

Interpretation on ANSI/RESNET 301-2014 Clothes Washer IMEF

- Designation:** 301-2014-08
- Approved:** June 20, 2016 by SDC 300 Testing, Calculation and Labeling for Home Energy Ratings
- Effective Date:** July 20, 2016
- Proponent:** Calculations Subcommittee of SDC 300
- Applies to:** ANSI/RESNET 301-2014, Section 4.2.2.5.2.8, Clothes Washers, Eq 4.2-6.

Interpretation:

The value of MEF in Eq 4.2-6 shall be determined from new IMEF rating labels for clothes washers using the following equation:

$$MEF = 0.503 + 0.95 * IMEF$$

Rationale:

The U.S. Department of Energy recently modified the energy factor test procedure for clothes washers, changing the rating from a Modified Energy Factor (MEF) to an Integrated Modified Energy Factor (IMEF). This change in test procedure and rating label results in a difference between MEF and IMEF. Dave Roberts of NREL collected corresponding data for MEF and IMEF for a variety of clothes washers and determined there is a correlation between IMEF and MEF. This correlation is presented in Figure 1. The regression equation can be used by Raters and by software providers to determine the correct entry for MEF in Eq 4.2-6.

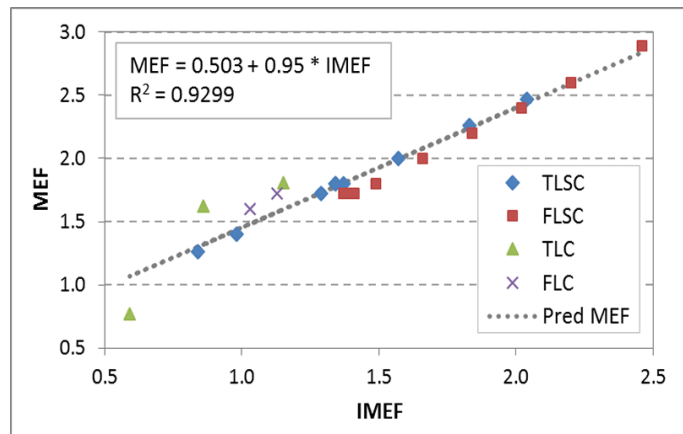


Figure 1. Correlation between IMEF and MEF for a variety of clothes washers.