

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



OFFICE OF AIR AND
RADIATION

April 30, 2018

Dear ENERGY STAR® Pool Pump Brand Owner or Other Interested Party:

The U.S. Environmental Protection Agency (EPA) is pleased to share the final Versions 2.0 and 3.0 ENERGY STAR Pool Pump Specifications. EPA would like to thank the stakeholders who invested time and effort to contribute feedback that has informed this product specification process. The Version 2.0 requirements will take effect on January 2, 2019, and the Version 3.0 requirements will take effect on July 19, 2021.

This letter provides highlights of the new requirements and outlines the transition process. Both versions of the specification will recognize the top performing pool pumps products on the market. If all pool pumps sold in the U.S. met the requirements of the Version 2.0 specification, savings would grow to \$770 million each year, and more than 11 billion pounds of carbon dioxide emissions would be prevented. ENERGY STAR certified pool pumps will use, on average, approximately 55% less energy than standard models. Version 3.0 will provide additional savings after the first national minimum efficiency standards are in place in July of 2021.

EPA received few comments on the final draft (Versions 2.0 and 3.0) ENERGY STAR Pool Pumps specification shared with stakeholders in March. The Agency did receive substantive comments specific to the proposed, optional connected criteria prompting the following changes:

- EPA has clarified the connected criteria in this specification. The Agency will consider more extensive changes, consistent with the feedback received, as part of an update of connected criteria across ENERGY STAR specifications as a group to occur in the near future.
- EPA has returned to relying on motor speed, rather than rate of flow, to characterize a pool pump's response to demand response requests. While rate of flow is easier to measure, and more typically measured for pool pumps, few pumps control by flow rate. Also, rate of flow does not have a 1:1 correspondence to energy use. All stakeholders who commented on this topic asked for this change.
- EPA notes that along with the upcoming revision to the connected optional criteria, the Department of Energy (DOE) will revise the test method for demand response through a stakeholder process.

Versions 2.0 and 3.0 Transition Timelines and Next Steps

EPA shares partners' desire for a smooth transition from one ENERGY STAR specification version to the next so that consumer expectations are met and ENERGY STAR labeled products fully meet the new requirements upon their effective date, for both Version 2 and Version 3. With this in mind, EPA has established the following timelines:

- Effective immediately - manufacturers may elect to have their Certification Body (CB) certify eligible products to the Version 2.0 requirements.
- After September 17, 2018 - CBs will be instructed to stop certifying new product submittals to Version 1.1.
- On January 2, 2019 - ENERGY STAR Pool Pump Version 2.0 specification shall take effect. At this time, only pumps certified to Version 2.0 will remain on the list of certified products.
- Starting October 19, 2020 - manufacturers may elect to have their CB certify eligible products to Version 3.0.
- On March 5, 2021 - CBs will be instructed to stop certifying new product submittals to Version 2.0. After this point, any newly certified models must be certified to Version 3.0.
- On July 19, 2021, Version 3.0 requirements will be effective, and only products that meet these requirements will appear on the list of certified products.

On behalf of EPA, I would like to thank all stakeholders who provided feedback during this specification revisions process and I look forward to working with you as you certify and market your ENERGY STAR pool pumps.

Please direct any questions to Abigail Daken, EPA; daken.abigail@epa.gov (202-343-9375) and Dan Baldewicz, ICF; dan.baldewicz@icf.com (518-452-6426). Please direct comments and questions about DOE's standards and test procedures to Ashley Armstrong at DOE, ashley.armstrong@ee.doe.gov (202-586-6590).

Sincerely,



Abigail Daken, Manager
ENERGY STAR HVAC Program