ENERGY STAR for Windows, Doors and Skylights Stakeholder Meeting August 13, 2008

ENERGY STAR Windows and Solar Heat Gain Helping Consumers Identify the Right Fit

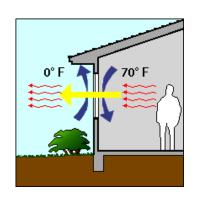
Nils Petermann Alliance to Save Energy





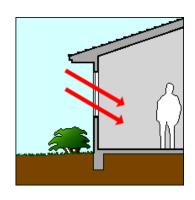


U-factor and SHGC Matter



U-Factor

Straightforward: Low U-factor = good



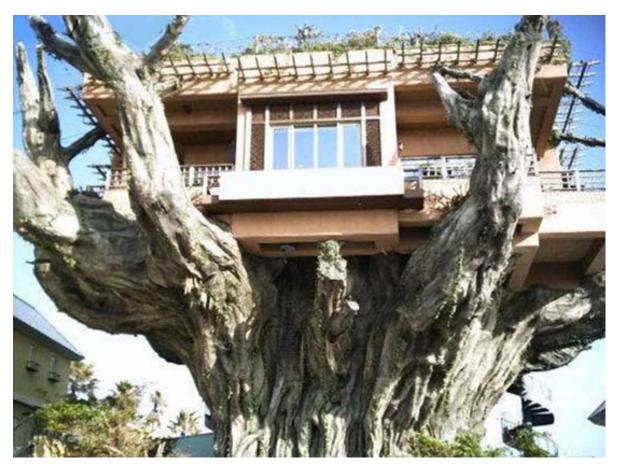
Solar Heat Gain Coefficient

Common approach: Specify SHGC only in the South

But SHGC matters also in the North!

New ENERGY STAR approach: attempt to account for SHGC impact on average homes across country

Not all Homes are Average



Source: www.wackystuff/typepad.com



Not all People are Average



 People usually know best what they prefer for themselves and their homes

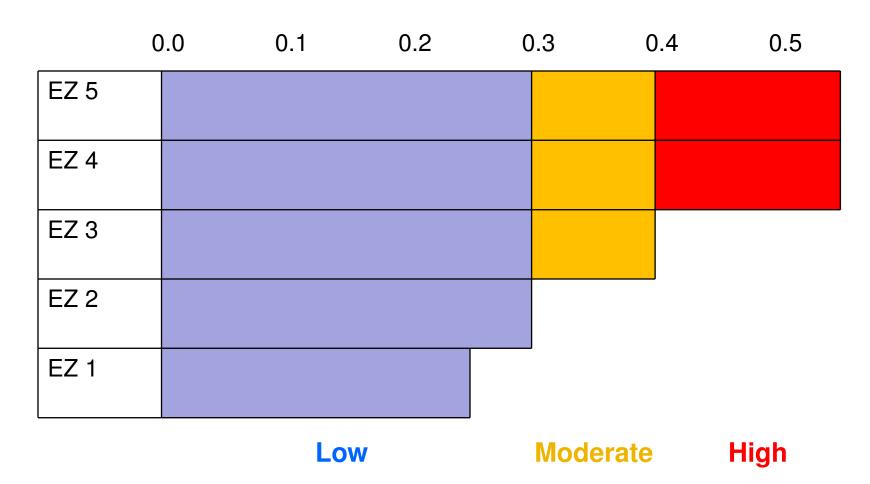
Is NFRC Information Sufficient?



- SHGC does not offer point of comparison
- Even architects often confuse center-of-glass with whole-window numbers (literature vs. labels)
- A simple descriptor would help, e.g.:
 - Moderate solar heat gain
 - High solar heat gain
 - Low solar heat gain



Possible Classification of Solar Heat Gain Potential







Thank You!

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