

Green Building Pavilion: Sponsored by the Lehigh Valley Green Builders Forum in conjunction with the Green Building Association of Central Pennsylvania and the Delaware Valley Green Building Council, will be the site of a variety of sessions focusing on ways to design, construct, maintain and operate energy efficient and sustainable buildings.

Date & Time	Speaker(s)	Session Title	Session Synopsis
Friday 9/22			
9:30	Marcus Sheffer and Doug Aldinger	High Performance Schools	Marcus Sheffer and Doug Aldinger from the Green Building Association of Central Pennsylvania will describe the benefits of incorporating high performance practices into the design and construction of school buildings. This presentation will emphasize high energy efficiency and resource efficiency, using the US Green Building Council Leadership in Energy and Environmental Design (LEED®) program guidelines. Participants will understand the significant positive cost impact that high performance practices can have on a school system, as well as how the integrated design process will allow such practices to be adopted with little or no impact on construction costs.
10:30	Toni E. Lynch	Insulating Concrete Forms and Zero Energy Building Concepts	Toni E. Lynch of Polysteel Better World Building Technology will present to the audience an over view how to build zero and near zero energy homes, utilizing Geothermal, Solar, Insulating Concrete Forms and other contributing products. Mr. Lynch currently holds the record for the most energy efficient home in four states. Interestingly Mr. Lynch met the owners of the home here at the PA Energy Festival last year.
11:30	Scot Horst	Practical Tips & Local Solutions	Three 15-minute sessions focusing on practical steps to improving your local environment, followed by a topical Question and Answer time. Each stand alone session will spotlight a basic theme or term common to Green Building or Environmental topics presented throughout the Festival.
12:30	Natalie Mach / Christa D. Kraftician	Youth Focused Hands-on Activities	Students and adults are encouraged to learn at this hands-on session sponsored by the Lehigh Valley Green Builders Forum. Activities are offered as part of the organization's ongoing mission of promoting environmentally responsible design, planning, construction, and operation of the built environment through education, outreach and networking.
2:30	Mindee Osno	Understanding the EPA's Energy Star Program	Mindee Osno, the Regional Manager of the United States Environmental Protection Agency's Energy Star program will share how this dynamic program is helping promote energy savings by promoting practices through training, education and tax credits.
3:30	Bruce Wilson & Annie Prince	Every Day is Earth Day - Practical Ways of Saving Energy Now!	The husband wife team of Bruce Wilson and Annie Prince will share from their 30 years of experience as contractors building sustainable energy efficient buildings. These co-founders of the LV Green Builders Forum will explain why Green Building is so critical to our daily lives and into the future.
4:30	K. Scott Sine	How to LEED® in a Fast track world.	Scott Sine, a Professional Engineer and a LEED® Accredited Professional, is the director of the engineering functions at H.T. Lyons. - This session focuses on the reality of green building design in today's high pressured bottom line marketplace. The goal of this session is to tap into the challenges of issues facing the building industry regarding integrating green building solutions... and providing much needed alternate path's forward.
5:30	Green Building Professionals	Green Building Basics - Open Panel	Got a Question about Green Building? Want to speak to a professional with experience in Solar Power, Geothermal, Super Insulation or Sustainable Design? This is the program for you. After a brief introduction, Builders, Designers, Material and Green Building experts from the Region's Green Building Organizations will come together under one roof to answer your questions one-on-one or in small groups.

Saturday 9/23			
9:30	Mike Fink	Geothermal 101 - Geothermal Heating and Cooling	Mike Fink the Eastern PA & Central NJ territory Manager of Water Furnace International - Learn about the most environmental friendly, safe and efficient heating, air conditioning and domestic hot water generator systems available for residential and commercial applications. Overview of the basic technology associated with these systems, various applications and a review of the types of geexchange systems.
10:30	Carol Cannon	Creating Healthy and Healing Environments	Carol Cannon, BBEI, (Bau-biology Environmental Inspector), Certified Feng Shui Consultant, President of the Carol Cannon Group. The buildings we live and/or work in have effects on our health. This seminar introduces the German science of Bau-biologie and the physical impacts buildings have on human health. You will also learn about the invisible energy realm, considered in many cultures' building design, and concepts of how buildings affect humans and the surrounding environment.
11:30	Jackie O'Neil	How to build your own Sustainable Home	Jackie O'Neil, who just built two LEED® gold certified homes in Montgomery county, will share her experiences. How do you build net-zero energy, healthy & sustainable homes that are: cost-effective, "mainstreamable" and attractive? What are valuable lessons learned, and is it worth it?
1:00	Tent Closed for Keynote Speaker	"Energy & Environment at the Crossroads"	Featured Speaker on Main Stage: Ned Ryan Doyle (1:00– 2:00)
2:30	Natalie Mach	Building A Zero Energy Home	Natalie Mach, of Lehigh Valley Engineering will deliver this presentation based on here experiences designing the winning entry in the 2005 Solar Decathlon an international competition to build a 100% off grid solar residence. The discussion will touch on many of the "green" features incorporated into the design of the house including building envelope, mechanical systems, solar systems, and architectural finishes.
3:30	Dave Sheridan and Mark Lambdin	High Performance Schools	Dave Sheridan and Mark Lambdin, green building professionals from the Green Building Association of Central Pennsylvania will describe the benefits of incorporating high performance practices into the design and construction of school buildings. This presentation will emphasize interior environmental quality benefits of such practices, using the US Green Building Council Leadership in Energy and Environmental Design (LEED®) program guidelines. Participants will understand the significant benefits of high performance practices to the users of school buildings, including healthful air quality, effective lighting and daylighting, sustainable cleaning practices, and high acoustical quality. These benefits include higher productivity and a healthier school community.
4:30	Green Building Professionals	Green Building Basics - Open Panel	Got a Question about Green Building? Want to speak to a professional with experience in Solar Power, Geothermal, Super Insulation or Sustainable Design? This is the program for you. After a brief introduction, Builders, Designers, Material and Green Building experts from the Region's Green Building Organizations will come together under one roof to answer your questions one-on-one or in small groups.