





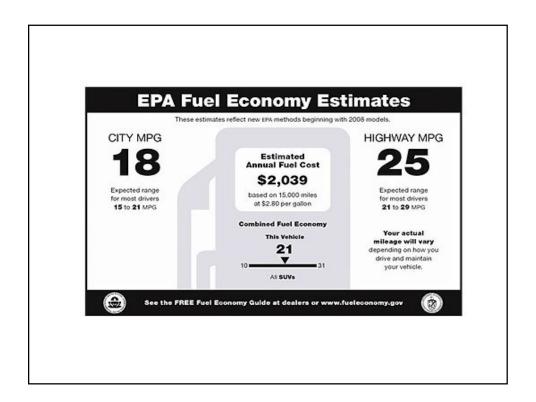
Defining Home Performance

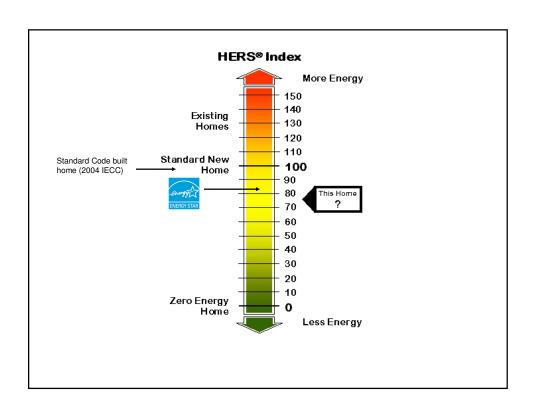
Energy Efficiency & Green Homes

Pop Quiz

- Please select a Green Building Program you have previously worked with

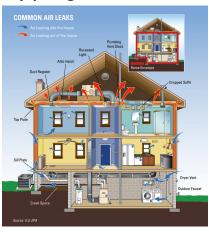
 - LEED for Homes
 Earthcraft
 N.C. Healthy Built Homes
 - Energy Star
- 2. The current method for rating the efficiency of a home is
 - a. Energy Score
 b. HERS Index
 c. Energy Index
 d. Carbon Emissions Statement
- 3. True or False: Energy Star Homes require all Energy Star Products.
- 4. True or False: You can make a house too air tight
- I have the following problems in my house
 a. Comfort, draffy rooms
 b. Mold, Moisture
 c. Loud HVAC system, whistling grills
 d. High Energy Bills
 e. All of the Above 5.
- HVAC operation accounts for ______ % of our annual utility bill. 6.
- 7. True or False: Energy Star is a Green Building program





2 Fundamentals of Energy Efficiency

1. Stopping the Transfer of Air



2 Fundamentals of Energy Efficiency

2. Slowing the transfer of Heat (think in and out)

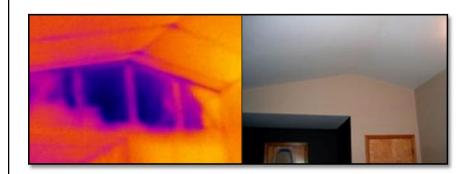




Effective Insulation

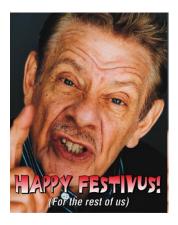


Non-Effective Insulation



Do We Need HVAC?

Passivhaus



not Festivus

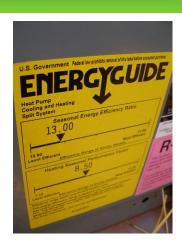
High Performance HVAC

High SEER, AFUE, HSPF

SEER – Rating for A/C

AFUE – Rating for Gas Furnaces

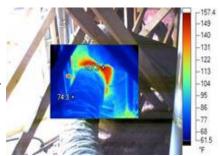
HSPF – Rating for Heat Pumps



High Performance HVAC

Tight Ductwork

- Prevents air from being pulled from attic, crawl and basements
- Tested using a duct blaster
- Energy Star <=6% of Floor Area



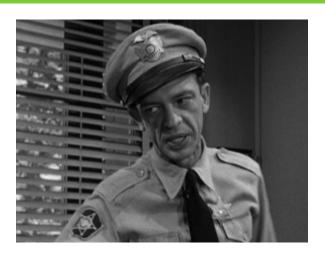
Wait!?

Can't you get a House Too Tight?

NO!

"Build Tight, Ventilate Right"

Independent 3rd Party Inspector



Similarities Among EE & Green

- Hire 3rd party consultants
- Higher level of building a home (costs & performance)
- EE=Green?
- Sustainable

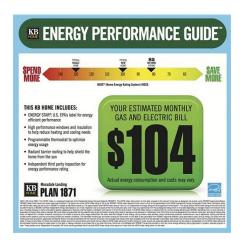
What Green is that EE isn't

- Durability
- More Focus on Indoor Air
- Resource Efficiency
- · Waste Management
- Bleeds into community development
- Water Efficiency
- · Advanced?

What this means for Realtors and Lenders

- More info in tough times
- Those who understand and can interpret will be market leaders
- -Why? Because of Competition

Market Trends?



US Falling Behind in
Business of Green

City Of Austin Resolution on Existing Homes

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