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



OFFICE OF AIR AND
RADIATION

October 18, 2018

Dear ENERGY STAR® Commercial Oven Brand Owner or Other Interested Party:

With this letter, the U.S. Environmental Protection Agency (EPA) is informing stakeholders of its intention to revise the ENERGY STAR Commercial Oven specification in response to advances in energy efficiency and to expand the scope to additional sizes of combination ovens. To propose levels for this expanded set of product types, EPA is assembling performance data and invites stakeholders to participate in this effort. EPA asks that interested stakeholders provide performance data using the accompanying template no later than December 13, 2018, to commercialovens@energystar.gov.

Overview

Based on the 2017 [ENERGY STAR Unit Shipment and Market Penetration Report Calendar Year 2017 Summary](#), ENERGY STAR certified commercial ovens currently represent approximately 59% of the market. In recognition of the movement of the market toward more efficient ovens, and in the interest of better differentiating products for purchasers who prioritize efficiency, EPA is revising the ENERGY STAR criteria for these products. An equally important driver for this revision is expanding the scope of covered products to allow small gas and electric and large electric convection ovens to earn the ENERGY STAR.

Since first recognizing efficient commercial ovens with the ENERGY STAR label in 2009, EPA has expanded the scope of the specification numerous times to the benefit of purchasers and brand owners. When first evaluating the commercial ovens market to identify equipment categories suitable for ENERGY STAR specification development, convection ovens offered the best opportunity for ENERGY STAR labeling and Version 1.0 requirements were published in May 2009. At that time, EPA informed stakeholders that additional oven categories would be evaluated and considered for inclusion in the product category, as performance data were made available for review and analysis.

In April 2013, EPA released a subsequent Version 2.0 Commercial Ovens specification that expanded the scope to include various size ranges of half- and full-size, gas and electric combination ovens. However, large capacity electric and smaller capacity gas and electric models remained excluded, as well as 2/3-size combination ovens due to lower market shares and insufficient performance data.

In 2015, EPA's market review resulted in the addition of gas rack ovens in Version 2.2. Today, EPA's preliminary market and technology research shows an increase in demand for the smaller capacity and larger capacity combination ovens. Consequently, EPA is now planning a scope expansion that will add these products to the ENERGY STAR Commercial Ovens specification.

Performance Data

With this scope expansion in mind, EPA is assembling data for the combination oven sizes identified below to determine appropriate levels and assess possible energy savings. Steam and convection mode idle energy and cooking-energy efficiency data submitted to EPA for consideration should be based on testing that follows the American Society of Testing and Materials (ASTM) F2861-17, *Standard Test Method for Enhanced Performance of Combination Oven in Various Modes*. Combination ovens of particular interest, include:

- 2/3-Size Gas and Electric Combination Ovens
- Half- and Full-Size Gas Combination Ovens with a pan capacity of 5 or less
- Half- and Full-Size Electric Combination Ovens with a pan capacity of 4 or less and those with a pan capacity of greater than 20

The following is a list of key information and performance data that EPA is interested in for each oven:

1. Size (2/3, Half, or Full)
2. Fuel Type (Gas or Electric)
3. Input Rate (Btu/h or kW)
4. Gas Idle Energy Rate in Steam and Convection Modes (Btu/h)
5. Electric Idle Energy Rate in Steam and Convection Modes (kW)
6. Cooking-Energy Efficiency in Steam and Convection Modes (%)
7. Production Capacity in Steam and Convection Modes (lbs/h)

Please send data via e-mail to commercialovens@energystar.gov by December 13, 2018. Note that data submitted and used by EPA to set specification levels is not required to be third-party certified.

Comment Submittal

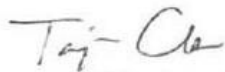
All data transmitted via e-mail to commercialovens@energystar.gov and received by **December 13, 2018**, will be considered by EPA in preparing the Draft 1 Version 3.0 proposal. As EPA moves forward with developing these new levels, the Agency will continue to solicit input from all stakeholders on an ongoing basis via draft specifications, e-mail/phone correspondence, and stakeholder meetings.

The exchange of ideas and information between the EPA, industry, and other interested parties is critical to the success of ENERGY STAR. Specifications and meeting materials will be distributed via email and posted on the ENERGY STAR website. To track the EPA's progress on this specification, please visit the [product development website](#) on commercial ovens.

Please feel free to contact me at (202) 566-1037 and Crk.Tanja@epa.gov or Adam Spitz, ICF, at (916) 231-7685 and Adam.Spitz@icf.com with any questions or comments.

Thank you for your continued support of ENERGY STAR. I look forward to working with you during the specification revision process.

Sincerely,



Tanja Crk, Product Manager
ENERGY STAR Commercial Food Service
U.S. Environmental Protection Agency

Enclosures:

[Commercial Ovens Version 3.0 Specification Data Assembly Template](#)

For more information, visit: www.energystar.gov

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