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To: displays@energystar.gov

Cc: Kwon.James@epa.gov

Subject: Comments on the Energy Star Draft 2 Version 8.0 (Displays Specification), from AUO, LCD makers

Hi, Ladies and Gentlemen in EPA,

We are the one of the display partner in Energy Star, and we would like to make some comments about the draft 2 of the Energy Star version 8.0.

We are one of the LCD display manufacturer, called "AU Optronics", headquarter is located in Taiwan, Asia. We manufacture a lot of the LCD panels which being used as the main parts or components in desktop monitor, AIO, laptop products, and IT industry.

ES 8.0 draft 2 is much stricter than the previous ES 7.0 version. We consent the pursuit of a more environment friendly product, meanwhile, achieving the balance among the demand of users, the limitation of techniques and the development limitation of new materials; therefore, we humbly present the following comments :

1. **Recommend the criteria of the energy star as the previous with 10% off :**
ES 8.0 criteria = ES 7.0 criteria * 90%
2. **Extend the definition about EPD (Enhanced Performance Display) :**
The display with color gamut up to sRGB 99% or Adobe 99% or DCI P3 90%
3. **Raise the allowance upon EPD :**
Up to + 25%
4. **Exclude the panels with high frame model (≥ 100 Hz model) :**
Displays with high refresh rate require more power, these displays are suggested to be excluded in ES 8.0;
Or, suggest including them as one of the EPD, and providing sufficient allowance (in uniformity or gradation)

Moreover, in # 4, the high frame models means the panels with 100/120/144/165/240Hz or above refresh rate. This kind of displays is for the booming gaming and premier audio-video markets. Practically, the system power required is strongly higher than the typical panels. This is a whole new, popular products should not be restricted with energy star as just first created.

We sincerely hope the above statement will be discussed and negotiated by the EPA and all the display partners.

Thank you so much.
Best regards,

Chiwai

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