

BILL NO. 19-35

ORDINANCE NO. 5023

AN ORDINANCE AMENDING CHAPTER 7 OF THE MUNICIPAL CODE OF THE CITY OF CRESTWOOD, MISSOURI, REVISING SECTIONS RELATING TO THE ADOPTION OF ST. LOUIS COUNTY PLUMBING AND ELECTRICAL CODES, AND ADOPTING THE 2014 NATIONAL ELECTRICAL CODE WITH THE AMENDMENTS ADOPTED BY ST. LOUIS COUNTY

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WHEREAS, the City of Crestwood (the "City") contracts with St. Louis County for certain code enforcement services, including enforcement of electrical and plumbing codes; and

WHEREAS, the City has previously adopted the National Electrical Code, 2008 edition as published by the National Fire Protection Association, as amended by St. Louis County, as the City's Electrical Code, as set forth in Section 7-1 of the Municipal Code of the City of Crestwood (the "Code"); and

WHEREAS, the National Fire Protection Association has since approved and published the 2014 edition of the National Electrical Code, incorporating various updates; and

WHEREAS, the County Council of St. Louis County has adopted Ordinance No. 27,430 adopting the 2014 edition of the National Electrical Code, with certain amendments; and

WHEREAS, St. Louis County requires any city contracting for code enforcement services to adopt a substantially identical version of its code, including all amendments; and

WHEREAS, the County Council of St. Louis County has adopted Ordinance No. 27,424 adopting the Uniform Plumbing Code 2015 Edition as published by the International Association of Plumbing and Mechanical Officials as the Plumbing Code of St. Louis County; and

WHEREAS, in enacting Ordinance No. 27,424, St. Louis County exercised its authority under its charter and Section 192.300, RSMo, which grant St. Louis County authority to enact ordinances designed to enhance the public health and prevent the entrance of infectious,

contagious, communicable or dangerous diseases that are applicable in its unincorporated areas and within incorporation municipalities; and

WHEREAS, Ordinance No. 27,424 amended Section 1103.P-040 of the St. Louis County Revised Ordinances (SLCRO) 1974 as amended to state that such Ordinance “shall be in effect in all parts of St. Louis County outside incorporated cities, and also within the limits of all municipalities in St. Louis County...”; and

WHEREAS, the Board of Aldermen has determined that Chapter 7 of the City’s Code should be amended to reflect St. Louis County’s recent updates to its plumbing and electrical codes; and

WHEREAS, pursuant to Section 67.280, RSMo, the City has maintained at least one copy of the National Electrical Code, 2014 Edition, and the Uniform Plumbing Code, 2015 Edition, on file in the office of the City Clerk for at least 90 days prior to the adoption of this Ordinance, and same shall remain available for public use, inspection and examination; and

WHEREAS, the Board of Aldermen finds that the proposed revisions to Chapter 7 of the Code would be in the best interest of the City.

NOW THEREFORE, BE IT ORDAINED BY THE BOARD OF ALDERMEN OF THE CITY OF CRESTWOOD, MISSOURI, AS FOLLOWS:

SECTION 1: Section 7-1 of Article I of Chapter 7 of the Municipal Code of the City of Crestwood, Missouri, is hereby amended to read as follows, with repealed language struck through, and new language in red:

**Sec. 7-1        County Codes – Adopted.**

- (a) The following codes of St. Louis County, as the same may be amended from time to time, are hereby adopted as the codes of the City of Crestwood:
  - (1) Building (as approved by St. Louis County on July 21, 2010 – Ordinance 24,444);

- (2) Residential (as approved by St. Louis County on July 13, 2010 – Ordinance 24,427);
- (3) Existing Buildings (as approved by St. Louis County on July 21, 2010 – Ordinance 24,444);
- (4) Electrical Code (as approved by St. Louis County on ~~June 11, 2019~~ July 14, 2010 – Ordinance ~~27,430~~ 24,439), and as set forth in Sections 7-50 – 7-57 of this Code;
- (5) Explosives Code (as approved by St. Louis County on November 6, 1997 – Ordinance 18,693);
- (6) Mechanical (as approved by St. Louis County on July 14, 2010 – Ordinance 24,438); and
- (7) Plumbing (as approved by St. Louis County on ~~June 4, 2019~~ July 14, 2010 – Ordinance ~~27,424~~ 24,441).

SECTION 2: Article II of Chapter 7 of the Municipal Code of the City of Crestwood, Missouri, is hereby amended by adding eight new sections, to be numbered Sections 7-50, 7-51, 7-52, 7-53, 7-54, 7-55, 7-56, and 7-57, to read as follows:

**Sec. 7-50 Code Adopted.**

That certain document, copies of which are on file in the city clerk's office and the office of the public services director, City of Crestwood, being marked and designated as the National Electrical Code, 2014 edition ("NEC-2014"), as published by the National Fire Protection Association, be and is hereby adopted as the electrical code of the City of Crestwood for the regulation of electrical equipment as herein provided; and each and all of the regulations, provisions, penalties, conditions and terms of said code are hereby referred to, adopted and made a part hereof as if fully set out herein with the additions, deletions and changes as prescribed in this Chapter.

**Sec. 7-51 Jurisdictional Title.**

Throughout the National Electrical Code 2014, wherever the terms "Name of Jurisdiction" or "Local Jurisdiction" appear it shall be deemed to mean "St. Louis County, Missouri." Likewise, wherever the term "Department of Electrical Inspection" appears it shall be deemed to mean "St. Louis County Department of Transportation and Public Works" and wherever the term "code" appears it shall mean the National Electrical Code 2014, as adopted herein with the additions, deletions and changes as prescribed in this Chapter.

**Sec. 7-52 Administration.**

Section 1102.080 of the St. Louis County Revised Ordinances ("SLCRO") 1974 as amended, relating to administration is hereby adopted and incorporated by reference as though fully set forth herein, and shall apply in full force within the City of Crestwood.

**Sec. 7-53 Amendments to the NEC-2014, Chapter 100.**

Chapter 1 – Article 100 of the 2014 National Electrical Code is hereby amended by the addition of the following provisions. When used in this code and in standards, rules and



regulations promulgated under authority of this code, the following words or phrases shall have the meanings ascribed to them in this section unless the context clearly requires otherwise.

*Interchangeability:* Words stated in the present tense include the future; gender based words are intended as neutral; the singular number includes the plural and the plural the singular.

*Terms Defined in Other Codes:* Where terms are not defined in this code and are defined in the building, mechanical, or plumbing codes adopted by St. Louis County in Chapters 1115, 1103, and 1108 SLCRO 1974 as amended, such terms shall have the meanings ascribed to them as in those codes.

*Article 100. Definitions*

(A) GENERAL

*Aid or Abet:* To help, assist, advance, facilitate or promote the acquisition of an electrical permit for work performed by an unlicensed individual not working as an employee under the direct supervision of a license holder in St. Louis County.

*Board of Appeals:* The five member panel created in Chapter 1115 SLCRO 1974 as amended which has authority to hear and decide appeals from decisions of the Code Official or the Board of Electrical Examiners pursuant to the provisions of this code.

*Building Commission:* The five member panel set forth in Article IV, Section 4.330 of the St. Louis County Charter.

*Code:* These regulations, subsequent amendments thereto, or any emergency rule or regulation which the administrative authority having jurisdiction has lawfully adopted.

*Code Official:* The Director of Transportation and Public Works or the Director's duly authorized representative who is vested with executive and administrative authority to enforce all laws ordinances and codes regulating construction, alteration, addition, repair, removal, demolition, use, location, occupancy and maintenance of all buildings and structures, electrical, plumbing, drainlaying and mechanical systems pursuant to Chapters 1100, 1115, 1102, 1103, 1104 and 1108 SLCRO 1974, as amended.

*Construction Documents:* All of the written, graphic and pictorial documents prepared or assembled for describing the design, location and physical characteristics of the elements of the project necessary for obtaining an electrical permit.

*Disaster:* A disaster shall include but not necessarily be limited to flood, windstorm, tornado, severe storm, earthquake, bomb blast, explosion or similar natural or man-made type event. The Code Official shall make the determination whether an event shall be declared a disaster.

*Emergency:* An event or occasion that requires immediate action in order to preserve or restore the public peace, health, safety or welfare.

*Employee:* A person who has been hired by a business entity licensed under this code, to perform work regulated by this code. The licensed business entity shall keep true and accurate payroll and other related records that are

required by law for a period of at least three years after such record was made.

A person is an “employee” if the person:

- Performs services for wages or salary for a business entity that submits IRS forms W-2, W-4 and I-9 for that person.
- May be disciplined or discharged by the business entity.
- Is directed by the business entity on what work to do, when to do it and in what sequence the work will occur.
- Performs services that are incorporated into the business entity’s operation and significantly affect the success of the business.
- Is required to undergo company-provided training.
- Uses the business entity’s tools, equipment, materials and work facilities.

All determinations with respect to whether a person is an “employee” or “full time employee” will be decided by the Code Official.

*Full time employee:* An employee of a business entity licensed under this code who performs tasks solely for this business entity during normal hours of operation of the business entity.

*Existing Work:* Any electrical system regulated by this code which was legally installed prior to the effective date of this code, or for which a permit to install has been issued.

*Grandfathering:* Approval of the continued use of an existing system or part of an electrical system that complies with the code requirements under which the system or part was installed including the requirements for licensure and permits contained within this code.

*Registered Design Professional:* An architect or engineer, registered or licensed to practice professional architecture or engineering pursuant to the professional registration laws of the state of Missouri.

*Structure:* That which is built or constructed or a portion thereof.

*Workmanlike Manner:* An electrical installation which complies with the published American National Standard “Good workmanship in Electrical Construction”.

#### **Sec. 7-54      Technical Amendments to the Requirements of the NEC-2014.**

The following sections of the 2014 National Electrical Code, adopted by St. Louis County and the City of Crestwood, are amended as herein identified and shall be part of the Electrical Code of St. Louis County/the Electrical Code of the City of Crestwood or deleted therefrom as indicated.

*Article 210.8 Ground-Fault Circuit-Interrupter Protection for Personnel.* Ground-fault circuit-interrupter protection for personnel shall be provided as required in 210.8(A) through (C). The ground-fault circuit-interrupter shall be installed in a readily accessible location.

*Informational Note:* See 215.9 for ground-fault circuit-interrupter protection for personnel on feeders.



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

(1) Bathrooms.

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

(3) Outdoors.

*Exception to (3): Receptacles that are not readily accessible and are supplied by a branch circuit dedicated to electric snow-melting, deicing, or pipeline and vessel heating equipment shall be permitted to be installed in accordance with 426.28 or 427.22, as applicable.*

(4) Crawl spaces- at or below grade level.

(5) Unfinished basements- for the purpose of this section, unfinished basements are defined as portions or areas of the basement not intended to be habitable rooms and limited to storage areas, work areas, and the like.

*Exception No. 1 to (2) and (5): A single receptacle or a duplex receptacle for two appliances located within dedicated space for each appliance that, in normal use, is not easily moved from one place to another and that is cord-and plug-connected in accordance with 400.7(A)(6), (A)(7) or (A)(8).*

*Exception No.2 to (5): A receptacle supplying only a permanently installed fire alarm or burglar alarm system shall not be required to have ground-fault circuit-interrupter protection.*

*Informational Note:* See 760.41(B) and 760.121(B) for power supply requirements for fire alarm systems.

Receptacles installed under the exception No. 2 to 210.8(A)(5) shall not be considered as meeting the requirements of 210.52(G).

(6) Kitchens-where the receptacles are installed to serve the counter top surfaces.

(7) Sinks-where receptacles are installed within 1.8m (6 ft.) of the outside edge of the sink.

(8) Boathouses.

(9) Bathtubs or shower stalls-where receptacles are installed within 1.8m (6 ft.) of the outside edge of the bathtub or shower stall.

(10) Laundry areas with a sink.

**210.12 Arc-Fault Circuit-Interrupter Protection.** Arc-fault circuit-interrupter protection shall be provided as required in 210.12(A), (B) and (C). The arc-fault circuit-interrupter shall be installed in a readily accessible location.

- (A) *Dwelling Units.* All 120 volt, single phase, 15- and 20- ampere branch circuits supplying outlets or devices installed in bedrooms shall be protected by any of the means described in 210.12(A)(1) through (6):

(1) A listed combination-type arc-fault circuit-interrupter, installed to provide protection of the entire branch circuit.

(2) A listed branch/feeder-type arc-fault circuit-interrupter installed at the origin of the branch circuit in combination with a listed outlet

branch circuit type arc-fault circuit-interrupter installed at the first outlet box on the branch circuit. The first outlet box in the branch circuit shall be marked to indicate that it is the first outlet of the circuit.

- (3) A listed supplemental arc protection circuit breaker installed at the origin of the branch circuit in combination with a listed outlet branch circuit type arc-fault circuit-interrupter installed at the first outlet box on the branch circuit where all of the following conditions are met:
  - a. The branch circuit wiring shall be continuous from the branch circuit overcurrent device to the outlet branch circuit arc-fault circuit-interrupter.
  - b. The maximum length of the branch circuit wiring from the branch circuit overcurrent device to the first outlet shall not exceed 15.2 m (50 ft.) for a 14 AWG conductor or 21.3 m (70 ft.) for a 12 AWG conductor.
  - c. The first outlet box in the branch circuit shall be marked to indicate that it is the first outlet of the circuit.
- (4) A listed outlet branch circuit type arc-fault circuit-interrupter installed at the first outlet on the branch circuit in combination with a listed branch circuit overcurrent protective device where all of the following conditions are met:
  - a. The branch circuit wiring shall be continuous from the branch circuit overcurrent device to the outlet branch circuit arc-fault circuit-interrupter.
  - b. The maximum length of the branch circuit wiring from the branch circuit overcurrent device to the first outlet shall not exceed 15.2 m (50 ft.) for a 14 AWG conductor or 21.3 m (70 ft.) for a 12 AWG conductor.
  - c. The first outlet box in the branch circuit shall be marked to indicate that it is the first outlet of the circuit.
  - d. The combination of the branch circuit overcurrent device and outlet branch circuit arc-fault circuit-interrupter shall be identified as meeting the requirements for a system combination-type arc-fault circuit-interrupter and shall be listed as such.
- (5) If RMC, IMC, EMT, type MC, or steel-armored type AC cables meeting the requirements of 250.118, metal wireways, metal auxiliary gutters, and metal outlet and junction boxes are installed for the portion of the branch circuit between the branch circuit overcurrent device and the first outlet, it shall be permitted to install a listed outlet branch circuit type AFCI at the first outlet to provide protection for the remaining portion of the branch circuit.
- (6) Where a listed metal or non-metallic conduit or tubing or type MC cable is encased in not less than 50mm (2 in.) of concrete for the portion of the branch circuit between the branch circuit overcurrent



device and the first outlet, it shall be permitted to install a listed outlet branch circuit type AFCI at the first outlet to provide protection for the remaining portion of the branch circuit.

*Exception: Where an individual branch circuit to a fire alarm system installed in accordance with 760.41(B) or 760.121(B) is installed in RMC, IMC, EMT, or steel sheathed cable, type AC or type MC, meeting the requirements of 250.118, with metal outlet and junction boxes, AFCI protection shall be permitted to be omitted.*

*Informational Note No. 1: For information on combination-type and branch/feeder-type arc-fault circuit-interrupters, see UL 1699-2011, Standard for Arc-Fault Circuit-Interrupters. For information on outlet branch circuit type arc-fault circuit-interrupters, see UL Subject 1699A, Outline of Investigation for Outlet Branch Circuit Arc-Fault Circuit-Interrupters. For information on system combination AFCIs, see UL Subject 1699C, Outline of Investigation for System Combination Arc-Fault Circuit-Interrupters.*

*Informational Note No. 2: See 29.6.3(5) of NFPA 72-2013 National Fire Alarm and Signaling Code, for information related to secondary power-supply requirements for smoke alarms in dwelling units.*

*Informational Note No. 3: See 760.41(B) and 760.121(B) for power-supply requirements for fire alarm systems.*

**210.12(B) Branch Circuit Extensions or Modifications-Dwelling Units.** In any of the areas specified in 210.12(A), where branch circuit wiring is modified, replaced or extended, the branch circuit shall be protected by one of the following:

- (1) A listed combination-type AFCI located at the origin of the branch circuit.
- (2) A listed outlet branch circuit type AFCI located at the first receptacle outlet of the existing branch circuit.

*Exception: AFCI protection shall not be required where the extension of the existing conductors is not more than 9.5m (30 ft.) and does not include any additional outlets or devices.*

**210.12(C) Dormitory Units.** All 120-volt, single phase, 15- and 20-ampere branch circuits supplying outlets installed in dormitory unit bedrooms, living rooms, hallways, closets, and similar rooms shall be protected by a listed arc-fault circuit interrupter meeting the requirements of 210.12(A)(1) through (6) as appropriate.

**406.12 Tamper Resistant Receptacles.** Tamper resistant receptacles shall be installed as specified in 406.12(A) and (B).

- (A) *Guest Rooms and Guest Suites of Hotels and Motels.* All nonlocking-type 125 volt, 15- and 20- ampere receptacles located in guest rooms and guest suites of hotels and motels shall be listed tamper-resistant receptacles.
- (B) *Child Care Facilities.* In all child care facilities, all nonlocking-type 125 volt 15- and 20- ampere receptacles shall be listed tamper-resistant receptacles.

*Exception to (A) and (B): Receptacles in the following locations shall not be required to be tamper resistant:*

- (1) Receptacles that are more than 1.7m (5 ½ ft.) above the floor.



- (2) Receptacles that are part of a luminaire or appliance.
- (3) A single receptacle or a duplex receptacle for two appliances located within dedicated space for each appliance that, in normal use, is not easily moved from one place to another and that is cord and plug-connected in accordance with 400.7(A)(6), (A)(7), or (A)(8).
- (4) Nongrounding receptacles used for replacements as permitted in 406.4(D)(2)(a).

**Sec. 7-55 Electrical Permit and Other Fees.**

The fees for electrical and communications permits and inspections pursuant to this code shall be charged at the rate specified in Chapter 1100, of the St. Louis County Revised Ordinances (SLCRO) 1974 as amended.

**Sec. 7-56 License Fees and Administration.**

Section 1102.200 of the St. Louis County Revised Ordinances (SLCRO) 1974 as amended, relating to License fees and administration is hereby adopted and incorporated by reference as though fully set forth herein, and shall apply in full force within the City of Crestwood.

**Sec. 7-57 Violations and Penalties.**


In addition to any other penalties provided by law, any person, firm or corporation who shall violate any provision of this Chapter, or who shall fail to comply with any of the requirements thereof, or who shall erect, construct, alter or repair a structure in violation of an approved plan or directive of the Code Official, or of a permit or certificate issued under the provisions of this Chapter, or shall start any work requiring a permit without first obtaining a permit therefore, or any other person who commits, takes part, or assists in any violation of this Electrical Code or who maintains any building or premises in which a violation exists may, upon conviction, be punished in accordance with Sec. 1-6 of this Code by a fine of not more than one thousand dollars (\$1,000.00) or imprisonment not to exceed ninety (90) days, or both such fine and imprisonment. Each day that a violation continues shall be deemed a separate offense.

SECTION 3: It is hereby declared to be the intention of the Board of Aldermen that the sections, paragraphs, sentences, clauses and phrases of this Ordinance hereby adopted, are severable, and if any phrase, clause, sentence, paragraph or section of this Ordinance shall be declared unconstitutional or otherwise invalid by the valid judgment or decree of a court of competent jurisdiction, such unconstitutionality or invalidity shall not affect any of the remaining phrases, clauses, sentences, paragraphs and sections of this Ordinance.

SECTION 4: All Ordinances or parts of Ordinances in conflict with this Ordinance are hereby repealed.

SECTION 5: This Ordinance shall be in full force and effect from and after its passage by the Board of Aldermen and its approval of the Mayor.

PASSED AND SIGNED this 14th day of January, 2020.

\_\_\_\_\_  
Mayor 

ATTEST:  
\_\_\_\_\_  
City Clerk 

APPROVED this 14th day of January, 2020.

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Mayor 