

**INTERPRETATION IC 90.1-2004-28 OF
ANSI/ASHRAE/IESNA STANDARD 90.1-2004
Energy Standard for Buildings Except Low-Rise Residential Buildings**

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Request from: Felix A. Lopez (felix.lopez@cpa.state.tx.us), Texas State Energy Conservation Office, 111 E. 17th Street, Room #1114, Austin, TX 78701.

Reference: This request for interpretation refers to the requirements presented in ANSI/ASHRAE/IESNA Standard 90.1-2004, Section 9.1.2, regarding lighting alterations.

Background: The Texas State Energy Conservation Office (SECO) has authority by statute to adopt energy codes for state-funded buildings, state agencies and higher education, in Texas. The latest adopted ASHRAE Standard 90.1 by SECO was the 2004 edition who took effect on September 1, 2005. SECO has been requiring compliance with Section 9.1.2 Lighting Alterations in the energy standard for retrofits of fluorescent lighting where only the lamps and ballasts are replaced (not the housing) and more than 50% of the lighting is retrofitted. This is required regardless of any other interpretation based on the specifications in Section 4.1.2 of the standard that places the final interpretation and application of the provisions of the Standard with the authority having jurisdiction.

Interpretation: The intent of Section 9.1.2 is to require that when more than 50% of the complete luminaires (housing, lamp, ballast, etc.) in a space are replaced, then the requirements of the standard must be met but that individual component replacement does not by itself activate the need for compliance. However, Section 4.1.2 of the Standard notes that the *authority having jurisdiction* has the final responsibility and authority at their discretion in specifying enforcement, interpretation, and exemptions to the requirements in the standard.

Question: Is this interpretation correct?

Answer: Yes.

Comment: The intent of the requirements in Section 9.1.2 are based on the understanding that component replacement will be an improvement on energy efficiency. The intent of Section 4.1.2 is to ensure that the local *authority having jurisdiction* has the capability of applying the requirements in the Standard as needed for practicality and/or program purposes while striving for the energy efficiency intended by the Standard.