

State of California

M e m o r a n d u m



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Subject: 2020 Screw-in Lamp Baseline Revision Notice

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This California Public Utilities Commission Energy Division (ED) notifies the Program Administrators of an intent to propose revisions to screw-in lamp baselines to 100% LED for normal replacements in the upcoming database of energy efficiency resources (DEER) update Resolution scheduled for a Q3 2019 release. The draft DEER resolution issued by ED will need final approval by the full Commission.

The revised baseline reflects regulatory and market trends.

- The US Department of Energy (DOE) has been considering expanding the 45 lumen/watt minimum standard to a wider range of screw-in lighting products in 2020. California Energy Commission has been working to align with the DOE proposal since 2018 and may or may not pursue adopting it as a state standard in the near future. While final rulings at both federal and state level cannot be predicted with certainty, manufacturers (especially large, established brands) are likely to avoid the risk and will most probably plan for 45 lumen/watt or higher products.
- ED concludes that in 2020 there is a high probability that 45 lumen/watt standard could apply to globes, candelabras, PARs and reflectors. Theoretically, this would eliminate halogen and incandescent lamps from the market and while CFLs would meet this standard, they are not expected to retain a significant market share. The outcome of the new standard will be to move these lamp types to a 100% LED baseline and that the baseline, will therefore, substantially exceed 45 lumen/watt for normal replacement measures.
- ED also notes that LEDs dominate retail shelf space, especially in big box and home improvement stores. A recent shelf inventory study found that 62% of all consumer-grade lamps stocked in California retail stores were LEDs. This study was based on shelf surveys of 200 California retail stores in the first quarter of 2019.

Screw-in lamp workpapers active for 2019 are not affected by this baseline update.

The Potential and Goals Study Contractor will be notified of the baseline update.