

RESNET Formal Interpretation 2010-03

Approved by the RESNET Board of Directors, 07/27/2010

Proponent:

RESNET Standing Technical Committee

Applies to:

2006 Mortgage Industry National Home Energy Rating Systems Standards

Purpose:

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

Interpretation:

It is highly recommended that raters obtain Energy Factors for domestic hot water equipment from the manufacturers or AHRI directory for the equipment being used. In situations where a manufacturer provided or an AHRI published EF can not be found, the rater shall use the guidance presented in this document to determine the EF of the water heater.

1. For conventional (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.

The RESNET Mortgage Industry national HERS Standards can be downloaded at:
<http://www.resnet.us/resnet-standards/mortgage>.

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 calculator attached - Commercial Hot Water EF Calculator.xls.
 - 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.