

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



OFFICE OF
AIR AND RADIATION

December 23, 2020

Dear ENERGY STAR® Room Air Conditioner Brand Owners and Other Interested Parties,

With this letter, the U.S. Environmental Protection Agency (EPA) is finalizing the Version 4.2 ENERGY STAR Room Air Conditioner specification. This amendment adds the option to certify models as having connected functionality through an Alternative Demand Response Validation (ADRV). This update does not affect currently certified products.

Recognizing the potential grid benefit and customer convenience of room air conditioners with connected capabilities, and in response to stakeholder requests to reduce the complexity of testing of such products, the EPA pursued this amendment with the intention of encouraging more ENERGY STAR models to be certified as connected.

With Version 4.2, EPA will allow manufacturers and brand owners the option to certify models as having connected functionality through an Alternative Demand Response Validation (ADRV). Manufacturers and brand owners with at least two models certified with connected functionality may forego demand response validation testing for new models by using an ADRV. The ADRV is a set of parameters developed and proposed by the manufacturer that predicts a basic model's ability to meet the demand response portion of the connected criteria. These parameters can include, but are not limited to, hardware and software documentation, connection types and capabilities, and computer simulations.

All stakeholder-submitted comments agreed with EPA's proposal, and no clarifications or edits were suggested. EPA thanks stakeholders for their comments in support of this amendment.

All materials related to this amendment are posted on the [ENERGY STAR Room Air Conditioner Version 4 development page](#). Please direct any specific questions to Park.Ga-Young@epa.gov or (202) 564-1085, or Steve Leybourn at Steve.Leybourn@icf.com or (202) 862-1566.

Thank you for your continued support of ENERGY STAR.

Sincerely,

A handwritten signature in blue ink that reads "Ga-Young Park".

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