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*The L Prize Update is an electronic newsletter to share the latest information on the competition, entrants, and partner activities involved in this race to replace the common light bulb. More details on the competition can be found at the [L Prize website](#).*

## Field Assessments of First Entry Slated for Summer

DOE is getting ready to ship out more than 1,400 samples of the first L Prize entry to 14 L Prize partners across the country. These partners are preparing to install the sample products in more than 40 planned locations – from kitchens in Cape Cod to coffee shops in Washington state – and will collect data on energy usage, light levels, and user perceptions. Here's a quick preview of who, what, and where:

1. BC Hydro: Municipal building wall mounts and table lamps; corporate boardroom lighting fixtures
2. Cape Light Compact: Kitchen, bath, or table lamp in single and multi-family residences
3. Commonwealth Edison: Elevator lights, community center pendants; hotel rooms and common areas
4. DTE Energy: Hospital lamps; hotel hallways and reception area; car dealership ceiling fixtures
5. Efficiency Vermont: Wall fixtures at housing authority
6. Eugene Water & Electric Board: Art museum downlights
7. Midwest Energy Efficiency Alliance: Pendants and sconces in offices; commercial retail ceiling fixtures
8. National Grid: Apartment building common areas and hallways; restaurant pendants
9. Platte River Power Authority: Residential chandeliers, table lamps; restaurant cooler or kitchen; hotel bathroom
10. Progress Energy: Residential ceiling fixtures and table lamps; restaurant pendants
11. Puget Sound Energy: Customer homes; multi-family housing common areas; coffee shop; café; small grocery
12. Sacramento Municipal Utility District: Grocery store pendants,

catwalk; utility technology center

13. Southern California Edison: Hotel common areas and sleeping rooms, table lamps, wall and ceiling fixtures
14. Wisconsin's Focus on Energy program: Restaurant pendant, cooler; hotel meeting rooms and common areas; senior living facility

The performance results and user feedback from each demo will be compiled and analyzed, which will not only teach us a great deal about this first product entry but will help determine whether it meets the competition's rigorous requirements – and how well it stands up to the unforgiving expectations of consumers.

## Long-term Testing to Break New Ground

The initial photometric testing of the first entry, conducted at two CALiPER- qualified labs (Independent Testing Laboratories Inc. in Boulder, Colorado, and OnSpeX/CSA International in Atlanta), will conclude this month. Those samples will then be shipped to Pacific Northwest National Laboratory for long-term testing, using a new test bed designed specifically for the L Prize competition. This phase will involve testing the samples for at least 6,000 hours, at temperatures that will be elevated to 45° C. Why so high? Because once they reach the market, many of these lamps will be used in fixtures that get that hot, and we need to know how they withstand those conditions. Long-term testing of this type has never been done before with SSL replacement lamps, so we anticipate learning a great deal in the process.

## Four New Partners Bring Total to 31

Four more organizations have signed up as L Prize Partners, bringing the total number of partners to 31. The four newest partners are Southern Minnesota Municipal Power Agency (SMMPA), Xcel Energy, BC Hydro in British Columbia, and the California Public Utilities Commission (CPUC). BC Hydro expands the L Prize program's reach into western Canada, Xcel Energy and SMMP establish a strong base in Minnesota, and CPUC is the nation's largest public utilities commission. With 31 partners and still counting, there's a lot of firepower behind the L Prize competition, with their combined influence extending to millions of customers.

IF YOU HAVE QUESTIONS OR WISH TO SUBSCRIBE OR UNSUBSCRIBE FROM THIS E-UPDATE, CONTACT [DOE.SSL.UPDATES@EE.DOE.GOV](mailto:DOE.SSL.UPDATES@EE.DOE.GOV).