



FEBRUARY - VOLUME LVI ISSUE 06

THERMOGRAM

MAIN MEETING: REFRIGERATION TOUR
VIRTUAL TECH SESSION: R410A PHASEOUT -
TRANSITION TO LOW GWP REFRIGERANTS

ASHRAE Meeting Details:

February 1, 2024 - Thursday
Lunch Virtual Meeting: 12:00 - 1:30pm
Refrigeration Tour: 5:00 - 7:30 pm

Registration for virtual tech session only is free for members, \$10 for non-members.
Tour is \$35 for members and non-members, and registration includes virtual tech session.

Tech Session: R410A Phaseout - Transition to Low GWP Refrigerants

Speaker: Tony Mormino - Technical Sales & Marketing Director - Insight Partners

Over the next 2 years, Federal and State requirements for phaseout of refrigerant R410A will take effect. Join us to learn about what equipment will be affected and when, and what alternatives exist for R410A that will meet new global warming potential (GWP) limits.

Main Meeting:

Join us for heavy hors d'oeuvres, drinks, and tours of the brewing operations at Liquidity Aleworks at 8 N Main St in Mt Airy.

We will be holding a Membership Promotion raffle at Liquidity! Bring a colleague who isn't a member, and if they sign up to join ASHRAE that night both of you will be entered into a drawing for a Visa gift card!



2023-2024 Chapter Leadership Roster

Board of Governors

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

We had two well-paired sessions in January on designing for Infectious Aerosol Control. Thanks again to our speakers, Ben Arikpo and Dr. Brendon Burley. Both speakers have graciously offered copies of their presentations - please email Kevin at vp@ashrae-balto.org if you are interested.

February's meeting will be our yearly Refrigeration Tour, this year at Liquidity Aleworks, which is owned by a former ASHRAE member! Make sure to bring someone who's been wanting to join ASHRAE so you can enter our Membership Promotion gift card raffle!

Maryland's Building Energy Performance Standards (BEPS) are one step closer to reality. See page 7 for more information on pending legislation - comments are due by January 18th!

Scholarship Applications are due February 23rd! See page 8 for more information - we have money to give away, please encourage any engineering students you know to apply!


Terry Schroeder
ASHRAE President



**2024 ASHRAE
WINTER CONFERENCE**

CHICAGO, JAN 20-24 | AHR EXPO, JAN 22-24



23-24 CHAPTER SPONSORS

RAVEN SPONSORS



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BAUMGARTNER, INC.

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 1, 2023 @Timonium Fairgrounds	73rd Annual Christmas Party!
January 4, 2024 @ESB	Tech: Reducing Airborne Particulates Main: Standard 170 - Healthcare Ventilation
February 1, 2024 @TBD	Tech: Refrigerant Phasedown Main: Refrigeration Tour, Liquidity Alehouse
March 7, 2024 @ESB	Tech: TBD Main: Inflation Reduction Act and Tax Credits for Thermal Storage
April 4, 2024 @ESB	Tech: TBD Main: Maryland Building Energy Performance Standards Update
May 2, 2024 @ESB	TBD

UPCOMING EVENTS

DISCOVER ENGINEERS WEEK FEB 16-23, 2024

ASHRAE Program at ESB - Green Technology
Tuesday 2/20
10:00am - 1:30pm

Volunteers needed!

Contact Nick Spicher, engweek@ashrae-balto.org

We will be presenting an interactive program & luncheon for High School Students & Advisors to meet with engineers, discuss career opportunities & complete a design challenge using green building technology. Students will gain valuable insights into the daily activities of engineers and engage in hands-on activities designed to explore engineering principles and the exciting world of green technology.

LEGISLATIVE UPDATES

In case you haven't seen it, the December 15, 2023 issue of the Maryland Register contains the proposed language for the Building Energy Performance Standards (BEPS). A hearing will take place on January 18th at 10:00 am, which you can join virtually here:

<https://meet.goto.com/696708285>

You can also dial in using your phone.

Access Code: 696-708-285

United States (Toll Free): 1 866 899 4679

Comments on the legislation will only be accepted until 5 pm on January 18th, so be sure to check it out and make your voice heard!

MD CLEAN BUILDINGS HUB

The Maryland Energy Administration (MEA) is launching the Maryland Clean Buildings Hub that will serve as a clearinghouse of relevant information and resources to help Building Owners achieve Maryland's climate goals. They are asking for help from Building Owners, Managers, and Operators to inform development of the Hub - please take a few minutes to answer their 1-page survey using [this Google Docs form](#).

If you'd like to receive communications from the Clean Buildings Hub, you can [sign up using the form here](#).

SCHOLARSHIPS



**2023-2024
Scholarship**

**Multiple Winners:
\$750-\$2500**

**Applications Accepted
Until - February 23, 2024**

Questions? Email Us!
scholarship@ashrae-balto.org

SCHOLARSHIPS

Scholarship applications are available online at
www.ashrae-balto.org/scholarship

Evaluation Criteria:

1. Applicant is pursuing a career in an ASHRAE-related engineering field.
2. Applicant is enrolled in an ABET-accredited college program (or a program pre-approved by the Baltimore Chapter Board).
3. Applicant is residing in, or moving to, the Baltimore Chapter assigned area as a permanent resident.
4. Applicant has high scholastic standing or grade average from the previous academic year.
5. Applicant demonstrates financial need.
6. Applicant is currently working in the HVAC&R industry.
7. Applicant is a direct relative of an ASHRAE Baltimore Chapter member.
8. Applicant is a veteran with an Honorable Discharge or member of the United States Armed Services.
9. Applicant is a member of the Black, Indigenous, and People of Color (BIPOC) community.

Items 1-3 are required. Items 4-9 provide additional weight to the final consideration for awards.



TECHNOLOGY AWARDS

GET RECOGNIZED!

Do you have an innovative project that has been in operation for at least 1 year? Apply for the Chapter Technology Award! Technology Award winners at the Chapter level will go on to compete at the Regional Level, and those winners will move on to the Society level competition.

Awards are given in 6 categories:

- Commercial Buildings
- Institutional Buildings
- Health Care Facilities
- Industrial Facilities/Processes
- Public Assembly
- Residential



Awards are great for marketing and recognition, and there is no fee to apply!

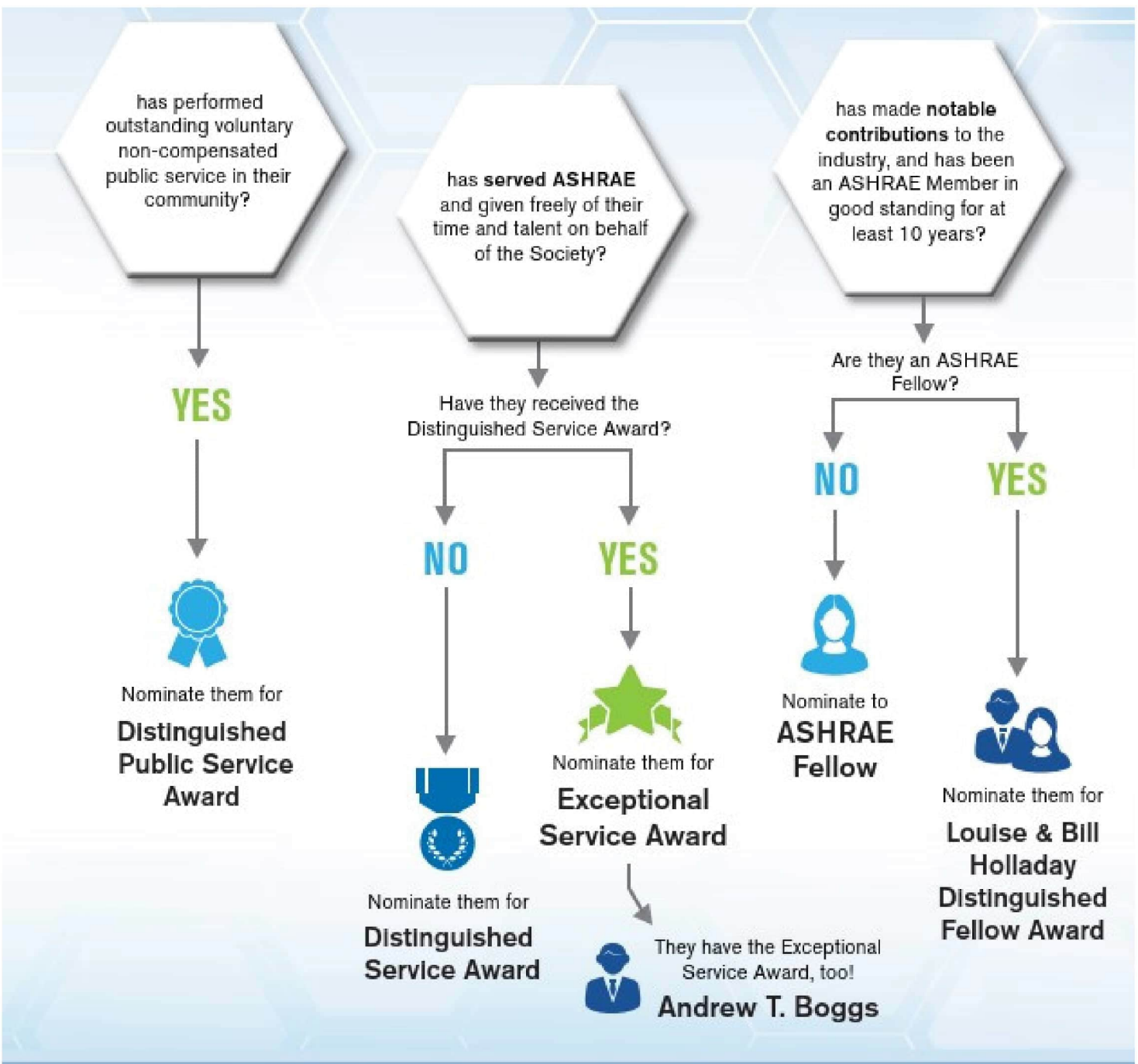
For additional information
and application visit



www.ashrae-balto.org/CTA

MEMBER AWARDS

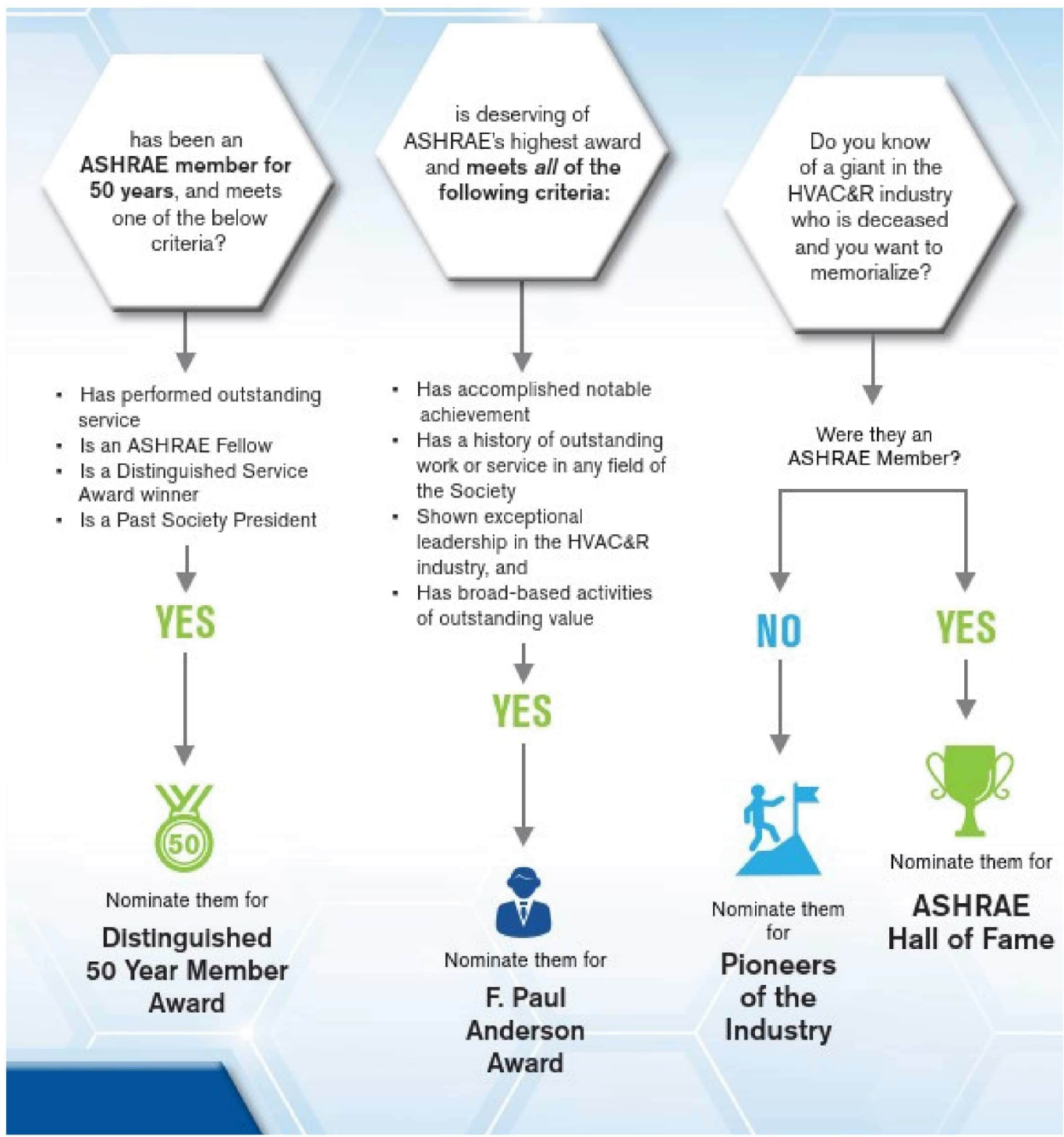
Do you know an ASHRAE member who...



Learn more and nominate someone today at ashrae.org/honorsandawards

MEMBER AWARDS

Do you know an ASHRAE member who...



BALMER DIRECTORY

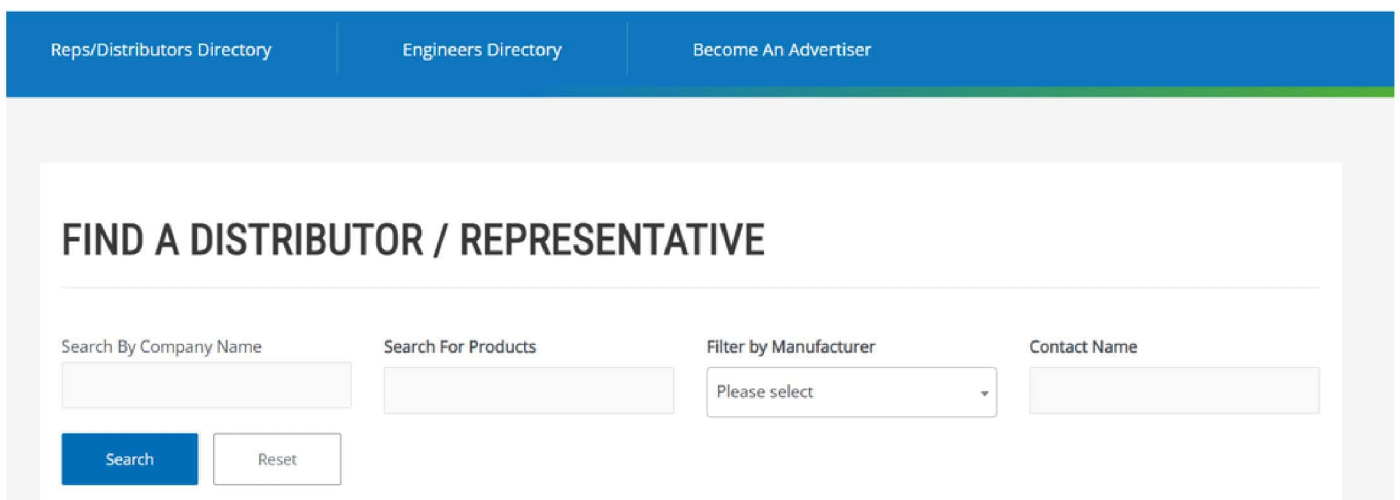
Are you looking for a local manufacturer's rep that sells a specific product? Maybe you are looking for an engineering firm to partner with? If so, check out www.ashrae-balmer.org!

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.



The screenshot shows the top navigation bar with three links: "Reps/Distributors Directory", "Engineers Directory", and "Become An Advertiser". Below the navigation bar is a search interface titled "FIND A DISTRIBUTOR / REPRESENTATIVE". The search interface includes four input fields: "Search By Company Name", "Search For Products", "Filter by Manufacturer" (with a dropdown menu showing "Please select"), and "Contact Name". There are two buttons: a blue "Search" button and a white "Reset" button.