

July 2017 Newsletter

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WV High Performance Zero Energy School Workshop



Every West Virginia School (K through Higher Ed) is looking for new dollars. Some of these funds could come from lower utility bills. What if there was no utility bill? It would be a zero energy school. It is a building that, on an annual basis, produces more energy than it consumes. A zero energy school typically uses 70-80% less energy than the average and onsite power gets the school to zero.

Zero energy schools are being developed nationwide and are now operational. More are coming. Building and operating a zero energy or near zero (max tech) school building requires a different approach. Energy use becomes as important as first cost.

Using strategic option trade offs, some zero energy school buildings have a surprising small cost premium. They are becoming more affordable.

ASHRAE, AIA, USGBC, US IES and US DOE created Advanced Energy Design Guides (AEDG). The third generation guide is the ultimate - zero energy. ***The first zero guide is for K-12 buildings and will be published this fall. This net zero school AEDG and how WV schools can obtain them is the focus of this new WV work shop.***

Workshop Locations

Charleston WV (Bridge Valley Community College) - Sept 12, 2017

Fairmont State University - Sept 13, 2017

Who should attend:

- School Facility Managers • Engineers • Architects • School Energy Managers • Sustainability Coordinators • Local Government Officials • School Board Members • Contractors • Manufacturers

Learning Objectives

- Attendees will be able to identify the critical success factors of the KY high performance K-12 schools program – currently ranked 3rd best in the US. Could help local WV programs.
- Understand how to rate a zero energy school building and how to certify it.
- Receive an overview of the new ASHRAE AEDG for zero schools and what is required to design, build and operate one. Includes a case study of zero energy, max tech school.
- Learn about the DOE Better Buildings Zero Energy Schools Accelerator Program and how to join their program.

Sponsors

WV Division of Energy
WV ASHRAE
WV AIA
WV USGBC

For more information and to register go to www.wvashrae.org.

WV ASHRAE's 2nd Annual Training/Trade Show on May 11 was a GREAT success this year!! We had 70 people in attendance, 22 Business Partners/Sponsors and excellent speakers for our 6 training classes. We would like to take this opportunity to THANK everyone who attended and supported this MAJOR event for our Chapter.

We would like to recognize and thank our SPEAKERS, who generously donated their time in participating in the training classes:

DOAS:

Sam Butzer, P.E. – ZMM Architects and Engineers

Tim Ponticel – CaptiveAire

Doug Hannum – Engineered Air

Kenneth Young – Trane

James Martin – SEMCO

VRF Systems:

Mike Machemehl – Mitsubishi

Scott Cowley – Mason & Barry

Kenneth Young – Trane

Chilled Beams:

James Martin – SEMCO

Matt Duncan – Mason & Barry

Embedded Tube Radiant Cooling:

Devin Abellon, P.E. – Uponor (ASHRAE Distinguished Lecturer)

Are Hvdronics Still Viable?:

Ray Wohlfarth – Fire & Ice Heating and Cooling

Boiler Replacement Considerations:

Aaron Weaver – Raypak

Luke Walker – Herrmann Associates

A BIG THANK YOU goes out to our GOLD, SILVER and BRONZE Sponsors for their extra donations to ASHRAE Research Promotions, which helped us to exceed our goal for the year:

GOLD SPONSORS (\$500+ Donation):

TRANE

SILVER SPONSORS (\$300 - \$499 Donation):

Carrier Enterprise

Comfort Supply, Inc.

BRONZE SPONSORS (\$150 - \$299 Donation):

Combustion Equipment Co.

Engineered Air

Mason & Barry

Victaulic

Finally, we would like to recognize and THANK our Business Partners/Sponsors:

Accutemp	Air Mechanical Sales
Berner	Blackmore & Glunt
CaptiveAire	Carrier Enterprise
Comfort Supply Inc.	Combustion Equipment Co.
Delta Air/Thermax	Emerson Swan
Engineered Air	Fire & Ice
Herrmann Associates	Jabo Supply
Johnson Controls	Mason & Barry
Midwest Spec	Multiple Ventilation Products
RenewAire/HBB Pro Sales	Tobey-Karg
WV Trane	Victaulic Co.

THANKS TO EVERYONE WHO HELPED PLAN, ORGANIZE AND RUN THIS EVENT. YOUR VALUABLE TIME AND EFFORTS AS A VOLUNTEER ARE GREATLY APPRECIATED!

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