

**U.S. Environmental Protection Agency
ENERGY STAR® Labeled Products: Verification Testing
2019 Summary**

In order to ensure that ENERGY STAR labeled products meet energy savings expectations on an ongoing basis, a subset of models is subject to verification testing each year.

Verification Testing Rates

ENERGY STAR certified products available for sale in the United States are subject to verification testing to ensure they continue to meet specification requirements. In 2019, 2,012 models underwent verification testing. Table 1 provides a detailed summary of the tested model counts by product category. Additionally, there were 12 Commercial Steam Cooker models verified through the [Component Inspection Program](#) in 2019.

All of these models were selected for 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.

The overall compliance rate was 94%.

Disqualification

ENERGY STAR certified models that fail to meet ENERGY STAR requirements during verification testing are subject to EPA's disqualification procedures. In 2019, EPA disqualified 126 *unique* models as a result of verification testing. Additionally, associated versions of the 126 models were disqualified. Tables 2a and 2b summarize the 126 unique disqualified models by product category.

The current lists of disqualified models are available on the [Integrity Efforts for ENERGY STAR Products webpage](#).

Table 1. 2019 Verification Testing Counts by Product Category

Product Category	Number of Models Tested
Appliances	
Clothes Dryers	13
Clothes Washers	16
Dishwashers	22
Lab Grade Refrigerators and Freezers	11
Refrigerators and Freezers	83
Total	145
Commercial Food Service	
Commercial Dishwashers	14
Commercial Fryers	9
Commercial Griddles	4
Commercial Hot Food Holding Cabinets	7
Commercial Ice Machines	6
Commercial Ovens	14
Commercial Refrigerators and Freezers	42
Commercial Steam Cookers	1
Total	97
Electronics and Office Equipment	
Audio/Video Equipment	16
Computers	48
Displays	70
Imaging Equipment	101
Set-top Boxes and Cable Boxes	2
Telephony	11
Televisions	2
Uninterruptible Power Supplies	9
Total	259
Heating and Cooling	
Boilers	21
CAC ASHP	100
Commercial Boilers	1
Dehumidifiers	17
Furnaces	44
Geothermal Heat Pumps	16
Light Commercial HVAC	1
Room Air Cleaners and Purifiers	72
Room Air Conditioners	24
Residential Water Heaters	38

Total	334
Home Building Materials	
Windows, Doors, and Skylights	84
Total	84
Lighting and Fans*	
Ceiling Fans	6
Lamps	351
Luminaires	637
Ventilating Fans	27
Decorative Light Strings	55
Total	1076
Other	
Pool Pumps	3
Water Coolers	14
Total	17
Total Models Tested	2012

Table 2a. Number of Models Disqualified in 2019 by Non-Lighting Product Category

<i>Non-Lighting Category</i>	Models Disqualified in 2019
Audio/Video	1
Boilers	1
Ceiling Fans	1
Commercial Dishwashers	3
Commercial Fryers	2
Commercial Griddles	1
Commercial Ovens	3
Commercial Refrigerators and Freezers	4
Imaging Equipment	1
Roof Products	3
Televisions	1
Ventilating Fans	3
Windows, Doors, and Skylights	3
Total	27

Please note that models *disqualified* in 2019 may have failed verification testing in a previous VT year.

Table 2b. Number of Models Disqualified in 2019 by Lighting Product Category

Lighting Category	Models Disqualified in 2019
Lamps - LED	66
Luminaires	31
Decorative Light Strings	2
Total	99

Please note that models *disqualified* in 2019 may have failed verification testing in a previous VT year.