

LED Demonstration Pilot

Overview

Background

LED lights are a new and rapidly evolving technology with considerable potential for energy savings, both from ongoing efficiency improvements and from new fixture designs and innovative applications. A number of new LED products are now commercially available and have been added to BPA's Lighting Calculator for savings and reimbursement calculation. BPA wants to demonstrate and gather feedback from real world installations.

Although energy savings for LEDs are predictable, there are many product performance and application issues to be sorted out. To that end, BPA is asking utilities to participate in a field demonstration of the following two LED technologies:

- 1) recessed can lights (up to 6 inches in diameter) and
- 2) track lights

- ◆ BPA is requesting proposals from utilities to host LED demonstration installations.
- ◆ BPA will support up to 20 selected utility LED Demonstration proposals, providing LED lights, as agreed upon, collateral materials and possibly case studies, highlighting the installations.
- ◆ Interested utilities need to submit proposals by July 1st, 2010 at <http://www.surveymonkey.com/s/N7Y2R9W>
- ◆ Through this LED Demonstration BPA will confirm product performance, heat tolerance, product life, installation barriers, product satisfaction and demonstrate the technology.
- ◆ BPA will order LED lights, as mutually agreed upon with successful proposers, by July 23rd 2010.

Messages

- ◆ LED lights save energy and improve light quality through innovative and well designed applications.
- ◆ LED lights are commercially available.
- ◆ Energy efficiency incentives are available for LED lights.
- ◆ LED lights have many potential advantages but careful selection and performance monitoring is needed for these new products.
- ◆ Now is the right time to try out some of the most promising new LED lights and fixtures.



Frequently Asked Questions

Q. What does a utility need to do to participate in the LED Demonstration Pilot?

- A. Submit a proposal by July 1st at <http://www.surveymonkey.com/s/N7Y2R9W>, and if selected:
- ◆ Send Craig Ciranny caciranny@bpa.gov baseline light level readings and good quality pictures
 - ◆ Send Craig Ciranny caciranny@bpa.gov a list of proposed LED lights, negotiate the final quantity and where to send them.
 - ◆ Once the LED lights are received, facilitate their installation by September 30, 2010, in order to receive HWM credit.
 - ◆ Send Craig Ciranny caciranny@bpa.gov post LED installation light level readings and good quality pictures
 - ◆ Facilitate the resolution of any warranty issues
 - ◆ Participate in a brief process survey (less than 10 questions).
 - ◆ Promote the LED Demonstration Pilot and gather public feed-back, as proposed.
 - ◆ Participate in another brief survey on how the LED lights performed (less than 10 questions).

Q. Can I propose LED street lights?

- A. No; this demonstration is for down-light applications, either recessed can or track-lights.

Q. Can the LED lights be installed in a home?

- A. While homes are good applications, your proposal will be evaluated on how many people will be able to see the LED lights, so a residential application won't receive a very high score.

Q. Do I need to enter anything into the PTR system?

- A. No, BPA will upload the LED light information so that the utility receives High Water Mark credit.

Q. What documentation is required from the utility?

- A. The utility should document the LED Demonstration with both baseline and LED light level readings and good quality pictures.

Q. Where can I get more information on LEDs?

- A. LED lighting information is updated regularly at: <http://www1.eere.energy.gov/buildings/ssl/factsheets.html> and a list of Energy Star or Design Lighting qualified products can be found at: http://www.energystar.gov/index.cfm?fuseaction=ssl.display_products_com_excel

