OLED ASSOCIATION

Cambridge Display Technology
Corning, Inc.
eMagin Corporation
Idemitsu Kosan
LG Display
Novaled, AG
RiTdisplay
Samsung Mobile Display
TDK
Universal Display Corporation
OLED-Info.com
OLED-Display.net

April 19, 2011

Steven Koonin, Under Secretary for Science
Department of Energy,
Office of the Under Secretary for
Science (S4), 1000 Independence Ave.,
SW., Washington, DC 20585.

Dear Steven,

The OLED Association, an international trade association formed to promote the adoption of organic light emitting diodes (OLED) in displays, lighting and flexible electronics is pleased to submit this response to the DOE's request for comments on the Department of Energy Quadrennial Technology Review Framing Document. In this response we are joined by the following companies:

- Acuity Brands
- Moser Baer Technologies
- Applied Materials
- Armstrong
- Arkema, Inc.
- PPG

Our focus in reviewing the Framing Document was the impact on Solid State lighting, and we will keep our comments to the issue covered by section 6.2.1.1.4 Lighting. Currently, the DOE Solid State Lighting initiative supports both inorganic Light Emitting Diodes (LED) and Organic Light Emitting Diodes (OLED) although the Framing Document refers only to LEDs and Compact Fluorescent Lights (CFL). OLEDs are lambersion devices indicating that they provide a diffuse lighting source similar to CFL, but OLEDs are much more environmentally friendly as they do not use toxic chemicals (e.g. mercury) and are more efficient. . LEDs are a point source of light, similar in light output to incandescent and halogen technology.

We would hope that the framing document consider OLEDs as one of the solutions to reducing the 14% of building energy use, recognizing that this new technology is just entering the market. Given the emerging nature and the lack of infrastructure, OLED technology provides an opportunity to create a new initiative in the U.S. with the establishment of new jobs in a very clean industry. OLED technology was originally demonstrated by Kodak, and is now being developed by several other U.S. companies as indicated by the supporters of this response. Moreover, due in large part to the efforts of DOE, there are 2 demonstration projects to build pilot lines for manufacturing OLED lighting:

- Moser Baer Technology/Universal Display
- General Electric Lighting

These two pilot lines give the U.S. an opportunity to be a leader in an industry that promises to create a new lighting environment while concurrently reducing energy consumption. Europe and Asia are investing heavily in OLED lighting as they expect OLEDs to be a source of clean, energy efficient, solid state lighting. The DOE program has been very successful and instrumental in fostering U.S. leadership in this area, and to ensure that we benefit from new clean jobs and energy savings, DOE must continue to invest in this area

Thanks for the opportunity to submit these comments and we look forward to the finalization of the framing document with the appropriate references to OLED technology.

Sincerely,

Barry E. Young, Managing Director

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