



Setting the **Standards** for  
**Home Energy Efficiency**

## Interpretation on ANSI/RESNET/ICC 301-2014 Clothes Dryer CEF

**Designation:** 301-2014-010

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**Applies to:** ANSI/RESNET/ICC 301-2014 Section 4.2.2.5.2.8, Clothes Dryers

**Interpretation:** For clothes dryers, the Combined Energy Factor (CEF) multiplied by 1.15 will be used in place of the Energy Factor (EF) for Home Energy Ratings.

**Rationale:** In Department of Energy (DOE) 10 CFR Parts 429 and 430, the amended clothes dryer test procedures stipulate the Combined Energy Factor (CEF) as the efficiency metric effective September 13, 2013. The CEF includes the active drying cycle energy as well as energy consumed during Stand-by and Off modes. Due to the changes in the new test procedures, there is no direct conversion of the Energy Factor (EF) to the CEF.

According to DOE estimates, under the new test procedures, the Energy Factor of a standard clothes dryer would increase from 3.01 to 4.39. The annual energy consumption for the clothes dryer would decrease from 967 to 684 kWh/yr. To match the annual energy consumption estimates of the new DOE clothes dryer test procedures, multiplying the CEF by 1.15 would meet those estimates. This works equally well for gas clothes dryers. The Energy Factor of the gas clothes dryer would increase from 2.67 to 3.9 while annual energy decreases from 1,091 to 748 kWh/yr.