

CALIFORNIA ENERGY COMMISSION

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Staff Supplement to CASE Report #

Date: February 17, 2015

Pages: 2

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Subject: Nonresidential Lighting Controls: Partial-ON Occupancy Sensors, 2016-NR-LTG2-F

DESCRIPTION OF PROPOSED REGULATORY CHANGES

CASE report #2016-NR-LTG2-F, titled Nonresidential Lighting Controls: Partial-ON Occupancy Sensors, proposes to make the following changes to the Standards:

- Add mandatory provisions for partial-ON lighting controls.
- Revise Section 110.9(b)4F to specify that occupancy sensors shall have a maximum delay time of 20 minutes.
- Revise Section 130.1(c)5 to specify that the lighting control required by this Section shall either be a partial-ON occupant sensor or a vacancy sensor, and to more clearly specify differing controls for spaces that are not required to have multi-level lighting.
- Remove the prescriptive requirement relating to partial-ON sensor, and the associated Power Adjustment Factor, from Section 140.6 and Table 140.6-A, as partial-ON controls are now specified in mandatory provisions.
- Revise Section 130.1(c)6 and (c)7 to directly specify partial-off controls.

Staff agrees with the proposed changes to Section 130.1, and have incorporated substantively similar changes into the proposed Express Terms.

STAFF ANALYSIS AND CONCLUSION

Staff has analyzed the submitted CASE report and reached the following conclusions for the measures included in the Express Terms:

- Based on the evidence presented in the CASE Report, the measures, as proposed, appear to be cost effective and the author appears to have appropriately followed the Energy Commission's Life Cycle Cost methodology.
- Measure costs premiums presented in the CASE Report appear reasonable and appropriate for the measure proposed.

- Measure energy savings presented in the CASE Report appear to have been appropriately modeled and appear credible.
- Measure environmental impacts presented in the CASE Report appear reasonable and appropriate for the measure proposed.