

CHAPTER 6

BUILDINGS AND BUILDING REGULATIONS

ARTICLE 17 ENERGY CONSERVATION CODE

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**6-17-1 ADOPTION OF INTERNATIONAL ENERGY CONSERVATION CODE**

Three (3) Document copies, in accordance with 50 ILCS 220/2, and 65 ILCS 5/1-3-2, have been available for public use, inspection and examination for thirty (30) days and one copy for permanent public use in the office of the Village Clerk of the Village of Carol Stream, being marked and designated as "International Energy Conservation Code, 2003 Edition," as published by The International Code Council, Inc., be and is hereby adopted as the Energy Conservation Code of the Village of Carol Stream, State of Illinois, for the control of buildings and structures as therein provided; and each and all regulations, provisions, penalties, conditions and terms of said International Energy Conservation Code 2003, are hereby adopted and made a part hereof as if fully set out in this article, with additions, insertions, deletions and changes, if any, prescribed in Sections 6-17-2 through 6-17-3 of this article.

**6-17-2 AMENDMENTS TO CHAPTER 1**

**CHAPTER 1  
ADMINISTRATION**

**SECTION 101  
SCOPE AND GENERAL REQUIREMENTS**

**101.1 Title.** This code shall be known as the *Energy Conservation Code* of ~~(NAME OF JURISDICTION)~~ **the Village of Carol Stream**, and shall be cited as such. It is referred to herein as "this code."

**SECTION 107  
REFERENCED STANDARDS**

**107.1 General.** The standards, and portions thereof, which are referred to in this code and listed in Chapter 10, shall be considered part of the requirements of this code to the extent of such reference.

**107.1.1 Electrical code.** All references to the *ICC Electrical Code* shall be construed to refer to the Electrical Code as amended and adopted by the Village of Carol Stream.

**107.1.2 Gas code.** All references to the *International Fuel Gas Code* shall be construed to refer to the Fuel Gas Code as amended and adopted by the Village of Carol Stream.

**107.1.3 Mechanical code.** All references to the *International Mechanical Code* shall be construed to refer to the Mechanical Code as amended and adopted by the Village of Carol Stream.

**107.1.4 Plumbing code.** All references to the *International Plumbing Code* shall be construed to refer to the Plumbing Code as amended and adopted by the Village of Carol Stream.

**107.1.5 Property maintenance code.** All references to the *International Property Maintenance Code* shall be construed to refer to the Property Maintenance Code as amended and adopted by the Village of Carol Stream.

**107.1.6 Residential code.** All references to the *International Residential Code* shall be construed to refer to the Residential Code as amended and adopted by the Village of Carol Stream.

**107.1.7 Fire code.** All references to the *International Fire Code* shall be construed to refer to the Fire Code as amended and adopted by the Village of Carol Stream.

**107.1.8 Building code.** All references to the *International Building Code* shall be construed to refer to the Building Code as amended and adopted by the Village of Carol Stream.

## 6-17-3 AMENDMENTS TO CHAPTER 5

### CHAPTER 5 RESIDENTIAL BUILDING DESIGN BY COMPONENT PERFORMANCE APPROACH

#### SECTION 502 BUILDING ENVELOPE REQUIREMENTS

**502.1.1 Moisture control.** The design shall not create conditions of accelerated deterioration from moisture condensation. Frame walls, floors and ceilings not ventilated to allow moisture to escape shall be provided with an approved vapor retarder having a maximum permeance rating of 1.0 perm ( $5.7 \times 10^{-11}$  kg/Pa · s · m<sup>2</sup>) when tested in accordance with Procedure A of ASTM E 96. The vapor retarder shall be installed on the warm-in-winter side of the thermal insulation.

#### Exceptions:

1. In construction where moisture or its freezing will not damage the materials.
2. Where the county in which the building is being constructed is considered a hot and humid climate area and identified as such in Figures 302.1 (1) through 302.1(51).
3. ~~Where other approved means to avoid condensation in unventilated framed walls, roof and ceiling cavities are provided.~~