

ORDINANCE NO. 7620

AN ORDINANCE AMENDING SECTION 10-7, "ENERGY CONSERVATION AND INSULATION CODE," B.R.C. 1981 BY ADDING AN ADDITIONAL ENERGY EFFICIENCY REQUIREMENT FOR COMMERCIAL BUILDINGS, AND SETTING FORTH RELATED DETAILS.

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF BOULDER, COLORADO:

Section 1. Section 10-7-2, "Energy Conservation Code," B.R.C. 1981 is amended by the addition of a new subsection 10-7-2(h) to read:

(h) Section 501.1 is repealed and reenacted to read:

**Section 501.1 Scope.**

The requirements contained in this chapter are applicable to new commercial buildings and additions to or remodels of commercial buildings. Commercial buildings shall exceed the energy efficiency requirements of ASHRAE/IESNA Standard 90.1 *Energy Standard for Building Except for Low-Rise Residential Buildings by at least 30%* or other approved equivalent design criteria.

**501.1.1 Alternative approaches for compliance.**

The following methods of compliance may be used in place of the approach described in section 501.1 above:

1. Buildings of 20,000 square feet or less may be designed to a prescriptive standard as detailed in this chapter or through other measures that result in a building that is at least 30% more energy efficient than the 2006 IECC.
2. Commercial core and shell buildings that have 50 percent or less finished floor area may divide the 30 percent energy efficiency requirement between the core and shell building design and the future interior tenant finish design. The energy efficiency savings

percentages assigned to each element of the building shall be designated at the time of the submittal of the building permit for the core and shell permit.

3. The construction documents for remodeling an existing commercial envelope, mechanical, and lighting systems shall demonstrate compliance with this section in one of the following ways described below. The construction documents shall include compliance documentation that demonstrates that:

A. The altered building area or systems will meet the requirements of section 506, "Total Building Performance" 2006 IECC and the resulting compliance package shows an altered building area or system that is 30 percent more energy efficient than the 2006 IECC;

B. The remodel area will meet an approved set of prescriptive requirements that are at least 30 percent more efficient than the 2006 IECC. An applicant may use the ASHRAE Advanced Energy Design Guides for such prescriptive requirements, or equivalent method that is approved by the city manager; or

C. The remodel area meets the 2006 IECC requirements and is submitted with an energy efficiency implementation plan prepared by an licensed architect or registered professional engineer which shows how the proposed work will contribute to future energy efficiency improvements to bring the building up to 30 percent above the 2006 IECC.

Section 2. This ordinance shall be effective at 12:01 a.m. on March 2, 2009. It shall be applied to building permit applications submitted after the effective date. Building permits applied for before the effective date shall be considered under the program in effect at the time of application.

Section 3. This ordinance is necessary to protect the public health, safety, and welfare of the residents of the city, and covers matters of local concern.

Section 4. The council deems it appropriate that this ordinance be published by title only and orders that copies of this ordinance be made available in the office of the city clerk for public inspection and acquisition.

INTRODUCED, READ ON FIRST READING, AND ORDERED PUBLISHED BY  
TITLE ONLY this 21st day of October 2008

\_\_\_\_\_  
Mayor

Attest:

\_\_\_\_\_  
City Clerk on behalf of the  
Director of Finance and Record

READ ON SECOND READING, PASSED, ADOPTED, AND ORDERED  
PUBLISHED BY TITLE ONLY this 10<sup>th</sup> day of November 2008.

\_\_\_\_\_  
Mayor

Attest:

\_\_\_\_\_  
City Clerk on behalf of the  
Director of Finance and Record