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Sponsored by Ollis, Lear and McGull

First Reading November 4, 2019

Second Reading November 18, 2019

COUNCIL BILL 2019- 251

GENERAL ORDINANCE 6556

AN ORDINANCE

1 AMENDING Chapter 36 of the Springfield City Code, known as the 'Land Development
2 Code,' by repealing Article VI, 'Electrical Code,' in its entirety, and
3 enacting in lieu thereof a new Article VI, 'Electrical Code.' (Recommended
4 by Plans and Policies Committee.)
5
6

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

10 Section 1 – Springfield City Code, Chapter 36, Article VI, 'Electrical Code,' is
11 repealed in its entirety and a new Article VI is enacted in lieu thereof, to read as follows:
12

13 (Note: Language to be added is underlined and language being removed is ~~stricken~~.)
14

15 ARTICLE VI. – ELECTRICAL CODE

16 Sec. 36-611. – Adoption of 2018 Electrical Code.

17
18 City Council hereby adopts the National Fire Protection Association ("NFPA") 70,
19 2017 National Electrical Code, along with all errata that may be produced and published
20 by the NFPA, and all referenced standards therein as if spelled out in this Ordinance,
21 except such portions thereof as are hereinafter deleted, modified, or amended. This
22 Code shall be designated as Article VI, 'Electrical Code,' of Chapter 36, of the Springfield
23 City Code. One (1) copy of said Code is on file in the office of the City Clerk, Busch
24 Municipal Building, 840 Boonville Avenue, Springfield, Missouri.
25

26
27 Sec. 36-612. – Deletions, modifications, amendments, and additions.
28

29 The National Fire Protection Association ("NFPA") 70, National Electrical Code,
30 2017 (hereinafter referred to as the "NEC"), as adopted, is hereby amended as follows:
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32 Section 90.4 Enforcement is repealed in its entirety and replaced with:
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34 Section 90.4 Enforcement. It shall be unlawful for any person to install, or permit the
35 installation of, any electrical wiring, equipment, or apparatus within the corporate limits
36 of the City of Springfield, unless the same shall be installed to conform with the
37 standards and provisions of the 2017 NEC, the latest approved edition of the Electrical
38 Service Standards of City Utilities of Springfield, and all other applicable City codes and
39 ordinances. In the event of a conflict between these documents the most stringent or
40 restrictive shall govern, or an administrative interpretation may be made by the Director
41 of Building Development Services to resolve such conflicts.

42
43 Article 100 Definitions

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45 Service Repair. The repair or replacement of a device or element of the service with a
46 new device or element of the service, provided the repair or replacement material is of
47 the same size or ampacity as the original.

48
49 Service Upgrade. Any service work that cannot be defined as a service repair.

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51 Article 110.24 Available Fault Current

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53 (B) Modifications:

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55 Exceptions:

56
57 1. The field-marking requirements in 110.24(A) and 110.24(B) shall not be
58 required in industrial installations where conditions of maintenance and
59 supervision ensure that only qualified persons service the equipment.

60
61 2. Field-marking requirements and calculations shall not be required on single-
62 phase aerial or underground electrical installations when the service ampacity
63 does not exceed 200 amps.

64
65 210.8 Ground-Fault Circuit-Interrupter Protection for Personnel

66
67 (A) Dwelling Units. All 125-volt, single-phase, 15- or 20- ampere receptacles installed in
68 locations specified in 210.8(A)(1) through (10) shall have ground-fault circuit-interrupter
69 protection for personnel.

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

74
75 a. not intended as habitable rooms; and,
76 b. limited to storage areas, work areas, and areas of similar use

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78 Exception to (2): A single receptacle installed solely for electrical supply of a garage
79 door opener.

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210.12 Arc-Fault Circuit-Interrupter Protection

(A) Dwelling Units. All 120-volt, single phase, 15- and 20-ampere branch circuits supplying outlets or devices installed in dwelling unit ~~kitchens, family rooms, dining rooms, living rooms, parlors, libraries, dens, bedrooms, sunrooms, recreation rooms, closets, hallways, laundry areas, or similar rooms or areas~~ shall be protected by any of the means described in 210.12(A)(1) through (6).

210.52 Dwelling Unit Receptacle Outlets.

(G) Basements, Garages, and Accessory Buildings.

(3) Basements. In each separate, unfinished portion of a basement, framed, interior walls for separate rooms constitute finished areas and, therefore, must have branch circuits as required by Article 210, and any required smoke detectors. All wiring must be protected from physical damage by the wall framing or the wall must be covered with sheetrock applied to at least one side of the wall.

230.11. Residential service upgrades and repairs.

(A) In all structures used for residential purposes, a service upgrade or modification must include:

(1) GFI receptacles in kitchen(s) and bathroom(s), if outlets are in existence at the time of the service upgrade;

(2) Approved hard-wired, dual-powered, interconnected smoke alarms installed and located per the adopted building code;

(3) A minimum of two (2) 20 amp grounded small appliance branch circuits in kitchens;

(4) Carbon monoxide detectors installed according to R315.1 where the structure has an attached garage or fuel-fired appliances; and,

(5) Corrections to all apparent hazards.

(B) Damage repair. If a fire or other similar incident damages any part of the electrical system within a residential structure, the system, in addition to all damaged systems, must be completely repaired and:

(1) All apparent hazards within the structure must be corrected.

(2) Hard-wired, dual-powered, interconnected smoke detectors and carbon-

126 monoxide detectors must be installed and located per the adopted building
127 codes.

128
129 (3) A total or partial upgrade of the electrical system may be required if, in the
130 opinion of an electrical expert in the Department of Building Development
131 Services, the condition of the existing electrical system constitutes a potential
132 threat to the safety and welfare of current or future occupants.

133
134 230.70 General.

135
136 (A) Location.

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

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145 230.72 Grouping of Disconnects.

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147 (A) General. The two to six disconnects as permitted in 230.71 shall be grouped.
148 The term "grouped" as used in this sub-article is defined as being within two
149 feet of each other, on the same wall, with no intervening obstructions
150 exceeding eight inches in depth from the wall surface, unless otherwise
151 authorized by the Department of Building Development Services prior to
152 installation. Each disconnect shall be marked to indicate the load served.

153
154 406.2 Definitions.

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156 Child Care Facility. A building or structure, or portion thereof, for educational,
157 supervisory, or personal-care services for ~~more than four~~ children 7 years old or less.

158
159 406.12 Tamper-Resistant Receptacles. All 15- and 20-ampere, 125- and 250-volt
160 nonlocking-type receptacles in the areas specified in 406.12(1) through (73) shall be
161 listed tamper-resistant receptacles.

162
163 (1) Dwelling units in all areas specified in 210.52 as amended and 550.13.

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165 ~~(2) Guest rooms and guest suites of hotels and motels.~~

166 (32) Child care facilities as amended.

167
168 (43) Preschools and elementary education facilities.

169
170 ~~(5) Business offices, corridors, waiting rooms and the like in clinics, medical and~~
171 ~~dental offices and outpatient facilities.~~

172
173 ~~(6) — Subset of assembly occupancy~~
174 ~~as described in 518.2 to include places of waiting transportation, gymnasiums, skating~~
175 ~~rinks, and auditoriums.~~

176
177 ~~(7) — Dormitories.~~

178
179 Exception to (1), (2), and (3), ~~(4), (5), (6), and (7)~~: Receptacles in the following locations
180 shall not be required to be tamper resistant:

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182 (1) Receptacles located more than 1.7 m (5 ½ft) above the floor

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184 (2) Receptacles that are part of a luminaire or appliance

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186 (3) A single receptacle or a duplex receptacle for two appliances located within the
187 dedicated space for each appliance that, in normal use, is not easily moved from one
188 place to another and that is cord-an-plug-connected in accordance with 400.10(A)(6),
189 (A)(7); or (A)(8).

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191 (4) Nongrounding receptacles used for replacements as permitted in 404.4(D)(2)(a)

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193 Sec. 36-613. – Penalty clause.

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195 Any person convicted of: violating this article; failing to comply with any order
196 issued under it; or, erecting, constructing, altering, or repairing a building, structure, or
197 system in violation of an approved plan or directive of the code official or of a permit or
198 certificate issued under these codes shall be punished as provided in section 1-7 of the
199 City Code. A fine must be at least \$200.00 for the first offense, \$400.00 for the second
200 offense, and \$500.00 for every offense thereafter. Notice under section 36-166 is not
201 necessary to prosecute a violation of any provision of this article or these codes, unless
202 the violation involves failure to comply with an order. Each day a violation continues is a
203 separate offense.

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205 Sec. 36-314. – Administrative Enforcement.

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207 The administrative-enforcement provisions of Chapter 36 of the Springfield City
208 Code, known as the Land Development Code, are applicable to the enforcement of the
209 National Electrical Code.

210
211 Section 2 – Savings Clause. Nothing in this Ordinance shall be construed to
212 affect any suit or proceeding now pending in any court or any rights acquired, or liability
213 incurred nor any cause or causes of action accrued or existing, under any act or
214 ordinance repealed hereby, or shall any right or remedy of any character be lost,
215 impaired, or affected by this Ordinance.

216
217 Section 3 – Severability Clause. If any section, subsection, sentences, clause,

218 or phrase shall not affect the validity of the remaining portions of this Ordinance. City
219 Council hereby declares that it would have adopted this Ordinance and each section,
220 subsection, sentence, clause, or phrase thereof, irrespective of the fact that any one or
221 more sections, subsections, sentences, clauses, or phrases be declared invalid.
222

223 Section 4 – This Ordinance shall be in full force and effect 90 days from and after
224 passage by City Council.

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226 Passed at meeting: November 18, 2019

227
228 
229 _____
230 Mayor

231 Attest:  _____, City Clerk

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233 Filed as Ordinance: November 18, 2019

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235 Approved as to form:  _____, Assistant City Attorney

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238 Approved for Council action:  _____, City Manager
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EXPLANATION TO COUNCIL BILL 2019 -251

FILED: 10-29-19

ORIGINATING DEPARTMENT: Building Development Services

PURPOSE: Amending Chapter 36 of the Springfield City Code, known as the 'Land Development Code,' by repealing Article VI, 'Electrical Code,' in its entirety, and enacting in lieu thereof a new Article VI, 'Electrical Code.' (Recommended by Plans and Policies Committee.)

BACKGROUND AND REMARKS: The electrical code, adopted by the City of Springfield, does not have administrative-enforcement provisions. By applying enforcement provisions in Chapter 36 to enforce the electrical code, the City will provide safer electrical work.

The provisions contained within this Ordinance do not unnecessarily increase construction costs; do not restrict the use of new materials, productions, or methods of construction; and, do not give preferential treatment to types or classes of materials, products, or methods of construction.

The proposed Ordinance was presented to the Plans and Policies Committee on October 17, 2019, and approved by Councilman Ollis, Councilman Lear and Councilman McGull.

The Building Development Services ("BDS") Department has 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, mechanical 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.

Recommended by:



Harlan Hill, Director,
Building Development Services

Approved by:



Jason Gage, City Manager