



## *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.

***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 event.

### **Workshop Locations (8 am - 3 pm)**

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 • Students

### **Learning Objectives**

- Identify the critical success factors of high performance K-12 schools 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.
- Learn about the DOE Better Buildings Zero Energy Schools Accelerator Program.

### **Sponsors**

Division of Energy  
WV ASHRAE (pdh awarded)  
WV AIA (pdh awarded)  
WV USGBC (pdh awarded)

For more information and to sign up go to [www.wvashrae.org](http://www.wvashrae.org).

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**News Flash:** WV ASHRAE Chapter Leaders just got back from the ASHRAE Region VII Conference in Nashville last weekend. Thanks to our members and past chapter leaders, our Chapter earned the Best Chapter in Region VII Award AND Premier Chapter Status. Only 8 Chapters worldwide out of over 170 are Premier Chapters. In addition the Chapter earned Blue Ribbon in Membership growth, Gold Ribbon in History, Outstanding Programs, and the Marshall Univ Student Branch was officially approved. Past-President Sam Butzer and President Shane Hall represented us. Jennings Davis and Art Hallstrom also attended. Great event.

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