

Become an Energy Efficiency Champion

Save Energy, Lower Costs, and Increase the Comfort and Quality of Affordable Housing

Energy Training To Improve Building Performance Sponsored by the U.S. Department of Housing and Urban Development

Energy and other utilities make up an increasing share of building operating and maintenance costs. To assist housing providers take advantage of opportunities to reduce energy consumption and ensure the continued affordability of housing, HUD will offer four 3-hour training modules via satellite broadcasts and webcast on energy efficient building management, housing rehabilitation and new construction.

HUD's energy efficiency training is intended to provide an introduction to energy efficiency, as well as new and emerging practices, for operators, managers and developers of affordable housing projects, both single-family and multifamily.

Information and technical guidance will be presented by a faculty of nationally-recognized experts in building science as well as hands-on construction experts who have practical experience and demonstrated success in dramatically reducing energy costs through better design and building practices.

Each satellite broadcast and webcast offers the most current information and technical guidance on proven construction and rehabilitation practices for reducing energy use, cost-effective energy efficient technologies and measures, and successful approaches building operations and maintenance. HUD will provide a Certificate of Completion for participants completing the program series.

DATES AND TOPICS

April 12 – Multifamily Building Operations and Management: The First Step to Energy Efficiency

This class will provide an introduction into key strategies for operating and maintaining multifamily housing with energy efficiency in mind. The workshop will cover the following key topics: conducting an energy assessment, diagnosing key areas of heat losses, and low- no-cost strategies for reducing energy costs through low-cost air sealing techniques, improved temperature controls and other HVAC management techniques, and better lighting and water conservation strategies.

Faculty: Amy McGwire, ICF International, Asit Patel, Association for Energy Affordability, New York City; Greg Coleman, TRC Solutions. *Moderator:* Michael Freedberg, HUD

May 17 - Retrofit and Remodeling Strategies for Multifamily Buildings

This workshop provides an introduction to more extensive energy retrofit strategies for multifamily properties, both low-rise and high-rise, including energy-efficient HVAC installations, Energy Star appliances and products, building envelope improvements, and lighting retrofits. Case studies of successful examples of multifamily retrofits in different climate zones will be presented, as well as financial analysis of different retrofit packages. Conversion to alternative fuels and individual metering will be discussed. This session will also include an introduction to Energy Star-labeled products and appliances.

Faculty: Paul Knight, Domus Plus, Chicago; Greg Thomas, Performance Systems Development, Ithaca NY; Charlie Gohman, Arizona Energy Office; Hewan Tomlinson, EPA. *Moderator:* Richard Santangelo, Office of Public and Indian Housing, HUD.

June 14 - Single Family Rehab and Retrofits: Focus on Low-Rise Buildings

This session will provide an introduction to basic techniques for incorporating energy efficiency in LIHTC and other housing rehabilitation projects through a “whole house approach” approach identifying low-cost upgrades to the building envelope and energy efficient heating, ventilation and cooling systems. Strategies for home remodeling projects that incorporate energy efficiency will also be included. The session will also address basic diagnostic techniques for assessing areas of heat loss and to test for combustion safety in existing homes. Case studies from a variety of climate zones will be presented.

Faculty: Howard Katzman, formerly Southface Energy Institute, Bill Asdal, Asdal Builders/Partnership for Advancing Technology in Housing; Rick Karg, R.J. Karg Associates, Moderator: Chandler Von Schrader,* EPA.

September 18 (previously September 13) - New Construction Techniques: Energy Star Qualified New Homes, Green Building and Renewable Energy

This workshop will focus on building to the Energy Star Qualified New Homes label for single family and low-rise multifamily homes – both performance measures as well as Builder Option Packages for different climate zones. The session will cover the new requirements of the Energy Star label, including the new bypass checklist. The workshop will also provide examples of “high performance” affordable housing, and provide an introduction to green affordable housing that addresses indoor air quality and environmentally-sound construction practices, as well as renewable energy options.

Faculty: Mike Myers, Lockheed Martin; Sam Rashkin, EPA; Arnie Katz, Advanced Energy, Raleigh NC; William Zoeller, Stephen Winter Associates; Rebecca Morley, National Center for Healthy Housing.

April 12 Broadcast 2:00 pm EDT

REMAINING BROADCASTS 1:00 pm – 4:00 pm EDT

- **Learn how to develop and implement an effective O&M Plan**
- **Identify O&M opportunities in your buildings**
- **Get an update on improved energy audit procedures**
- **Refresh your knowledge of ENERGY STAR products and new homes**
- **Find out about rehab and retrofit strategies that maximize returns on investment**
- **Learn energy-efficient new construction techniques with renewable energy**
- **AND MORE**

**REGISTER ON-LINE AT www.hud.gov/energy
THERE IS NO REGISTRATION FEE**

Who Should Participate:

Public Housing Facilities Managers
Assisted Housing Building Owners and Managers
Tribally Designated Housing Entities
HOME and CDBG Rehab and Construction Specialists
Section 202 Senior Housing Developers and Managers
CHDOs and Other Affordable Housing Developers
HOPE VI Project Managers and Developers
HUD Headquarters and Field Staff

For further information contact energyaction@hud.gov.