

Topic	Subtopic	Stakeholder Comment	EPA Response
Test Method & Definitions	Bridge Function	In regards to the clarification to the Test Method Section 6.3B) related to power drawn from the host machine, one stakeholder requested EPA consider excluding Bridge Connection function because it creates an undue burden for displays to meet the specification limits. The stakeholder notes the example of a Thunderbolt connection being utilized to power a laptop.	EPA has maintained the definition of Bridge Connection in the Draft 2 Version 8 specification and the set-up procedures related to the Bridge Connection in the existing Test Method. In response to the stakeholder's comment about possible Host Machine power draw from devices such as laptops, EPA and DOE have revised the Test Method to require that the Host Machine not have a battery to operate on its own ac power source.
Persistence of Energy Saving Features		Stakeholders strongly opposed EPA's Draft 1 proposal to require to display an alert to the user that energy consumption will increase when selecting a Preset Picture Setting that does not have ABC enabled by default, or when more energy consumptive features are activated because it unnecessarily burdens the user experience and the presence of the ENERGY STAR mode suffices for meeting consumer awareness goals. The stakeholders disagreed with requiring energy savings features to persist across all preset picture modes and suggest only manufacturers have the expertise, experience, and consumer feedback required to make these design decisions independently of ENERGY STAR requirements.	In response to stakeholders, EPA is not requiring energy savings features to persist across all preset picture modes. EPA has proposed some requirements related to general user information.
Monitor TEC Requirements	Size and Resolution in On Mode	One stakeholder commented that the Draft 1 intercept for the Screen Area bin, 2265 A <385 square inches, is too stringent and should be increased to between 10 and 15.5. The stakeholder suggested EPA take a more uniform linear approach with the limit across size bins. Another stakeholder commented that the Draft 1 requirements for monitors with area less than 171 square inches is too stringent and should remain the same as Version 7. This stakeholder also suggested that for monitors equal to or greater than 171 square inches, the Draft 1 requirements should be relaxed by 5 to 10%. Finally, the same stakeholder noted that monitors continue to increase in average resolution and size and that the requirements should generally reflect the increased power demand associated with these features.	In Draft 2, EPA has adjusted the TEC limit to ensure that the qualification rate reflects products currently on the market across all size bins.
Monitor TEC Requirements	Sleep Mode	Several stakeholders requested that EPA embed a higher Sleep Power allowance into the Total Energy Consumption requirements. One stakeholder suggested that this Sleep Power allowance should reflect the overall dataset average while two other stakeholders suggested it to be in the range of 0.25W to 0.3W.	The Draft 2 TEC proposal for monitors recognized the top 25 to 30% of the dataset in terms of energy efficiency. In Sleep Mode, the least power consumptive models representing 30% of the dataset use 0.2W or less than 0.2W. This value of 0.2W has been translated into the TEC equation to represent the top performing models. The TEC equation inherently allows for some flexibility in Sleep Mode where there can be gains in On Mode.
Monitor TEC Requirements	Data Analysis	Stakeholder generally suggested that it was difficult to assess which monitor models in the EPA dataset were used in the analysis (776 out of 829 cited by EPA). Additionally, these stakeholder required further clarification of the regression analysis used for the resolution allowance.	In the Draft 2 dataset provided to stakeholders, EPA has identified models that are unique in terms of Tested Model number with a label in the far right column and are used in the analysis.
Allowances	Curved Monitors	Several stakeholders suggested EPA include an energy allowance for curved monitors because of the decreased transmittance compared to flat monitors.	Per stakeholder suggestion and review of the data, EPA is proposing an allowance adder of 5% of Total Energy Consumption base limit for curved monitors. Of the four curved monitors in the dataset, one model is able to meet the Draft 2 requirements.
Allowances	Enhanced Performance Displays	Two stakeholders suggested that EPA should reconsider energy allowances for EPD1 and EPD2. One stakeholder suggested that EPA should not make any changes in EPD allowances. Another stakeholder proposed to determine a power allowance function based on the exiting color gamut targets and power allowances.	In Draft 2, EPA has included a proposal to apply an enhanced performance allowance based on a continuous function of color gamut. EPA has additionally revised the definition of enhance performance display to include only those models with total resolution of 3.6 megapixels or greater to account for the overall trend towards higher resolution even among mainstream models. EPA has set the enhanced performance allowance to recognize the top models in the dataset for which there is accurate data.
Allowances	Gaming Monitors	One stakeholder suggested that EPA include a 5% energy allowance for gaming monitors to account for approximately double the logic power required compared to non-gaming monitors as well as decreased transmittance (~20%).	To date, EPA has not received a proposed definition or data for "gaming" monitors to assess whether increased power for logic functions is required in the default mode using the standard test clip.

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Allowances	HDR	One stakeholder commented that higher color gamut (above 38.4% CIE) and HDR processing contributes to overall increased power demand of HDR capable models. The stakeholder notes that HDR can reduce total display power with local dimming depending on content but acknowledges that more data is need to understand this impact.	EPA received stakeholder comments regarding HDR functionality. Through review of the existing dataset, EPA identified eight monitors with HDR capability. Three of these HDR capable models are able to meet the Draft 2 energy requirements as tested with the current ENERGY STAR procedures and no additional allowances.
Scope	Tiled Displays	One stakeholder commented that the tiled displays are currently unable to meet the ENERGY STAR specification requirements because it does not contain provisions for architectures that drive multiple displays including off-board processors. The stakeholder notes that these off-board processors are also ineligible for other ENERGY STAR specifications including Audio and Video Products. As such, the stakeholder requests that the specification specifically address the components necessary for tiled display systems.	EPA and DOE have included proposed test procedures and power requirements to assess tiled displays in the Draft 2 specification and draft test method.
Signage Displays	Size and On Mode Power Consumption	Two stakeholders commented that the Draft 1 Signage Display On Mode criteria is too stringent for larger sizes (generally over 80 inches diagonal). Stakeholders suggested a more linear approach for the requirements as opposed to the existing hyperbolic tangent.	EPA has revised the Signage Display On Mode criteria to recognized a better balance of models across the small, medium, and large size bins.