

**Summary and Response to Stakeholder Comments**

**ENERGY STAR Program Test Method for Determining Pool Pump Energy Use Version 1.0 Draft 1**

Issue No.	Document Section	Topic	Subtopic	Comment	Response
1	Section 3	Definitions		<p>In order to clarify definitions and make them more specific to pool pumps, one stakeholder suggested changes to the following definitions proposed in the Draft 1 Test Method:</p> <ul style="list-style-type: none"> <li>• Pump Performance Curve,</li> <li>• Head,</li> <li>• Total Suction Head,</li> <li>• Total Discharge Head, and</li> <li>• Total Head.</li> </ul>	DOE agrees with and has incorporated the proposed changes. The Definitions Section has also been removed from the Draft 2 Test Method and been placed in the Draft 1 Specification.
2	Section 5	Data Reporting		One stakeholder commented that all three CEC Title 20 curves should continue to be used for data reporting.	DOE plans to continue to require reporting data for all three curves, as proposed in the Draft 1 Test Method.
3	Section 6	Test Method	Pump Speeds	Stakeholders commented that the speeds designated for testing of variable speed pumps should not be set to specific RPMs but to the maximum, minimum, and “most efficient” speed. One stakeholder commented that the most efficient speed was between 800-1200 RPM for all manufacturers.	DOE agrees with the comments and has proposed testing at the minimum, maximum, and most efficient available speed in the Draft 2 Test Method, with each speed reported.
4	Section 6	Test Method	Flow Rates	One stakeholder commented that data points taken during testing should be at a fixed increment, in gallons per minute (GPM), from zero, rather than as a percentage of the max flow. This would ensure measurements are taken at the same flow rates for all units, regardless of test setup.	DOE agrees with the comment. The Draft 2 Test Method proposes that the flow rates for measurement shall be set at discrete increments, in GPM, starting at zero flow and moving to maximum flow.