

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



OFFICE OF
AIR AND RADIATION

April 17, 2018

Dear ENERGY STAR® Displays Partner or Other Interested Stakeholder:

The U.S. Environmental Protection Agency (EPA) welcomes your input on the Draft 1 Version 8.0 ENERGY STAR Displays specification. Since the Version 7.0 specification requirements took effect in July 2016, initial review indicates that market share for computer monitors meeting these requirements has increased substantially. Comments on this Draft 1 are requested **by May 21, 2018**. This letter summarizes the proposed changes and the rationale for them.

In establishing the proposed new performance levels, EPA analyzed data associated with over 900 ENERGY STAR certified display models: over 700 computer monitors and 200 signage models. The enclosed Draft 1 Displays data set served as the foundation for the Draft 1 Version 8.0 specification.

The Draft 1 Version 8.0 specification includes the following key elements:

- **On Mode Requirements for Computer Monitors:** EPA analyzed the ENERGY STAR dataset of 776 unique models and is proposing revised energy efficiency requirements that reflect top performance while recognizing a variety of sizes and models from a range of manufacturers. The analysis is presented in a graphical form in the enclosed Draft 1 Displays data set.
- **Enhanced Performance Displays:** Given technological advances and trends reflected by the ENERGY STAR dataset, EPA proposes revised allowances for enhanced performance displays (EPDs). For EPD models with color gamut support of 32.9% of CIE LUV or greater, the allowance has been decreased from 15% to 5% of the E_{TEC_MAX} . For models supporting color gamut of 38.4% of CIE LUV or greater, the allowance has been decreased from 65% to 15% of E_{TEC_MAX} .
- **Energy Allowance for Monitors with Touch Technology:** On the other hand, EPA proposes to increase the energy allowance for monitors with touch technology from the current 15% to 20% of E_{TEC_MAX} to provide greater selection of ENERGY STAR certified monitors with touch technology in different size ranges.
- **On Mode Requirements for Signage Displays:** Given that market share for ENERGY STAR certified signage displays remains relatively low, EPA is not proposing any change in the existing requirements for these products in Draft 1; however, EPA welcomes stakeholder comment on expanding participation among signage display manufacturers/brand owners.
- **Test Method:** EPA proposes an additional requirement to ensure that the luminance level is maintained during On Mode testing.

Stakeholders are requested to provide comments on the Draft 1 specification no later than May 21, 2018. Please send comments via e-mail to displays@energystar.gov. All comments received will be posted to the ENERGY STAR Product Development website, unless the submitter specifically requests that his or her comments remain confidential.

On Monday, May 7, 2018, at 12 pm U.S. Eastern Time, EPA will host a stakeholder webinar to present details on Draft 1 Version 8.0 ENERGY STAR Displays specification and address stakeholder questions and concerns. If you wish to attend this webinar, please [register prior to the webinar](#).

The exchange of ideas and information between EPA, industry, and other interested parties is critical to the success of ENERGY STAR. To track EPA's progress in revising the ENERGY STAR displays products specification and to review comments, please visit the Product Development Web site at www.energystar.gov/RevisedSpecs and click on "Version 8.0 is in development" under "Displays."

Thank you for taking the time to review and provide your feedback this draft specification. Please contact me at Kwon.James@epa.gov or (202) 564-8538 or Amit Khare at ICF, Amit.Khare@icf.com or (703) 272-6668 with any questions or concerns.

Best Regards,



James Kwon, Product Manager
ENERGY STAR for Consumer Electronics

Enclosures:
Draft 1 Version 8.0 ENERGY STAR Displays Specification
Draft 1 Displays Test Method
Draft 1 Displays Data Set