



www.ashrae-balto.org

THERMOGRAM

November 2016
Volume LI Issue 04

Main Meeting: Hybrid Microgrids
Tech Session: Commercial Upgrades to
Performance Ratings of Unitary Equipment

ASHRAE November 10th MEETING:

Tech Session: 5:00 pm – 5:45 pm
Network Hour: 5:30 pm – 6:30 pm

Dinner: 6:30 pm – 7:00 pm
Main Speaker: 7:00 pm – 8:15 pm

Main Meeting: Hybrid Microgrids: The Time is Now!

Speaker: Scott Schmitz, Alban Cat Power Systems

A microgrid is a localized grouping of electricity sources and loads that normally operates connected to and synchronous with the traditional centralized grid (macrogrid), but can disconnect and function autonomously as physical and/or economic conditions dictate.

This presentation will focus on the aspects of microgrids and the emerging trend of combining cost-effective renewable energy from wind or solar sources with conventional diesel- or gas-fueled generation. These installations, called hybrid microgrids, also employ energy storage to add power system stability and enable further energy cost reduction.

Tech Session: Updates to Performance Ratings of Commercial Unitary Equipment *Recent Changes to the MRE&MRC Efficiency Standard and ANSI/AHRI 340/360 Standard*

Speaker: Joe Ellison, Modine Manufacturing

This presentation will include a short overview of the MRE & MRC Efficiency Standard and ANSI/AHRI 340/360 Standard, as well as recent updates.

Joe Ellison works as the Engineered Products Manager for the Buildings HVAC Group of Modine Manufacturing based in Racine, Wisconsin. Joe has been with Modine for 11 years in a variety of roles in commercial building applications. This year Modine celebrated 100 years, and Joe supported the Modine Innovation Tour which has traveled the country since February 2016. Joe received a degree in Industrial Engineering from Lehigh University in Pennsylvania.



The November meeting will take place at the Engineers Club.
11 West Mount Vernon Place Baltimore, MD 21201

2016-2017 Chapter Leadership Roster

Officers

President P:410-316-7800	Dave Reese president@ashrae-balto.org	KCI Technologies
President-Elect P:410-323-0600	Craig Parks vp@ashrae-balto.org	BKM
Treasurer P:410-880-0850 x123	Brad Watkins treasurer@ashrae-balto.org	Cummins-Wagner
Secretary P:410-329-8100	Steph Kunkel secretary@ashrae-balto.org	JMT
Board Member P:410-793-0202	James Cote asstsecretary@ashrae-balto.org	United Energy Products
Board Member P:443-561-1652	Jeff Shook gov2@ashrae-balto.org	Chesapeake Systems
Board Member P:443-977-9741	Sherry Abbott-Adkins senioradvisor@ashrae-balt.org	A Squared Plus Engineering
Past-President P:410-303-3125	Adam Fauer pastpresident@ashrae-balto.org	

Committee Chairs

Attendance/Recpt. P:443-224-1594	Theresa Schroeder reservations@ashrae-balto.org	Whitman Requardt
Chapter Programs P:410-323-0600	Craig Parks programs@ashrae-balto.org	BKM
Historian P:410-704-2717	Alex Clark historian@ashrae-balto.org	Towson University
Membership P:443-809-9079	Kaylee Haupt membership@ashrae-balto.org	BCPS
Refrigeration P:410-403-2200	Jon Olmstead refrigeration@ashrae-balto.org	The Trane Company
Research Promotion P: 410-579-8100	Ryan Berger research@ashrae-balto.org	Leach Wallace Associates, Inc
Scholarship P:410-298-2400	Saqib Ashraf scholarship@ashrae-balto.org	Carrier
Student Activities P:410-329-8100	Sam Philipp studentacts@ashrae-balto.org	JMT
Student Activities P:410-652-5437	Robert Broczowski studentacts@ashrae-balto.org	Mueller Associates
Young Engineers P:410-746-4168	Nancy Neely yea@ashrae-balto.org	Johnson Controls, Inc
CTA P:410-323-0600	Craig Parks cta@ashrae-balto.org	BKM
CTTC P:410-323-0600	Craig Parks cttc@ashrae-balto.org	BKM
Thermogram P:410-381-7655	Kelly Brennan newsletter@ashrae-balto.org	Schneider Electric
Engineers Week P:410-329-8100	Sam Philipp engweek@ashrae-balto.org	JMT
Web Technician P:410-316-7800	Ben Becker ashtech@ashrae-balto.org	KCI Technologies
Christmas Party P:410-527-2612	John Prusak Christmas@ashrae-balto.org	Johnson Controls, Inc.
Golf Outing P:443-561-1600	R L Gladden golf@ashrae-balto.org	Chesapeake Systems
Women in ASHRAE P:240-542-5568	Jennifer Leach wia@ashrae-balto.org	Cummins-Wagner
Grassroots Activities P:410-792-4230	Rich Goins / Chris Meyer gga@ashrae-balto.org	Cummins-Wagner

ASHRAE Reservation Hotline

Phone: 443-224-1594 ASHRAE Baltimore Chapter
Attn: Theresa R Schroeder reservations@ashrae-balto.org

In alignment with the "Green Trends" of ASHRAE we have eliminated the paper copies of the Membership Roster. An electronic copy will be available at meetings, upon request.

President's Pen

The October meeting was fairly well attended. We had 75 people signed up for dinner. Many thanks to Chet Knauf of Havtech for providing a very informative technical session presentation on Energy Modeling, and Ron Jarnagin for his informative main session presentation on the Renovation of the ASHRAE Headquarters facility located in Atlanta, GA. Both Chet and Ron provided those in attendance with valuable information. If you missed these presentations, you missed out. Ron is clearly an "ASHRAE" person and has difficulty containing his enthusiasm and passion about the Headquarters Renovation project.

Join us for our first YEA event of the year – Game Night, to held on November 17th. Nancy Neely of Johnson Controls, Inc. deserves many thanks for her efforts in arranging this event. Our chapter is blessed with strong committee chairs who put a lot of effort into providing great events for you - our membership.

Our next meeting, held on November 10th at the ESB, will be Membership Promotion night. Bring a potential member with a completed application and receive a complimentary dinner. November's Tech Session will provide you with the latest and greatest on "ANSI/AHRI 340/360". Please come and join us for the technical session at 5 pm, stay for a fantastic networking/social hour - be sure to say "Hi" to smiling Jack McKenna – the man responsible for arranging an extremely worthwhile main meeting on Microgrids, and enjoy a delectable meal provided by the ESB. Similar to last year, each full-session meeting will provide an opportunity for 2 PDH's if you attend both the technical session and main meeting session.

Our upcoming events include:

- 1) 67th Annual Christmas Party: December 2, 2016;
- 2) January Meeting: January 5, 2017 at the ESB;
- 3) ASHRAE 2017 Winter Conference: January 28 – February 1, 2017 in Las Vegas, NV;
- 4) Refrigeration Tour: February 2017 (details to follow).

Please check our chapter website (www.ashrae-balto.org) for event information and schedules. Thank you for your continued support of the Baltimore Chapter of ASHRAE.

Dave Reese



2016-2017

Meeting Schedule

Please mark your calendar with the following dates for the 2016 through 2017 Baltimore Chapter meetings. A complete schedule indicating seminar, technical session and main meeting topics will be published in the coming month's Thermogram and is also available on the chapter website

www.ashrae-balto.org.

August 18, 19 & 20, 2016	Chapter Regional Conference	Philadelphia, PA
September 7th, 2016	7th Annual Product Show: 3:00—8:00pm	Radisson Timonium
October 6th, 2016 <i>Research Promotion</i>	Main Meeting: ASHRAE Headquarters Renovation Tech Session: Energy Modeling...Why?	ESB
November 10th, 2016 <i>Membership Promotion</i>	Main Meeting: Microgrids Tech Session: Updates to Performance Ratings of Commercial Unitary Equipment	ESB
December 2, 2016	Christmas Party	Timonium Fairgrounds
January 5, 2017 <i>Women in ASHRAE</i>	Main Meeting: TBD Tech Session: Optimization in HVAC Pumping	ESB
February 2, 2017 <i>Refrigeration</i>	Main Meeting: Refrigeration Tour Tech Session: N/A	TBD
March 9, 2017 <i>Membership Promotion</i>	Main Meeting: High Performance Run-Around Energy Recovery Tech Session: TBD	ESB
April 6, 2017 <i>Former Presidents Night</i>	Main Meeting: TBD Tech Session: TBD	ESB
May 4, 2017 <i>Research Promotion & Student Night</i>	Main Meeting: TBD Tech Session: TBD	ESB
June 2, 2017 (Tentative)	58th Annual Golf Outing	Turf Valley CC

Main Meeting Schedule: 5:30 pm social hour, 6:30 pm dinner, 7:00 pm speaker

Tech Session Schedule: 5:00 - 5:45 pm

Cost: \$25 dinner fee for full members, \$10 dinner fee for students



67th ASHRAE CHRISTMAS PARTY

Date: December 2nd, 2016
Time: 5:00 P.M. until 9:00 P.M.
Place: 4H Building, Timonium Fairgrounds

\$55.00 / PERSON

Attn: John Prusak (Johnson Controls, Inc.)
Fax: 410-527-2730
Phone: 410-527-2612
Email: john.prusak@ici.com

Your Mailing Address

Attn: _____
Company Name: _____
Address: _____

Phone: _____
Email: _____
No. of Tickets: _____

NOTE: Tickets will not be mailed until receipt of payment. Make checks payable to ASHRAE and mail to my attention at 60 Loveton Circle, Sparks, Md. 21152.

"First come, first serve"

Also, please consider making a donation to the ASHRAE Research Fund in the amount of \$_____

GAME ON!

Join YEA for drinks, snacks, and more at Game Baltimore

Where: 1400 Warner St, Baltimore, MD 21230

When: Thursday, November 17th 6-8pm

RSVP to yea@ashrae-balto.org

This event is free to all YEA members!

Games Include:

Corn Hole, Ping Pong, Darts, Ladderball, Pac-Man, Galaga, Donkey Kong, Mario Bros & More!



www.ashrae.org/lasvegas



2017
Winter
Conference

Jan. 28 – Feb. 1
Las Vegas, NV
Caesars Palace

A H R
Expo

Jan. 30 – Feb. 1
Las Vegas, NV
Las Vegas Convention Center

Honors and Awards

Greetings Members,

Each year, ASHRAE recognizes members at every level of the organization for outstanding achievements. We are very proud of the contributions our colleagues have made on behalf of the Society, as well as the industry in general. We encourage you to help us recognize these members by nominating them for an appropriate award.

There are several categories for these achievements, including:

- Personal Honors
- Honors for Society Activities
- Society Awards to Groups or Chapters and,
- Chapter and Regional Awards

Nominations for these awards can be made by chapters, regions, committees, and even individual ASHRAE members. If you have an idea for an award nominee, please contact me by emailing adamfauer@gmail.com.

In the meantime, all ASHRAE Award nominations require a current biographical record, which are located at the ASHRAE site. For your ASHRAE Bio, please follow this link: <https://www.ashrae.org/membership--conferences/my-membership>. You will need to sign in to update your bio, and/or access your profile.

They're your achievements, be proud of them... take a few minutes to update your ASHRAE Bio today!

Best Regards,

Adam Fauer

Past President

16-'17 Honors and Awards Chair

2016 - 2017 ASHRAE BALTIMORE SCHOLARSHIPS
Student Application

December 31, 2016
The Deadline Is Approaching



For More Information Visit:
ASHARE-BALTO.org

The Baltimore Chapter of the American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE Region III, Chapter 025) is pleased to offer scholarships to select college and high school students who are pursuing their Bachelor's Degree in an ASHRAE-related field of practice. Among other specific criteria, scholarship eligibility is limited to students residing in, or moving to, the Baltimore Chapter assigned geographical area as a permanent resident (students residing outside the area who may otherwise not qualify based on their residence may still apply if intending to move to the Baltimore area upon graduation).

Applications will be reviewed anonymously by the *ASHRAE Baltimore Scholarship Committee* for award to students directly during the first quarter of 2017. The application deadline indicated below cannot be extended

Scholarship Chairperson
 ASHRAE Scholarship Committee
 c/o Saqib Ashraf
 Carrier Corporation
 3701 Commerce Drive, Suite 11
 Baltimore, MD 21227

*** For additional questions, contact Saqib via email at Saqib.Ashraf@carrier.utc.com, or via phone at 240-278-4611***

ASHRAE Baltimore		Region III		Chapter 025		
Dave Reese President	Craig Parks Vice-President	Brad Watkins Treasurer	Steph Kunkel Secretary	James Cote Governor	Jeff Shook Governor	Adam Fauer Past President

