

U.S. Environmental Protection Agency
ENERGY STAR® Labeled Products: Verification Testing
2011 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 2011, 811 models underwent verification testing. Of these:

- 590 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.
- 108 appliance and heating and cooling equipment models were tested through U.S. Department of Energy (DOE) administered verification testing. The “[DOE Verification Testing in Support of ENERGY STAR](#)” 2011 report provides details on DOE-administered verification testing.
- 100 compact fluorescent lamp models were tested through the ENERGY STAR CFL Third Party Testing and Verification program. Detailed reports with test results from [Batch 1](#) and [Batch 2](#) are available at www.energystar.gov/integrity.
- 13 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](#). As a result of 2011 verification testing, EPA disqualified 53 models based on testing failures. Additional separately branded versions of the 53 disqualified models were also disqualified. [Table 2](#) provides a detailed summary of the number of unique models disqualified by product category.

The current list of disqualified models is available at www.energystar.gov/integrity.

Table 1. 2011 Verification Testing Results

| <i>Product Category</i> | <i>Number of Models Tested</i> |
|----------------------------|--------------------------------|
| Appliances | |
| Clothes Washers | 2 |
| Dishwashers | 8 |
| Refrigerators and Freezers | 90 |
| Total | 100 |

| Heating and Cooling | |
|---|------------|
| Boilers | 42 |
| Central Air Conditioners and Air Source Heat Pumps (CAC ASHP) | 198 |
| Dehumidifiers | 26 |
| Furnaces | 80 |
| Geothermal Heat Pumps | 26 |
| Light Commercial HVAC | 8 |
| Room Air Cleaners and Purifiers | 21 |
| Room Air Conditioners | 82 |
| Water Heaters | 26 |
| Total | 509 |
| Commercial Food Service | |
| Commercial Dishwashers | 0 |
| Commercial Fryers | 0 |
| Commercial Griddles | 0 |
| Commercial Hot Food Holding Cabinets | 0 |
| Commercial Ice Machines | 9 |
| Commercial Ovens | 0 |
| Commercial Refrigerators and Freezers | 2 |
| Commercial Steam Cookers | 0 |
| Total | 11 |
| Electronics and Office Equipment | |
| Audio/Video | 3 |
| Battery Charging Systems (BCSs) | 1 |
| Computers | 2 |
| Displays | 1 |
| Enterprise Servers | 0 |
| Imaging Equipment | 4 |
| Set-Top Boxes and Cable Boxes | 1 |
| Telephony | 3 |
| Televisions | 0 |
| Total | 15 |
| Lighting and Fans | |
| Ceiling Fans | 0 |
| Compact Fluorescent Lamps (CFLs) | 100 |
| Decorative Light Strings | 0 |
| Integral LED Lamps | 0 |
| Luminaires | 13 |
| Ventilating Fans | 57 |
| Total | 170 |

| Home Building Materials | |
|----------------------------|------------|
| Roofs | 6 |
| Total | 6 |
| Other | |
| Vending Machines | 0 |
| Water Coolers | 0 |
| Total | 0 |
| Total Models Tested | 811 |

Table 2. Number of Models Disqualified by Product Category

| <i>Product Category</i> | <i>Number of Unique Disqualifications</i> |
|----------------------------|---|
| Audio/Video | 3 |
| CAC ASHP | 1 |
| CFLs | 32 |
| Geothermal Heat Pumps | 1 |
| Luminaires | 4 |
| Refrigerators and Freezers | 5 |
| Room Air Conditioners | 6 |
| Ventilating Fans | 1 |
| Total | 53 |