

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



**OFFICE OF
AIR AND RADIATION**

March 13, 2024

Dear ENERGY STAR® Dehumidifiers Stakeholders:

The U.S. Environmental Protection Agency (EPA) invites the public to submit comments on the enclosed [Draft 1 ENERGY STAR Version 6.0 Dehumidifiers specification](#). EPA will hold a stakeholder webinar on March 28, 2024, at 1p.m. ET to discuss the Draft 1 specification in greater detail. Comments on this draft proposal may be submitted to EPA no later than April 12, 2024.

Since the current Version 5.0 specification took effect in February 2019, the dehumidifier market has evolved quite a bit, with the market share of ENERGY STAR certified models rising significantly in the past few years to 90%. 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 increase stringency to provide better market differentiation for ENERGY STAR dehumidifiers and capture even greater energy, greenhouse gas, and cost savings. EPA is proposing that to qualify for ENERGY STAR, dehumidifiers must be at least 18-58%, depending on product class, more efficient than the current minimum standard. Approximately 19% 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. EPA estimates that at the proposed levels of efficiency, annual cost savings will grow to over \$350 million and approximately 7 billion pounds of greenhouse gas emissions will be prevented each year. As with all ENERGY STAR products, EPA is working with DOE on this ENERGY STAR revision and will ensure the revision is informed by the DOE regulatory process.

Key elements of the Draft 1 proposal include:

- Integrated Energy Factor (IEF) criteria for portable dehumidifiers ≤ 25.00 pints/day, 25.01 to 50.00 pints/day, and ≥ 50.01 pints/day as well as for whole-home dehumidifiers with case volumes ≤ 8.0 cubic feet and > 8.0 cubic feet (as tested according to 10 CFR 430, Subpart B, Appendix X1).
- A minor update to the IEF definition to be in alignment with the DOE definition.

Stakeholder Meeting:

EPA will host a webinar on March 28, 2024, from 1–3PM Eastern Time to discuss the Draft 1 document and address initial stakeholder comments and questions. Please register to attend the webinar [here](#).

Comment Submittal:

The public is encouraged to provide written comments for EPA consideration to appliances@energystar.gov no later than **April 12, 2024**. As a reminder, all submitted comments will be posted to the [ENERGY STAR product development website](#) unless the submitter specifically requests their respective comments remain confidential.

Please contact me Steve Leybourn, EPA, at Leybourn.Stephen@epa.gov or 202-564-1191, or Payal Hukeri, ICF, at Payal.Hukeri@icf.com with questions or concerns. 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, flowing style.

Steve Leybourn, Product Manager ENERGY STAR Appliances
U.S. Environmental Protection Agency

Enclosures:

[ENERGY STAR Version 6.0 Dehumidifier Draft 1 Specification](#)
[ENERGY STAR Version 6.0 Dehumidifier Data & Analysis Package](#)