

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



OFFICE OF
AIR AND RADIATION

September 11, 2024

Dear ENERGY STAR® Room Air Cleaner Partner or Other Interested Stakeholder,

The U.S. Environmental Protection Agency (EPA) invites the public to submit comments on the enclosed [Draft 1 ENERGY STAR Room Air Cleaners Version 3.0 Specification](#). EPA will hold a stakeholder webinar on October 2, 2024, at 1 p.m. ET to discuss the Draft 1 specification in greater detail. Comments on this draft proposal may be submitted to EPA no later than October 11, 2024.

Since the current Version 2.0 specification took effect in October 2020, the room air cleaner market has evolved significantly, with the market share of ENERGY STAR certified models rising in the past few years to 86%. This presents an opportunity for the ENERGY STAR program to deliver additional energy savings and improve the consumer value the label provides.

Overview of Draft 1 Proposal

The basis for this Draft 1 proposal is to adopt the PM_{2.5} Clean Air Delivery Rate (CADR) and Integrated Energy Factor (IEF) metrics and new Department of Energy (DOE) test procedure as well as increase the stringency to provide better market differentiation for ENERGY STAR room air cleaners and capture even greater energy, greenhouse gas, and cost savings. EPA is proposing that that room cleaners be 89-96% more efficient than the current minimum standard to qualify for ENERGY STAR. Approximately 25% of current base models meet the proposed levels. Based on a comparison of similar models with different efficiency performance, EPA found that energy cost savings paid back the incremental cost in less than one year for most product classes. As with all ENERGY STAR products, EPA is working with the DOE on this ENERGY STAR revision and will ensure the revision is informed by the DOE regulatory process.

The EPA highlights key changes associated with the ENERGY STAR Room Air Cleaners Version 3.0 specification below and provides rationale for these proposed changes in note boxes throughout the specification.

- **Criteria** – The EPA is aligning with DOE by shifting from Smoke CADR/W to IEF
- **Product Classes** – The EPA is changing the product classes from Smoke CADR bins to PM_{2.5} CADR bins
- **Test Method** – The EPA will reference the new DOE test procedure.

Stakeholder Webinar

The EPA will host a webinar to answer any questions on the Draft 1, Version 3.0 specification **on October 2, 2024 from 1-3 PM Eastern Time**. Please register [here](#) if you plan on attending.

Comment Submittal

Stakeholders are encouraged to provide written comments for the Draft 1 Version 3.0 Specification **no later than October 11, 2024**. Please send comments via e-mail to appliances@energystar.gov. All comments received will be posted to the [ENERGY STAR Room Air Cleaners Version 3 Specification Development webpage](#) unless the submitter specifically requests that the comments remain confidential.

Please contact Leybourn.Stephen@epa.gov or (202) 934-2262 or Fabria Jno. Baptiste, ICF, at

Fabria.JnoBaptiste@icf.com or Payal Hukeri, ICF, at Payal.Hukeri@icf.com, with any questions or concerns about the specification.

Thank you for your continued support of the ENERGY STAR program.

Sincerely,

A handwritten signature in black ink that reads "Steve Leybourn". The signature is written in a cursive style with a large, stylized initial "S".

Steve Leybourn, Product Manager ENERGY STAR Appliances

Enclosures:

[ENERGY STAR Room Air Cleaners Version 3.0 Draft 1 Specification](#)

[ENERGY STAR Room Air Cleaners Version 3.0 Draft 1 Data and Analysis Package](#)