

OCTOBER 2022

VOL. 37 • NO. 10

OCT 6, 22

20th Annual DURNAM FNI



Wellington National Golf Club

400 Binks Drive Wellington, FL 33414

Another way PBACCA **Serves You!**

OCT 6, 22

General

Meeting

Corner

20th Annual Golf

Casino Night!!

Beat

The Heat

Events Calendar

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Δ

5-7

8-9

12

15

PBACCA Presents **GENERAL MEETING Thursday, October 6, 2022** 8th Annual Food Drive Call Pam at 561-585-3880



--PBACCA 2022 OFFICERS--

President: Tony Kiser EDS Air Conditioning & Plumbing (561) 586-7090 • Cell (561) 628-8084 akiser@EDSAirconditioning.com

President Elect: Robin Worrell State Energy Heating & Air (561) 688-6264 · Cell (561) 795-1130 stateenergy@aol.com

Vice President: Kelly McCann CMI Air Conditioning & Electric (561) 844-1004 · Cell (561) 644-5668 kelly@cmiac.com

Secretary/Treasurer: Steven Castillo Robert R McGill Air Conditioning (561) 588-2630 • Cell (651) 629-0707 stevencastillo@mcgillac.com

Director: Sean Caplan EDSAir Conditioning & Plumbing (561) 586-7090 • Cell (561) 601-6931 SCaplan@edsairconditioning.com

Director: Arturo A. Alba, Jr. ARCO Supply (561) 586-3331 • Cell (561) 436-7881 arturoalba@arcosupply.com

Director: John Riley Al Packer Ford-Lincoln (561) 689-6550 x206 • Cell (561) 818-5424 jriley@alpackerford.com

Director: Daryl Sholar (561) 753-2575 • Cell (561) 685-6309 dsholar@wellingtonfl.gov

Director: Carissa Duemig Fund-Ex Solutions Group (954) 780-6676 • Cell (954) 650-3429 cduemig@@fundexsolutions.com

Director: Rob Mayhew Tropic Supply (561) 684-3997 • Cell (561) 703-8354 Rob.Mayhew@tropicsupply.com

Director: Tom OConnor Johnstone Supply Ware Group (561) 689-3366 • Cell (561) 345-1517 thomasOConnor@johnstonewaregroup.com

Past President: Jim Pickard CMI Air Conditioning & Electrical (561) 844-1004 x118 • Cell (561) 644-5623 • jim@cmiac.com

Executive Director: PAM RIPPLE 585-3880 • Fax-585-3347 e-mail: pripple@pbacca.org LEGAL COUNCIL: John Hockin - Linkhorst & Hockin, P.A. (561) 626-8880 FINANCIAL ADVISOR: Donna M. Sotillo, CPA Sotillo & Company • (561) 547-5730





Greetings HVAC community!

I hope you and your loved ones are safe and well after the recent storms which have ransacked the western coast of Florida. Although the summer heat is beginning to wind down, it seems our services are needed more than ever to support those in need.

Over the past few months, we have heard about the plans from the Department of Energy regarding the changes to equipment ratings and required efficiency of units. It is now looking like this will be

the first month that we will have the opportunity to see and put our hands on SEER2 equipment. Get ready, my fellow HVAC champions! Remember, if you have any questions on SEER2, I encourage you to reach out to one of our PBACCA supplier members, I know they have the information you need.

A perfect opportunity to discuss SEER2 and other pertinent information is at our next general meeting, to be held at the Lake Worth Beach Club this Thursday, October 6 at 6:30pm. This is also our 8th Annual Food Drive, and for each food item donated, you will receive one free 50/50 raffle ticket. It would be great to have a large turn out so we can fill the pantry of others with nonperishables and share all of our battle scars from another South Florida summer.

PBACCA has a packed schedule for us to finish out the year. This November is our 20th Annual Golf Tournament, four-man scratch style, at the Wellington National Golf Club on Friday, November 18. Registration and sponsorship information can be found on our website (pbacca.org) or by contacting Pam. For our end-of-the-year blowout, we will be combining Casino Night, our annual toy drive, and installation banquet on Thursday, December 1st. Talk about a great night with dancing, sipping on drinks, gambling, and congratulating the new incoming PBACCA officers and board members.

Hope to see everyone at the events!

In unity,

Tony---

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Palm Beach Air Conditioning Contractors Association (PBACCA) is an independent association serving the needs of the HVACR industry in Palm Beach County. PBACCA is not affiliated with the national group Air Conditioning Contractors of America (ACCA). The mission of PBACCA is to assist and better enable PBACCA members to acquire, serve, and satisfy their customers.



2 Free Drink tickets to Every Attendee Sponsored by: A PBACCA Valued Member

PBACCA General Meeting and 8th annual Food Drive October 6, 2022 "The Beach Club" in Lake Worth Beach. Program Speaker: PZB-Building Division Director Doug Wise

"What does the future hold for contractors and Permitting Process?"

Doug has been instrumental in making the process of permitting in the county less burdensome by moving the decal program and Video inspections online and hopefully making it easier for those using the program. He will be going over the online exact change-outs to be "self-issued" by a qualified contractor, and what he thinks the future holds for contractors and permitting. With open discussion and Q&A

> Reservations are required Reservation deadline Monday October 3, 5:00pm Thursday, October 6 "The Beach Club" One 7th Avenue North, Lake Worth, Fl. 33460 5:30 p.m. Check-in 6:30 p.m. meeting start's No cost for meeting

Everyone will be ordering from the menu and paying for themselves

RSVP to Pam at pripple@pbacca.org

Would you like to sponsor a General Meeting?

\$250 Meeting sponsor / spotlight

(Includes 2 attendees and 5 minute introduction at the podium)

Contact Pam for more information:pripple@pbacca.org or 561-585-3880

The Plenum 3 OCTOBER '22

TECHNICIAN'S CORNER

SYSTEM EVACUATION

By Kelly McCann

This month's discussion is on the importance of properly evacuating a refrigerant system. System evacuation can be defined as: The removal of all vapors, gases and fluids from a refrigeration system. Typically two main types of evacuation are "deep vacuum" and "triple evacuation." The basic premise of the evacuation process is to lower the pressure in the refrigerant system. Pressure temperature relationship will allow moisture to boil off at a much lower temperature than 212°F. For example moisture will boil at 75°F at 29" hg (vacuum), this is equal to about 22k microns. One word of caution before we get to far into this topic; many of us have heard of technicians using the system compressor to create a vacuum. This is a bad idea for a few reasons but mostly because it will damage the compressor.

So, why evacuate? As mentioned above we need to remove all inert gases and liquid from the system; however, we can also verify that the system does not have any leaks. This will be evident by not achieving the vacuum we are looking for, 29.9". If a refrigeration system has a leak, the system will be unable to maintain a vacuum. Even after the vacuum pump has been turned off and the valve to the pump has been closed to isolate the system, the system pressure will continue to rise. Always repair leaks before performing an evacuation. Moisture in a closed refrigerant circuit will create an acid causing damage to the compressor motor, valve assembly and also has a potential to cause a real head scratcher. When moisture is present it can freeze at the metering device (pressure drop) causing a restriction. After the system is thawed for diagnosis the ice at the TXV, piston or metering device is gone. The system starts up "normally" and only until ice starts building again creating another restriction will it be seen. This often causes trouble for the technician who is not aware of this potential.

(<u>Best Practice</u>: Your nitrogen should already be out to purge the system while brazing. A small bleed of 3 psig nitrogen prevents carbonization from forming on the copper as its being brazed. This carbonization can and does create a restriction in the TXV and may partially block driers). The evacuation process begins by putting a small amount of nitrogen into the system, test the system for leaks. Is it holding pressure? Apply soap bubbles to the braze joints that were just made. Once you have verified there are no obvious leaks remove the nitrogen and set up the system for evacuation. With your valve stem removal tool remove the Schrader valve stems. Depending on the type of system you are working on the evacuation tools may change (i.e. commercial, VRF, residential); however, the basic processes are similar. Additionally, there are vacuum speed kits available to enable a better, faster process.

Evacuating a 10 ton system to 500 mi	crons example
6' - 1/4" hose through the valve core	40 minutes
6' - 1/4" hose with core removed	19 minutes
6' - 1/2" hose with core removed	3 minutes

These kits include valve core removal tools, "Y" splitters and larger hoses all designed to facilitate a better evacuation. I've heard over the years that, "I pulled it down to 29 inches" and the technician saying that thought they were doing good. It is important not to rush this process and to remember that the dehydration work

doesn't start until it gets to 29"hg. Clearing up that confusion early is beneficial to good system evacuation. Once the atmosphere inside the refrigerant system reaches 29" the boiling process really begins, there is minor effect on the way down to 29". Using a micron gauge (some of the newer digital gauges have them built in) will help the technician understand where they are in the process. Generally speaking if the micron reading holds at 500 microns, the system is leak-free, moisture-free, and ready to be recharged. If the gauge reading continues to rise after one minute, moisture is still present or there may be a leak in the system. A good reminder here is about POE oil and its hygroscopic properties. Once moisture is absorbed into the POE oil it is not likely to be removed. Safe handling and good refrigeration practices apply.

The types of evacuation mentioned above are deep evacuation and triple evacuation. To define those processes: A deep evacuation is when a technician uses a vacuum pump to pull a vacuum of 250 microns (0.25 mm Hg) or deeper until no moisture or other vapor remains in the system. A vacuum [micron] gauge is used to measure the pressure conditions produced by the vacuum pump. A triple evacuation is a method in which a technician uses a vacuum pump to pull a vacuum of 1500 microns three times. After the first and second vacuum, the technician charges the system back up to a pressure between 0 psig and 3 psig with nitrogen. When a vacuum is pulled on the system, moisture evaporates into vapor. When small amounts of nitrogen are charged into the system, some of the moisture vapor remaining in the system is absorbed into the nitrogen.

The last item to discuss is your tools. There are a variety of pumps, a quality 2 stage vacuum pump is a good choice. The higher cfm of the pump will produce quicker evacuations, if the right tools and processes are used. Always change the pump oil after each use or multiple times during an especially bad evacuation (burnout, high moisture etc...). Clean oil will help in the process, dirty oil will prevent a good vacuum. Evacuation using a 4 port manifold gauge set is a better option than the 3 port set up. Using the valve core removal tool during the process is a benefit; with the cores removed the flow can be increased. Pay attention to your hoses and their seals, they will deteriorate and cause a poor vacuum, replace as needed. Some technicians will have a set of gauges solely for evacuation. Take care of your tools and they will take care of you.

Palm Beach Air Conditioning Contractors Association is excited to announce that their Twentieth Annual Golf Tournament will Be held at the Beautiful Wellington National Golf Club, Wellington, Florida On Friday, November 18 2022, 1:00 p.m.



Wellington National Golf Club is the proud host of a 2021 Puerto Rico Open Golf Championship Qualifier, a 2021 Honda Classic Qualifier, and in 2022 will host a U.S. Open Regional Qualifying site as well.

Wellington National Golf Club is an <u>Exclusive Member's only</u> golf and country club that features an award-winning golf course Designed by the legendary Johnny Miller. We are truly honored to have them host our 20th Annual Tournament.

The 4-man scramble will start the day with a complimentary Box lunch during check-in, SHOTGUN START at 1:00 p.m., drinks will be provided on the course, a Barbeque Dinner and award ceremony will immediately follow the tournament at Wellington National Golf Club Ballroom. Additional Dinner tickets can be purchased from PBACCA. In addition, there will be trophies for 1st, 2nd, & 3rd place and prizes for the longest drive, straightest drive, closest to the pin, and more!

Sign your team up now! Treat your friends, business associates, or your employees to a day of fun! It is suggested that you register early because this tournament will be a sell-out with a waiting list.

Contact Pam with any questions regarding the tournament 561-585-3880 or pripple@pbacca.org





Tournament

Palm Beach Air Conditioning Contractors Association

WHERE

Wellington National Golf Club... 400 Binks Drive Wellington, FL 33414

WHEN

Friday, November 18th 2022

1:00 p.m. Shotgun Start Scramble

- Box Lunch at check in (11:30 p.m. check in)
- Drinks provided on the course
- Trophy and Prizes for 1st, 2nd & 3rd place
- Prizes for longest drive straightest drive, closest to pin and more!
- Raffle prizes for everyone!
- FREE Barbecue Dinner included with green fees to be held at **Wellington National Golf CLUB Ballroom**. (Sponsorships still available)

The Awards Ceremony: After you finish, join us for the awards banquet at Wellington National Golf Club Ballroom. We will serve barbecue chicken, burgers, and hot dogs, slaw, potato salad, beans and more! Your family and friends are welcome to join for the awards ceremony and dinner.

Friday, Nov Wellington Nat	vember 18th tional Golf Club)
Company AddressCity PhoneFaxEmail _	St Zip	
Golfers 1) 2) 3) 4) There will be# golfers @ \$200 (if you register before Nov		S M L XL XXL S M L XL XXL
Dinner Tickets Only \$25.00 dollars Per Person children unde		=\$
Hole sponsorship with foursome\$950 (you save \$50.00)		=\$
ADVANCE RESERVATIONS ARE M	ANDATORY FOR G	GOLF! TOTAL =\$
COMPLETE YOUR REGISTRA	m and your paymen)7 Lantana, Fl. 3346 1-585-3880	t to: 5

The Plenum 6 OCTOBER '22

PBACCA Twentieth Annual Golf Tournament Sponsorship/Volunteer Opportunities

We have specific sponsorships available, but will be open to other types of sponsorship suggestions. Please review the following list of opportunities, fill in the form below and mail to the specified address. Sponsorships on this list are first come-first serve basis. The earlier you confirm your sponsorship the more recognition you'll receive in future marketing.

Sponsorship Opportunities:

PLATINUM SPONSOR

HATS, Golf Shirts or Coolers with you company logo Sign at Registration Table featuring Company Name and your company Logo, Hang your company banners, Listed on a sign on Beverage Cart, Listed in the Golf Flier received by players day of the tournament, Acknowledged as a Gold Level Sponsor in the Event Article printed by Trade Newspapers and The Plenum, Includes a Foursome in Golf Tournament

\$3000.00

- Hat Sponsor: Unifirst
- Shirt Sponsor:
- Dinner Sponsor:

> GOLD LEVEL SPONSOR

\$2500.00

• Sign at Registration Table featuring Company Name and your company Logo, Hang your company banners, Listed on a sign on Beverage Cart, Listed in the Golf Flier received by players day of the tournament, Acknowledged as a Gold Level Sponsor in the Event Article printed by Trade Newspapers and The Plenum, Includes a Foursome in Golf Tournament.

Lunch Sponsor

SILVER LEVEL SPONSOR -

\$2000.00

• Sign at Registration Table featuring Company Name and your company Logo, Acknowledged as a Silver Level Sponsor in the Event Article printed by Trade Newspapers and The Plenum, Listed in the Golf Flier received by players day of the tournament, Includes a Twosome in Golf Tournament.

> GOLF HOLE SPONSOR AND FOURSOME \$950.00

* GOLF HOLE SPONSOR----\$200.00 ea. 1'x3' sign on green and a commemorative token.

*** Package Deal-Get a Foursome, 4-Dinner tickets and a Hole Sponsorship for \$950.00 (you save \$50.00) *** DRINKS ON THE COURSE SPONSOR \$1500.00

RAFFLE PRIZE SPONSOR -\$ 1000.00 Johnstone Supply TROPHY SPONSOR-\$ 1000.00 ⊳ **TV Sponsor** \$ 700.00 \triangleright **BALL SPONSOR-**\$ 500.00 ≻ **REGISTRATION TABLE -**\$ 200.00 \triangleright GOLF HOLE SPONSOR -\$ 200.00 ea. MULLIGAN TABLE SPONSOR -\$ 200.00 **CONTEST SPONSOR -**\$ 250.00 each Longest Drive, Straightest Drive, Closest to Pin, "Includes Prize" (to be announced at time of give-away) RAFFLE PRIZE SPONSOR -**Prize Donation** GOODIE BAG SPONSOR -Items Donated for 130 Federated Insurance

SPONSORSHIP/VOLUNTEER

Company/Product Name:		Contact Person:	
PH #:	FAX#:	E-Mail:	
ADDRESS:	CITY/ST/ZI	[P:	
Please check one or both of the f	ollowing:		
I would like to volunteer to	1 0		
Volunteers will get free fo	ood/beverages and one Dini	ner ticket!	
Sponsor (type of sponsorsh	ip) choice #1		
If choice #1 already taken	choice #2		
Prize Donation. I would lil	ke to donate a prize(s) eithe	r for the raffle or Goodie Bag items.	These are the items I will be donating
Send check to: PO Box 3407 I	Lantana, Fl. 33465		
Contact Pam Ripple @ 561-585	5-3880 - fax to 561-585-3	3347 or e-mail pripple@pbacca.or	rg

Palm Beach Air Conditioning Contractors Association Presents

2023 Officer Installation, 9th Annual Toy Drive & Casino Night

Join us in welcoming our incoming slate of 2023 officers and to thank those who have served during 2022. Enjoy Dinner, Music by DJ Tango and have a chance to win many great raffle prizes

3rd Annual Casino Night Raffles, Re-Buys No Limit REGISTER NOW to reserve your spot at a table!



\$125 Buy In Donation Per Person

Includes \$300 in chips, dinner ticket, and 2 drink tickets light dinner and Board Installation 5:30pm Games Begin 6:30pm Thursday, December 1, 2022

> The Beach Club 1 7th Ave N Lake Worth Beach, Fl 33460

Raffles for many exciting prizes! 50/50 Raffle \$2/ticket

For Registration & Sponsorship Opportunities Email: pripple@pbacca.org

Or Call Pam Ripple561-585-3880

Palm Beach Air Conditioning Contractors Association Presents 2023 Officer Installation, 9th Annual Toy Drive & Casino Night

Join us in welcoming our incoming slate of 2023 officers and to thank Those who have served during 2022. Enjoy Dinner, Music by DJ Tango and have a chance To win many great raffle prizes

Eight (8) tickets

Buffet dinner

\$1,600 in chips

Event publicity

Two (2) tickets

Buffet dinner

\$400 in chips

Event publicity

Sign recognition

Game Table Sponsor \$1,500...2 available

Dice or DJ Sponsor \$500...5 available

Opportunity to display advertising at game table

3rd Annual Casino Night Raffles, Re-Buys No Limit **REGISTER NOW to reserve your spot at a table!**



Thursday, December 1, 2022 The Beach Club 1 7th Ave. N Lake Worth Beach, Fl 33460 Registration 5:30... Games begin at 6:30pm Sponsorship Opportunities

For more information, to purchase sponsorship packages or individual tickets (\$125), or to make a donation, contact Pam Ripple 561-585-3880 or complete and return the Registration Form to pripple@pbacca.org or fax to 561-585-3347

Event Sponsor \$2,500... 1 available

Ten	(10)	tickets	
	()		

- Banner and sign recognition at event entrance
- Buffet dinner н
- \$2,500 in chips
- Event publicity ı.

Deck of Cards Sponsor	\$1,0004 available
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- ı. Four (4) tickets
- Sign recognition
- τ. Buffet dinner
- \$800 in chips .
- Event publicity н.

Yes, I would like to be a Sponsor 3rd Annual Casino Night

\$2500 Event Sponsor	\$1500 Game Table Sponsor\$500 DJ Sponsor	•
\$1000 Deck of Cards Sponsor	\$ 500 Dice Sponsor	

I would like to Purchase individual tickets \$125 each includes 2 drink tickets dinner ticket and \$300 in chips

I would like to donate a Raffle prize. Item:

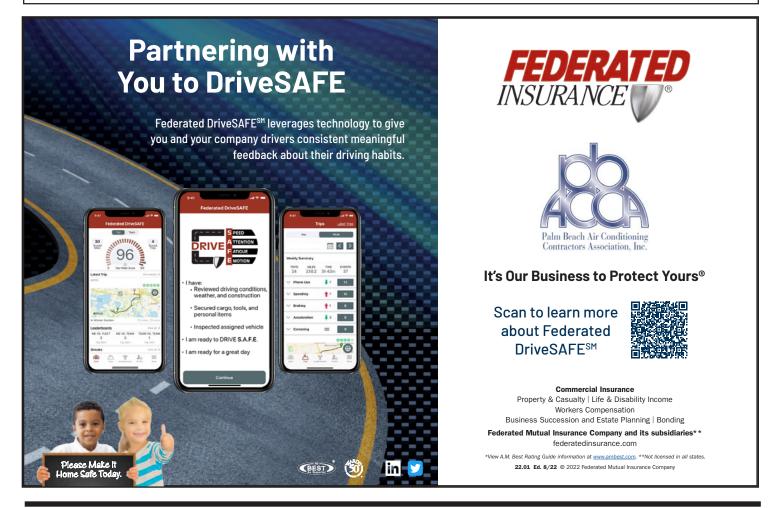
Company:	Address:		
City/ST/Zip:	Phone#:	E-Mail:	
For R	egistration & Sponsorship Opportunities	Email: pripple@pbacca.org	
	or Call Pam Ripple561-585-388	30 send check to:	
	PBACCA PO Box 3407 Lanta	ana, FL 33465	

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Insert a one page flyer into **The Plenum**. Advertisers may provide a colorful, eye catching, creative ad sheet for only \$200, a fraction of the cost of a full page ad in **The Plenum**. Inserts are the perfect solution for those companies that only want to advertise once or twice a year. You provide the ad and we do the rest.

For more information, call Pam Ripple with PBACCA at 561-585-3880.



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Company Nam	e				
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1/8 page	\$ 77.50	\$192.50	\$ 350.00	\$ 540.00	
¼ page	\$125.00	\$315.00	\$ 550.00	\$ 900.00	
½ page	\$200.00	\$500.00	\$ 850.00	\$1300.00	
Full Page	\$350.00	\$850.00	\$1450.00	\$2500.00	
Please sele run your ad invoiced qu	. Unless o arterly. M	therwise re Wail or fax PBA	-	our company tising Agre	will be



"BEAT THE HEAT" MEMBERSHIP SPECIAL

Until December 31, 2022: Join PBACCA now for 2022 Membership and receive 2023 FREE

PBACCA is looking for new contractor or associate members and is offering an attractive incentive to bring them in. PBACCA has launched a "Beat the Heat" membership discount campaign. Until December 31, 2022, the association is offering 2023 membership year FREE when you join as a 2022 member. You pay only the 2022 annual membership dues of \$300.00 (contractor) or \$350.00 (associate).

We know that there are hundreds of HVAC/R contractors in the Palm Beach County area, many of who already belong to our association. There are also many contractors who probably have thought about joining, but did not know if they would like it. This "Beat the Heat" membership discount allows you to try out the PBACCA membership...with all its benefits for a very small investment.

This offer is only available to first-time contractor/associate applicants and membership applications must be received by December 31, 2022. For additional membership information, call Pam Ripple at 561-585-3880. Or go to our web-site <u>www.pbacca.org</u>



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Glasfloss and Tropic Supply have made a \$6,000 donation to Susan G. Komen to provide financial assistance, education, and support services for underserved individuals who are actively undergoing breast cancer treatment. Help us raise awareness of this devastating disease by participating in our annual Breast Cancer Awareness SELFIE Contest.

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HOW TO ENTER



Purchase any two cases of Glasfloss filters on a single invoice and receive a FREE "BACK THE PINK" t-shirt (available at all 22 Tropic Supply resource centers starting October 1st, while supplies last) Take a SELFIE wearing your t-shirt while installing

- a Glasfloss filter
- Like the Tropic Supply FACEBOOK PAGE
- Email your SELFIE to Marketing@tropicsupply.com Include your name, company name and phone number.

One winner will be selected randomly from all entries received during each week. Drawings will be held on October 10, 17, 24 and 31. Winners will be contacted via phone the same day and the prizes will be mailed immediately. Submission of your selfie gives Tropic Supply consent to post your picture to the Company's social media sites.

ASK YOUR COUNTER SALES PROFESSIONAL FOR MORE INFORMATION.

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Palm Beach Air Conditioning Contractors Association, Inc.

2022 CALENDAR of EVENTS

- Oct 6 General Meeting 5:30 p.m.- The Beach Club One 7th Ave. North, Lake Worth, FL 8th Annual Food Drive
- Nov 3 Board Meeting 4:30 p.m.- Via Zoom
- Nov 18 **20th Annual Golf Tournament** Wellington National Golf Club 400 Binks Drive Wellington, FL 33414
- Dec 1 **General Meeting** 5:30 p.m.-**The Beach Club** One 7th Ave. North, Lake Worth, FL 3rd Annual Casino Night & 9th Annual Toy Drive 2023 Board Installation
- Jan 5 Board Meeting 4:30 p.m.- Via Zoom
- Feb 1 General Meeting 5:30 p.m.- The Beach Club One 7th Ave. North, Lake Worth, FL
- Feb 18 Sport Clay Shooting 8am shotgun start OK Corral Gun Club 9449 NE 48th St. Okeechobee, Fl 34972

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game, his wife asked what was wrong.

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ANNUAL SILVER SPONSORS



CONTRACTOR SPONSORS



Palm Beach Air Conditioning Contractors Association PO Box 3407 Lantana, FL 33465 561-585-3880

Become Certified

PBACCA will provide a proctor upon request for onsite testing.

The E.P.A. has established a Mandatory Technician Certification Program. Technicians are required to become certified under the mandatory program. Under the final E.P.A. rule, the sale of refrigerant will be restricted to certified technicians.

For more information on EPA testing call Pam at 561-585-3880.

OUR MISSION: To assist and better enable PBACCA members to acquire, serve and satisfy their customers.

Apprenticeship Corner

Need Qualified Technicians?

The next time you have an opening for a technician, call the local Apprenticeship office at 561-262-7523. They can help you find a qualified apprentice to hire and enroll in the local PBACCA sponsored Apprenticeship Program offered at Palm Beach Community College. You'll be sure your employee is being taught the right skills and acquiring the training to become a productive journey man.

> Another way PBACCA serves you!