

Code Compliance Models

(From the ABCs of Energy Efficiency)



OBBS Code Training Course Description: Course # BBS2007-258
Approved for BO, MPE, BI, MI, RBO, RPE, RBI - 2hrs

Introduction:

The ABCs series of workshops are developed as 2hr sessions but can be added or even combined as an 8hr session covering all aspects of Integrating Building Performance and Energy Codes.

The presentation approach incorporates actual buildings through photos and graphics to make the principles come alive for the participants and relate the subject to what they are seeing and experiencing every day. From our statewide audit efforts, I have a library of visuals and experiences assisting builders with unique locally based challenges. I have seen success and failure in the field and can share the lessons learned.

Materials will include session handouts and text materials developed during my training and technical assistance efforts with builders, code officials, and with home energy raters. In addition, I recommend a copy of the EEBA *Builder's Guide* and *Water Management Guide* be made available for each of the workshop attendees. Materials from these excellent resources are used during the course of the presentations. Content may be shifted slightly to highlight specific issues of importance to each group.

Agenda:

Introduction to the Course: (10 minutes)

The instructor will introduce himself and provide an overview of the course, text materials and housekeeping/logistical issues.

Code Compliance Models (110 minutes)

RECA – Ohio – the Prescriptive Approach

REScheck™ – the computerized Trade Off Worksheet

Covers the use and misuse of the most popular code compliance tool

REM/Design™ - a performance and shell analysis approach

Provides an introduction to this most detailed residential energy assessment tool

Course Outline:

- | | | | |
|-----|--|-----|---|
| 1. | Highlights of changes in the 2006 IECC | 4.4 | Report writing & alterations |
| 2. | Code Compliance Models | 5. | REM/Design™ compliance |
| 2.1 | Prescriptive | 5.1 | Input demonstration |
| 2.2 | Trade-Off | 5.2 | Required data for code compliance |
| 2.3 | Performance | 5.3 | Added value for understanding energy issues |
| 3. | RECA – Prescriptive Compliance | | |
| 3.1 | Simplified - 1 page compliance | | |
| 4. | REScheck™ compliance | | |
| 4.1 | Input demonstration | | |
| 4.2 | AreaCalc™ demonstration | | |
| 4.3 | Typical input failures | | |