

AMENDED IN SENATE JUNE 22, 2009

AMENDED IN ASSEMBLY APRIL 20, 2009

AMENDED IN ASSEMBLY APRIL 2, 2009

CALIFORNIA LEGISLATURE—2009–10 REGULAR SESSION

ASSEMBLY BILL

No. 228

Introduced by Assembly Member Huffman

February 4, 2009

An act to amend Sections 25402.5 and 25402.5.4 of the Public Resources Code, relating to energy.

LEGISLATIVE COUNSEL'S DIGEST

AB 228, as amended, Huffman. Energy: outdoor lighting efficiency.

Existing law requires the State Energy Resources Conservation and Development Commission to adopt regulations on minimum energy efficiency standards for lighting that would reduce the average statewide electrical energy consumption by not less than 25% from the 2007 levels for outdoor lighting by 2018. Existing law requires the commission to consult with the Department of Transportation to ensure that outdoor lighting standards that affect the department are compatible with the department's policies and standards for safety and illumination levels on state highways.

This bill would require the commission, by December 31, 2011, to adopt minimum energy efficiency standards *of 80 lumens per watt or more for outdoor lighting, as specified*, that would ~~achieve the above reduction for outdoor lighting as soon as practicable, but no later than January 1, 2018~~ *become effective on or before January 1, 2015*. The bill would also eliminate the requirement that the commission consult with the department.

Vote: majority. Appropriation: no. Fiscal committee: yes.
State-mandated local program: no.

The people of the State of California do enact as follows:

1 SECTION 1. Section 25402.5 of the Public Resources Code
2 is amended to read:
3 25402.5. (a) As used in this section, “lighting device” includes,
4 but is not limited to, a lamp, luminaire, light fixture, lighting
5 control, ballast, or any component of those devices.
6 (b) (1) The commission shall consider both new and
7 replacement, and both interior and exterior, lighting devices as
8 lighting which is subject to subdivision (a) of Section 25402.
9 (2) The commission shall include both indoor and outdoor
10 lighting devices as appliances to be considered in prescribing
11 standards pursuant to paragraph (1) of subdivision (c) of Section
12 25402.
13 (3) The Legislature hereby finds and declares that paragraphs
14 (1) and (2) are declarative of existing law.
15 (c) The commission shall adopt efficiency standards for outdoor
16 lighting. The standards shall be technologically feasible and
17 ~~cost-effective~~ *cost effective*. As used in this subdivision, “outdoor
18 lighting” refers to all electrical lighting that is not subject to
19 standards adopted pursuant to Section 25402, and includes, but is
20 not limited to, street lights, traffic lights, parking lot lighting, and
21 billboard lighting.
22 SEC. 2. Section 25402.5.4 of the Public Resources Code is
23 amended to read:
24 25402.5.4. (a) On or before December 31, 2008, the
25 commission shall adopt minimum energy efficiency standards for
26 all general purpose lights on a schedule specified in the regulations.
27 The regulations, in combination with other programs and activities
28 affecting lighting use in the state, shall be structured to reduce
29 average statewide electrical energy consumption by not less than
30 50 percent from the 2007 levels for indoor residential lighting and
31 by not less than 25 percent from the 2007 levels for indoor
32 commercial and outdoor lighting, by 2018.
33 (b) The commission shall make recommendations to the
34 Governor and the Legislature regarding how to continue reductions
35 in electrical consumption for lighting beyond 2018.

1 (c) The commission may establish programs to encourage the
2 sale in this state of general purpose lights that meet or exceed the
3 standards set forth in subdivision (a).

4 (d) (1) Except as provided in paragraph (2), the Department of
5 General Services, and all other state agencies, as defined in Section
6 12200 of the Public Contract Code, in coordination with the
7 commission, shall cease purchasing general purpose lights that do
8 not meet the standards adopted pursuant to subdivision (a), within
9 two years of those standards being adopted.

10 (2) The Department of General Services, and all other state
11 agencies, as defined in Section 12200 of the Public Contract Code,
12 in coordination with the commission shall cease purchasing general
13 purpose lights with an appearance that is historically appropriate
14 for the facilities in which the lights are being used, and that do not
15 meet the standards adopted pursuant to subdivision (a) within four
16 years of those standards being adopted.

17 (e) It is the intent of the Legislature to encourage the Regents
18 of the University of California, in coordination with the
19 commission, to cease purchasing general purpose lights that do
20 not meet the standards adopted pursuant to subdivision (a), within
21 two years of those standards being adopted.

22 (f) (1) (A) For purposes of this section, “general purpose lights”
23 means lamps, bulbs, tubes, or other electric devices that provide
24 functional illumination for indoor residential, indoor commercial,
25 and outdoor use.

26 (B) General purpose lights do not include any of the following
27 types of specialty lighting: appliance, black light, bug, colored,
28 infrared, left-hand thread, marine, marine signal service, mine
29 service, plant light, reflector, rough service, shatter resistant, sign
30 service, silver bowl, showcase, three-way, traffic signal, and
31 vibration service or vibration resistant.

32 (2) The commission may, after one or more public workshops,
33 with public notice and an opportunity for all interested parties to
34 comment, provide for inclusion of a particular type of specialty
35 light in its energy efficiency standards applicable to general
36 purpose lighting, if it finds that there has been a significant increase
37 in sales of that particular type of particular specialty light due to
38 the use of that specialty light in general purpose lighting
39 applications.

1 (3) General purpose lights do not include lights needed to
2 provide special-needs lighting for individuals with exceptional
3 needs.

4 ~~(g) (1) Notwithstanding subdivision (a), no later than December~~
5 ~~31, 2011, the commission shall adopt minimum energy efficiency~~
6 ~~standards applicable to outdoor lighting to achieve a 25 percent~~
7 ~~reduction in consumption as specified in subdivision (a) as soon~~
8 ~~as practicable, but no later than January 1, 2018. When adopting~~
9 ~~efficiency standards for outdoor lighting, the commission shall~~
10 ~~have the authority to include efficiency standards for outdoor~~
11 ~~lighting systems.~~

12 ~~(2) The Legislature finds and declares that new and emerging~~
13 ~~lighting efficiency technologies, including technologies applicable~~
14 ~~to lighting systems, provide enormous opportunities to accelerate~~
15 ~~the conservation efforts mandated by this section. It is the intent~~
16 ~~of the Legislature to achieve the energy efficiencies required by~~
17 ~~this section significantly earlier than 2018.~~

18 *(g) (1) Notwithstanding subdivision (a), on or before December*
19 *31, 2011, the commission shall adopt minimum energy efficiency*
20 *standards for outdoor lighting, as measured by the total measured*
21 *initial light output divided by the measured input power, of 80*
22 *lumens per watt or more. These standards shall be effective no*
23 *later than January 1, 2015.*

24 *(2) The scope of the standards, at a minimum, shall include*
25 *standards for luminaires used to illuminate roadways, streets,*
26 *parking lots, and parking garages.*

27 *(3) The standards shall apply only to new luminaires sold on*
28 *or after the effective date of the standards.*

29 *(4) The standards shall be performance based and technology*
30 *neutral.*

31 *(5) Luminaire efficiency shall be measured in a manner*
32 *determined by the commission. The commission may include*
33 *measurement tests developed by lighting industry professional*
34 *societies and associations to determine luminaires efficiency.*

35 *(6) If the commission fails to adopt minimum energy efficiency*
36 *standards by December 31, 2011, pursuant to this subdivision, the*
37 *minimum energy efficiency standard for outdoor lighting, effective*
38 *on January 1, 2015, shall be 80 lumens per watt.*

39 *(7) The commission shall determine whether to require lighting*
40 *control capable of obtaining multiple light output levels, or*

- 1 *automatic on-off control, or both controls, for various light*
- 2 *applications, and the performance requirements for these controls.*

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