



NOVEMBER - VOLUME LVIII ISSUE 03

# THERMOGRAM

**Thursday, November 6, 2025**

**Virtual Lunch Meeting:**

Tech Session (Webex): 12:00-1:30 PM

**Main Dinner Meeting:**

Networking Hour (ESB): 5:00-6:30 PM

Dinner (ESB): 6:30-7:00 PM

Main Speaker: 7:00-8:15 PM

**Tech Session: Current Motor Technologies and Their Impact on VFD Selections**

**Speaker: Ron Heymann**

A review of motor technologies used in HVACR applications today including efficiencies, construction characteristics, standards, benefits, and limitations. In addition, we will cover the impact of different motor technologies on your VFD selection including configuration, installation, and harmonic mitigation.

**Main meeting: Chiller Plant Optimization**

**Speaker: Mark Benevides**

The presentation will focus on chiller plant optimization with an emphasis on emerging technologies such as side stream precipitators, AI Machine learning and Optimization Smart Services to further enhance plant optimization and ensure the plant operates optimality for years and years to come.

## 2025-2026 Chapter Leadership Roster

### Board of Governors

	President <b>Kaylee Haupt</b>	president@ashrae-balto.org, P: 443.789.0188  Carroll County		Governor/Asst. Secretary <b>Mike Poe</b>	asstsecretary@ashrae-balto.org, P: 410.302.1280  Legacy Engineering
	President-Elect <b>Simona Georgiev</b>	vp@ashrae-balto.org, P: 410.316.2263  JMT		Governor <b>Tim Scheck</b>	gov2@ashrae-balto.org, P: 240.542.5582  Cummins-Wagner
	Treasurer <b>Rob Broczkowski</b>	treasurer@ashrae-balto.org, P: 410.316.2263  ETC		Senior Advisor <b>Nancy Neely</b>	senioradvisor@ashrae-balt.org, P: 410.746.4168  Johnson Controls
	Secretary <b>Luis Belisario</b>	secretary@ashrae-balto.org, P: 410.807.8279  Prime AE		Past President <b>Kevin Lindemann</b>	pastpresident@ashrae-balto.org, P: 410.790.7854  Chesapeake Systems

### Committee Chairs

Attendance/Recpt. Co-Chair: Vikas Kiran, PrimeAE reservations@ashrae-balto.org	Government Affairs: Tyler Brown, ATS gga@ashrae-balto.org	Research Promotion Co-Chair: Kevin Ricart, SmithGroup research@ashrae-balto.org
Attendance/Recpt. Co-Chair: Eric Almon, DMR 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: Abe Undieh Chesapeake Systems historian@ashrae-balto.org	Student Activities: Abe Undieh Chesapeake Systems studentacts@ashrae-balto.org
Chapter Programs: Simona Georgiev, JMT programs@ashrae-balto.org	Historian Co-Chair: <b>TBD</b> historian@ashrae-balto.org	Thermogram: Kaylee Haupt, Carroll County Chesapeake Systems newsletter@ashrae-balto.org
CTA (Tech Awards): Simona Georgiev, JMT cta@ashrae-balto.org	Membership: Ben Joel, WSP membership@ashrae-balto.org	Young Engineers Chair: Nancy Neely, JCI yea@ashrae-balto.org
Diversity in ASHRAE Co-Chair: Jenn Leach, BR+A dia@ashrae-balto.org	Membership Co-Chair: Elyas Khan, JCI membership@ashrae-balto.org	Young Engineers Co-Chair: Elyas Khan, JCI yea@ashrae-balto.org
DIA Co-Chair: Terry Schroeder, WRA dia@ashrae-balto.org	Refrigeration: Jon Olmstead, Hobbs & Associates refrigeration@ashrae-balto.org	Webmaster: Julian Chiveral, CMTA ashtech@ashrae-balto.org
Engineers Week: <b>TBD</b> engweek@ashrae-balto.org	Research Promotion Co-Chair: Dave Handzo, UEP research@ashrae-balto.org	Women in ASHRAE: Natasha Murray, WSP wia@ashrae-balto.org

# PRESIDENT'S PEN

We had a great turnout for our first ESB meeting in October and I was excited to see so many familiar faces as well as new faces!

We have some fun events coming for the end of this year! Monday, November 3<sup>rd</sup> is our annual fishing trip and the 75<sup>th</sup> Annual Christmas Party is Friday, December 5<sup>th</sup> and tickets are now available.

Our technical session for November will concentrate on motor technologies and their impact on VFD selections while our main speaker will be teaching us about chiller plant optimization.

Finally, take a peek on Page 10 for a Government Affairs update, which I hope to make a habit in upcoming Thermograms.

Hope to see you all at our meeting in a couple of weeks.

Kaylee Haupt  
ASHRAE Baltimore President



2026 ASHRAE WINTER CONFERENCE  
JANUARY 31 - FEBRUARY 4, 2026 | LAS VEGAS, NV

# MEETING SCHEDULE

<p>Main: September 4, 2025 Tech: September 16, 2025</p>	<p>Tech: Airflow Measurement for High Performance Buildings Main: Tiki Lee's Social</p>
<p>October 2, 2025 @ESB</p>	<p>Tech: Airflow Management Best Practices for Data Centers Main: Electrification Incentives: Navigating Opportunities and Challenges</p>
<p>November 6, 2025 @ESB</p>	<p>Tech: Current Motor Technologies and Their Impact on VFD Selections Main: Chiller Plant Optimization</p>
<p>December 5, 2025 @Timonium Fairgrounds</p>	<p>75th Annual Christmas Party!</p>
<p>January 8, 2026 @ESB</p>	<p>Tech: Sizing and Selecting Actuators for Control Damper Main: Shaping Up a Building Modernization – Finding the Right Upgrades for a Unique Building</p>
<p>TBD</p>	<p>Tech: TBD Main: Refrigeration Tour, TBD</p>
<p>March 5, 2026 @ESB</p>	<p>Tech: Combustion Air for Mechanical Rooms Main: TBD</p>
<p>April 2, 2026 @ESB</p>	<p>Tech: Motor TBD Main: TBD</p>
<p>May 7, 2026 @ESB</p>	<p>Tech: TBD Main: TBD</p>

# 2025-2026 SPONSORS

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# UPCOMING EVENTS

ASHRAE Baltimore's  
75th Annual

## CHRISTMAS *Party*

CASH BAR (LIQUOR / WINE) & GAMES  
RAISING MONEY FOR LOCAL FAMILIES IN NEED

SILENT AUCTION  
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[www.repordermanagement.com](http://www.repordermanagement.com)

**FRIDAY DECEMBER 5TH**

**5 PM - 9PM**

**4H BUILDING, MD STATE FAIRGROUNDS**

**\$65/PERSON | \$650 FOR A TABLE OF 10**  
**TICKET INCLUDES FOOD, BEER, AND NON-ALCOHOLIC DRINKS**

[www.ashrae-balto.org/christmas](http://www.ashrae-balto.org/christmas)

# 2025-26 SCHOLARSHIP

**MULTIPLE WINNERS: \$750-\$1500!**



**Applications accepted until March 31st, 2026**  
**Questions? Email us at [scholarship@ashrae-balto.org](mailto:scholarship@ashrae-balto.org)**



## ASHRAE TECHNOLOGY AWARDS

# GET RECOGNIZED!

Have an innovative project that has been in operation for 1 year? Apply for the Chapter Technology Award!

Awards are given in 6 categories:

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

For additional information  
and application visit



[www.ashrae-balto.org/CTA](http://www.ashrae-balto.org/CTA)

# LOCAL NEEDS

Loyola University Maryland in Baltimore is seeking an engineer who would be interested in teaching their undergraduate Thermodynamics course during the upcoming spring semester. An MS or PhD in mechanical or a related engineering discipline is preferred, but a PE licensure is accepted as an equivalent level of experience. In-person instruction is preferred, but days/time are flexible for those with full-time jobs, and virtual instruction could be discussed/negotiated. The instructor would receive access to all existing course materials from previous years to aide in course preparation. Interested candidates can apply here:

[Affiliate Instructor in Engineering - Loyola University Maryland](#)



**LOYOLA**  
UNIVERSITY MARYLAND

# GOVERNMENT AFFAIRS

## FEDERAL GOVERNMENT AFFAIRS

### DOE Cancels Energy Projects

On October 2, the Department of Energy (DOE) cancelled roughly \$7.6 billion in funding predominantly for energy projects in states represented by Democrats in the Senate. Affected states include Connecticut, California, Colorado, Delaware, Hawaii, Illinois, Maryland, Massachusetts, Minnesota, New Hampshire, New Jersey, New Mexico, New York, Oregon, Vermont, and Washington. The cancellations would also affect 136 congressional districts, including 108 held by Democrats and 28 held by Republicans. However, DOE may cancel additional grants. An [unconfirmed list](#) includes the already-terminated grants with roughly 300 more, including some in Republican-led states and districts. These grants were funded under regular appropriations, the Bipartisan Infrastructure Law (BIL), and the Inflation Reduction Act (IRA). The \$2.8 million Resilient and Efficient Codes Implementation (RECI) grant ASHRAE secured is also included in this list. DOE has not made a final decision on which projects from this list will be terminated.

## STATE AND LOCAL GOVERNMENT AFFAIRS

### Maryland Announces Electrifying Community Buildings Grant Program

The Maryland Energy Administration [announced that funding is available](#) for the Electrifying Community Buildings Grant Program, which is focused on connecting community-serving buildings with funding to facilitate electrification of building systems, energy efficiency and weatherization upgrades, and reducing greenhouse gas emissions. Community-serving buildings that qualify include hospitals, private schools, museums, and houses of worship. Approximately \$6.8 million is expected to be available from this program for FY 2026; grant applications are due by December 31.

## OTHER NEWS AND EVENTS

### ASHRAE's Leadership in Bridging Decarbonization and Health in Built Environment Highlighted

ASHRAE President Bill McQuade's comments at the International WELL Building Institute's Healthy Building Policy Summit were recently featured in [national coverage](#) of the event. Addressing the competing priorities inherent in improving building health while decarbonizing, McQuade said "there's no reason that both can't be done simultaneously" and shared ASHRAE resources to help building operators achieve that goal. Demonstrating ASHRAE's leadership, President McQuade highlighted ASHRAE Standards 62.1 and 62.2, [Standards for Ventilation and Indoor Air Quality](#) and guidance for building operators and maintenance staff to ensure the best possible outcomes but also noted that only one state fully uses them in their building codes.