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



OFFICE OF AIR AND  
RADIATION

December 16, 2022

Dear ENERGY STAR® Residential Electric Cooking Product Manufacturers and Other Interested Stakeholders:

With this letter, the U.S. Environmental Protection Agency (EPA) is releasing the ENERGY STAR Version 1.0 Residential Electric Cooking Products Draft 1 Specification. Stakeholders are encouraged to submit comments to EPA no later than January 27, 2023. EPA will host a [webinar](#) on January 11, 2023 to discuss this Draft 1 specification.

ENERGY STAR is a voluntary partnership between government, businesses, and purchasers designed to encourage the manufacture, purchase, and use of efficient products to help protect the environment. Products that earn the ENERGY STAR label prevent greenhouse gas emissions by meeting strict energy efficiency guidelines set by EPA in consultation with stakeholders. To date:

- More than 90% of American households recognize the ENERGY STAR label,
- In 2020, more than 2000 manufacturers and 1900 retailers partnered with ENERGY STAR to make and sell millions of ENERGY STAR certified products across more than 75 residential and commercial product categories.
- More than 840 utilities, state and local governments, and nonprofits leverage ENERGY STAR in their efficiency programs, reaching roughly 97% of households in all 50 states. Nationwide, utilities invested \$8.4 billion in energy efficiency programs in 2019.
- Since 1992, ENERGY STAR and its partners helped American families and businesses save 5 trillion kilowatt-hours of electricity, avoid more than \$450 billion in energy costs, and achieve 4 billion metric tons of greenhouse gas reductions.

Electric cooking products are present in 60% of U.S. homes according to the 2020 Residential Energy Consumption Survey ([RECS](#))<sup>1</sup>. EPA is launching the development of an ENERGY STAR specification for residential electric cooking products as momentum has rapidly built around the expansion of electric cooking, with city and state policymakers, manufacturers, and retailers eager for these products to grow their market presence. The ENERGY STAR program is well-positioned to support the market's evolution towards efficient electric by raising consumer awareness, convening interested stakeholders, and recognizing innovation in this space. The efficiency level proposed in Draft 1 is 16% more efficient than the highest energy consuming electric cooking product evaluated by EPA. As such, the models recognized by this specification will reflect be recognizing the most efficient electric models, including induction, electric resistance, and coil, on the market.

**Overview of Draft 1 Proposal**

Key elements of the Draft 1 proposal include:

- Definitions and testing will be in accordance with [10 CFR 430, Subpart B, Appendix I1 - Uniform Test Method for Measuring the Energy Consumption of Conventional Cooking Products](#). In consultation with DOE, some definitions in the draft specification were adjusted for ENERGY STAR purposes consistent with the Agency's intent to cover electric cooking products.
- Scope of the draft specification for residential electric cooking products includes electric ranges as well as standalone electric cooking tops.
- Certification criteria based on the Integrated Annual Energy Consumption (IAEC) (kWh/year)

#### **Comment Submittal**

EPA welcomes stakeholder input on the attached ENERGY STAR Version 1.0 Residential Electric Cooking Products Draft 1 Specification. Stakeholders are encouraged to submit any comments to [appliances@energystar.gov](mailto:appliances@energystar.gov) by **January 27, 2023**. By this same deadline, EPA will also accept additional data for any electric cooking top/range products tested to Appendix I1 to Subpart B of Part 430 - Uniform Test Method for Measuring the Energy Consumption of Conventional Cooking Products. Data used for purposes of setting specification levels do not need to be third-party certified.

All comments will be posted to the [ENERGY STAR Residential Electric Cooking Products Version 1.0 Product Development website](#) unless the submitter requests otherwise.

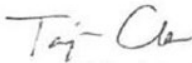
#### **Stakeholder Webinar**

EPA will host a webinar on Wednesday, **January 11, 2023**, from 1:00pm – 3:00pm ET to address stakeholder comments and questions. Stakeholders interested in participating in this discussion should register [here](#).

Please contact me at [Crk.Tanja@epa.gov](mailto:Crk.Tanja@epa.gov) or 202-650-7522, Fabria Jno Baptiste (ICF) at [Fabria.JnoBaptiste@icf.com](mailto:Fabria.JnoBaptiste@icf.com) or 571-842-4949, and Steve Leybourn (ICF) at [Steve.Leybourn@icf.com](mailto:Steve.Leybourn@icf.com) or 202-862-1566 for questions or concerns. For questions about the test method, please contact Carl Shapiro, DOE, at [Carl.Shapiro@ee.doe.gov](mailto:Carl.Shapiro@ee.doe.gov).

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

Sincerely,



Tanja Crk, Product Manager  
ENERGY STAR

Enclosures:

[ENERGY STAR Version 1.0 Residential Electric Cooking Products Draft 1 Specification](#)  
[ENERGY STAR Version 1.0 Residential Electric Cooking Products Draft 1 Data & Analysis](#)

<sup>1</sup> U.S. Energy Information Administration, Office of Energy Demand and Integrated Statistics, Form EIA-457A of the 2020 Residential Energy Consumption Survey

For more information, visit: [www.energystar.gov](http://www.energystar.gov)