

“Prescriptive Vs. Performance Compliance Methods”

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Energy Codes**

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Prescriptive Vs. Performance Compliance Methods

Not Either – Or Question, Rather

**What Makes Most Economic Sense for
Builder In the Realities of the Market Place**

Need for Both Options

Prescriptive Method

- + **Easy For Builder/Code Official to Understand (“Joe Friday” Method)**
- **Least Flexible and Many Times Least Cost-Effective to Build To (One Size Does Not Fit All)**

Performance Method

- **Requires Computer Program and Individual Home Analysis by Individual Based in House as System Building Science**
- + **Recognizes and Rewards Innovation**
- + **Gives Builder Greatest Flexibility to Incorporate Most Cost Effective Features That Makes Most Sense in the Local Housing Market**
- + **Construction Savings More Than Makes Up for Cost of Verification**

Performance Method

**Where Viable Option Builders Will Choose
Performance**

2004 ENERGY STAR Homes Verification (131,763 Homes)

- **93% Performance Based (HERS)**
- **7% Prescriptive Based**

Source: Environmental Protection Agency

Performance Method – Not So Different In Reality

How Works in Field

- **Rater Conducts Performance Based Review (HERS) of Planned Home**
- **Builder Decides Target Level of Energy Efficiency Wanting to Achieve (Rating Score)**
- **Rater Develops Customized Prescriptive Package for Builder That Most Cost-Effectively Meets Energy Goal With Features Builder Wants**

Performance Method

Will Now Become More Attractive To Builders

- **Alignment Between (HERS) and Chapter 4 of the IECC 2004 Supplement**
- **Dynamic Growth in ENERGY STAR Homes and Home Energy Ratings**
- **Ratings Most Practical Tool for Performance Compliance Documentation (Accredited Rating Programs in 50 States)**
- **Potential Federal Tax Credit for Energy Efficient Homes That is Performance Base and Based Upon the IECC**

Stars Are Aligned

**With Adoption of DOE RICC Proposal
and Changes to HERS Reference
Homes – Following Are Aligned**

- **IECC (Chapter 4 - 2004 Supplement)**
- **ENERGY STAR Homes Program**
- **Home Energy Ratings**
- **Building America Program**
- **Proposed Federal Tax Credits**

For More Information ...

- **RESNET's Web Site on Energy Codes**
www.natresnet.org/codes
- **Tomorrow Session on Changes to Ratings & ENERGY STAR Homes Program**
 - **“Collaboration with Other Programs HERS & ENERGY STAR”**