
Super Lamps Where We've Been Where We're Headed

Consortium for Energy Efficiency
Residential Lighting Committee Session
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Why the Super Lamp? Because it's time!

The Evolution of Lighting



Why the Super Lamp?

#1 reason – Customers want a better bulb, a more universal bulb

Other important reasons:

- **Other technologies, i.e. LEDs are a ways off for general illumination for a reasonable price**
- **AB1109 Compliance**
 - **California's version of the Energy Independence Security Act (EISA)**
- **Increase socket penetration**



How We Got Started – Teamwork!

- PG&E approached California Lighting Technology Center (CLTC) about developing specification for a better bulb
- CA Statewide team pulled together
- CLTC announcement of the Super Lamp at the California Energy Commission Summer 2006
- Team hired Ecos Consulting to develop Super Lamp program plan
- National Resource Defense Council and CLTC conducted meetings with manufacturers



Outcomes

- **NRDC and CLTC reported feedback to Statewide team**
- **Spec adjustments made based on manufacturer feedback and team recommendations**
- **Issued draft spec to manufacturers**
- **Held meetings with manufacturers to identify level of interest**
- **Developed criteria priority for future flexibility**

What We Learned



- **Size specification proving difficult for manufacturers to meet for the various wattages**
- **Biggest challenge for manufacturers is meeting the dimensions of the spec (color, dim, humming, etc.)**
- **Manufacturer knowledge and feedback is critical**
- **Results of criteria priority - For the Super Lamp, the prioritization is both a gap analysis and a roadmap to development.**

Next Steps



- **Have manufacturers submit prototypes**
- **Test prototypes and do market research for market positioning**
- **In the mean time, support manufacturers efforts to continue product improvement**
- **Specifically, have manufacturers provide new products with incremental improvements**
- **Work with CEE to further support the development of a "better" dimmable covered lamp**

Thank you!

We'll now take any questions

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