



Recognition Criteria Televisions

Scope

Included products. Televisions, as defined below, are eligible for ENERGY STAR® Most Efficient recognition in 2015.

Television: A commercially available electronic product designed primarily for the reception and display of audiovisual signals received from terrestrial, cable, satellite, Internet Protocol TV (IPTV), or other digital or analog sources. A TV consists of a tuner/receiver and a display encased in a single enclosure. Liquid crystal display (LCD) and plasma display panel (PDP) are examples of common display technologies.

Excluded products: None.

Recognition Criteria

1) Product must be ENERGY STAR certified consistent with applicable ENERGY STAR Partner Commitments and the requirements set forth in the ENERGY STAR Program Requirements Product Specification for Televisions currently in effect. Product performance must be certified by a certification body recognized by the U.S. Environmental Protection Agency (EPA).

2) Additional requirement:

$$P_{\max} = 65.5 * \tanh(0.00046(\text{Area}-140)+0.01)+14.5$$

P_{\max} = maximum allowable On Mode Power consumption in W

A = viewable screen area of the product in square inches; TANH = hyperbolic tangent function

Recognition Period

EPA will add qualifying models to the ENERGY STAR Most Efficient 2015 product list for televisions from January 1, 2015 through December 30, 2015. The ENERGY STAR Most Efficient 2015 designation may be used in association with models recognized during this period for as long as the model remains on the market.