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Filed: 01-05-16

Sponsored by: Fulnecky

First Reading: January 11, 2016

Second Reading January 25, 2016

COUNCIL BILL NO. 2016- 014

GENERAL ORDINANCE NO. 6262

AN ORDINANCE

1 AMENDING Chapter 36 of the Springfield City Code, known as the Land  
2 Development Code, Article VI, Electrical Code, Division 2 – Deletions,  
3 Modifications, Amendments and Additions to the Electric Code, Section  
4 36-612 by amending certain subsections and enacting a new subsection  
5 related to the same subject.  
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7

8 BE IT ORDAINED BY THE COUNCIL OF THE CITY OF SPRINGFIELD,  
9 MISSOURI, as follows, that:

10  
11 Section 1 – Chapter 36 of the Springfield City Code, known as the Land  
12 Development Code, Article VI, Electric Code, Division 2 – Deletions, Modifications,  
13 Amendments, and Additions, to the Electric Code is hereby amended as follows:  
14

15 Note: Underlined language is to be added. ~~Stricken~~ language is to be removed.

16  
17 Sec. 36-612. - Deletions, modifications, amendments, and additions to the electrical  
18 code.

19  
20 NFPA 70, 2011 National Electrical Code (hereafter referred to as the NEC), as  
21 adopted, is hereby amended and changed as follows:

22 \*\*\*\*\*

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24  
25 (b) Amend Article 100, Definitions, by adding the following definitions:

26  
27 *Service Repair.* The repair or replacement of a device or element of the service  
28 with a new device or element of the service, provided the repair or replacement  
29 material is of the same size or ampacity as the original.

30  
31 *Service Upgrade.* Any service work which cannot be defined as a service repair.  
32

33 (c) Amend Article 110.24, Available Fault Current subsection (B)  
34 Modifications, as follows:

35  
36 (B) Modifications. When the modifications to the electrical installation occur  
37 that affect the maximum available fault current at the service, the maximum  
38 available fault current shall be verified or recalculated as necessary to ensure  
39 the equipment service ratings are sufficient for the maximum available fault  
40 current at the line terminals of the equipment. The required field marking(s) in  
41 110.24(A) shall be adjusted to reflect the new level of maximum available  
42 fault current.

43  
44 Exception No. 1: The field marking requirements in 110.24(A) and 110.24(B)  
45 shall not be required in industrial installations where conditions of  
46 maintenance and supervision ensure that only qualified persons service the  
47 equipment.

48  
49 Exception No 2: The field marking required in 110.24(A) and 110.24(B) shall  
50 not be required where the following conditions exist:

51  
52 (1) The overhead service-entrance conductor does not exceed one 3/0  
53 copper, one 4/0 aluminum per phase or equivalent parallel provided in  
54 310.10(H) for a 200 amp single phase or smaller service.

55  
56 (2) The service lateral consists of one #3 copper, one #2 aluminum or  
57 smaller conductor per phase with a 100 amp single phase main  
58 overcurrent protective device or smaller.

59  
60 (3) The main service disconnect shall be labeled with a label that has  
61 sufficient durability to withstand the environment involved stating that the  
62 Available Fault Current is less than 10,000 amps.

63  
64 Exception No 3: The Authority Having Jurisdiction may require field marking  
65 as per 110.24(A) and 110.24(B) if felt that the fault current may be higher than  
66 10,000 due to conductor length or transformer size.

67  
68 (ed) Amend Article 210, Branch Circuits, Section 210.8, Ground-Fault  
69 Circuit-Interrupter Protection for Personnel, subsection (A)(2), as follows:

70  
71 (2) Garages and also accessory buildings that have a floor located at or  
72 below grade level not intended as habitable rooms and limited to storage  
73 areas, work areas and areas of similar use.

74  
75 Exception: The receptacle adjacent to and used solely for the purpose of  
76 providing power for the garage door opener does not have to be GFCI protected.  
77

78 (~~de~~) Amend Article 210, Branch Circuits, Section 210.12, Ground-Fault  
79 Circuit-Interrupter Protection for Personnel, subsection (A), Dwelling Units, as  
80 follows:

81  
82 (A) *Dwelling Units.* All 120-volt, single phase, 15- and 20-ampere branch  
83 circuits supplying outlets installed in a dwelling unit bedroom shall be  
84 protected by a listed arc-fault circuit interrupter combination-type, installed  
85 to provide protection of the branch circuit.

86 (All fine print notes and exceptions shall remain as written.)

87  
88 (~~ef~~) Amend Article 210, Branch Circuits, Section 210.52 Dwelling Unit  
89 Receptacle Outlets, subsection (G)(2), as follows:

90  
91 (2) Where a portion of the basement is finished into one or more habitable  
92 rooms, each separate unfinished portion shall have a receptacle outlet  
93 installed in accordance with this section. When interior walls for separate  
94 rooms are framed, these areas shall be considered as finished areas and  
95 shall be provided with the required branch circuits as required by Article  
96 210, and any required smoke detectors. All wiring shall be protected from  
97 physical damage by the wall framing or the wall shall be covered with  
98 sheetrock applied to at least one side of the wall.

99  
100 (~~fg~~) Amend Article 230, Services, by adding a new subsection (F) to Section  
101 230.2, General, as follows:

102 (~~F~~)-*Residential Service Upgrades.*

103  
104 (1) In all structures used for residential purposes, a service upgrade  
105 or modification shall mandate the following electrical system  
106 improvements.

107  
108 a. GFI receptacles in the kitchen(s) and bathroom(s) shall be  
109 installed if outlets are in existence at the time of the service upgrade.

110  
111 b. Approved hard-wired, dual-powered, interconnected smoke  
112 alarms shall be installed and located as per the adopted building  
113 code.

114  
115 c. The kitchen shall be provided with a minimum of two (grounded  
116 small appliance branch circuits.

117  
118 d. All apparent hazards shall be corrected.

119  
120 (2) If a fire occurs, or other similar incident that damages any part of  
121 the electrical system within a residential structure, in addition to all  
122 damaged systems being repaired, it is mandated that all apparent  
123

124 hazards within the structure be corrected. Hard-wired, dual-powered,  
125 interconnected smoke detectors shall be installed and located as per  
126 the adopted building codes. If the service portion of the electrical system  
127 is damaged or upgraded as a result of a fire or other incident, it shall  
128 require that all items listed in paragraph F(1) of this section shall be  
129 provided.

130  
131 (3) A total or partial upgrade of the electrical system may be  
132 required, if in the opinion of the Code Official, or his designee, the  
133 condition of the existing electrical system constitutes a potential threat  
134 to the safety and welfare of current or future occupants.

135  
136 (gh) Amend Article 230, Services, Section 230.70, General, subsection  
137 (A)(1), as follows:

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139 (1) *Readily Accessible Location.* The service disconnecting means shall be  
140 installed at a readily accessible location either outside of a building or  
141 structure or inside nearest the point of entrance to the service conductors.  
142 The maximum length of conduit between the meter back and service  
143 disconnect shall not exceed 36 inches, unless authorized by the authority  
144 having jurisdiction prior to installation.

145  
146 (hi) Amend Article 230, Services, Section 230.72, Grouping of Disconnects,  
147 subsection (A), as follows:

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149 (A) *General.* The two to six disconnects as permitted in 230.71 shall be  
150 grouped. Each disconnect shall be marked to indicate the load served. The  
151 word "grouped" shall be defined as being within two feet of each other and  
152 on the same wall with no intervening obstructions which exceed eight  
153 inches in depth from the wall surface, unless authorized by the authority  
154 having jurisdiction prior to installation. Each disconnect shall be marked to  
155 indicate the load served.

156  
157 (Editor's note: The exception listed under Article 230.72 (A) shall remain  
158 unchanged.)

159  
160 (ij) Repeal Article 406, Receptacles, Cord Connectors, and Attachment  
161 Plugs (Caps), Section 406.2, Definition, Child Care Facility, in its entirety.

162  
163 (jk) Repeal Article 406, Receptacles, Cord Connectors, and Attachment  
164 Plugs (Caps), Section 406.12, Tamper-Resistant Receptacles in Dwelling  
165 Units, in its entirety.

166  
167 (kl) Repeal Article 406, Receptacles, Cord Connectors, and Attachment  
168 Plugs (Caps), Section 406.13, Tamper-Resistant Receptacles in Guest Rooms  
169 and Guest Suites, in its entirety.

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(lm) Amend Article 406, Receptacles, Cord Connectors, and Attachment Plugs (Caps), Section 406.14, Tamper-Resistant Receptacles in Child Care Facilities, as follows:

In all Child Care facilities, as defined in General Ordinance No. 3642 of the City of Springfield addressing Child Day Care, Day Care Centers, Hourly Care Centers, Pre-schools, Nursery Schools, all 125-volt, 15- and 20-amp nonlocking-type receptacles shall be listed tamper-resistant receptacles.

Section 2 – Savings Clause. Nothing in this ordinance shall be construed to affect any suit or proceeding now pending in any court or any rights acquired or liability incurred nor any cause or causes of action accrued or existing, under any act or ordinance repealed hereby, or shall any right or remedy of any character be lost, impaired, or affected by this ordinance.

Section 3 – Severability Clause. If any section, subsection, sentence, clause, or phrase of this ordinance is for any reason held to be invalid, such decision shall not affect the validity of the remaining portions of this ordinance. The Council hereby declares that it would have adopted the ordinance and each section, subsection, sentence, clause, or phrase thereof, irrespective of the fact that any one or more sections, subsections, sentences, clauses, or phrases be declared invalid.

Section 4 – This ordinance shall be in full force and effect from and after February 1, 2016.

Passed at meeting: January 25, 2016

Robert L. Stephen  
Mayor

Attest: [Signature], Assistant City Clerk

Filed as Ordinance: January 25, 2016

Approved as to form: [Signature], Assistant City Attorney

Approved for Council Action: [Signature], City Manager

**EXPLANATION TO COUNCIL BILL NO. 2016- 014**

FILED: 01-05-16

ORIGINATING DEPARTMENT: BUILDING DEVELOPMENT SERVICES

PURPOSE: To amend and add certain sections of Chapter 36 of the Springfield City Code, known as the Land Development Code, Article VI, Electrical Code, Division 2 – Deletions, Modifications, Amendments and Additions to the Electric Code, Section 36-612 by amending certain subsections and enacting a new subsection related to the same subject.

BACKGROUND AND REMARKS: With the adoption of the 2011 National Electrical Code, staff and the development community determined that it would be in the best interest of the community to change from a 3 year cycle on new code adoption to a 6 year cycle. The international codes are revised and published every 3 years. It was also agreed that the “off year publication” (2014 edition) would be reviewed for possible amendments to the 2011 edition currently adopted by the City of Springfield. The proposed amendments are based on a review of the 2014 edition. The proposed amendments provide improved language and design provisions that will benefit citizens and the development community.

The proposed amendments were placed on the City website for review by the members of the Home Builders Association, Springfield Contractors Association, Missouri Society of Professional Engineers, the local chapter of the American Institute of Architects, and the Development Issues Input Group. The City has received no objections to the proposed amendments.

Submitted by:

  
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Building Development Services

Approved by:

  
\_\_\_\_\_  
City Manager