

ENERGY STAR® Lighting Product Roadmapping Meeting Next Steps

TRACK 1: ENERGY STAR PRODUCT SPECIFICATIONS

TRACK 2: VERIFICATION TESTING

TRACK 3: RESEARCH AND MARKET TRENDS

January 30th, 2014

Thank you to the many ENERGY STAR lighting stakeholders who participated in the roadmapping discussion on Jan 30, 2014. Participants included:

- More than two dozen representatives from companies that manufacturer ENERGY STAR lighting products or components - from LED chips to a variety of luminaries as well as CFL and LED bulbs.
- Efficiency program representatives from the Northeast, Mid-Atlantic, Northern and Southern California, including the Consortium for Energy Efficiency (CEE).
- Representatives from test laboratories, certification bodies, and an accreditation body - National Voluntary Laboratory Accreditation Program (NVLAP).
- Representatives of trade, government, and non-profit groups such as American Lighting Association, National Institute of Standards and Technology (NIST), Department of Energy (DOE), Appliance Standards Awareness Project (ASAP), Design Lights Consortium (DLC), and CLASP.

This diverse group had rich discussions focusing on the following three main tracks:

TRACK 1: ENERGY STAR PRODUCT SPECIFICATIONS

TRACK 2: VERIFICATION TESTING

TRACK 3: RESEARCH AND MARKET TRENDS

To ensure that the work begun during this in-person meeting is built upon in a productive way, NEMA and EPA will bring interested parties together for further discussion. These groups will close with the development of Recommending Documents on key topics. These Recommending Documents will be shared with EPA and will be posted to the EPA ENERGY STAR webpage for this roadmapping exercise.

Key Topics for Recommending Documents: Based on the discussions that occurred in each of the tracks, three key themes emerged that appear to be ripe for further consideration, and will be the organizing basis for upcoming calls/meetings. In the product specification and verification testing tracks, much of the discussion came back to the merits of addressing various performance attributes and how to do so in a less time-consuming, burdensome manner. In the research and market trends session, there was particular enthusiasm around the need to improve our understanding of the tools and information that is most effective in helping consumers make good lighting purchases. In the product development track another key focal point was examining the implications of the rapid evolution of lighting technologies for the ENERGY STAR program.

1. Balancing quality assurance/meeting consumer quality expectations with time to market, testing cost, and expected rise in consumer cost.

Possible areas for further discussion:

- a. What are the core performance criteria for various product types or technologies that are important to consumer acceptance and lend themselves to a prescribed basic level of acceptable performance?
- b. Are there alternatives to lengthy life testing?

2. Selecting the right, more efficient lighting products- working together to assist consumers

Possible areas for further discussion/research:

- a. What are the critical challenges facing consumers in making a lighting selection that meets their needs?
- b. What are the most effective avenues/tools for addressing those challenges?

3. Innovations in lighting products, new consumer features and functionalities.

Possible areas for further discussion/research:

- a. How will consumers interact with their lighting and the new functionalities it might offer (e.g. remote control via wifi, etc.)?
- b. Which of the advancements of the technology present opportunities for the ENERGY STAR program?
- c. What are the energy use implications associated with various features? What are the consumer benefits and drawbacks?

How to participate:

1. NEMA is creating an email reflector for each topic mentioned above. If you would like to be included, email Alex Boesenberg, with the group(s) 1-3 which you would like to be included [Alex.Boesenberg@nema.org].
2. NEMA will host monthly calls or webinars. An agenda will be shared in advance so stakeholders can join relevant calls.
3. The first call will be held **Thursday, March 27th 1:30-3:00pm** and will cover topic 1.
4. Leveraging existing in person industry meetings, the discussion forum may meet in person at events such as: Lightfair International and the ENERGY STAR Products Partner Meeting in October 2014.

A number of other topics were raised and noted by EPA for additional follow up outside this broader road-mapping process. These include :

- Further consideration of adjustments to verification testing based on past performance (heightened & lessened oversight based on poor or good). EPA is currently adjusting verification requirements for CFLs, based on a comprehensive, three-year set of verification testing results.
- Further consideration of streamlined pathways for accommodating small product changes that do not impact energy performance. EPA is open to proposals for treatment of product changes not already outlined in ENERGY STAR lighting specifications. Consistent with this request, EPA is working on guidance to address LED upgrades for LED lamps and will share a proposal with stakeholders.
- Potential expansion of the ENERGY STAR lamps specification. EPA is happy to entertain stakeholder proposals as they emerge.