

CALIFORNIA ENERGY COMMISSION

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Staff Supplement to CASE Report #2016-NR-ASHRAE1-F

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Subject: HVAC Equipment Efficiency Based on ASHRAE 90.1-2013 2016-NR-ASHRAE1-F

California Energy Commission

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DESCRIPTION OF PROPOSED REGULATORY CHANGES

CASE report #2016-NR-ASHRAE1-F, titled HVAC Equipment Efficiency Based on ASHRAE 90.1-2013, proposes to make the following changes to the Standards:

- The CASE proposal recommends changes in Tables 110.2-A through K to align the space conditioning equipment energy efficiency requirements with minimum efficiency requirements of ASHRAE 90.1-2013.

Staff agrees with the proposed changes to Tables 110.2-A through K and has 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.