

Main Program: What Is ASHRAE?

What better way to kick off the ASHRAE year than by with a topic explaining what ASHRAE itself is & what it does! This presentation will cover the ASHRAE 2019-2024 Strategic Plan, ASHRAE's Core Values, the ASHRAE Code of Ethics, ASHRAE Standards, Advanced Energy and Design Guides, ASHRAE's extensive collection of online material & journals, and more. Aspects of how ASHRAE works as well as how to access functions and information available to its members will be broken down so that you can take full advantage of your ASHRAE membership & understand what it is we do!



Presenter: Casey A. Hazen

A dedicated Account Manager at Trane Technologies for now 7 years, Casey Hazen specializes in optimizing the efficacy and energy efficiency of buildings & campuses through the implementation, analysis, and manipulation of commercial building automation systems. With a bachelor's degree in mechanical engineering from the University of Florida earned in 2018, Casey brings a strong technical foundation to his role and a passion to improve the community in which he lives. A passionate swimmer, surfer, gardener, & general do-er of things, Casey balances his professional life with as much family time as he can, enjoying the company of his wife, two young children, and two dogs. He is a born Florida native and an avid Gator football fan, who moved to Fort Myers from Jacksonville just under 3 years ago. He has been an active member of ASHRAE in both locations for now over seven years, holding many chair positions and several distinctions on the board of governors. He now serves as SWFL's Chapter President and is excited to continue to contribute to both his community and the industry in any & every way he can.

MEETING DETAILS

Date

Thursday, September 19th, 2024

Location

Double Tree at Gulf Coast Town Center

Start Times

Networking: 5:30 p.m. to 6:45 p.m.

Dinner/Main program: 6:45 p.m. to 8:00 p.m.

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

RSVP by September 18th via the following link:

[Click here to RSVP](#)

UPCOMING EVENTS

Monthly Meeting.

Thursday, September 19th, 2024

Golf Tournament

Friday, October 4th, 2024

A MESSAGE FROM YOUR SWFL ASHRAE PRESIDENT:

CASEY A. HAZEN

Greetings SWFL Chapter,

I hope everyone had a great summer & is ready for an even better fall!! We have a lot in store for you this year and I think you all will be very pleased with the effort and passion that our SWFL ASHRAE is putting into this year's litany of events.

Before diving deeper into the year we have planned for you, I'd like to take a moment to sincerely thank our very generous sponsors and volunteers who have supported us year after year. It is only with your help that we are able to make this possible and further the work that ASHRAE does to improve the built environment in which we live. I am continually impressed with the overwhelming support & dedication of this SWFL chapter and even more so impressed by it's continual growth over the past years. We're now even seeing totally new industry men & women expressing interest in our meetings and events. We welcome you and are very pleased to count you among our ranks. As such it is my distinct privilege to serve as your president this year. I hope you'll find this year both enriching and rewarding as we embark on a journey of learning and growth together.

As we kick the year off we will be sending out flyers for our upcoming events, first of which is our September dinner meeting, followed soon after by our Annual 'Golftoberfest' Golf Tournament at the Plantation country club. We will continue the tradition of holding our annual Fishing Tournament, December Refrigeration tour, and visit from our ASHRAE Society President, but you'll see some newer events too aimed to get our ever-growing bunch of YEA members involved and excited. Keep an eye out for flyers and newsletters to come for more details about these events.

As always, we encourage you to bring new faces to all of these, as all are welcome and a diverse chapter is a strong one. Let's all do our best to keep SWFL Chapter strong for years to come!

Cheers,

Casey Allen Hazen, BSME
SWFL Chapter President 2024-2025



Refrigerant Flammability and the Transition to A2Ls

Refrigeration Chair - Kevin Jewell

In recent years, the criticality of significantly reducing global warming potential (GWP) has been one of the main drivers of refrigerant innovation. While global warming concerns started to gain a louder voice in the 1970s and '80s, the 2016 adoption of the Kigali Amendment to the Montreal Protocol marks a significant point in the refrigerant transition time line. The amendment focused on phasing down production and consumption of hydrofluorocarbons (HFCs) that contribute to global warming. With GWP being the focus, HFO-1234yf—as well as other low-GWP hydrofluoroolefins (HFOs)—were invented and introduced into the marketplace to be used as stand-alone refrigerants in some applications, such as mobile comfort cooling, and as blend components for air-conditioning and refrigeration applications. Many HFOs such as R-1234yf have an ASHRAE safety classification of lower flammability (A2L). However, their environmental profiles allow for lower GWP values compared to incumbent HFCs.

Authors: Interview with Andrew Pansulla
Citation: ASHRAE Journal, Vol. 66, no. 5, May 2024
Pages: 3
Publish Date: May 2024
Publisher: ASHRAE

MONTHLY MEETINGS

- October 11th: Lunch
- November 13th: Lunch
- December: Refrigeration Tour, Date TBD
- January 8th: Dinner
- February 12th: Lunch
- March 12th: Dinner
- April 9th: Dinner
- May 14th: Dinner

2024-2025 Sponsorships Opportunities

Research Promotion Chair - Gary Devore

Diamond Sponsorship:

Trane Technologies

Gold Sponsorship:

Tom Barrow Company, Commercial Air Management, B&I Contractors, Diversified Fluid Controls

I would like to thank those of you who have already committed to sponsorships for the 24-25 society year.

We would encourage anyone who values their membership in SWFL ASHRAE to review the many benefits of sponsorship detailed in the annual sponsorship letter attached at the end of this newsletter.

If you have agreed to be a 24-25 sponsor and do not see your name listed above, please reach out.

gdevore@bandiflorida.com / (239) 671-6448

Thank you, we appreciate your continued support.

CRC Region XII Brasil 2024

Historian Chair- Sidney Feldman



GSA and DOE Release RFI for Technologies that Increase Sustainability of Buildings

Government Affairs Chair - Trevor Cltek

The U.S. General Services Administration (GSA) and U.S. Department of Energy (DOE) announced a Request for Information on innovative, emerging, and sustainable technologies that enable energy efficiency and decarbonization in commercial buildings, and more efficient electric infrastructure. As part of the Inflation Reduction Act (IRA), GSA is investing \$30 million to improve the sustainability of federal buildings, which this RFI would help advance.

The RFI is specifically looking for novel technologies in the following categories:

- Deep Energy Retrofits
- All-Electric Buildings and All-Electric Vehicle Fleets
- Healthy and Resilient Buildings
- Low-Embodied Carbon Building Materials
- Net-Zero Operations
- Packages of Emerging and Sustainable Technology Solutions

Submissions for the RFI must be technically and commercially ready for evaluation in occupied, operational buildings. Selections will serve as a pilot through a GSA, DOE, or combined program in one of the above categories. The RFI opened for submissions on August 1, 2024, and will remain open until September 13, 2024. If you are interested in submitting to the RFI, please click [here](#) for more information

Reopening of public comment period and public hearing for HFC Phasedown

Government Affairs Chair - Trevor Cltek

The U.S. Environmental Protection Agency (EPA) has reopened the public comment period for [new rules](#) regarding restrictions on the use of hydrofluorocarbons (HFCs) under the American Innovation and Manufacturing (AIM) Act in variable refrigerant flow air conditioning subsector. [Originally proposed June 26, 2024](#), the new rules amends the Technology Transitions regulation by adding an additional year for the installation of new Variable Refrigerant Flow (VRF) systems using HFCs with a global warming potential of 700 or more, and where components were manufactured in the U.S. or imported into the U.S. prior to January 1, 2026. The proposed rule would extend the deadline until January 1, 2027.

Comments must be received by August 27, 2024. Additionally, the EPA will host a virtual public hearing for the public to offer oral comments on the proposed rule. The virtual public hearing is scheduled for August 27, 2024, at 1 p.m. ET. Click [here](#) if you would like to register for the hearing.

ASHRAE 2024

GOLFTOBERFEST OUTING

THE PLANTATION GOLF & COUNTRY CLUB

(10500 DARTINGTON DRIVE, FORT MYERS, FL 33913)

FRIDAY, OCT 4TH, 2024

12:00 PM PUTTING CONTEST

1:00 PM SHOTGUN START

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 GOLFTOBERFEST 2024

INDIVIDUAL PARTICIPATION & A LA CARTE

INDIVIDUAL PLAYER FEE: \$135

- Driving Range / Warm-up (11:00am – 12:30pm)
- Cart & Green Fees
- Awards Dinner
- Gift Bag

A LA CARTE:

- Mulligans - 1 for \$10 / 3 for \$20
- Raffle Tickets - 1 for \$10 / 3 for \$20 / 10 for \$50 / 25 for \$100
- Yard Sticks - \$40 Per Team (measured to front of hole) One per Team
- Awards Dinner Only - \$50 per Person
- Putting Contest - 1 for \$10 / 3 for \$20

GOLFTOBERFEST 2024



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)

GOLFTOBERFEST 2024

SPONSOR REGISTRATION DEADLINE: SEPT 26 , 2024

Payment Options:

- 1) SWFL ASHRAE QR Code
(Save screenshots for receipt)



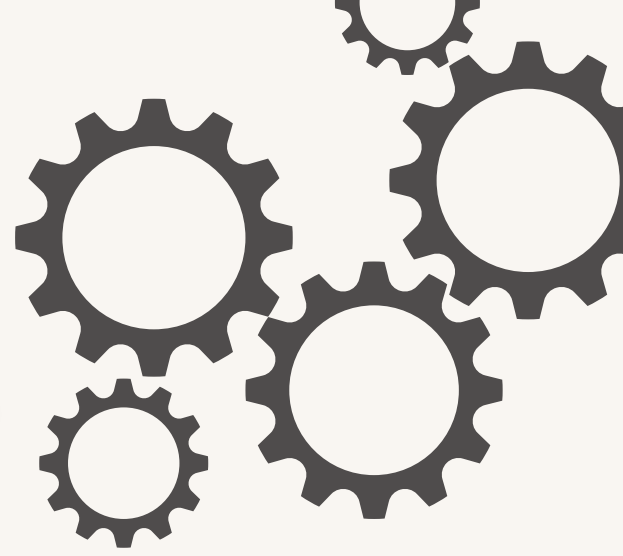
- 2) Request invoice from gdevore@bandiflorida.com

- 3) Make a check out to:
ASHRAE Southwest FL Chapter

Mail all Checks to:
Gary DeVore
2701 Prince Street
Fort Myers, FL 33916

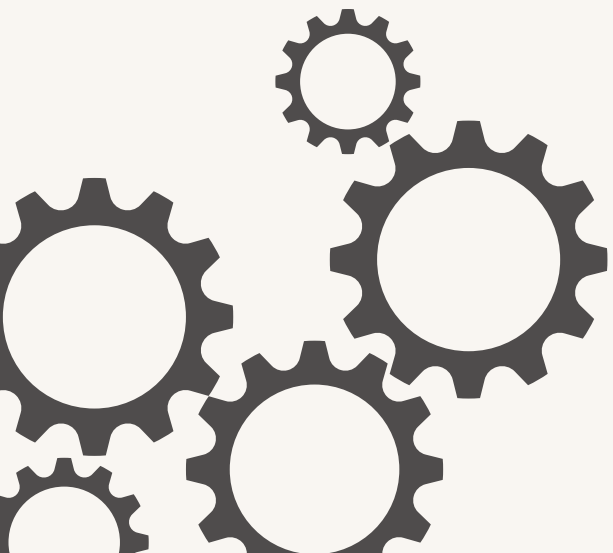
STEM@Work

SCIENCE . TECHNOLOGY . ENGINEERING . MATH
<http://www.leeschoolfoundation.org>



Scheduled Technical Tours at B&I Office:

- Wednesday, November 13th
(10am-12pm) - School TBD
- Wednesday, December 4th
(10am-12pm) - School TBD
- Wednesday, January 22nd
(10am-12pm) - School TBD
- Wednesday, February 12th
(10am-12pm) - School TBD
- Potential for One Additional Stem@Work





Message from the Foundation

Since 1986 the mission of the Foundation has been to enhance the quality of public education in Lee County by increasing community involvement in, and support for, Lee County Public Schools. A diverse group of local business and community leaders realized that the cornerstone of an economically strong community was a quality public education system.

The purpose of every initiative of The Foundation for Lee County Public Schools is to enhance and enrich the quality of public education in Lee County for students and educators. View our various programs to learn more about our students' unique learning opportunities and how teachers themselves are recognized and encouraged in their dedicated efforts.

Stem@Work

Our focus on STEM began with the notion that students need more opportunities in the areas of Science, Technology, Engineering, and Math related fields. The National Science Foundation estimates that 80% of the jobs created in the next decade will require some form of math and science skills.

Our STEM Initiatives are a collaboration between the Foundation and the School District of Lee County. Funded through the generosity of our business partners, this initiative offers students the opportunity to participate in field trips and internships, as well as experience hands-on activities through partnerships with businesses in the community. Check out more information at: <https://leeschoolfoundation.org/>



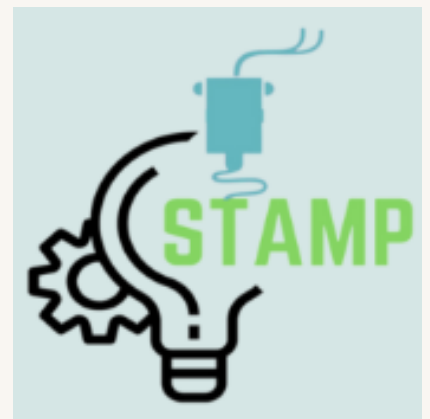
Student Advocacy & Mentoring Partnership (STAMP)

Realizing the great impact that mentors have on students, the Foundation has implemented the Student Advocacy & Mentoring Partnership (STAMP). STAMP is a program that offers students the opportunity to achieve success by providing them college and career planning resources and volunteer mentors to give students assistance, guidance, motivation and accountability to work hard and to ensure they graduate from high school to continue their education either through technical training or earning a college degree. It is a multi-year commitment for at-risk high school students to invest in their future and increase the high school graduation rate and post-secondary educational opportunities.

The STAMP program strives to accommodate eligible students, match them with mentors, and assist them in acquiring scholarships to cover the cost of attending college or other post-secondary training. Students and their families, mentors, school coordinators, and Foundation staff all work together through the STAMP program and are instrumental in helping students pursue their post-high school education and career goals. Students will also be able to attend STEM@work events to learn about local businesses.



Apply to STAMP





ASHRAE Membership

ashrae.org/benefits

Five Benefit Options Available.

Full Members and Associates can now select **1** of the following options:

eLearning Course



150+

to choose from

ASHRAE Standard or Guideline



100+

to choose from

ASHRAE Handbook



PDF version of the most recent

Handbook Online



4

most recent

ASHRAE Certification Exam Study Guide



3

to choose from

First Year New Members automatically get:

1 Free Registration



to Winter or Annual Conference

12 Months FREE



Handbook Online

Additional Member Benefits

12

month subscription to ASHRAE Journal



25% discount

On

400



publications in the Bookstore

2000+

free resources for members in the ASHRAE Technology Portal

50,000+
Members



190+ Chapters **16** Regions across the world

