



ST. CHARLES
SINCE 1834

AGENDA ITEM EXECUTIVE SUMMARY

Title:	Recommendation to Approve an Amendment to Section 15.04.055 of the St. Charles City Code Adopting the 2012 International Energy Conservation Code
Presenter:	Bob Vann, Building & Code Enforcement Division Manager

Please check appropriate box:

	Government Operations		Government Services
X	Planning & Development (3/11/13)		City Council
	Public Hearing		

Estimated Cost:	N/A	Budgeted:	YES		NO	
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If NO, please explain how item will be funded:

Executive Summary:

In 2004, the State of Illinois adopted the Illinois Energy Conservation Code (Public Act 093-0936) thereby, mandating that any permitted commercial building follow the 2006 International Energy Conservation Code (IECC). In 2009, Public Act 096-0778 mandated that all building permits, including residential construction, comply with the 2009 International Energy Conservation Code. In August of 2012 the State of Illinois once again updated the Illinois Energy Conservation Code to mandate that all construction comply with the 2012 International Energy Conservation Code.

As such, Section 15.04.055 of the City Code, which currently references the 2009 IECC, needs to be amended to adopt the 2012 IECC to comply with the State mandate.

Attachments: *(please list)*

Ordinance amending Section 15.04.055 of the City Code; Information on the Illinois Energy Conservation Code from the State of Illinois website.

Recommendation / Suggested Action *(briefly explain):*

Staff recommends approval of the amendments to Section 15.04.055 of the City Code to adopt the 2012 IECC.

<i>For office use only:</i>	<i>Agenda Item Number: 3a</i>
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City of St. Charles, IL
Ordinance No. 2013-M-_____

An Ordinance Amending Title 15 “Building and Construction”, Chapter 15.04 “Building Code”, Section 15.04.055 "International Energy Conservation Code Adopted and Modified” of the St. Charles Municipal Code.

WHEREAS, the State of Illinois updated the Illinois Energy Conservation Code to mandate that all construction comply with the 2012 International Energy Conservation Code;

NOW THEREFORE, BE IT ORDAINED by the City Council of the City of St. Charles, Kane and DuPage Counties, Illinois as follows:

1. Title 15, “Building and Construction”, Chapter 15.04 “Building Code” of the St. Charles Municipal Code, is and hereby amended by deleting the provisions of Section 15.04.055 entitled “International Energy Conservation Code 2009 Adopted and Modified,” and by substituting the following therefore:

“15.04.055 International Energy Conservation Code 2012 – Regulations Adopted and Modified. The provisions of the 2012 International Energy Conservation Code issued by the International Code Council, Inc., 4051 West Flossmoor Road, Country Club Hills, IL 60478, not less than three (3) copies of which have been and are on file in the Office of the Clerk of the City of St. Charles, Illinois for more than thirty (30) days, as hereby adopted.”

2. That after the adoption and approval hereof this Ordinance shall be (i) printed or published in book or pamphlet form, published by the authority of the Council, or (ii) within thirty (30) days after the adoption hereof, be published in a newspaper published in and with a general circulation within the City of St. Charles.

PRESENTED to the City Council of the City of St. Charles, Kane and DuPage Counties, Illinois this _____ day of _____, 2013.

PASSED, by the City Council of the City of St. Charles, Kane and DuPage Counties, Illinois this _____ day of _____, 2013.

APPROVED, by the Mayor and City of St. Charles, Kane and DuPage Counties, Illinois this _____ day of _____, 2013.

Mayor

Ordinance No. 2013-M-_____

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Attest:

City Clerk/Recording Secretary

COUNCIL VOTE:

Ayes: _____

Nays: _____

Absent: _____

Abstain: _____

APPROVED AS TO FORM:

City Attorney

DATE: _____



Pat Quinn, Governor Adam Pollet, Acting Director

BUSINESS ASSISTANCE

dceo > Business Assistance > Energy & Recycling

Administration/Director's Office

Energy & Recycling

Office of Accountability



Advantage Illinois

Illinois Energy Conservation Code For Commercial And Residential Buildings

Business Development

Coal

Community Development



Public Act 096-0778 was signed into law on August 28, 2009 amending the Energy Efficient Commercial Building Act by including residential buildings and amending the name of the act to the Energy Efficient Building Act. The new requirements for residential buildings became effective on January 29, 2010.

Energy & Recycling

HISTORY OF THE ILLINOIS ENERGY CONSERVATION CODE

Energy Star Rebates

Public Act 093-0936 (Illinois Energy Conservation Code for Commercial Buildings) was signed into law in August, 2004. The Illinois Energy Conservation Code for Commercial Buildings became effective April 8, 2006. On October 9, 2007 the Law was revised to mandate the latest published edition, excluding supplements, of the International Energy Conservation Code. As of August 18, 2009 the Illinois Energy Conservation Code for Commercial Buildings was the 2009 International Energy Conservation Code. On August 28, 2009, Public Act 096-0778 requiring an energy code for residential buildings was signed into law. It became effective on January 29th, 2010, officially establishing the 2009 International Energy Conservation Code as the first energy code for residential buildings in Illinois.

Resources

Energy

Recycling

Economic Stimulus

Contact

Entrepreneurship, Innovation & Technology



Film

Technology

Tourism

Trade

Workforce Development

Facts & Figures

Energy Assistance

Grantee Support

2012 IECC Takes Effect in Illinois on January 1, 2013

Senate Bill 3724, signed by the Governor on August 17, 2012, amends the implementation date of the 2012 Illinois Energy Conservation Code to January 1, 2013. It will lengthen the time the Board has to review and adopt future published editions of the Code and make them effective. This will allow stakeholders more time for training and preparation to build, design, and enforce the future updated codes.

MAIN MENU

Administrative Rules to adopt the 2012 International Energy Conservation Code with amendments as Illinois Energy Conservation Code were approved by the Joint Committee on Administrative Rules on December 11, 2012.

Workforce Development

Community Development

WHAT THE LAW REQUIRES

The Law requires all new commercial and residential construction for which a building permit application is received by a municipality or county to follow a comprehensive statewide energy conservation code. Renovations, alterations, additions, and repairs to most existing commercial and residential buildings must follow the Illinois Energy Conservation Code. The Law requires design and construction professionals to follow the latest published edition of the International Energy Conservation Code which is currently the 2012 International Energy Conservation Code and the American Society of Heating, Refrigeration and Air-conditioning Engineers (ASHRAE) Standard 90.1, 2010 "Energy Standard for Buildings except Low-Rise Residential Buildings." Under the law, the Capital Development Board has the power to modify the Illinois Energy Conservation Code.

Tourism

Film

Facts and Figures

About DCEO

State Links

Local governments are free to adopt stricter energy conservation Laws for commercial buildings. However, for residential buildings, local governments may not adopt or regulate energy conservation standards either less or more stringent than the Illinois Energy Conservation Code. Exceptions which would allow local governments to regulate energy efficient standards in a more stringent manner are municipalities or counties which meet one of

the following three provisions:

- A unit of local government that on or before May 15, 2009 adopted or incorporated by reference energy efficient building standards for residential building that are equivalent to or more stringent than the 2006 International Energy Conservation Code
- A unit of local government that on or before May 15, 2009 provided to the Capital Development Board identification of an energy efficient building code or amendment that is equivalent to or more stringent than the 2006 International Energy Conservation Code
- A municipality with a population of 1,000,000 or more

THE GOALS OF THE LAW

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.

The efficient gains of the 2009 code set a new baseline for International Energy Conservation Code-compliant homes and buildings, and while there will be regional variability and uncertainty in the technology penetration, preliminary estimates from U.S. DOE suggest the 2009 International Energy Conservation Code saves 10.8% of energy spent for heating, cooling, water heating, and lighting while the 2012 IECC saves 32.1%.

WHAT THE LAW DOESN'T COVER

The Law does not apply to officially designated historic buildings, buildings exempt from a local building code, and buildings that do not use either electricity or fossil fuel for comfort conditioning. For purposes of determining whether this exemption applies, a building will be presumed to be heated by electricity, even in the absence of equipment used for electric comfort heating, whenever the building is provided with electrical service in excess of 100 amps. "Illinois' Energy Efficient Building Act" can be found in Chapter 20 of the Illinois Compiled Statutes, Act 3125.

TRAINING OPPORTUNITIES – PROGRAM YEAR 2012-13

The Illinois Energy Office's schedule for another training series directed at the Illinois construction industry is now available. Homebuilders, general contractors, architects, engineers, code officials, HVAC specialists, realtors, and home performance professionals will be able to learn about the newest energy conservation codes for new construction, additions and renovation projects in Illinois. Sessions will be offered to Illinois Investor Owned Utility customers at no cost. Course offerings as follows:

- **2012 IECC Applications for Illinois** - This seminar provides the basis for correct use of the 2012 IECC and ASHRAE Standard 90.1-2010 in the design, plan review, field-inspection, and analysis of construction in Illinois. Topics covered include: 2012 IECC, ASHRAE 90.1 2010, the Chicago Energy Conservation Code, Blower Door and Duct Pressure Testing, Controls for Daylight Harvesting, Designing for On-Site Renewables, and Systems Commissioning (Cx).
 - o October 2012 - December 2012 IECC classes
 - o January 2013 - May 2013 IECC classes
- **NEW! Right-Sized HVAC Design, the Missing Ingredient in Most Homes** - As part of the permit and inspection process, the IRC and IECC have, for years, required ACCA Manual-J load calculations. The 2012 IECC will now also require the use of ACCA Manual-S for equipment sizing. Using a case study, this seminar will provide the basis for understanding the residential HVAC design process, and the appropriate short-forms for quick and easy review of residential HVAC system design. Topics covered include: ACCA Manuals 'J8' (loads), 'S' (sizing), 'D' (duct design), ASHRAE Standard 62.2 and appropriate compliance documentation.
 - o October 2012 - December 2012 HVAC classes
 - o January 2013 - May 2013 HVAC classes

Registration questions? [Click here](#)

Energy Code Interpretations of the 2012 Energy Conservation Code - Email your question or call 1-708-770-0554 for technical interpretations of the 2012 *International Energy Conservation Code*® (IECC®), with amendments, as it applies to the State of Illinois.