

## Department of Energy

## § 435.302

*Code, 2004 Supplement Edition, January 2005 (incorporated by reference, see § 435.3).*

### § 435.6 Sustainable principles for siting, design and construction. [Reserved]

### § 435.7 Water used to achieve energy efficiency. [Reserved]

### § 435.8 Life-cycle costing.

Each Federal agency shall determine life-cycle cost-effectiveness by using the procedures set out in subpart A of 10 CFR part 436. A Federal agency may choose to use any of four methods, including lower life-cycle costs, positive net savings, savings-to-investment ratio that is estimated to be greater than one, and an adjusted internal rate of return that is estimated to be greater than the discount rate as listed in OMB Circular Number A-94 "Guidelines and Discount Rates for Benefit-Cost Analysis of Federal Programs."

## Subpart B—Voluntary Performance Standards for New Non-Federal Residential Buildings [Reserved]

## Subpart C—Mandatory Energy Efficiency Standards for Federal Residential Buildings

### § 435.300 Purpose.

(a) This subpart establishes voluntary energy conservation performance standards for new residential buildings. The voluntary energy conservation performance standards are designed to achieve the maximum practicable improvements in energy efficiency and increases in the use of non-depletable sources of energy.

(b) Voluntary energy conservation performance standards prescribed under this subpart shall be developed solely as guidelines for the purpose of providing technical assistance for the design of energy conserving buildings, and shall be mandatory only for the Federal buildings for which design for construction began before January 3, 2007.

(c) The energy conservation performance standards will direct Federal policies and practices to ensure that cost-

effective energy conservation features will be incorporated into the designs of all new Federal residential buildings for which design for construction began January 3, 2007.

[53 FR 32545, Aug. 25, 1988, as amended at 71 FR 70284, Dec. 4, 2006]

### § 435.301 Scope.

(a) The energy conservation performance standards in this subpart will apply to all Federal residential buildings for which design of construction began before January 3, 2007 except multifamily buildings more than three stories above grade.

(b) The primary types of buildings built by or for the Federal agencies, to which the energy conservation performance standards will apply, are:

- (1) Single-story single-family residences;
- (2) Split-level single-family residences;
- (3) Two-story single-family residences;
- (4) End-unit townhouses;
- (5) Middle-unit townhouses;
- (6) End-units in multifamily buildings (of three stories above grade or less);
- (7) Middle-units in multifamily buildings (of three stories above grade or less);
- (8) Single-section mobile homes; and
- (9) Multi-section mobile homes.

[53 FR 32545, Aug. 25, 1988, as amended at 71 FR 70284, Dec. 4, 2006]

### § 435.302 Definitions.

(a) *ANSI* means American National Standards Institute.

(b) *ASHRAE Handbook* means American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc., *ASHRAE Handbook*, 1985 Fundamentals, Volume, 1-P Edition.

(c) *ASTM* means American Society of Testing and Measurement.

(d) *British thermal unit (Btu)* means approximately the amount of heat required to raise the temperature of one pound of water from 59 °F to 60 °F.

(e) *Building* means any new residential structure:

- (1) That includes or will include a heating or cooling system, or both, or a domestic hot water system, and