

# ENERGY EFFICIENT DESIGN WORKSHOP

## AGENDA

March 15, 2012

8:00 AM

Morehead Conference Center

Morehead, KY

### 7:15 AM Continental Breakfast

### 8:00 AM What does building to the minimum cost us?

Look at a HERS 100 house built to the code minimum and examine how much energy each component uses:

- Foundation/ Floor
- Walls
- Ceiling
- Windows/Doors
- HVAC
- Hot Water
- Lighting & Appliances

### 8:45 AM How do we improve on the minimum?

Present Community Design Studio and People's Self-Help House case studies:

1. Cost and benefits of improvements over the minimum, component by component.
  - a. Beginner energy efficiency house – easy and inexpensive ways to reduce energy usage by 1/3 (HERS 66).
  - b. Advance energy efficiency house – With a little practice and a little more money reduce energy usage by 1/2 (HERS 50).

### 10:00 AM Break for 15

1. Continue cost and benefits of improvements over the minimum.
2. The house as a system. How improvements work in tandem: air sealing, insulation, equipment.
3. Homeowner Training – What does the homeowner need to know to get the most out of their home?
4. Additional savings beyond energy efficiency
  - a. Durability
  - b. Health

### Noon until 1 PM Dinner Break (lunch on their own or do we bring in a lunch / dinner?)

### 1:00 PM Discussion

1. Questions or comments about the CDS and PSHH houses.
2. Participants ask questions about their own houses.

### 2:00 PM Energy Star 3.0

- 1) Who needs to comply; who has an exemption
- 2) Costs for meeting the requirements of Version 3.0
- 3) SHOP and Exemptions

### 2:45 PM Where do we go from here?

What needs to be done after the design workshop?

- Resources available: FAHE network, Greg Miller, construction crew training, plans and specifications, energy efficient products.
- Document progress – Energy Star certification, utility bill tracking, etc.
- Energy efficient rehabs

### 3:30 PM Additional Discussion

Participants can stick around for additional discussion or head home.