



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

OFFICE OF  
AIR AND RADIATION

May 31, 2023

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 2 Specification. Stakeholders are encouraged to submit comments to EPA no later than June 30, 2023. EPA will host a webinar on June 21, 2023, to discuss this Draft 2 specification.

**Activities to Date**

The ENERGY STAR Residential Electric Cooking Products Version 1.0 Draft 1 specification was released on December 15, 2022. EPA hosted a webinar on January 11, 2023, to discuss the specification with stakeholders and gather initial feedback. EPA received comments from multiple stakeholders in response to the Draft 1 specification.

Most stakeholders expressed support for the development of this residential cooking products specification, noting it will provide market guidance at a key time. Some stakeholders proposed a more stringent IAEC level, while others recommended that the level be eased to account for an engineering margin between the tested values and reported values. Additionally, one stakeholder suggested that the levels be relaxed to allow more radiant products to qualify. Another stakeholder suggested removing oven standby mode energy use from the criteria. Based on analysis of the available test data, EPA believes that the originally proposed levels are justified. EPA also agrees with the commenter who notes that with time more data will become available and enable further criteria refinements that can be reflected in a Version 2.0 specification.

Several stakeholders expressed support for additional reporting. A stakeholder proposed induction cooking tops be a separate product class. A different stakeholder requested EPA align the product classes with DOE. Some stakeholders expressed reservations about using the DOE test procedure to qualify products. EPA addresses each of these comments in the [Draft 1 comment response matrix](#).

Some stakeholders encouraged the specification to move forward as soon as possible, while other stakeholders indicated more time is necessary. EPA anticipates finalizing the ENERGY STAR Residential Electric Cooking Products Version 1.0 in the summer of 2023.

Multiple stakeholders requested the EPA offer a savings and payback analysis, which EPA is providing in the [Draft 2 data package](#) and further explanation in the corresponding note box in the Draft 2 specification.

Electric cooking products are present in 60% of U.S. homes according to the 2020 Residential Energy Consumption Survey (RECS)<sup>1</sup>. As momentum has rapidly built around the expansion of electric cooking, many are eager to understand the savings potential. Since Draft 1 was published, DOE published a

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<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 (RECS)

Technical Support Document, which provides baseline levels for coil and smooth electric products. With these baseline levels, EPA estimates the proposed ENERGY STAR efficiency level is 16% more efficient in annual energy consumption, electricity costs, and emissions, compared to a weighted baseline efficiency level using DOE's market share estimates for smooth and coil electric product types.

### **Overview of Draft 2 Proposal**

The EPA has considered all stakeholder comments and addresses them in the Draft 2 specification including explanations in section note boxes, the Draft 1 comment response matrix as well as the Draft 2 data package.

Key elements of the Draft 2 proposal include:

- Simplifying the wording for the additional reporting requirement of the annual combined low-power mode energy consumption ( $E_{TLP}$ ), excluding the following clause: "of the conventional electric cooking top component of a combined electric cooking product," and replacing it with "of the cooking top." The reporting requirement is written as follows: "annual combined low-power mode energy consumption of the cooking top ( $E_{TLP}$ )." The annual combined low-power mode energy consumption for the combined cooking product (conventional range) and conventional electric oven component can be calculated from the annual combined low-power mode energy consumption of the conventional electric cooking top component.
- Providing savings analysis in the Draft 2 data package.

### **Comment Submittal**

EPA welcomes stakeholder input on the attached ENERGY STAR Version 1.0 Residential Electric Cooking Products Draft 2 Specification. Stakeholders are encouraged to submit any comments to [appliances@energystar.gov](mailto:appliances@energystar.gov) by **June 30, 2023**.

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

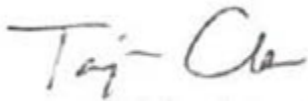
### **Stakeholder Webinar**

EPA will host a webinar on Wednesday, **June 21, 2023**, from 1:00pm – 2:00pm 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 2 Specification](#)  
[ENERGY STAR Version 1.0 Residential Electric Cooking Products Draft 2 Data Package](#)  
[ENERGY STAR Version 1.0 Residential Electric Cooking Products Draft 1 Stakeholder Comment Response Matrix](#)