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TN # 7428J

JAN 11 2015

**STATE OF CALIFORNIA**

**ENERGY RESOURCES**

**CONSERVATION AND DEVELOPMENT COMMISSION**

In the matter of:	)	Resolution Number 14-1210-09
	)	Docket number: 12-BSTD-03
	)	
The Voluntary California Quality	)	
LED Specification	)	
_____	)	

**RESOLUTION UPDATING THE  
VOLUNTARY CALIFORNIA QUALITY  
LED LAMP SPECIFICATION**

**I. INTRODUCTION**

The California Energy Commission hereby adopts updates to its Voluntary California Quality Lamp Specification for Light-Emitting Diode (LED) Replacement Lamps. Since 2012, the Energy Commission has had a Voluntary California Quality Lamp Specification for LED replacement lamps based upon ENERGY STAR Product Specification for Lamps 1.0, draft version 2. This 2014 update is intended to better align the voluntary LED Specification with the latest version of ENERGY STAR, version 1.1, to facilitate manufacturers' participation in the voluntary LED specification.

**II. BACKGROUND**

In 2012, Energy Commission staff worked with technical experts, utilities, and the lighting industry to determine the appropriate level of performance necessary to achieve a LED lighting product that would meet or exceed customer expectations for general-purpose lighting in residences. The objective was to encourage production and sale of an LED product that would be functionally indistinguishable from equivalent incandescent lamps. Staff's work culminated in a report entitled "VOLUNTARY CALIFORNIA QUALITY LIGHT-EMITTING DIODE LAMP SPECIFICATION." (<http://www.energy.ca.gov/2012publications/CEC-400-2012-016/CEC-400-2012-016-SF.pdf>.) In its report, staff outlined a set of voluntary quality specifications intended to support energy policy makers and the lighting industry in their collective goal to move consumers toward more efficient LED lighting technology.

In December of 2012, the California Energy Commission adopted its Voluntary California Quality Lamp Specification for LED replacement lamps. The 2012 Standard was based upon a draft ENERGY STAR specification for LEDs. Since that time, the ENERGY STAR Specification has been finalized to version 1.0 and subsequently revised to 1.1. This update is intended to harmonize the voluntary LED Specification with the latest version of ENERGY STAR and to take advantage of the advancements developed through the US EPA's collaboration with stakeholders. This update to the specification aligns one particular area where the original voluntary LED Specification does not – the luminous intensity distribution requirements for omni-directional lamps. By this Resolution, the Commission incorporates the luminous intensity distribution requirements for omni-directional lamps from ENERGY STAR Product Specification for Lamps version 1.1 as included in the 2014 Voluntary California Quality Lamp Specification for LED replacement lamps. In addition, the update makes clear that recessed “can” retrofit kits do not need to meet ANSI lamp shapes as they are not intended to be in the form factor of a lamp. For the same reason, the update also changes the light distribution requirements of recessed “can” retrofit kits to align with the ENERGY STAR luminaires specification 1.2 for recessed downlights. This update is intended to increase manufacturer participation in the voluntary LED Specification through increased alignment with ENERGY STAR 1.1.

### **III. CALIFORNIA ENVIRONMENTAL QUALITY ACT**

The California Environmental Quality Act ("CEQA") requires that state agencies consider the environmental impact of their discretionary decisions. The Commission finds that the California Specification is a “project” under CEQA.

CEQA only apply to projects that have the potential for causing a significant effect on the environment. (Cal. Codes Regs., tit. 14, § 15061(b)(3).) A significant effect on the environment is defined as a substantial, or a potentially substantial, adverse change in the environment, and does not include an economic change by itself. (Pub. Resources Code, § 21068; Cal. Code Regs., tit. 14, § 15382.)

The adoption of a report that sets forth voluntary standards with no legal obligations has no potential for substantial adverse changes to the environment. If anything the report will benefit the environment by helping to promote energy conservation. Because it can be seen with certainty that there is no possibility that the updated report would have a significant effect on the environment, and nothing in the record suggests otherwise, adoption of 2014 Voluntary California Quality Lamp Specifications for LED Replacement Lamps would not be subject to CEQA because of the “common sense” exemption under section 15061(b)(3).

#### IV. ACTION TAKEN

The Energy Commission, after considering the entire record, approves the updated Voluntary California Quality LED Lamp Specification 2.0 (2014). We also order the Executive Director to make any necessary non-substantive changes to the Specification for publication; and to send the final published version to the Governor, the Legislature, the California Public Utilities Commission, and other public agencies, and to make it available to the public, as required by law.

#### CERTIFICATION

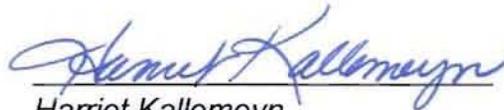
The undersigned Secretariat to the Commission does hereby certify that the foregoing is a full, true, and correct copy of a RESOLUTION duly and regularly adopted at a meeting of the California Energy Commission held on December 10, 2014:

AYE: Douglas, McAllister, Hochschild, Scott

NAY: None

ABSENT: Weisenmiller

ABSTAIN: None



*Harriet Kallemeyn,*  
Secretariat