

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



OFFICE OF
AIR AND RADIATION

January 15, 2013

Dear Pool Pump 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 1.0 Pool Pump 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 energy efficiency requirements that pool pumps would need to meet in order to earn the ENERGY STAR. The anticipated effective date for the Version 1.0 requirements is February 15, 2013. The proposed Final Draft requirements are informed by comments received on the previous Draft 2 version, discussions held during the ENERGY STAR stakeholder meeting, and individual stakeholder discussions.

General support was expressed for the proposed energy factor requirement, which is unchanged from Draft 2. While the scope has not been expanded to include residential aboveground and commercial inground pool pumps, the Agency notes its interest in continuing to explore these categories for future inclusion.

Based on stakeholder input, EPA did clarify the pump controls definition and expanded the Product Family acceptable variations. These proposed changes, and additional explanations are addressed in greater detail within text boxes presented throughout the attached Final Draft specification.

Final Test Method

The U.S. Department of Energy (DOE) has finalized the ENERGY STAR Test Method, which outlines the procedures and conditions to be used for testing products under the Version 1.0 specification.

DOE made two minor modifications to the Test Method, based on stakeholder comments:

- **Measurement Equipment Accuracy** – test method updated to specify an accuracy of $\pm 1.5\%$ for both power and flow rate meters.
- **Flow Rate Measurements** - test method updated to include a flow rate tolerance of $\pm 2.5\%$.

These changes are discussed in greater detail in the responses to comments received on the Final Draft Test Method and posted on the ENERGY STAR Product specification website at www.energystar.gov/.

Connected Functionality

EPA is still very interested in highlighting products having connected functionality features on the ENERGY STAR Qualified Product List (QPL) but acknowledges the development of criteria related to connected functionality and any necessary test methods will take more time to develop and does not want to further delay the Version 1.0 specification development effort. EPA intends to continue developing connected functionality criteria, independently of this specification development process, and plans to incorporate them into the specification and recognize products on the Qualified Product List, once they are finalized.

Submittal of Written Comments

Comments on the Final Draft Version 1.0 specification should be submitted via email by **January 31, 2013** to poolpumps@energystar.gov. All comments received will be posted to the ENERGY STAR Product Development Web site, unless the submitter specifically requests that his or her comments remain confidential.

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.

The exchange of ideas and information between EPA, DOE, industry, and other interested parties is critical to the success of ENERGY STAR. Please feel free to contact me at (202) 343-9046 and kent.christopher@epa.gov or Erica Porras, ICF International, at (202) 862-2972 and erica.porras@icfi.com with any questions or comment on the Draft specification. For questions relating to the test method, please contact Bryan Berringer at (202) 586-0371 or bryan.berringer@ee.doe.gov.

Sincerely,

A handwritten signature in blue ink that reads "Christopher Kent". The signature is written in a cursive, flowing style.

Christopher Kent,
Product Manager for Pool Pump Equipment
ENERGY STAR Program