



OCTOBER - VOLUME LVI ISSUE 02

# THERMOGRAM

**MAIN MEETING: ASHRAE 62.1 IAQ PROCEDURE**

**VIRTUAL TECH SESSION: BUILDING ENVELOPE & HVAC**

## ASHRAE Meeting Details:

October 5, 2023

Lunch Virtual Meeting: 12:00 - 1:30pm

Networking Hour: 5:00 - 6:30 pm

Main Dinner Meeting: 6:30 - 8:00 pm

Registration for virtual tech session only is free for members, \$10 for non-members.

Dinner meeting is \$35 for members, \$45 for non-members, registration includes virtual tech session.

## **Tech Session: Building Envelope and the Impact on Your HVAC System**

**Speaker: Tony Furst - MSED, CPD, LEED AP - Armstrong Fluid Technology**

HVAC systems are systematically designed to meet a very well-defined set of criteria. The building envelope has a dramatic impact on the load imposed on your HVAC system. However, if the envelope is not designed and installed properly your HVAC system and energy bills will suffer significantly. During this webinar we will discuss how the building envelope impacts your HVAC system and what can be done to offset the impacts.

## **Main Meeting: How to Implement ASHRAE 62.1 - Indoor Air Quality Procedure**

**Speaker: Anurag Goel, Director of Sales & Application Engineering, enVerid**

The Indoor Air Quality Procedure (IAQP) has a long history going back to ASHRAE Standard 62.1 1981 version. It is a performance-based approach that allows the designer to take credit of source control, air cleaning, and dilution to determine the needed mechanical ventilation rates to keep the design compounds below their established targets. Recently the procedure was updated to remove the barriers to adoption of the IAQP. This seminar describes the history, updates, and two case studies describing how to apply the IAQP procedure to achieve both energy efficiency and acceptable IAQ. This session will also include information on ASHRAE 241 and how it impacts minimum ventilation rates and filtration requirements.

## 2023-2024 Chapter Leadership Roster

### Board of Governors

	<b>President</b> Terry Schroeder	president@ashrae-balto.org, P: 443.224.1594  WRA		<b>Governor/Asst. Secretary</b> Rob Broczkowski	asstsecretary@ashrae-balto.org, P: 571.318.7310  ETC
	<b>President-Elect</b> Kevin Lindemann	vp@ashrae-balto.org, P: 410.561.1655  Chesapeake Systems		<b>Governor</b> Luis Belisario	gov2@ashrae-balto.org, P: 410.807.8279  Prime AE
	<b>Treasurer</b> Kaylee Haupt	treasurer@ashrae-balto.org, P: 443.789.0188  Baltimore County Public Schools		<b>Senior Advisor</b> Sam Philipp	senioradvisor@ashrae-balt.org, P: 410.316.2485  JMT
	<b>Secretary</b> Simona Georgiev	secretary@ashrae-balto.org, P: 410.316.2263  JMT		<b>Past President</b> Nancy Neely	pastpresident@ashrae-balto.org, P: 410.746.4168  Johnson Controls

### Committee Chairs

Attendance/Recpt. Co-Chair: Elyas Khan, JCI reservations@ashrae-balto.org	Government Affairs: Tyler Brown, ATS gga@ashrae-balto.org	Research Promotion Co-Chair: Joe Petty, ATS research@ashrae-balto.org
Attendance/Recpt. Co-Chair: Tim Scheck, C-W reservations@ashrae-balto.org	Golf Outing: Tyler Lee, Chesapeake Systems golf@ashrae-balto.org	Scholarships: Hailey Brennan, Spectrum Energy scholarship@ashrae-balto.org
Christmas Party: Wade Myers, JMT christmas@ashrae-balto.org	Historian: Jennifer Leach, BR+A historian@ashrae-balto.org	Student Activities: Abe Undieh, Chesapeake Systems studentacts@ashrae-balto.org
Chapter Programs: Kevin Lindemann, Chesapeake Systems programs@ashrae-balto.org	Historian Co-Chair: Terry Schroeder, WRA historian@ashrae-balto.org	Thermogram: Terry Schroeder, WRA newsletter@ashrae-balto.org
CTA (Tech Awards): Kevin Lindemann, Chesapeake Systems cta@ashrae-balto.org	Membership: Rich Girard, RMF membership@ashrae-balto.org	Young Engineers: Co-Chair: Matt Francis, ATS yea@ashrae-balto.org
Diversity in ASHRAE Co-Chair: Patrick Harrilal, JMT dia@ashrae-balto.org	Membership Co-Chair: Ben Joel, WSP membership@ashrae-balto.org	Young Engineers Co-Chair: Matt Hart, ATS yea@ashrae-balto.org
DIA Co-Chair: Ashleigh Newman, The Morin Company dia@ashrae-balto.org	Refrigeration: Jon Olmstead, Hobbs & Associates refrigeration@ashrae-balto.org	Web Technicians: Vikas Kiran, Prime AE Maggie Palacz, Schneider Electric ashtech@ashrae-balto.org
Engineers Week: Nick Spicher, Chesapeake Systems engweek@ashrae-balto.org	Research Promotion Co-Chair: Michael Poe, Legacy Engineering Group research@ashrae-balto.org	Women in ASHRAE: Nicole Harshbarger, Schneider Electric wia@ashrae-balto.org

# PRESIDENT'S PEN

Hello!

Thanks to everyone who joined us last month at Tiki Lee's, it was a great event as always, and the weather cooperated with us for most of the night. We have a few more upcoming social events, see the rest of the newsletter for more information!

This month we are back at the Engineer's Club for our main meeting, and luckily we won't have to contend with any local baseball playoff games thanks to the Orioles' #1 finish in the AL East! We'll be highlighting Research Promotion (RP) at the meeting and recognizing all of our amazing donors from last year.

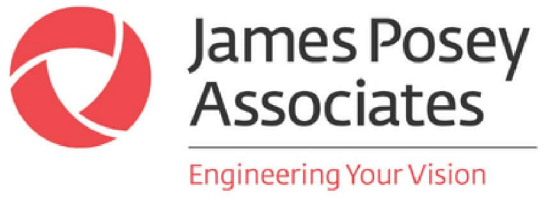
I'd also like to give a huge thanks to our 2023-2024 sponsors. We could not bring you our monthly meetings and other special events without their support!

A handwritten signature in blue ink that reads "Terry Schroeder". The signature is written in a cursive, flowing style.

Terry Schroeder  
ASHRAE President

# 23-24 CHAPTER SPONSORS

## RAVEN SPONSORS



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# MEETING SCHEDULE

September 7, 2023	Tiki Lee's Social
October 5, 2023 @ESB	Tech: Building Envelope and HVAC Main: ASHRAE 62.1 IAQ Procedure Research Promotion Night
November 1, 2023 @ESB	Tech: Net Zero Carbon Design & Performance Main: Radiant & Hydronics for Decarb Membership Promotion Night
December @Timonium Fairgrounds	73rd Annual Christmas Party!
January 4, 2024 @ESB	Tech: Reducing Airborne Particulates Main: Standard 170 - Healthcare Ventilation
February 1, 2024 @TBD	Refrigeration Night - TBD
March 7, 2024 @ESB	TBD
April 4, 2024 @ESB	TBD
May 2, 2024 @ESB	TBD

# UPCOMING EVENTS

DEI & WIA ARE HOSTING

## HAPPY HOUR & HEADSHOTS



### DIAMONDBACK BREWEY

OCTOBER 19TH AT 1215 E. FORT AVE. BALTIMORE, MD 21230

\$25 PER TICKET INCLUDES THE FOLLOWING:

PROFESSIONAL PHOTO: 5:00PM - 7:00PM

FOOD & DRINKS: 5:00PM - 8:00PM

[WWW.ASHRAE-BALTO.ORG](http://WWW.ASHRAE-BALTO.ORG)

# UPCOMING EVENTS

## 11th ANNUAL ROCKFISH TOURNAMENT



We are pleased to announce the 11th annual rockfish tournament! All proceeds go to ASHRAE research and promotion. Registration form on the following page or go to <https://ashrae-balto.org/meetinginfo.php?id=107>

### DETAILS

Boats will be leaving and returning from Happy Harbor Marina. The weigh-in will begin at 1:00 PM and all boats must be present at the marina by 1:00 PM in order to qualify for prizes. Lunch will be provided at Happy Harbor Restaurant located at the marina and will be buffet style with beverages provided. Coffee and donuts will be provided in the morning. Individual boats will be responsible for any food and beverages they want to bring with them on the water.

### SCHEDULE

Date: Monday, November 13th 2023

Breakfast/Registration: 5:00-5:30am

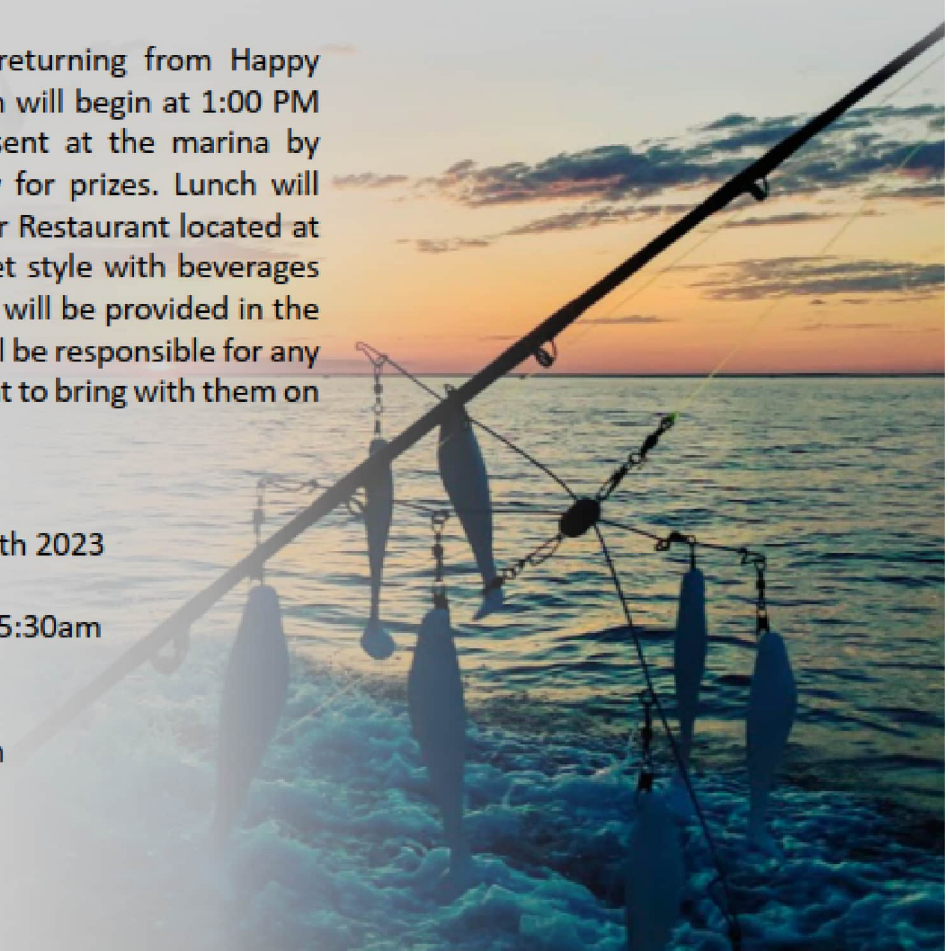
Boats Depart: 5:30am

Boats Return: 12:30pm

Awards Lunch: 12:30-2:30pm

### LOCATION

Happy Harbor Marina  
533 Deale Road  
Deale, MD 20751



# UPCOMING EVENTS

## Registration Form

**Company/Individual:** \_\_\_\_\_

<b>Participation</b>	<b>Qty</b>	
6 Person Boat Sponsor:	_____	\$1,400 / boat (Incl. a minimum ASHRAE RP Donation of \$400)
9 Person Boat Sponsor:	_____	\$1,900 / boat (Incl. a minimum ASHRAE RP Donation of \$550)
12 Person Boat Sponsor:	_____	\$2,400 / boat (Incl. a minimum ASHRAE RP Donation of \$750)
Regular Individual:	_____	\$200 / person
YEA Individual:	_____	\$125 / person

Limit one boat per company until 10/16. Then additional boat(s) can be purchased if available

### Sponsorship

Breakfast Sponsor:	(\$100)
Lunch Sponsor:	(\$500)
Bar Sponsor:	(\$400)
Awards Sponsor:	(\$200)

Please return form to [research@ashrae-balto.org](mailto:research@ashrae-balto.org) or email with any questions.

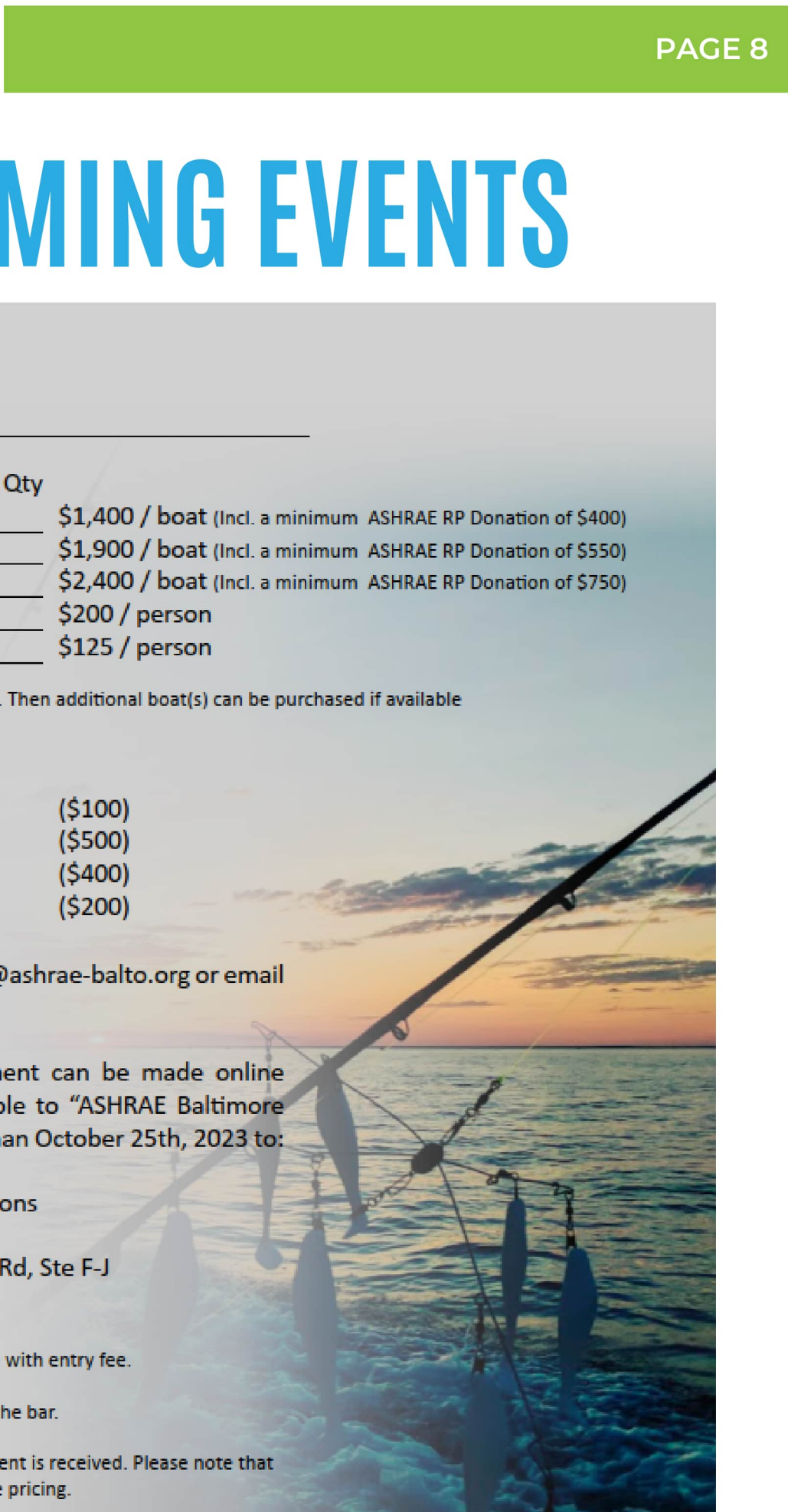
When form is returned, payment can be made online or checks can be made payable to "ASHRAE Baltimore Chapter" and mailed no later than October 25th, 2023 to:

Advanced Thermal Solutions  
 Attn: Joe Petty  
 601 N. Hammonds Ferry Rd, Ste F-J  
 Linthicum, MD 21090

Additional donations to RP can be made with entry fee.

Sponsorships include a sign at lunch or the bar.

Entries will be reserved once final payment is received. Please note that tips for the first mate are included in the pricing.



# GRANT OPPORTUNITY

## **Decarbonization Challenge: Apply by November 30th!**

This is a year-long competitive grant (\$1,000 - \$10,000) program to implement decarbonization projects within local chapters. The intent is to provide funds to encourage and demonstrate building decarbonization at the Chapter level which will be financially supported by Society. Application closes November 30th!

>> Apply & learn more at [ashrae.org/decarbchallenge](https://ashrae.org/decarbchallenge).

Questions? Attend the Upcoming Webinar For Answers!  
October 12, 2023 at 9am EST

This webinar will begin with a brief summary of the Decarb Challenge Fund, and then walk through an in-depth explanation of the application, review, award, and implementation of the Challenge Fund. The meeting will also be recorded for applicants who are not able to attend.

If you would like to attend, please complete the registration form at <https://tinyurl.com/yc22m7jc>

Questions can be sent to [youngengineers@ashrae.org](mailto:youngengineers@ashrae.org).



# BALMER DIRECTORY

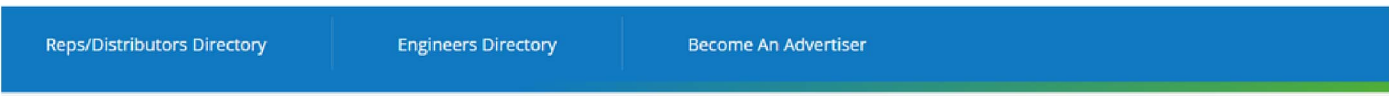
Are you looking for a local manufacturer’s rep that sells a specific product? Maybe you are looking for an engineering firm to partner with? If so, check out [www.ashrae-balmer.org](http://www.ashrae-balmer.org)!

Baltimore ASHRAE is thrilled to provide BALMER - the Baltimore Area List of Mechanical Engineering Resources - a website dedicated to advertising local equipment representatives and engineering firms to make it easier to find products, reps, engineers, and their contact information.

If you are interested in listing your firm, please head to the site and click on the “Become an Advertiser” link in the main navigation bar. Rates are:

**\$500/year for Reps/Distributors**  
**\$250/year for Engineering Firms**

All content on BALMER is self-managed, and your renewal period starts on the day you register. Please reach out if you have questions! [president@ashrae-balto.org](mailto:president@ashrae-balto.org).



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