

## DOCKETED

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*Comment Received From: The Institute for Energy Efficiency*

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## **On Computers, Computer Monitors, and Signage Displays**

*Additional submitted attachment is included below.*

May 19, 2016

Commissioner Andrew McAllister  
California Energy Commission  
1516 Ninth Street  
Sacramento, CA 95814

RE: Docket No. 14-AAER-2, Computers, Computer Monitors, and Signage Displays

Dear Commissioner McAllister:

On behalf of The Institute for Energy Efficiency at the University of California Santa Barbara, I would like to thank you for this opportunity to provide comments on the rulemaking for computers and computer monitors. We strongly support the California Energy Commission's proposed energy efficiency standards for these products.

As you may know, the UCSB has been at the forefront of developing low energy high efficiency electronic devices that both save energy and reduce greenhouse gas emissions. The key materials research that led to the development of light-emitting diodes pioneered by Shuji Nakamura, has led to the development of high efficiency solid-state electrical power devices used for electric vehicles and for power converters and power supplies for computers. Under the leadership of our Director, John Bowers, an entirely new approach to high efficiency computers and data centers has been developed using novel integrated optical systems for high capacity and low energy data management.

We are also major contributors to the important initiative that the UC President Janet Napolitano has launched to achieve zero net greenhouse gas emissions at all ten campuses of the UC System by 2025. The new rules on computers and computer monitors are an important step in achieving this goal, as they are to achieving the comparable goals for GHG emission reductions at the state level.

Computers and computer monitors are a large portion of plug-load energy consumption, and the proposed performance-based standards allow manufacturers the flexibility to find the most cost-effective ways to meet them, without infringing upon product functionality. The statewide energy savings will also result in significant economic benefits for Californians through reduced utility bills and GHG emissions.

I commend the California Energy Commission for addressing the important issue of plug load energy consumption and strongly support the Commission's proposed standards for computers and computer monitors.

Respectfully,

A handwritten signature in blue ink, appearing to read "David Auston". The signature is fluid and cursive, with the first name "David" being more prominent and the last name "Auston" following in a similar style.

David Auston

The Institute for Energy Efficiency