

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 20th day of January 2022 by and between the U.S. Department of Energy (DOE) and the Next Generation Lighting Industry Alliance (NGLIA), (collectively the “Parties”). The office of Energy Efficiency and Renewable Energy’s Building Technologies Office will serve as the program office responsible for carrying out the goals of the MOU on behalf of DOE.

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. SSL technologies support the DOE Building Technology Office goal to improve the energy productivity of buildings without sacrificing occupant comfort or product performance, and they further the goals described in the Next Generation Lighting Initiative.

DOE’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 Secretary of Energy has the authority to enter into this agreement in accordance with the objectives of the Next Generation Lighting Initiative; 42 U.S.C. §16192.

II. Background

NGLIA was established 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. As the “industry alliance” selected by the Secretary of Energy as provided in 42 U.S.C. §16192, the NGLIA 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 fourteen 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:

- A. 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.
- B. Encouraging the contribution of NGLIA 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*.
- C. Promoting the development of metrics and standards for measurement and utilization of SSL products, such as the LM-79 and LM-80 testing procedures developed by the Illuminating Engineering Society.
- D. 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.
- E. Conducting regular calls to ensure mutual engagement and sharing of appropriate information about DOE and its research partners' programs.
- F. Participating in joint events to mutually support lighting research and development efforts through DOE, NGLIA, and/or other relevant organizations, as appropriate.

IV. Points of Contact

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

DOE:

Brian Walker
Manager, Solid-State Lighting
Department of Energy, EE-5B
1000 Independence Avenue. SW
Washington, D.C. 20585-0121
T 202-586-0650

NGLIA:

Karen Willis
NGLIA Liaison
NGLIA / NEMA
1300 17th Street N, Suite 900
Rosslyn, VA 22209
T 703-841-3277
F 703-841-3377

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 30 days written notice to the other party.

This MOU is not intended to restrict the Parties from participating in any other activities or arrangements with other public or private agencies, organizations, or individuals.

This MOU is strictly for the internal management purposes for each of the Parties. Notwithstanding anything to the contrary contained in this MOU, it does not create any legally binding obligations between or among the Parties. This MOU is not to be construed to provide a private right or cause of action for or by any person, entity, or Party.

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 subject to, and will be carried out in compliance with, all applicable laws, regulations and other legal requirements.

NGLIA agrees that it will not claim or imply that DOE endorses its products and services or those of its subsidiaries and affiliates.

Neither Party may use the other Party's names, logos, trademarks, service marks, trade names, or refer to participation of an employee of the other Party by name or title, in any public release of information without the other Party's express consent.

VI. Modification

This MOU may be modified at any time by the mutual written consent of the Parties.

The Parties intend to review the MOU annually to determine whether it should be modified, renewed, or discontinued.

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:

David M.
Nemtsov

Digitally signed by David M.
Nemtsov
Date: 2022.01.20 19:11:49
-05'00'

David Nemtsov Date
Director, Building Technologies Office
Energy Efficiency and Renewable Energy
U.S. Department of Energy

For NGLIA:

Jeremy Yon

Digitally signed by Jeremy Yon
Date: 2022.02.16 09:16:36
-05'00'

Jeremy Yon
Chair
Next Generation Lighting Industry
Alliance