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

May 3, 2018

Dear ENERGY STAR® Computer Server Partner or Other Interested Stakeholder,

With this letter, the U.S. Environmental Protection Agency (EPA) is releasing the Draft 3, Version 3.0 ENERGY STAR Computer Server specification. EPA received numerous comments in response to the Draft 2, Version 3.0 specification and has worked to incorporate that feedback within the attached specification. The deadline to provide comments on this Draft 3 specification is June 4, 2018.

The Draft 3, Version 3.0 specification incorporates the following key elements:

Active State Efficiency Criteria: In Draft 3, EPA is proposing new active state efficiency criteria and retaining a reporting requirement for idle state. After multiple discussions, stakeholders and EPA agreed, that the active state efficiency metric adequately incorporates and drives idle state efficiency. These criteria are based on the SERT V2.0.0 data and were crafted to target the top quartile of the market. The dataset used to develop the Draft 3 proposal may be found here. EPA considered data, unless otherwise noted in the specification, for systems introduced between 2014 and November 2017.

Definitions: After further discussion with stakeholders, the resilient server definition has been amended and simplified in Draft 3. This simplification to the definition resulted in the removal of Appendix B from the specification. EPA has also amended the definition for High Performance Computing System as well as portions of the Product Family definition.

Other Testing Criteria: Stakeholder feedback indicated that there are multiple divergent APA technologies under development which require higher idle power consumption to provide significantly greater processing capability than what was considered in Version 2.0. However, it is not feasible to test these products in a comparable manner. Due to the lack of a test method, EPA is proposing that all computer servers be tested without expansion APAs installed during the test and that manufacturers must report the APA details and idle power consumption as part of the certification.

Test Method: In addition to removing idle criteria levels, the test method was amended to remove the manual idle measurement. After further review of the data provided, the manual idle measurements and the idle measurements taken via SERT are within a couple of percentage points of each other indicating that there is no need for the additional, manual test measurement. The SERT idle results will be reported on the ENERGY STAR Product Finder.

Comment Submittal
EPA welcomes stakeholder input on the attached Draft 3, Version 3.0 specification. Stakeholders are encouraged to submit any comments to servers@enegystar.gov by **June 4, 2018**. All comments will be posted to the ENERGY STAR Product Development website unless the submitter requests otherwise.

Stakeholder Webinar
EPA will host a webinar to answer any questions on this Draft 3, Version 3.0 specification on **May 17, 2018 from 1-3 PM Eastern Time**. Please register here if you plan on attending.

The exchange of ideas and information between EPA, industry, and other interested parties is critical to the success of ENERGY STAR. Specifications and meeting materials will be distributed via email and

posted on the ENERGY STAR website. To track EPA's progress on this specification, please visit the product development website at www.energystar.gov/revisedspecs and navigate to "Enterprise Servers."

Please contact me at Fogle.Ryan@epa.gov or 202-343-9153 or John Clinger at John.Clinger@icf.com or 215-967-9407 with questions or concerns. For any other computer server related questions, please contact servers@energystar.gov. Thank you for your continued support of the ENERGY STAR program.

Sincerely,

Ryan Fogle
EPA Manager, ENERGY STAR for IT and Data Center Products