

Upcoming Events

Wednesday, April 10th, 11:30 pm – 1 pm

- Monthly Meeting

Saturday, April 27th, 2024, 7 am

- Annual ASHRAE Fishing Tournament

A message from Ms. Gena Knight,
SWFL ASHRAE President

Greetings SWFL ASHRAE,

Exciting things are going on in Southwest Florida! April ASHRAE style begins with a lunch meeting featuring Tony Furst offering insight into the pump curve and ends with some backwater fishing at our annual fishing tournament. Flyers for both events are included in this newsletter. April showers brings May flowers does not typically apply to southwest Florida weather, but I do hope you get to enjoy what little mild weather we have left for the season.

Best Wishes,

- Gena Knight

SWFL Chapter President 2023-2024



SWFL ASHRAE Chapter Meeting Announcement

Date: Wednesday, April 10th, 2024
Location: Double Tree at Belltower Shops
Start Time: 11:30 a.m. to 12:00 p.m. Networking
 12:00 p.m. to 1:00 p.m. Lunch 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
RSVP by 08APR24 via the following link: <https://forms.gle/WDDxGunTxZ5Fdoj1A>
For Last-Minute RSVPs, please email casey.hazen@trane.com We will try to accommodate on a case-by-case basis.

Main Program: Demystifying the Pump Curve

As mechanical engineers, we routinely work with pump curves, however over the past few years with the advances made in variable speed pumping more information is contained on pump curves than ever before. What does all this mean to engineers and designers? Do you know the terms POR, AOR MCSF? This presentation will help provide the guidance necessary to demystify pumps curves as well as all the terminology associated with them.

Presenter:

Tony Furst, MSED, CPD, LEED AP

With over 40 years of experience in mechanical engineering, Tony is the US Director of Application Engineering and Manager of the RSEC-US at Armstrong Fluid Technology, a global leader in innovative and sustainable HVAC solutions. He holds the credentials of LEED AP and CPD.

In his current role, he leads a team of application engineers and sales support specialists who provide customized and cost-effective solutions for various sectors, such as healthcare, higher education, and K-12. Our team has successfully delivered multimillion-dollar projects that reduce energy costs, improve operational performance, and enhance indoor environmental quality for our clients.

Upcoming ASHRAE Meetings (Topics TBD)

April 10th, Lunch

May 8th, Dinner

Refrigeration – Jeff Brooks

Natural Refrigerants From a Theoretical Point of View

By [Carel Industries](#)

What are natural refrigerants?

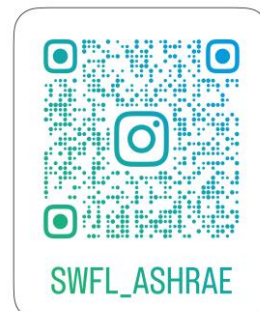
Natural refrigerants are substances that exist naturally in the environment. With zero ozone depletion potential (ODP) and very low or zero global warming potential (GWP), they are considered the definitive solution to the environmental damage caused by synthetic refrigerants.

The most widespread natural refrigerants used in HVAC/R applications today are carbon dioxide (CO₂, R-744), hydrocarbons such as propane (R-290), isobutane (R-600a) and propylene (R-1270), and ammonia (NH₃, R-717). Other natural refrigerants are water (H₂O, R-718) and air (R-729), used only for special applications, or sulphur dioxide (SO₂) and methyl chloride (CH₃Cl), which are no longer used.

[Read More](#)

ASHRAE Social Media

Follow us on Instagram!



Student Activities – Gary Devore

Completed Technical Tours at B&I Office – Thanks to all who Volunteered

- ❖ Island Coast HS – October 11th - 21 Students/3 Teachers Attended
- ❖ Dunbar HS – November 15th - 23 Students/3 Teachers Attended
- ❖ Riverdale HS – January 18th - 11 Students/4 Teachers Attended
- ❖ Canceled – Cypress Lake HS – March 26th – 10:00am – 12:00pm



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 Training & Advocacy Mentoring Partnership (STAMP)

Realizing the great impact that mentors have on students, The Foundation has implemented the Student Training & 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 and grants 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.

Scan the QR Code To Apply To STAMP!



Government Affairs – James Martin

ASHRAE Government Outreach Day in Wisconsin

On February 28th ASHRAE members representing all four of Wisconsin's Chapters converged in the state capital of Madison to meet with lawmakers. The delegation, led by Victor Nino, Heather Kozlowski, Jason Boatman, Eric Erdman, and Jon Douglas ultimately met with 20 lawmakers or their staffers. They introduced the elected officials to ASHRAE, built invaluable relationships with their own elected officials, and offered their expertise on key issues. The topics discussed included efforts to update the state's energy standard for buildings to the latest version of ASHRAE Standard 90.1, phase down high-GWP refrigerants, and legislation that would provide grants for building energy efficiency in schools. Wisconsin's current legislative session will soon draw to a close, and with the Governor's ongoing lawsuit against the state legislature for blocking the commercial energy standard update and competitive elections in the fall on everyone's mind, this successful outreach event poises the Wisconsin government affairs chapter chairs for meaningful future success and deeper political engagement! If you are interested in conducting a government outreach event, [please contact](#) the ASHRAE Government Affairs department.



ASHRAE Maine Conducts an Impactful Day on the Hill Event

On February 22nd ASHRAE members in Maine met in the state capital of Augusta to meet with their elected officials and other key members of the legislature. The team of government outreach volunteers was led by Rae Pinyard, PE, the Government Affairs Chair of ASHRAE's Maine Chapter. The group met with eight lawmakers, including party leaders, to introduce ASHRAE and to discuss how the state's commercial energy code and the other ASHRAE standards that Maine adopts have fallen out of date. Lawmakers were receptive to this message and have already begun involving ASHRAE in discussions on how to improve the situation, including increased funding for the state's code update council, and other administrative changes. Lawmakers shared that the opportunity to implement these changes will be in the state's budgeting and appropriations process next session, and expressed their hope that ASHRAE will contribute to that process. A follow up meeting has already taken place with the Governor's Office of Policy Innovation & the Future, which was organized at the request of lawmakers the group spoke with during their outreach event. If you are interested in conducting a government outreach event, [please contact](#) the ASHRAE Government Affairs department.

March 2024 Dinner Meeting



ASHRAE

ASHRAE Merchandise

Shop your favorite ASHRAE logo merchandise below. From hats and polos to car magnets and tumblers, we have all the gear you need to show off your ASHRAE pride.

Regions and Chapters are welcome to email merchandise@ashrae.org with questions about ordering items at-cost or in bulk if stock is available.

[Get Your Merch Today!](#)

Featured Jobs

- ❖ Engineer, Senior Controls System
- ❖ CNC Operator
- ❖ Faculty, HVAC & Refrigeration
- ❖ Full Time Lecturer of Mechanical Engineering
- ❖ HVAC Engineer
- ❖ Environmental, Health & Safety (EHS) Specialist
- ❖ Electronic Industrial Controls Mechanic
- ❖ Post-Doctoral Teaching/Research Scholar – Mechanical Engineering
- ❖ Director, Facilities Management



[Apply Here](#)



ASHREA
YEA POKER
Night

Saturday 4/20 @ 7pm

\$10 Buy-In

Winner Takes All

1223 SE 8th St. Cape Coral



Southwest Florida Chapter

Proudly Invites You To Join Us For Our:

2024 ANNUAL BACKWATER FISHING TOURNAMENT

Saturday

April 27th, 2024

\$1,600.00 Total Cash Prizes:

- Longest Team Snook - \$500
- Longest Team Redfish - \$500
- Longest Team Trout - \$500
- LONGEST Tournament fish by LADY ANGLER - \$50
- LONGEST Tournament fish by JUNIOR ANGLER - \$50
(17 and under)

NON-CASH PRIZES will be awarded for:

- SECOND/THIRD Longest Tournament
Fish (Snook, Redfish, Trout)

Entry Fee is \$ 125.00 per person

Paid entry includes:

Tournament Entry, Tournament T-shirt, Tickets for Drawings, and Awards Dinner

Dinner tickets can be purchased separately for \$35.00 each. Children under 12 years of age are \$20.00 each. Awards dinner will be held at Pinchers at 2:30 PM (located at 5991 Silver King Boulevard, Cape Coral, Florida 33914).

A Mandatory Captain's Meeting will be held Friday, April 26th, 2024, @ 6:30 PM at *Pinchers- Tarpon Point*. **One representative from each Team is required to attend to pick up Rules, Tournament T-shirts, and register your vessel!**

Please direct all questions to Gary Devore via phone at (239) 671-6448 or email GDevore@bandiflorida.com



ASHRAE (American Society of Heating, Refrigerating, and Air-conditioning Engineers), founded in 1894, is an international not-for-profit organization with more than 56,000 members from 132 nations. ASHRAE's mission is advancing the art and science of heating, ventilation, air conditioning and refrigeration to serve humanity and promote a sustainable world through research, standards writing, publishing and continuing education. A portion of Tournament proceeds are donated to ASHRAE research on behalf of the Southwest Florida Chapter.

2024 ANNUAL BACKWATER FISHING TOURNAMENT

*Thank you for entering the Annual Southwest Florida Backwater Fishing Tournament hosted by the Southwest Florida Chapter of ASHRAE. The festivities this year will begin on Friday evening April 26th at Pinchers- Tarpon Point. The Captain's meeting will begin at 6:30 PM, which will be a cash bar social. We will discuss rules and regulations. **One member from each fishing team is required to attend to register their boat and to pick up the tournament T-shirts and other information, and you will also get your tournament ruler.***

Tournament Rules

This is a catch and release tournament

*1st-3rd Place will be determined by the LONGEST length of each individual fish. Snook, Redfish & Trout. (Not total combined length)

1. For scoring, anglers will be required to take a picture of their catch on a tournament-provided ruler. Fish must be measured with the tail starting at the zero mark of the ruler. You will be able to text or email photos ahead of time to organizer no later than **2:30**
NO EXCEPTIONS – PENALTY WILL BE ENFORCED
2. No fishing before 7:00 AM. Teams may be on the water and catch bait or navigate to fishing holes prior to official 7:00 AM start.
3. This is an open bait tournament (live or artificial baits may be used).
4. Anglers are allowed to fish from any location desired.
5. All boats must stay 50 feet away from other vessels, with the exception of pass fishing, a breakdown or an emergency.
6. Kayak and canoe teams must stay together and fish from the same locations.
7. The holding of fishing holes or chumming of holes by another boat is not allowed.
8. All anglers are required to be at the awards dinner no later than **3:00 PM**.
9. The ASHRAE tournament directors will resolve any disputes or interpretations of the fishing rules during review of fish photographs.
10. All anglers must be present for any door prizes or awards.
11. **All anglers must abide by State and Federal fishing regulations.**
12. **All appropriate fishing licenses and/or stamps are the responsibility of each angler.**
13. All fish must be released alive to constitute a catch.
14. Have fun and be safe!

Saturday morning April 27th, 2024 is an Honor Start at 7:00AM from anywhere you would like. No lines in the water until 7:00 AM! There is no formal check-in.

SUBJECT TO CHANGE

The awards dinner will be held at Pinchers (located at 5991 Silver King Boulevard, Cape Coral, Florida 33914) starting at 2:30 PM. The awards, trophies, prize drawings, and raffle will be held during dinner. All Anglers must be present to win!

2024 ANNUAL BACKWATER FISHING TOURNAMENT

Saturday April 27th, 2024

This is your opportunity to participate in sponsoring the state's only ASHRAE Backwater Fishing Tournament! All prior backwater fishing events were a huge success. This year we anticipate an even bigger turnout. Please be the first to join our Team by sponsoring this event.

A Portion of the Proceeds will be contributed to ASHRAE Research

Medallion sponsorship is as follows:

Bronze Medallion \$225.00 One paid entry fee, Company logo will be printed on T-shirt

Silver Medallion \$350.00 Two paid entry fees, Company logo on T-shirt

Gold Medallion \$600.00 Four paid entry fees (transferable to anyone you wish)

Company Logo on T-shirt and special recognition

Diamond Medallion \$800.00 Four paid entry fees (transferable to anyone you wish)

Company Logo on T-shirt, Large Company Logo on Ruler or Bucket (one sponsor for each), plus special recognition (2 Diamond Medallions available)

Platinum Medallion \$1,200.00 Six paid entry fees (transferable to anyone you wish)

Large Company Logo on T-shirt Sleeve, plus special recognition

(1 Platinum Medallion available)

Sponsorship Data

Company Name: _____

Address: _____

City/State/Zip: _____

Telephone/Fax: _____

Email: _____

Sponsor Level: (Please Circle One)

Bronze (\$225)

Silver (\$350)

Gold (\$600)

Diamond (\$800)

Platinum (\$1,200)

Please make checks payable to:

Southwest Florida ASHRAE

2701 Prince Street

Fort Myers, FL 33916

Attn: Gary Devore

ASHRAE is a non-profit organization with Group Tax Exempt Status

All Sponsorship forms and company logos must be sent in no later than April 8th, 2024 in order to get the logos on to the shirts!

2024 ANNUAL BACKWATER FISHING TOURNAMENT

Saturday April 27th, 2024

Official Entry Form

Captain Name _____ **Shirt Size** _____

Team Name _____

Vessel Make _____

Vessel Length _____

Vessel Color _____

ADDITIONAL TEAM MEMBERS

1. _____ **Shirt Size** _____

2. _____ **Shirt Size** _____

3. _____ **Shirt Size** _____

I represent by my signature below that my crew and I will comply with the rules of the Annual Backwater Tournament. We will comply with the guidelines established by the State of Florida pertaining to lengths and limits of fish. I understand that I am responsible for my boat and crew at all times and that my vessel meets the minimum safety requirements set by the State of Florida. I hereby release the Southwest Florida Chapter of ASHRAE, its principals and affiliates from all liability.

CAPTAIN SIGNATURE

DATE

Please return this completed form NO LATER THAN 04/08/2024 to:

Southwest Florida ASHRAE
2701 Prince Street
Fort Myers, FL 33916
Attn: Gary Devore

Phone: (239) 362-8884, Fax: (239) 332-5928, or email: GDevore@bandiflorida.com

2024 ANNUAL BACKWATER FISHING TOURNAMENT

Raffle

1 Ticket \$5.00

3 Tickets \$10.00

10 Tickets \$25.00

25 Tickets \$50.00



Raffle Prizes

- Penn Spinfisher VI Reels***
 - Bubba Blade***
 - Bubba Pliers***
- Shadow Tech Landing Net***
 - Other Fishing Gear***



YETI 45 Raffle



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 make payments at on the Southwest Florida ASHRAE
website under Upcoming Events

www.swflashrae.org

YETI will be raffled off @ ASHRAE Fishing Tournament

You do not have to be present to win!

1ST ANNUAL SWFL ASHRAE

CORNHOLE TOURNAMENT

MAY 11TH



BAR AND FOOD TRUCK WILL
BE AVAILABLE FOR FOOD
AND DRINK PURCHASE



BAGS FLY AT 12 PM

ENTRY \$25 - REGISTRATION 11:00 AM

SCOTTY'S 901 EAST INDUSTRIAL CIRCLE, CAPE CORAL, FL 33909

TOURNAMENT RULES:
BLIND DRAW, DOUBLE ELIMINATION, PAYOUT BASED ON NUMBER OF PARTICIPANTS

A PORTION OF THE PROCEEDS WILL GO TOWARDS THE SWFL ASHRAE YEA FUND



Thank you to our 2023-2024 Annual Sponsors!

2023-2024 Diamond Sponsor



2023-2024 Gold Sponsors



2023-2024 Silver Sponsors



2023-2024 Bronze Sponsors





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Helps you get the recognition
you've earned.



With already more than 3,000 certifications earned to-date, ASHRAE programs were founded to meet the industry needs of today and provide value to thousands of built-environment professionals, employers and building owners.

ashrae.org/certification