

U.S. Environmental Protection Agency
ENERGY STAR® Labeled Products: Verification Testing
2012 Summary

In order to ensure that ENERGY STAR labeled products meet consumer performance expectations on an ongoing basis, a subset of models are subject to verification testing each year. This testing occurs through four complimentary programs, two of which are focused exclusively on lighting.

Verification Testing Rates

ENERGY STAR qualified products available for sale in the United States are subject to verification testing to ensure they continue to meet performance requirements. In 2012, 1169 models underwent verification testing. Of these:

- 830 models were tested through verification testing administered by EPA-recognized certification bodies (CBs). Further details on the verification testing process for CBs are available at www.energystar.gov/CBresources.
- 204 appliance, heating and cooling equipment, and commercial food service equipment, models were tested through U.S. Department of Energy (DOE) administered verification testing. The “[ENERGY STAR Appliance Verification Testing – Pilot Program Summary Report](#)” 2012 report provides details on DOE-administered verification testing.
- 113 compact fluorescent lamp models were tested through the ENERGY STAR CFL Third Party Testing and Verification program. A detailed report with test results from [Batch 3](#) is available at www.energystar.gov/integrity.
- 22 luminaire models were tested through EPA administered verification testing under the Quality Assurance Testing for Residential Light Fixtures and Solid State Lighting Luminaires program. The [Quality Assurance Testing Guidelines and Procedures Manual](#) and results are available at www.energystar.gov/integrity. Luminaires verification testing transitioned to the CB-administered process on April 1, 2012.

The overall compliance rate was 93%. [Table 1](#) provides a detailed summary of results.

Disqualification

ENERGY STAR qualified models that fail to meet ENERGY STAR requirements during verification testing are subject to EPA's [disqualification procedures](#). In 2012, EPA disqualified 87 *unique* models as a result of verification testing. Additional, separately-branded versions of the 87 models were also disqualified. [Table 2](#) summarizes the 87 unique disqualified models by product category.

The current lists of disqualified models are available at www.energystar.gov/integrity.

Table 1. 2012 Verification Testing Results

<i>Product Category</i>	<i>Number of Models Tested</i>
Appliances	
Clothes Washers	59
Dishwashers	39
Refrigerators and Freezers	85
Total	183

Heating and Cooling	
Boilers	41
Central Air Conditioners and Air Source Heat Pumps (CAC ASHP)	166
Dehumidifiers	35
Furnaces	41
Geothermal Heat Pumps	29
Light Commercial HVAC	6
Room Air Cleaners and Purifiers	36
Room Air Conditioners	83
Water Heaters	59
Total	496
Commercial Food Service	
Commercial Dishwashers	0
Commercial Fryers	1
Commercial Griddles	0
Commercial Hot Food Holding Cabinets	4
Commercial Ice Machines	13
Commercial Ovens	0
Commercial Refrigerators and Freezers	26
Commercial Steam Cookers	5
Total	49
Electronics and Office Equipment	
Audio/Video	2
Battery Charging Systems (BCSs)	2
Computers	56
Displays	26
Enterprise Servers	9
Imaging Equipment	28
Set-Top Boxes and Cable Boxes	3
Telephony	4
Televisions	32
Total	162
Lighting and Fans	
Ceiling Fans	0
Compact Fluorescent Lamps (CFLs)	113
Decorative Light Strings	2
Integral LED Lamps	0
Luminaires	22
Ventilating Fans	18
Total	155

Home Building Materials	
Roofs	119
Total	119
Other	
Vending Machines	3
Water Coolers	2
Total	5
Total Models Tested	1169

Table 2. Number of Models Disqualified by Product Category

<i>Product Category</i>	<i>Number of Unique Disqualifications</i>
Boilers	1
CAC ASHP	6
CFLs	54
Clothes Washers	1
Dehumidifiers	1
Geothermal Heat Pumps	1
Refrigerators and Freezers	3
Residential Light Fixtures	3
Roof Products	3
Room Air Cleaners	2
Room Air Conditioners	1
Solid-state Lighting Luminaires	4
Televisions	1
Ventilating Fans	5
Water Heaters	1
Total	87