

**The United States Department of Energy  
and  
The Next Generation Lighting Industry Alliance**

**MEMORANDUM OF UNDERSTANDING**

This Memorandum of Understanding (MOU or Agreement) is entered into this 18 day of APR 2016, by and between the U.S. Department of Energy (DOE) and the Next Generation Lighting Industry Alliance (NGLIA) (collectively, the "Parties").

I. Purpose and Authority

The purpose of this MOU is to provide a framework for encouraging DOE and NGLIA to work cooperatively to support core technology research, development, demonstration and commercial application targeted to the application of solid-state lighting (SSL) technologies in energy efficient general lighting applications to improve the efficient use of energy. The Secretary of Energy's authority to enter into agreements is set forth in Department of Energy Organization Act (Pub. L. 95-91, as amended; 42 U.S.C. §7256). The authority for the SSL Program is set forth in 42 U.S.C. § 16192.

II. Background

The Next Generation Lighting Industry Alliance was formed in 2003 to foster an industry-government partnership to accelerate the technical foundation and commercialization of high performance solid-state lighting systems. NGLIA promotes the understanding, implementation, and adoption of semiconductor light sources in specialty and general lighting systems. The SSL industry is tasked with integrating SSL sources in existing lighting practice and the creation of new practices to fully exploit the technology's potential. DOE invests resources to improve the energy efficiency and lighting quality of SSL, with programs in lighting research, product development, commercialization, and regulation. The Parties seek to improve the quality and efficiency of lighting through science and engineering and, over the past eleven years, have performed a number of joint activities to that end. For example, NGLIA has provided technical expertise in identifying SSL technology needs, which have informed the DOE SSL Research & Development Workshop and the resultant *Solid-State Lighting Research & Development Plan* (updated annually).

III. Responsibilities of the Parties

DOE and NGLIA agree to work together toward the following goals:

- 1) Furthering core technology research, development, demonstration and commercial application targeted to the application of solid-state lighting, including light emitting diodes, organic light emitting diodes, and other semiconductor light producing devices for general illumination and specialty applications.

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2) Encouraging the contribution of NGLIA's technical expertise to the DOE SSL Program in initiatives such as: identifying SSL technology needs; preparing roundtables and workshops; and updating the annual *Solid-State Lighting R&D Plan*.

3) Promoting the development of metrics and standards for measurement and utilization of SSL products, such as LM-79 and LM-80.

4) Accelerating the value of SSL technologies with controls, sensors, spectrum change, communication, security, and more; and addressing new applications in human factor testing and specialty lighting.

#### IV. Points of Contact.

The points of contact responsible for administration of this Agreement are:

DOE:

James R. Brodrick  
Solid State Lighting Portfolio Manager  
Department of Energy, EE-5B  
1000 Independence Avenue, SW  
Washington, D.C. 20585-0121  
T 202-586-1856  
F 202-586-4617  
[james.brodrick@ee.doe.gov](mailto:james.brodrick@ee.doe.gov)

NGLIA:

Maria Northup  
NGLIA Liaison  
NGLIA/NEMA  
1300 N. 17<sup>th</sup> Street, Suite 900  
Rosslyn, VA 22209  
T 703-841-3234  
F 703-841-3334  
[Maria.Northup@nema.org](mailto:Maria.Northup@nema.org)

#### V. Terms and Termination

This MOU shall remain in effect for three (3) years from the date on which it becomes effective, or until terminated by either party upon 90 days written notice to the other party.

This MOU in no way restricts either of the Parties from participating in any activity with other public or private agencies, organizations or individuals.

This MOU is neither a fiscal nor a funds obligation document. Nothing in this Agreement authorizes or is intended to obligate the Parties to expend, exchange, or reimburse funds, services, or supplies, or transfer or receive anything of value.

This MOU is not legally enforceable and does not create any legal obligation on the part of either party, nor does it create a private right or cause of action for or by any person or entity.

VI. Modifications.

This MOU may be modified by mutually acceptable written amendment duly executed by authorized officials of DOE and the NGLIA. Its provisions will be reviewed annually and amended/supplemented if mutually agreed upon in writing.

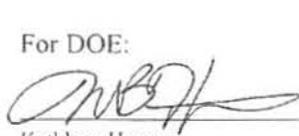
VII. Entire Agreement.

This MOU constitutes the full and final understanding of both Parties on all subjects contained within it. All prior negotiations, understandings, and agreements are merged into this Agreement.

VIII. Execution.

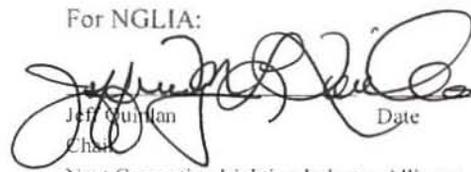
The Parties have caused this MOU to be executed in duplicate originals by their duly authorized representatives and is effective on the date of the last signature below.

For DOE:

  
Kathleen Hogan  
Deputy Assistant Secretary for Energy Efficiency  
Energy Efficiency and Renewable Energy  
US Department of Energy

4/14/16  
Date

For NGLIA:

  
Jeff Gorman  
Chair  
Next Generation Lighting Industry Alliance

4/18/16  
Date