Results of Electronic Ballot of RESNET Board of Directors on Revision of Formal Interpretation on "Guidance to Home Energy Raters for Domestic Hot Water Equipment That Does Not Have an Energy Factor:

February 18, 2011

Shall the RESNET Board of Directors approve the RESNET Technical Committee's proposed revision of the formal interpretation on "Guidance to Home Energy Raters for Domestic Hot Water Equipment that does not have an Energy Factor" (Appendix A)?

Yes (17)	No (0)	Abstain (0)	Not Voting (2)
Ben Adams			David Goldstein
Dave Bell			Greg Thomas
Steve Byers			
Dennis Creech			
Lance DeLaura			
Brett Dillon			
Charles Eley			
Philip Fairey			
Andy Gordon			
Mark Jansen			
Lee O'Neal			
Bill Prindle			
Javier Ruiz			
Eurihea Speciale			
Orlo Stitt			
Daran Wastchak			
Barb Yankie			

The revised interpretation was adopted.

Appendix A

RESNET Formal Interpretation 2010-03
Approved by the RESNET Board of Directors, xx/xx/2010

Proponent:
RESNET Standing Technical Committee

Applies to:
2006 Mortgage Industry National Home Energy Rating Systems Section 303.4.1

Purpose:
Provide guidance to Home Energy Raters for domestic hot water equipment that does not have an Energy Factor.

Interpretation:
Raters are expected to obtain Energy Factors for domestic hot water equipment directly from manufacturer's literature or from AHRI directory for the equipment being used. In situations where a manufacturer provided or an AHRI published EF does not exist (e.g. commercial water heaters), the rater shall use the guidance presented in here to determine the effective EF of the water heater.

1. For conventional residential (oil, gas and electric) water heaters or heat pump, use default Energy Factor values described in RESNET Mortgage Industry National HERS Standards Chapter 3 Table 303.7.1.(3) for aged based efficiency or Table 303.7.1.(4) for non age-based Efficiency Factor values.

2. For commercial water heaters used in residential applications, one of the following approaches shall be followed to determine the Energy Factor for a particular piece of equipment:

    a. Use the attached calculator - Commercial Hot Water EF Calculator.xls. This calculator is applicable for commercial hot water tanks used both in single family and multi-family dwellings. Depending on the stand-by loss in Btu/hr or %/hr, the appropriate tab of the calculator should be used.

        Enter tank size, thermal efficiency and standby loss from GAMA directory

    b. Use table 504.2 Minimum Performance of Water Heating Equipment in the 2009 International Energy Conservation Code to find the current minimum requirement for most types of water heater.

Attachment A