

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460



OFFICE OF
AIR AND RADIATION

February 19, 2021

Dear ENERGY STAR® Clothes Washer Manufacturers, ENERGY STAR® Clothes Dryer Manufacturers, and Other Interested Parties,

The U.S. Environmental Protection Agency (EPA) is presenting [a draft amendment to the ENERGY STAR Clothes Washers specification](#) to expand the scope to enable combination all-in-one washer-dryers with air-only drying to earn the ENERGY STAR. Expanding the scope of the specification will allow consumers who seek these types of products to find those that deliver the best in energy efficiency.

To support this scope expansion, EPA proposes the addition of multiple definitions and edits to the scope exclusion list as highlighted in yellow below. Further, EPA is adding language to the certification criteria specifying that, in addition to meeting relevant washer criteria, combination all-in-one washer-dryers must meet the ENERGY STAR dryer criteria applicable for the product type it best matches if it were a stand-alone dryer. The proposal specifies any connected allowance may be applied to either the clothes washer criteria or the dryer criteria, but not both and exempts the dryer from the maximum dry-time requirement. This amendment to the clothes washer specification, when final, will be published as ENERGY STAR Version 8.1 Clothes Washers specification. Manufacturers will be able to certify products meeting the new definition immediately upon publication, and currently certified products will not be affected.

Stakeholders may provide comments to EPA on these proposed changes no later than April 2, 2021.

Key Proposed Definitions Edits

Combination All-in-One Washer-Dryer: A consumer product that meets the definition of a Residential Clothes Washer and Electric Clothes Dryer or Gas Clothes Dryer, which cleans and dries clothes in a single tumble-type drum; a drying cycle can be performed independently without first performing a wash cycle.

- a) Combination All-in-One Washer-Dryer with Air-Only Drying: A Combination All-in-One Washer-Dryer that uses circulated air (without the use of water) to cool and condense moisture from the dryer process air, during the dry cycle.
- b) Combination All-in-One Washer-Dryer with Water-Cooled Drying: A Combination All-in-One Washer-Dryer that uses tap water to cool and condense moisture from the dryer process air, during the dry cycle.

Proposed Changes to the Excluded Products List

Excluded Products: The following products are not eligible for ENERGY STAR certification:

- i) Products with a primary clothes washer drum volume of less than 1.6 cubic feet
- ii) Products configured in any way other than a front- or top-loading design
- iii) Combination All-in-One Washer-Dryers with Water-Cooled Drying
- iv) Residential Clothes Washers with Heated Drying Functionality
- v) Commercial Clothes Washers with a clothes container volume larger than 8.0 cubic feet
- vi) Commercial Clothes Washer with top-loading design

Additional Certification Criteria for Combination All-In-One Washer-Dryers:

1. Product shall meet the requirements in this specification and also meet the requirements in Sections 3 and 5 of the ENERGY STAR Eligibility Criteria for Clothes Dryers applicable for the product type it best matches if it were a stand-alone dryer. Combination all-in-one washer-dryers are exempt from the 80-minute maximum cycle time requirement in Section 3.A of the ENERGY STAR dryer specification.

Additional Connected Criteria for Combination All-In-One Washer-Dryers:

- a. A product meeting the definition of a clothes washer and the definition of a clothes dryer may only apply the Connected Allowance if:
 - i. the product meets the criteria in Section 4 of this specification,
 - ii. the product meets the criteria in Section 4 of the ENERGY STAR Eligibility Criteria for Clothes Dryers,
 - iii. is certified using the ENERGY STAR Clothes Washer Test Method to Validate Demand Response (TBD), and
 - iv. is certified using the ENERGY STAR Clothes Dryer Test Method to Validate Demand Response (TBD).
- b. Any connected allowance may be applied only once (i.e., either $IMEF_{Adder_Connected}$ in Equation 2 of this specification or $CEF_{Adder_Connected}$ in Equation 1 of the ENERGY STAR Eligibility Criteria for Clothes Dryers must be set to zero).

Any comments on this proposal may be submitted by April 2, 2021 to appliances@energystar.gov. The draft specification and related materials are available on the [clothes washers product development webpage](#). Please direct any specific questions to Ga-Young Park, EPA, at Park.Ga-Young@epa.gov or (202) 564-1085 and Steve Leybourn at ICF, Steve.Leybourn@icf.com or (202) 862-1566.

Thank you for your continued support of ENERGY STAR.

Sincerely,



Ga-Young Park
Product Manager for Appliances
ENERGY STAR Labeled Products