

HPBD MEETING REMINDER



An ASHRAE International Premier Chapter

2018 WV ASHRAE High Performance Buildings Day

**PLEASE REGISTER ASAP
SO WE CAN GET A COUNT ON ATTENDEES**

September 12, 2018: Bridge Valley Community College - South Charleston, WV

Meetings held in the Advantage Technology Center, Rooms ATC 131, 132, and 134. 2001 Union Carbide Drive, South Charleston, WV 25303 304-205-6649, Free Parking

September 13, 2018: National Energy Technology Laboratory (NETL) - Morgantown, WV

Includes tour of the NETL Facility. (Must be a US Citizen or foreign national with prior approval to attend). Free Parking.

Sponsored By: WV Office of Energy, WV ASHRAE, WVU, ZMM Inc., ZDS Design, and Wendel



Seminar attendees will earn **1.0 PDH** certificate for each seminar attended. A total of **5.0 PDHs** are available.

Time for each day: 8:00 AM - 3:00 PM (Actual program starts at 8:30 AM)

This year, the event will cover 5 new topics of interest to school district leaders, teachers and the design and construction individuals that support schools. We will be using a team panel approach with presenters coming from Academic, Architects, Engineers, Contractors, ESCO, Equipment Manufactures, and key WV Public Officials interested in better school buildings.

Topics:

I. How do I score my building energy use?

Introductory - The WV Energy Office is helping all WV public K-12 schools get energy benchmarked and will start recognizing the top 25% with Energy Star Status in 2019. Get the latest update on Energy Star Schools and Districts. Find out how the WV State Energy Office and WV ASHRAE can get you free help to benchmark your schools

II. Existing School Energy Upgrades

Intermediate - It is important to understand how energy reduction projects can impact schools Indoor Air Quality and Wellness ratings. Learn from experts (Dr Ken Means) about key industry IAQ Standards and how lighting, ventilation and heating/cooling systems impact wellness and energy use.

IAQ Standards – Thermal (ASHRAE 55), Ventilation (ASHRAE 62.1), Energy ASHRAE (90.1), Lighting, Noise (ANSI 12.6)

Energy/Wellness Measurements - Measuring energy and wellness in a school building along with review of a simple audit form.

III. Latest in Building Commissioning

Intermediate - What is commissioning, retro commissioning and interval commissioning? What does each level offer? And what is the cost? The newest interval commissioning gathers data from hvac, lighting and plug load systems in the building and uploads the data safely into the cloud where software monitors operations and energy use. This information can provide real time operational information to your operations and maintenance staff. Interval commissioning is a lot like OnStar for GMC cars/trucks but for buildings.

IV. Creating a culture for energy awareness and conservation in building occupants

Intermediate– How can schools get teacher and student buy-in to energy building retrofits? How do custodians fit into the picture? What types of methods are available to communicate district policy to building occupants, and why should they care? Discussion of energy retrofits, building improvements, culture, energy dashboards, Zero Energy buildings, etc.

V. Working with Open Book Projects – Questions you need to ask

Advanced (Finances)- WV encourages the use of a life-cycle project costing, an approach to building design that considers construction, operation and maintenance during the initial decision-making process. How do open book projects work when dealing with Energy Use? What questions can be asked to clarify and control excessive mark-ups and hidden fees.

Registration details:

General Attendee Registration includes access to all training sessions, continental breakfast and lunch.

NOTE: The September 13, 2018 High Performance Buildings Day at NETL is for US Citizens or foreign nationals with prior approval. If you are a foreign national and wish to attend this meeting, please contact Art Hallstrom at ahallstrom@wvashrae.org for completion of a required request form prior to August 30, 2018.

COSTS:

General Attendees - **\$65**

Students - **\$15**

Speakers and approved guests - **\$0**

HPBD SPONSORSHIPS are available:

GOLD: \$1000

SILVER: \$500

BRONZE: ZDS Design and Wendel

Proceeds from your Sponsorship go to the WV ASHRAE Chapter Operating Funds

Visit the [WV ASHRAE 2018 High Performance Building Day](#) page for more information and to Register.



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