



Workshop for Professionals

Deep Energy Retrofits Fixing Existing Buildings

By Paul Eldrenkamp, Byggmeister, Inc. Design/Build

Wednesday, October 28

Woods Hole Research Center, Falmouth, MA



**Woods Hole
Research Center
149 Woods Hole Rd.
Falmouth, MA**

**Wednesday, October 28
9 am – 5 pm**



Cost & Registration Information

- \$295 for full-day session, including coffee and lunch
- \$25 discount for NESEA/CIReNew members
- Accredited by AIA; 7 CEUs

For information or to register, visit www.nesea.org or call 413.774.6051 x 14.



Who will benefit from this workshop?

- Builders, developers, contractors, remodelers
- Architects, structural engineers, HVAC engineers
- Energy analysts, facility managers, efficiency providers

Workshop Overview

The slowdown in traditional construction markets and the growing attention to energy security and climate change are focusing attention on the need to fix the current building stock. An emerging theme in the fields of design and construction, deep energy retrofit projects combine science with practice to reduce the energy consumption and greenhouse gas emissions of existing structures by at least 50% and by up to 80% or more.

Deep retrofits renovate buildings of typical construction to achieve very high standards for air infiltration, insulation, light transmission, and other factors that together result in excellent energy performance and improved occupant comfort. This requires a highly integrative design and construction process, along with a business strategy that accounts for life-cycle costs, project complexities, and available incentives.

This workshop covers the need for deep energy retrofits, the business of doing them, the roles of various team members, and the project planning and execution process. It combines a classroom lecture with an applied session at a residential building currently undergoing a deep retrofit. The tools and techniques used to evaluate and optimize energy performance, including blower door testing and infrared thermography, will be demonstrated in a field setting.