease and how it may interact with COVID. This is a very pertinent topic for engineers, contractors, vendors and building owners so you do not want to miss this opportunity.

November is also research promotion (RP) month so I want to take this chance to thank all of our annual sponsors and golf tournament sponsors. We are on track to hit our goals for the year thanks to your continued support of our chapter and ASHRAE as a whole.

Finally, make sure you are on the lookout for our monthly update / meeting invite for next month. December is our refrigeration month which means it is time for us to mix things up with our annual refrigeration tour. These are always interesting, and they are a good time so mark your calendars.

Thanks,
James Martin
SWFL Chapter President 2020-2021



Government Activities - Gena Knight

ASHRAE Members Appointed to Brevard County, Florida Workgroup on Solar Energy

ASHRAE Members Bruce Lindsay, PE, Section President and John Constantinide, PE, Section President-Elect, have been appointed to the Brevard County Workgroup on Innovative Solar Energy Resources (WISER). The workgroup was formed to identify cost and benefits of, address public access to, and recommend policy revisions on the utilization of solar and advanced energy technologies. Thus far, ASHRAE members have identified the need to utilize ASHRAE Standard 211 to establish consistent requirements for energy audits and identify the ASHRAE Building EQ Platform as a compliance pathway for completing Level 1 Energy Audits.

[Full Article](#)

IEA Releases "World Energy Outlook 2020"

On October 14th, 2020, the International Energy Agency released its flagship publication, "The World Energy Outlook 2020." The report focuses on forecasts over the next decade: strong growth in renewables are expected, but these investments need to be paired with investment in electricity grids to ensure reliability and security of the electricity supply. The COVID-19 pandemic has triggered deep cuts in energy demand, with an expected global drop of 5 percent this year.

[Full Article](#)

Sustainability - David Jaworski

Why plastic waste is an ideal building material

What if we turned the world's growing wastelands of disused plastics into a new kind of sustainable building?

The disposal of plastics is a highly visible global problem – from the highest mountains to the deepest ocean trenches, waste plastic seems inescapable. In natural conditions, plastics are nearly indestructible, and yet they are discarded worldwide on a large scale: the world produces around 359 million tonnes of plastics each year. The environment cannot address their disposal at a speed fast enough to prevent harm to living beings.

This has led to a consensus that plastics are an unsustainable material. And yes, plastics are certainly an enormous problem, but they don't necessarily have to be.

The main issue is not with plastic as a material, but with our linear economic model: goods are produced, consumed, then disposed of. This model assumes endless economic growth and doesn't consider the planet's exhaustible resources.

But there are many ways we could set plastics on a different lifecycle – and one that I have been working on is turning disused plastics into a hardy, reliable and sustainable building material.

[Full Article](#)

ASHRAE Announces 2020-21 Society Scholarship Recipients

Over the course of 31 years ASHRAE has awarded over \$2.25 million to nearly 500 students

ATLANTA (October 5, 2020) – ASHRAE has announced the recipients of 30 Society scholarships, totaling \$167,000, for the 2020-21 academic year.

"We are extremely proud of the 2020-21 ASHRAE Scholarship recipients," said Michel Hayek chair of the ASHRAE scholarship trustees. "These individuals represent the future of the HVAC&R industry and ASHRAE is pleased to support this bright future by providing scholarship opportunities to students each year."

[Full Article](#)

SWFL ASHRAE Chapter			
President:	James Martin	Newsletter:	Tony Amitia
President Elect:	James Martin	Webmaster:	TBD
Vice President:	David Moorhead	Sustainability:	David Jaworski
Secretary:	David Moorhead	Golf Chair:	TBD
Treasurer:	Woody Wilson	Fishing Chair:	TBD
Research Promotion:	David Moorhead	Reception:	Tony Amitia
Historian:	John Stischok	BOG 1:	Kathleen Simpson
Membership:	Bill Boga	BOG 2:	Pat Graef
CTTC:	Trey Dougherty	BOG 3:	Bill Malphus
YEA:	Gates Ivy	BOG 4:	Jason Hardman
Electronic Comm.	William Mejia	BOG 5:	Ashley Fernandez
Programs:	Trey Dougherty		
Refrigeration:	William Mejia		
Honors and Awards:	Kathy Schmidt		
GAC Chair:	Gena Knight		

For Chair and Officer contact information, please visit www.SWFLASHRAE.org



Refrigeration - William Mejia

May 29, 2020

www.epa.gov/ozone/snap

FACT SHEET

Proposed Rule 23 - Protection of Stratospheric Ozone: New and Revised Listings for the Significant New Alternatives Policy Program

Significant New Alternatives Policy Program

Under section 612 of the Clean Air Act (CAA), EPA reviews substitutes in a comparative risk framework. EPA lists these substitutes as acceptable, acceptable subject to use conditions, acceptable subject to narrowed use limits, or unacceptable (prohibited) for specific uses. Section 612 requires EPA to list as acceptable those substitutes that do not present a significantly greater risk to human health and the environment as compared with other substitutes that are currently or potentially available.

As part of the evaluation of overall risk to human health and the environment, EPA considers many criteria, including the flammability or toxicity of a substitute, as well as environmental risks such as ecosystem impacts, local air quality, or impacts on the global atmosphere.

Today's Action

Under this proposed rule, a number of substances would be listed as acceptable; acceptable, subject to use conditions; or acceptable, with narrowed use conditions, in the refrigeration and air conditioning sector and the foam blowing sector. This action also proposes to remove an acceptable subject to use conditions listing for the fire suppression sector where EPA has more recently listed the substitute as acceptable with no use restrictions. Consistent with CAA section 612 as it has historically been interpreted under the SNAP program, EPA is proposing to issue these listings and modifications based on evaluation of the substitutes addressed in this action using the SNAP criteria for review and considering other available and potentially available substitutes.

Proposed Rule

What is proposed in the Rule?

- Lists several substances as acceptable, acceptable subject to use conditions, or acceptable subject to narrowed use limits
- Clarifies status of acceptable fire suppression alternative

Which industrial sectors are included?

- Refrigeration & Air Conditioning
- Foam Blowing
- Fire Suppression & Explosion Protection

Who would be affected?

- Chemical producers
- Air conditioning and refrigeration equipment and foam manufacturers
- Some end users of equipment and products using refrigerants, fire suppressants, and foam blowing agents

When are public comments due?

Must be received by 45 days after publication in the *Federal Register*

Summary of Proposed Rule

ACCEPTABLE ALTERNATIVES

End-Use	Substitutes*	Further Information
Foam Blowing		
Extruded Polystrene (XPS): Boardstock and Billet	Blends of 40 to 52 percent HFC-134a by weight and the remainder HFO-1234ze(E); Blends of 40 to 52 percent HFC-134a with 40 to 60 percent HFO-1234ze(E) and 10 to 20 percent each water and CO ₂ by weight; Blends with maximum of 51 percent HFC-134a, 17 to 41 percent HFC-152a, up to 20 percent CO ₂ and one to 13 percent water	These blends have GWPs of 580 to 750, depending on the specific composition. Blends containing 50 percent or more HFC-134a have been found to have acceptable flammable process stability under conditions of use (i.e., XPS extrusion).

* Notwithstanding the unacceptable listings in general for blends of HFC-134a in XPS, EPA is proposing these specific blends of HFC-134a to be acceptable in this end-use. EPA is also proposing to add an exception to the unacceptable listings for HFC-134a, HFC-245fa, HFC-365mfc, and blends thereof in XPS where a blend is specifically listed as acceptable.

ACCEPTABLE ALTERNATIVES, WITH USE CONDITIONS

End-Use	Substitutes	Decision
Refrigeration & Air Conditioning		
Residential and light commercial air conditioning and heat pumps (New)	R-452B, R-454A, R-454B, R-454C, R-457A	Acceptable Subject to Use Conditions*
Residential and light commercial air conditioning and heat pumps (New) excluding self-contained room air conditioners†	R-32	Acceptable Subject to Use Conditions*

* For specific use conditions for substitutes listed as Acceptable Subject to Use Conditions, consult the Proposed Rule.

† EPA previously listed R-32 as Acceptable Subject to Use Conditions for self-contained room air conditioners (April 10, 2015; 80 FR 19454).

ACCEPTABLE ALTERNATIVES, WITH NARROWED USE LIMITS

End-Use	Substitutes	Decision	Narrowed Use Limits	Further Information
Refrigeration & Air Conditioning				
Retail food refrigeration – medium-temperature stand-alone units (New)	R-448A, R-449A, R-449B	Acceptable Subject to Narrowed Use Limits	Acceptable only for use in new medium-temperature stand-alone units where reasonable efforts have been made to ascertain that other alternatives are not technically feasible due to the inability to meet Americans with Disabilities Act (ADA) requirements.	Users are required to document and retain the results of their technical investigation of alternatives for the purpose of demonstrating compliance. Information should include descriptions of: <ul style="list-style-type: none"> • Process or product in which the substitute is needed; • Substitutes examined and rejected; • Reason for rejection of other alternatives, e.g., performance, technical or safety standards, ADA requirements; and/or • Anticipated date other substitutes will be available and projected time for switching.

OTHER CHANGES

End-Use	Change
Fire Suppression and Explosion Protection	
Total Flooding	Clarify that Powdered Aerosol E (FirePro™) is listed as acceptable, and that the previously issued use condition is no longer required as of October 4, 2018.

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dmoorhead@bandiflorida.com

(239) 332-4646

2701 Prince Street

Fort Myers, Florida 33916

Sponsorship cutoff date:

02OCT20

Tech Topics: (\$250.00)~~4~~ (9) Available.

- First come, first serve.

- Sole Tech Topic presentation
for desired monthly meeting**Silver Level - \$1,500.00 (Savings: \$175.00)**

- Golf Tournament: Silver Sponsorship Package (Value: \$1,000.00)
- Fishing Tournament: Silver Sponsorship Package (Value: \$300.00)
- (5) monthly meeting tickets (Value: \$175.00)
- Signage at each monthly meeting (Value: \$100.00)
- Logo on newsletters (Value: \$100.00)

Bronze Level - \$1,000.00 (Savings: \$150.00)

- Golf Tournament: Tee Sponsorship (Value: \$500.00)
- Fishing Tournament: Bronze Package (Value: \$200.00)
- (2) Entries for either Golf or Fishing (Value: \$250.00)
- Signage at each monthly meeting (Value: \$100.00)
- Logo on newsletters (Value: \$100.00)

We will be providing Golf and Fishing Sponsorships flyers additionally, as in previous years, if you do not wish to pick one of the levels above. If you have any questions don't hesitate to contact David or one of the individuals above.

Please send desired sponsorship levels to David Moorhead – dmoorhead@bandiflorida.com.

Portion of Proceeds to Benefit ASHRAE Research and the SWFL ASHRAE Chapter Endowment Fund

SWFL ASHRAE is a 501©(3) not for profit organization

September 10, 2020

From: ASHRAE Southwest Florida Chapter

Subject: ASHRAE Southwest Florida Sponsorship Opportunities for 2020-2021

The ASHRAE Southwest Florida Chapter RP fundraising events are excellent sponsorship opportunities. Your company reaches many key decision makers and sends a strong message of supporting the research that the community relies upon for comfort and sustainability.

The Southwest Florida Chapter is continuing to make sponsorships even easier by offering levels that include promotion of your company at all chapter events! If you aren't able to contribute at one of these levels, sponsorship opportunities for the Golf and Fishing tournaments will be offered separately before each event!

Annual Sponsorship Levels:**Diamond Level - \$6,000.00 (Savings: \$825.00)*****One Available***

- "Happy Hour" Sponsorship for each monthly meeting (1 drink logo imprinted drink tickets for each attendee) (Value: \$2,000.00)
 - o Logo SWAG can be distributed during Happy Hour (Value: Priceless)
- Golf Tournament: Gold Sponsorship Package (Value: \$1,750.00)
- Fishing Tournament: Gold Sponsorship Package (Value: \$500.00)
- (1) Tech Topic Presentation (Value: \$200.00)
- (1) complimentary fishing charter (Value: \$1,000.00)
- (15) monthly meeting tickets (Value: \$525.00)
- (2) Meeting Sponsors (Value: \$500.00)
- (10) Yeti Raffle tickets (Value: \$100.00)
- Signage at each monthly meeting (Value: \$100.00)
- Logo on newsletters (Value: \$100.00)

SOLD

Gold Level - \$3,000.00 (Savings: \$300.00)

- Golf Tournament: Gold Sponsorship Package (Value: \$1,750.00)
- Fishing Tournament: Gold Sponsorship Package (Value: \$500.00)
- (1) Tech Topic Presentations (Value: \$250.00)
- (10) monthly meeting tickets (Value: \$350.00)
- (1) Meeting Sponsor (Value: \$250.00)
- Signage at each monthly meeting (Value: \$100.00)
- Logo on newsletters (Value: \$100.00)

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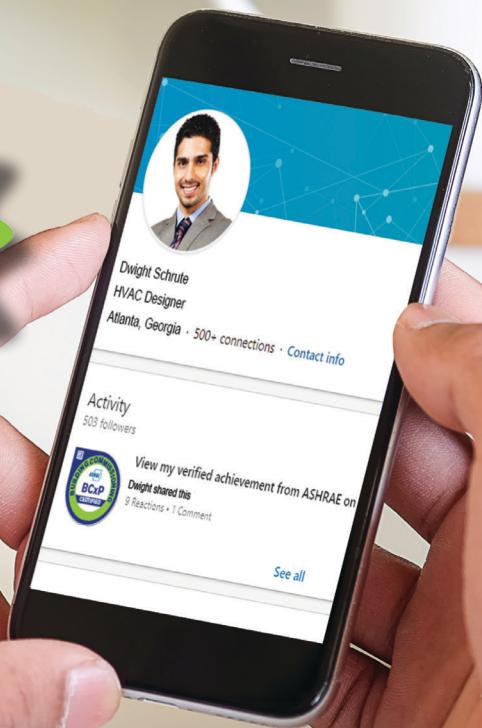
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ASHRAE 2020

THANKSGOLFING OUTING

SPANISH WELLS
SATURDAY, NOV 7TH, 2020
12:00 PM SHOTGUN START

(TENTATIVE TEE TIMES DUE TO COVID-19)

Portion of Proceeds to Benefit ASHRAE Research and the
SWFL ASHRAE Chapter Endowment Fund

SWFL ASHRAE is a 501(c)(3) not for profit organization



ASHRAE THANKSGOLFING 2020



INDIVIDUAL PARTICIPATION & A LA CARTE

INDIVIDUAL PLAYER FEE: \$125

- Driving Range/putting Warm-up
- Cart & Green Fees
- Awards Dinner and Lunch before start of round
- Gift Bag

A LA CARTE:

- Mulligans - 1 for \$10 / 3 for \$20
- Raffle Tickets - 1 for \$10 / 3 for \$20 / Arm Length for \$50
- Yard Sticks - \$40 Per Team (measured to front of hole) One per Team
- Awards Dinner Only - \$50 per Person
- Putting Contest - 1 for \$10 / 5 for \$25

THANKSGOLFING 2020





SPONSORSHIP OPPORTUNITIES

Gold Sponsor: \$1,750

Eight (8) Player Entries	One (1) Hole Tee Sponsorship
One (1) Flag Sponsorship	Eight (8) Mulligans
One (1) Arm Length Raffle	Eight (8) Putting Contest Entries

Silver Sponsor: \$1,000

Four (4) Player Entries	One (1) Hole Tee Sponsorship
One (1) Arm Length Raffle	Four (4) Mulligans
Four (4) Putting Contest Entries	

A La Carte

Tee Sponsors - \$500	Putting Contest Sponsor - \$750
Flag Sponsors - \$500	Closest to the Pin Sponsor - \$750
Longest Drive Sponsor - \$750	
Awards Lunch Sponsors - \$750 (2 Available)	
Beverage Cart Sponsor - \$1,500 (1 Available)	

SPONSOR
REGISTRATION
DEADLINE IS:
OCTOBER 24 , 2019

Payment Options:

- 1) Request invoice from
ngamez@bandiflorida.com
- 2) Make Check out to
ASHRAE Southwest FL Chapter
Mail all Checks to:
Noe Gamez
2701 Prince Street
Fort Myers, FL 33916

THANKSGOLFING 2020