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Sponsored by Ollis, Lear, Hosmer
and McGull

First Reading November 4, 2019

Second Reading November 18, 2019

COUNCIL BILL 2019- 259

GENERAL ORDINANCE 6563

AN ORDINANCE

1 ADOPTING the 2012 International Energy Conservation Code as Article XIX of
2 Chapter 36 of the Springfield City Code, known as the Land
3 Development Code; declaring the intent of the currently constituted City
4 Council to adopt the 2018 or 2021 International Energy Conservation
5 Code to take effect on January 1, 2023; and instructing City staff to
6 solicit input from stakeholders about whether minor amendments to the
7 2018 or 2021 Code should be adopted prior to such Code’s adoption
8 and to present a report regarding the input and staff’s recommendations
9 to City Council. (Recommended by Plans and Policies Committee.)
10
11

12 BE IT ORDAINED BY THE COUNCIL OF THE CITY OF SPRINGFIELD,
13 MISSOURI, as follows, that:
14

15 Section 1 – City Council hereby adopts Springfield City Code, Chapter 36, Article
16 XIX, ‘Energy Conservation Code,’ which reads as follows:
17

18 (Note: Language to be added is underlined and language being removed is ~~stricken~~.)
19

20 ARTICLE XIX. – ENERGY CONSERVATION CODE
21

22 Sec. 36-1901. – Adoption of energy conservation code.
23

24 City Council hereby adopts the 2012 International Energy Conservation Code as
25 published by the International Code Council and all referenced standards as if spelled
26 out herein, except such portions thereof as are hereinafter deleted, modified, or
27 amended. This Code shall be designated as Article XIX, International Energy
28 Conservation Code, of Chapter 36 of the Springfield City Code, known as the Land
29 Development Code. One (1) copy of said Code is on file in the office of the City Clerk,
30 Busch Municipal Building, 840 Boonville Avenue, Springfield, Missouri.
31

32 Sec. 36-1902. – Deletions, modifications, amendments, and additions.
33

34 The 2012 International Energy Conservation Code, as adopted, is hereby
35 amended and changed as follows:

- 36
- 37 (a) Chapter 1 is repealed in its entirety because code enforcement is covered in
38 Springfield City Code Chapter 36, Land Development Code, Article I,
39 Administration and Enforcement of Codes and Article X, Uniform
40 Enforcement Procedures.
- 41
- 42 (b) Because Chapter 1 is repealed in its entirety, any cross references to
43 Chapter 1 in subsequent chapters are replaced by the provisions in Article I
44 that correspond, in content, to such cross references.
- 45
- 46 (c) Amend all adopted chapters and appendices in accordance with all errata
47 hereafter identified and published by the International Code Council after the
48 date of the first printing of the 2012 International Energy Conservation Code.
- 49

50 Section C202 General Definitions

51

52 Residential Building. ~~For this code, includes Residential buildings except~~ detached
53 one- and two-family dwellings and multiple single-family dwellings (townhouses), which
54 are governed by the adopted International Residential Code, as well as Group R-2, R-3
55 and R-4 buildings three stories or less in height above grade plane.

56

57 Section C402 Building Envelope Requirements

58

59 C402.4.1.2.3 Building test. Testing ~~¶~~the completed building for air leakage shall not be
60 mandatory unless required by the building official as provided for in Section 36-148 of
61 the Code of Ordinances of the City of Springfield. shall be tested and If tested the air
62 leakage rate of the *building envelope* shall not exceed 0.40 cfm/ft² at a pressure
63 differential of 0.3 inches water gauge (2.0 L/s · m² at 75 Pa) in accordance with ASTM E
64 779 or an equivalent method approved by the code official.

65

66 Section C403 Building Mechanical Systems

67 C403.2.4.4 Shutoff damper controls.

68

69 Exceptions:

70

71

72 2. Gravity dampers shall be permitted for building of any height located In
73 Climate Zones 1, 2, 3, and 4.

74

75 C405 Electrical Power and Lighting Systems

76 C405.2 Lighting Controls (Non-Mandatory)

77 C405.6 Exterior lighting (Non-Mandatory)

78

79

80
81 C408 System Commissioning (Non-Mandatory)

82
83 Section R402 Building Thermal Envelope.

84
85 R402.4.1.2 Testing. The building or dwelling unit shall not be tested unless required by
86 the building official as provided for in Section 36-148 of the Code of Ordinances of the
87 City of Springfield, and verified as having an If tested the air leakage rate of shall not
88 exceeding 5⁷ air changes per hour in Climate Zones 1 and 2, and 3 air changes per
89 hour in Climate Zones 3 through 8. Testing shall be conducted with a blower door at a
90 pressure of 0.2 inches w.g. (50 Pascals). Where required by the *code official*, testing
91 shall be conducted by an *approved* third part. A written report of the results of the test
92 shall be signed by the party conducting the test and provided to the *code official*.
93 Testing shall be performed at any time after creation of all penetrations of the *building*
94 *thermal envelope*.

95 During testing:

- 96 1. Exterior windows and doors, fireplace and stove doors shall be closed, but not
97 sealed, beyond the intended weatherstripping or other infiltration control
98 measures:
- 99 2. Dampers including exhaust, intake, makeup air, backdraft and flue dampers shall
100 be closed, but not sealed beyond intended infiltration control measures;
- 101 3. Interior doors, if installed at the time of the test, shall be open;
- 102 4. Exterior doors for continuous ventilation systems and heat recovery ventilators
103 shall be closed and sealed;
- 104 5. Heating and cooling systems, is installed at the time of the test, shall be turned
105 off; and
- 106 6. Supply and return register, if installed at the time of the test, shall be fully open.

107
108 Sec. 36-1903. – Penalty clause.

109
110 Any person violating any of the provisions of this Ordinance article, or failing to
111 comply with any order issued pursuant to any section thereof; or who shall erect,
112 construct, alter or repair a building, structure or system in violation of an approved plan
113 or directive of the code official or of a permit or certificate issued under the provisions of
114 these codes shall be guilty of a violation of a municipal ordinance and upon conviction
115 thereof shall be punished as provided for in section 1-7 of the City Code, except that
116 any fine imposed shall not be less than \$200.00 for the first offense, \$400.00 for the
117 second offense, and \$500.00 for every offense thereafter. Each day that a violation
118 continues, after a service of notice as provided for in these codes, shall be deemed a
119 separate offense. Notice as set forth in section 36-166 shall not be required in order to
120 prosecute a person for a violation of any provision of this article or these codes, except
121 such notice shall be required to prosecute a person for failure to comply with an order.
122

EXPLANATION TO COUNCIL BILL 2019-259

FILED: 10-29-19

ORIGINATING DEPARTMENT: Building Development Services

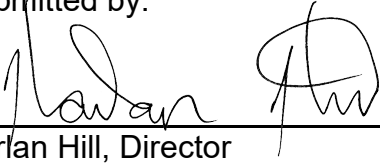
PURPOSE: Adopting the 2012 International Energy Conservation Code as Article XIX of Chapter 36 of the Springfield City Code, known as the Land Development Code; declaring the intent of the currently constituted City Council to adopt the 2018 or 2021 International Energy Conservation Code to take effect on January 1, 2023; and instructing City staff to solicit input from stakeholders about whether minor amendments to the 2018 or 2021 Code should be adopted prior to such Code's adoption and to present a report regarding the input and staff's recommendations to City Council. (Recommended by Plans and Policies Committee.)

BACKGROUND AND REMARKS: The current energy conservation code enforced by the City is the 2012 International Energy Conservation Code by reference in the adopted International Building Code. By adopting the 2012 International Energy Conservation Code, as a separate Article XIX, the City will be maintaining consistency of adoptive procedure and format. Adoption of the latest 2018 edition of the energy conservation code is not being recommended by staff at this time. Due to enforcement challenges by the department and current construction practices, the 2018 code would potentially impose increased construction costs. By adopting the 2012 Energy Conservation Code with amendments, the provisions contained within this Ordinance do not excessively and unnecessarily increase construction costs; do not restrict the use of new materials, productions, or methods of construction; and, do not give preferential treatment to particular types or classes of materials, products, or methods of construction.

The Building Development Services Department ("BDS") met with representatives of the local design and construction industry over the course of the past several months to discuss the ramifications of adopting this new code. Comments were requested from designers, electricians, plumbers, building contractors, gas fitters, general contractors, developers, and others that may be affected by the adoption of this code. The language of this Ordinance was placed on the City website for review by the members of the Home Builders Association, Springfield Contractors Association, Missouri Society of Professional Engineers, and the local chapter of the American Institute of Architects.

Councilman Ollis offered an alternative Ordinance draft that adopts the 2012 International Energy Conservation Code and declares the intent of the current City Council to adopt the 2018 or 2021 Code to take effect on July 1, 2023, and instructs staff to solicit input from stakeholders about whether minor amendments to the 2018 or 2021 Code should be adopted and to provide a report to Council by no later than June 30, 2022. The Plans and Policies Committee voted to recommend this version of the Ordinance to City Council.

Submitted by:



Harlan Hill, Director
Building Development Services

Approved by:



Jason Gage, City Manager