

VILLAGE OF DOWNERS GROVE
Report for the Village Council Meeting

5/17/2016

SUBJECT:	SUBMITTED BY:
Amend Chapter 7 - Energy Code Update	Stan Popovich, AICP Director of Community Development

SYNOPSIS

An ordinance has been prepared amending portions of Chapter 7 of the Municipal Code to adopt the current International Energy Conservation Code.

STRATEGIC PLAN ALIGNMENT

The goals for 2015-2017 identified *Exceptional Municipal Services* and *Steward of Financial, Environmental and Neighborhood Sustainability*.

FISCAL IMPACT

N/A

UPDATE & RECOMMENDATION

This item was discussed at the May 10, 2016 Village Council meeting. Staff recommends approval on the May 17, 2016 Active Agenda.

BACKGROUND

In accordance with the Energy Efficient Building Act, the State of Illinois has updated the Illinois Energy Conservation Code by adopting the 2015 International Energy Conservation Code (IECC) with State amendments. The State is required to review and adopt the most current version of the IECC within one year after its publication date. In turn, each municipality is required by law to follow the statewide energy conservation code. The proposed ordinance addresses this most recent adoption as well as future State updates by adopting the *current* International Energy Conservation Code mandated by the State of Illinois. State law prohibits municipalities from adopting local amendments that would conflict with the State standards. Accordingly, staff is only proposing local amendments that will streamline the permitting process.

A brief summary of the goals and requirements of this State Law can be found in its entirety at:

<http://www.illinois.gov/dceo/whyillinois/keyindustries/energy/Pages/IECC.aspx>

The law is designed to help protect the environment and reduce energy consumption. By following an energy conservation code, property owners can reduce air pollution, moderate energy demand and stabilize energy costs and electric, oil, and gas supplies.

In its May & June 2015 reports the U.S. Department of Energy concluded that new single- and multi-family homes built to the 2015 IECC, compared with buildings built to the 2012 IECC, would result in an energy cost savings of approximately 0.63 percent and new commercial buildings built to the 2015 IECC, compared with buildings built to the 2012 IECC, would result in an energy cost savings of 11.5 percent on a national aggregated basis.

ATTACHMENTS

Ordinance

VILLAGE OF DOWNERS GROVE
COUNCIL ACTION SUMMARY

INITIATED: Community Development DATE: May 17, 2016
(Name)

RECOMMENDATION FROM: n/a FILE REF: _____
(Board or Department)

NATURE OF ACTION:

STEPS NEEDED TO IMPLEMENT ACTION:

Ordinance

Resolution

Motion

Other

Motion to adopt "AN ORDINANCE ADOPTING THE CURRENT INTERNATIONAL CODE COUNCIL ENERGY CONSERVATION CODE", as presented.

DCP

SUMMARY OF ITEM:

This ordinance will adopt the current International Code Council Energy Conservation Code and amendments thereto.

RECORD OF ACTION TAKEN:

IECC

ORDINANCE NO. _____

AN ORDINANCE ADOPTING THE CURRENT INTERNATIONAL CODE COUNCIL ENERGY CONSERVATION CODE

BE IT ORDAINED by the Village Council of the Village of Downers Grove in DuPage County, Illinois, as follows: (Additions are indicated by ~~shading~~/underline; deletions by ~~strikeout~~):

Section 1. That Section 7.1501. is hereby amended to read as follows:**7.1501. Energy Conservation Code - Adopted.**

~~The International Code Council Energy Conservation Code, as promulgated by the International Code Council ("ICC"), being particularly the 2012 edition thereof, is hereby adopted.~~ The current International Energy Conservation Code (hereafter referred to as the IECC) mandated by the State of Illinois, and any amendment thereto, is hereby adopted for the purpose of establishing rules and regulations for the construction, alteration, removal, demolition, equipment, use and occupancy, location and maintenance of buildings and structures, including permits and penalties required for such purposes. The same is adopted in its entirety, save and except such portions as are hereinafter deleted, modified or amended, and is, together with such amendments, incorporated as fully as if set out at length herein, and shall control in the construction of all buildings and structures therein regulated within the Village. Said Energy Conservation Code, as modified and amended, may be referred to for all purposes as the "Downers Grove Energy Conservation Code" or the "Energy Conservation Code". At least one copy of said Code, including such amendments to it as shall be enacted, shall be filed in the office of the Village Clerk, and additional copies shall be available in the Community Development Department of the Village.

Section 2. That Section 7.1502. is hereby amended to read as follows:**7.1502. International Energy Conservation Code - Amendments.**

The deletions from and modifications and amendments to the International Energy Conservation Code as referred in this Article are the following:

Section C101.1 is amended by deleting the same in its entirety and substituting in lieu thereof the following:

C101.1 Title. This code shall be known as the International Energy Conservation Code of the Village of Downers Grove, and shall be cited as such. It is referred to herein as "this code."

Section C101.4.3 is amended by deleting Exception #3.

Section C103.1 is amended by deleting the phrase "one or more sets" and substituting in lieu thereof the following:
"two ore more sets"

Section C103.3.1 is amended by deleting the same in its entirety and addressed in Chapter 7, Article IV of the Downers Grove Municipal Code.

Section C103.3.2 is amended by deleting the same in its entirety and addressed in Chapter 7, Article IV of the Downers Grove Municipal Code.

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Section C107 is amended by deleting the same in its entirety and addressed in Chapter 7, Article VIII of the Downers Grove Municipal Code.

Section C108.4 is amended by deleting the same in its entirety and addressed in Chapter 7, Article V of the Downers Grove Municipal Code.

Section C109 is amended by deleting the same in its entirety and addressed in Chapter 7, Article IX of the Downers Grove Municipal Code.

Section C201.3 is amended by deleting the same in its entirety and substituting in lieu thereof the following:

C201.3 Terms defined in other codes. Terms that are not defined in this code but are defined in the International Building Code, the National Electrical Code, International Fire Code, International Fuel Gas Code, International Mechanical Code, State of Illinois Plumbing Code, or the International Residential Code shall have the meanings ascribed to them in those codes.

~~**Section C301.2 through Section C301.3** are deleted in their entirety.~~

~~**Table C301.3(1)** is deleted in its entirety.~~

~~**Section C402.1.1** is amended by deleting the same in its entirety and substituting in lieu thereof the following:~~

~~**C402.1.1 Installation and fenestration criteria.** The *building thermal envelope* shall meet the requirements of Tables C402.1.1 and C402.3 based on the climate zone specified in Chapter 3. The Village of Downers Grove is located in climate zone no. 5. Commercial buildings or portions of commercial buildings enclosing Group R occupancies shall use the *R*-values from the "Group R" column of Table C402.2. Commercial buildings or portions of commercial buildings enclosing occupancies other than Group R shall use the *R*-values from the "All other" column of Table C402.2. Buildings with a vertical fenestration area or skylight area that exceed that allowed in Table C402.3 shall comply with the building envelope provisions of ANSI/ASHRAE/IESNA 90.1.~~

Section R101.1 is amended by deleting the same in its entirety and substituting in lieu thereof the following:

R101.1 Title. This code shall be known as the International Energy Conservation Code of the Village of Downers Grove, and shall be cited as such. It is referred to herein as "this code."

~~**Section R101.4.3** is amended by deleting Exception #3.~~

~~**Section R103.1** is amended by deleting the phrase "one or more sets" and substituting in lieu thereof the following:~~

~~"two ore more sets"~~

Section R103.3.1 is amended by deleting the same in its entirety and addressed in Chapter 7, Article IV of the Downers Grove Municipal Code.

~~**Section R103.3.2** is amended by deleting the same in its entirety and addressed in Chapter 7, Article IV of the Downers Grove Municipal Code.~~

Section R107 is amended by deleting the same in its entirety and addressed in Chapter 7, Article VIII of the

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Downers Grove Municipal Code.

Section R108.4 is amended by deleting the same in its entirety and addressed in Chapter 7, Article V of the Downers Grove Municipal Code.

Section R109 is amended by deleting the same in its entirety and addressed in Chapter 7, Article IX of the Downers Grove Municipal Code.

Section R201.3 is amended by deleting the same in its entirety and substituting in lieu thereof the following:

R201.3 Terms defined in other codes. Terms that are not defined in this code but are defined in the International Building Code, the National Electrical Code, International Fire Code, International Fuel Gas Code, International Mechanical Code, State of Illinois Plumbing Code, or the International Residential Code shall have the meanings ascribed to them in those codes.

~~**Section R301.2 through Section R301.3** are deleted in their entirety.~~

~~**Table R301.3(1)** is deleted in its entirety.~~

~~**Section R402.1.1** is amended by deleting the same in its entirety and substituting in lieu thereof the following:~~

~~**R402.1.1 Installation and fenestration criteria.** The *building thermal envelope* shall meet the requirements of Table R402.1.1 based on the climate zone specified in Chapter 3. The Village of Downers Grove is located in climate zone no. 5.~~

~~**Section R402.2.10** is amended by deleting the same in its entirety and substituting in lieu thereof the following:~~

~~**R402.2.10 Crawl space walls.** As an alternative to insulating floors over crawl spaces, crawl space walls shall be permitted to be insulated when the crawl space is not vented to the outside. Crawl space wall insulation shall be permanently fastened to the wall and extend downward from the floor to the finished grade level and then vertically and/or horizontally for at least an additional twenty four (24) inches. Exposed earth shall not be permitted in crawl spaces. A minimum of a two (2) inch concrete slush coat on a vapor barrier on a minimum of four (4) inches of gravel shall be required.~~

~~**Section R405.6.3** is amended by deleting the same in its entirety and substituting in lieu thereof the following:~~

~~**R405.6.3 Input values.** When calculations require input values not specified by Sections 402, 403, and 404, those input values shall be taken from a source approved by the code official.~~

Section 3. That all ordinances or parts of ordinances in conflict with the provisions of this ordinance are hereby repealed.

Section 4. That this ordinance shall be in full force and effect from and after its passage and publication in the manner provided by law.

IECC

Mayor

Passed:

Published:

Attest: _____

Village Clerk