

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



OFFICE OF AIR AND RADIATION

March 30, 2015

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

With this letter, the U.S. Environmental Protection Agency (EPA) is launching an effort to expand the scope of the ENERGY STAR Version 2.1 Commercial Oven specification to include rack ovens. This memorandum outlines EPA's primary objectives and timeline for finalizing the new Version 2.2 specification.

Overview

In 2007, EPA first evaluated the commercial oven market to identify equipment categories suitable for ENERGY STAR specification development. At that time, it was determined that convection ovens offered the best opportunity for ENERGY STAR labeling and Version 1.0 requirements were published in May 2009. EPA indicated to 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 combination ovens.

Based on market and technology research conducted last year, rack ovens were identified as the next viable category for inclusion in the ENERGY STAR Commercial Ovens specification. In preparation for this launch, EPA assembled a data set based on idle energy and baking-energy efficiency values provided by the Pacific Gas and Electric (PG&E's) Food Service Technology Center (FSTC), oven manufacturers, and other stakeholders. EPA will rely on this data set to develop proposed performance levels. EPA anticipates releasing a Draft 1 Version 2.2 specification for stakeholder review prior to the upcoming National Restaurant Association (NRA) Show. EPA will host a stakeholder meeting during the NRA Show on May 18, 2015, to discuss the ENERGY STAR specification development process and the Draft 1 criteria for rack ovens. More details regarding the stakeholder meeting will be distributed over the next few weeks.

Performance Data

EPA is interested in reviewing additional data for rack ovens of various sizes (including; mini, single, double, triple, and quadruple) to ensure that the Version 2.2 levels are representative of current product availability. Idle energy and baking-energy efficiency data submitted to EPA for consideration should be based on testing that follows the American Society of Testing and Materials (ASTM) F2093-11, Standard Test Method for the Performance of Rack Ovens. EPA plans to reference this test method in the Version 2.2 specification for purposes of certifying rack ovens. Please send data submissions via e-

mail to commercialovens@energystar.gov by **May 1, 2015**. Note that data submitted and used by EPA to set specification levels is not required to be third-party certified.

EPA's intention is to address both electric and gas rack ovens in the Version 2.2 specification. However, the current data set is not representative of electric ovens, and as such, EPA will be unable to determine ENERGY STAR levels for electric rack ovens. However, manufacturers with electric rack ovens are encouraged to share data and information with EPA over the next several weeks for Draft 1 consideration.

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

1. Size (i.e., Single, Double, etc.)
2. Fuel Type (Gas or Electric)
3. Input Rate (Btu/h or kW)
4. Gas Idle Energy Rate (Btu/h)*
5. Electric Idle Energy Rate (kW)
6. Baking-Energy Efficiency (%)
7. Production Capacity (lbs/hr)

*Note, for gas ovens, please include the electric idle energy rate separately from the gas idle energy rate.

Other Oven Types

EPA has reviewed the ENERGY STAR certified products list for convection and combination ovens, and talked with a range of partners about the efficiency of their currently available products. Based on this review, the Agency is not proposing changes to the eligibility criteria for these products. As such, existing products will retain their current certification once the Version 2.2 takes effect. Should stakeholders have comments regarding the current requirements or the Agency's proposal to maintain current requirements, please submit your feedback to commercialovens@energystar.gov

Comment Submittal

All comments and data transmitted via e-mail to commercialovens@energystar.gov and received by **May 1, 2015** will be considered by EPA in preparing the Draft 1 Version 2.2 proposal. As EPA moves forward with developing these new requirements, the Agency will continue to solicit input from all stakeholders on an ongoing basis via subsequent draft specifications, e-mail/phone correspondence, and stakeholder meetings.

All EPA correspondence and specification documents will be posted throughout the specification development process to the ENERGY STAR Commercial Ovens specification development webpage, which can be accessed through www.energystar.gov/revisedspecs (click on the Commercial Ovens Version 2.2 link). In addition, all written comments received by EPA will be posted to this webpage unless requested otherwise by the submitter.

The exchange of ideas and information between EPA, stakeholders, and other interested parties is critical to the success of ENERGY STAR. Your input is very valuable during this specification development process. If you are not familiar with the ENERGY STAR Guiding Principles, you are encouraged to review them at www.energystar.gov/productdevelopment.

Please feel free to contact me at (202) 564-2984 and hesla.kirsten@epa.gov or Adam Spitz, ICF International, at (202) 862-1226 and adam.spitz@icfi.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,

A handwritten signature in cursive script that reads "Kirsten Hesla". The signature is written in black ink on a white background.

Kirsten Hesla, Product Manager
ENERGY STAR Commercial Ovens