

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



OFFICE OF  
AIR AND RADIATION

May 30, 2012

Dear ENERGY STAR® Commercial Dishwasher Manufacturer or Other Interested Party:

The U.S. Environmental Protection Agency (EPA) is pleased to share with you the attached Final Draft ENERGY STAR Version 2.0 Commercial Dishwasher specification. EPA would like to thank the many stakeholders who have invested time and effort over the past many months to contribute feedback that has informed this specification development process.

This document outlines the proposed new water and energy efficiency requirements that Commercial Dishwashers would need to meet in order to earn the ENERGY STAR. It is intended that once final, this document will replace the current Version 1.1 specification. The anticipated effective date for the Version 2.0 requirements is February 1, 2013. Manufacturers may begin certifying Commercial Dishwashers, including Flight Type machines, to the Version 2.0 specification as soon as it is final.

The proposed Final Draft requirements reflect comments received on the previous Draft 3 version, discussions held during the October Draft 3 ENERGY STAR stakeholder meeting, and recent changes made to the ENERGY STAR Test Method.

The following key changes are proposed in this Final Draft version:

- **Definitions** – Minor edits have been made to definitions for machine types, modes, and metrics based on stakeholder feedback.
- **Performance Levels** – Idle energy rate levels have been adjusted slightly for high temp stationary single tank door type models as well as pot, pan, utensil models (both high and low temp).
- **Water Consumption Calculations** – The gallons per rack (GPR) calculations have been moved to the ENERGY STAR Test Method.
- **User Adjustable Conveyor Speeds** – A clarification has been added that conveyor machines offering multiple speeds adjustable by the end user must meet the ENERGY STAR requirements using the maximum conveyor speed setting. In addition, water consumption using the slowest conveyor speed shall be reported to EPA and listed on the ENERGY STAR website.
- **Post Sanitizing Rinse** – A clarification has been added that rinse water consumption for machines offering a post sanitizing rinse must be measured with this additional rinse feature turned on.
- **Effective Date** – An effective date of February 1, 2013 is now proposed to provide manufacturers appropriate time to transition collateral material to the new requirements. EPA anticipates finalizing this Version 2.0 specification by June 18, 2012.

These proposed changes, and additional minor updates, are identified and discussed in greater detail within text boxes presented throughout the attached Final Draft specification.

### **Final ENERGY STAR Test Method**

The U.S. Department of Energy (DOE) has finalized validation and development of the ENERGY STAR Test Method, which outlines the procedures and conditions to be used for water consumption and idle energy measurements under the new Version 2.0 specification. This Test Method is based on current NSF and ASTM test standards for Commercial Dishwashers. As of February 1, 2013 all Commercial Dishwashers associated with the ENERGY STAR label must be third-party certified to Version 2.0 using this Test Method. In most cases, this will not require retesting. Comments received on the Final Draft Test Method, distributed to stakeholders on April 4, 2012, will be posted to the ENERGY STAR website at [www.energystar.gov/revisedspecs](http://www.energystar.gov/revisedspecs) (click on "Commercial Dishwashers").

### **Submittal of Written Comments**

Comments on the Final Draft Version 2.0 specification should be submitted via email **by June 11, 2012** to [commercialdishwashers@energystar.gov](mailto:commercialdishwashers@energystar.gov). All comments will be posted to the ENERGY STAR Product Development website unless the submitter requests otherwise.

To track EPA's progress in revising the ENERGY STAR Commercial Dishwasher specification, visit the Product Development website at [www.energystar.gov/revisedspecs](http://www.energystar.gov/revisedspecs) and click on "Commercial Dishwashers". All specification development materials supporting the Final Draft proposal will be posted to this website.

### **Third-Party Certification**

Manufacturers are reminded that as of January 1, 2011 all new products must be certified by an EPA-recognized Certification Body (CB) before being labeled and marketed as ENERGY STAR. Upon satisfactory completion of all certification requirements, a CB will notify the ENERGY STAR Partner that the product is ENERGY STAR qualified and will submit qualified product data to EPA for listing on the ENERGY STAR website. For more information on the Third-party Certification program please visit [www.energystar.gov/3rdpartycert](http://www.energystar.gov/3rdpartycert).

Please direct any questions or concerns to me at [kent.christopher@epa.gov](mailto:kent.christopher@epa.gov) or (202) 343-9046 and Rebecca Duff, ICF International, at [rebecca.duff@icfi.com](mailto:rebecca.duff@icfi.com) and (434) 202-7875. Please direct specific questions on the Final Test Method to Ashley Armstrong, DOE, at [ashley.armstrong@ee.doe.dov](mailto:ashley.armstrong@ee.doe.dov) or (202) 586-6590.

Thank you for taking the time to review this draft specification.

Sincerely,



Christopher Kent,  
U.S. Environmental Protection Agency  
ENERGY STAR Product Specification Development