



June 7, 2011

Secretary Chu Announces Nearly \$15 Million for Next Generation Energy-Efficient Lighting

Investments in Solid-State Lighting to Save Energy, Create New Manufacturing Jobs

WASHINGTON, DC – Energy Secretary Steven Chu today announced nearly \$15 million to support eight new research and development projects that will accelerate the development and deployment of high-efficiency solid-state lighting technologies like LEDs and OLEDs. Light-emitting diodes (LEDs) and organic light-emitting diodes (OLEDs) have the potential to be ten times more energy-efficient than conventional incandescent lighting and can last up to 25 times as long. The projects selected today are located in four states across the country and are focused on advancing core R&D goals, developing new products, and expanding domestic manufacturing capacity to help the U.S. remain competitive in this growing technology market.

"These investments in cutting-edge lighting technologies will support American innovation, create new manufacturing jobs for U.S. workers, and help ensure that the United States leads the world in this rapidly evolving industry," said Secretary Chu. "These next-generation lighting technologies have the potential to transform the way we light our homes and businesses and generate enormous energy and cost savings for families and businesses across the country."

The projects selected today address the full spectrum of research, development, and deployment for solid-state lighting (SSL) technologies and will leverage an additional \$4 million in private sector funding.

Projects have been selected in the following three areas:

Core Technology Research (\$4.3 million) – These projects will focus on filling key technology gaps in LED and OLED development, improving scientific knowledge, and providing performance data for these technologies, which are all critical to the widespread deployment of solid-state lighting for general lighting purposes.

- Arizona State University (Tempe, AZ) – \$664,785
- Research Triangle Institute (Research Triangle Park, NC) – \$1,699,318
- Sora Inc. (Goleta, CA) – \$678,257
- University of Rochester (Rochester, NY) – \$1,247,881

Product Development (\$3.6 million) – These projects will help develop and improve cost-effective, high-performing, commercially viable solid-state lighting materials, devices, and systems.

- Cree, Inc. (Goleta, CA) – \$1,610,681
- Philips Lumileds Lighting Company, LLC (San Jose, CA) – \$1,987,200

SSL Manufacturing (\$6.9 million) – These projects will focus on achieving significant cost reductions and enhanced quality by improving manufacturing equipment, processes, or monitoring techniques. These projects will address the technical challenges that must be overcome to make LEDs and OLEDs cost-competitive with other lighting options.

- Moser Baer Technologies, Inc. (Canandaigua, NY) – \$2,906,324
- Veeco Instruments (Plainview, NY) – \$4,000,000

This is the seventh round of DOE funding for solid-state lighting core technology research and product development, and the second time that DOE has funded solid-state lighting manufacturing projects. These efforts are part of DOE's initiative to accelerate the adoption of SSL technology through improvements that

reduce costs and enhance product quality and performance. They will also play an important role in encouraging U.S.-based manufacturing of SSL technologies, creating jobs, and promoting America's role as a global leader in energy efficiency.

The projects announced today are award selections and final details are subject to negotiations. Read more information about the award selections [HERE \(http://www.eere.energy.gov/pdfs/ssl_2010_selections_project_summaries.pdf\)](http://www.eere.energy.gov/pdfs/ssl_2010_selections_project_summaries.pdf).

To learn more about energy efficient lighting efforts at the DOE, visit the [Solid-State Lighting Program website \(http://www1.eere.energy.gov/buildings/ssl/\)](http://www1.eere.energy.gov/buildings/ssl/).

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