

BILL NO. 2017-44

SPONSORED BY COUNCILMAN Prather

ORDINANCE NO. 15703

AN ORDINANCE OF THE CITY OF JEFFERSON, MISSOURI, AMENDING THE CITY CODE, CHAPTER 8, SECTION 8-2 AND SECTION 8-3 BY REPLACING THE ADOPTION OF THE NATIONAL ELECTRICAL CODE 2011 AND AMENDMENTS TO THE NATIONAL ELECTRICAL CODE 2011 BY THE ADOPTION OF THE NATIONAL ELECTRICAL CODE 2014.

NOW, THEREFORE, BE IT ENACTED BY THE COUNCIL OF THE CITY OF JEFFERSON, MISSOURI, AS FOLLOWS:

Section 1. The Code of the City of Jefferson, Chapter 8 (Buildings and Building Regulations), Section 8-2. (Adoption of National Electrical Code 2011), is hereby deleted and the following is added in lieu thereof:

Sec. 8-2. Adoption of National Electrical Code 2014

The National Electrical Code, 2014, published by the National Fire Protection Association, including Informative Annex H "Administration and Enforcement," is hereby adopted and incorporated herein by reference, as the Electrical Code of the City of Jefferson., with the additions, insertions, deletions and changes contained within this Chapter.

(Ord. No. 10671, § 18, 6-16-86; Ord. No. 11245, § 1, 6-19-89; Ord. No. 11579, § 18, 5-20-91; Ord. No. 12751, § 2, 5-18-98; Ord. 13579, §1, 7-21-2003; Ord. 14107, §1, 10-16-2006; Ord. 14485, §1, 3-2-2009)

Cross reference - Ordinances not affected by Code generally, § 1-3.

Section 2. The Code of the City of Jefferson, Chapter 8 (Buildings and Building Regulations), Section 8-3 (Amendments to National Electrical Code 2011), is hereby deleted and the following is added in lieu thereof:

Sec. 8-3. Amendments to National Electrical Code 2014

The following additions, insertions, deletions and changes are made to the National Fire Protection Association (NFPA) 70, National Electrical Code 2014, including Informative Annex H "Administration and Enforcement," otherwise referred to herein as the Electrical Code of the City of Jefferson:

Delete Section 210.12, ARC Fault Circuit Interrupter Protection: in its entirety.

Delete Sections 80.15 thru 80.35 and insert in its place the following:

80.15. Board of Electrical Examiners and Review - Division 1 of Article XII, Chapter 7, establishes a board of electrical examiners and review with attendant duties and powers. Whenever

reference is made to the "Board" in Section 8-3 of Chapter 8 of the Code of the City of Jefferson, Missouri, reference is to the Board of Electrical Examiners and Review.

(Ord. No. 11905, § 9, 5-17-93; Ord. 14485, §2, 3-2-2009)

80.16. Duties of the Board - The Board shall act on grievances by an applicant for an electrical permit, the holder of an electrical permit, or the owner and/or agent of a building or structure wherein electrical work is to be installed. Such referral shall be an appeal from the decision of the Electrical Inspector, or his or her authorized agent or representative, refusing to grant a modification of provisions of the Electrical Code governing the installation or materials to be used by the installation. Application for appeal will be received by the Director of Planning and Protective Services of the City of Jefferson, or his or her authorized representative, when it is alleged that:

1. The true intent of the Electrical Code or the rules adopted thereunder has been incorrectly interpreted.
2. The provisions of the Electrical Code do not fully apply.

At such time as the Board meets to act on such an appeal, if one of the members of said Board has a financial or material interest in the appeal, that member shall not have a vote. A simple majority of those members voting shall constitute a qualified decision. In the event the voting members of the Board are evenly divided, the decision of the Electrical Inspector shall be affirmed.

The Board may review the Electrical Code and shall transmit to the City Council any and all recommendations and/or changes that are necessary to update the Electrical Code.

80.17. Meetings of the Board - The Board shall meet at such intervals as may be necessary for the proper performance of its duties, and upon call of the Board Chair, but in any case not less than twice a year. Minutes of all meetings will be kept on file and submitted to the City Council.

80.18. Electrical Inspector - The administration and enforcement of the Electrical Code shall be the responsibility of the Director of Planning and Protective Services or his or her designated representative, the Electrical Inspector, who is hereby authorized to take such action as may be necessary to enforce this section.

80.19. Qualifications of Electrical Inspector - The Electrical Inspector shall be of good moral character and be physically able to carry out all of the provisions of the Electrical Code. The Electrical Inspector shall have 4,000 or more hours experience as a journeyman in the trade. The Electrical Inspector shall be a certified journeyman electrician, but shall not be actively engaged in the electrical business or associated with any person, firm or corporation engaged in the electrical business. The Electrical Inspector shall obtain a master electrician license and all applicable International Code Council electrical certificates within two (2) years of being appointed by the City Administrator.

80.20. Appointment of the Electrical Inspector. The Electrical Inspector shall be appointed by the City Administrator.

80.21. Duties of the Electrical Inspector. It shall be the duty of the Electrical Inspector to enforce the provisions of the Electrical Code and to make all inspections that are required thereunder, and to issue all permits, collect all fees and keep all records required under this section. The Electrical Inspector shall also have the duty to perform all tasks and services delegated to him by other City Code sections, the Mayor, or other supervisory personnel.

80.22. The Electrical Inspector shall issue permits for the performance of electrical work. Applications for such permits, describing the work to be done, shall be made by the person firm or

corporation to perform the work on such forms as may be prescribed or approved by the Electrical Inspector. Permits must be taken out before any work is stated. If additional permits are required, they must be applied for before final inspection is made.

80.22.1. Inspections; The Electrical Inspector shall have the right, during all reasonable hours in which work is being performed under a permit, to enter any building in the discharge of his or her duties or for the purpose of making an inspection or test new installations of electrical wiring, devices or materials contained therein.

80.22.2. Disconnection; The Electrical Inspector shall have the authority to cause all electrical current to be turned off and may cut or disconnect, in case emergency, any wires where such electrical current is dangerous to life or property or where said wires may interfere with the work of the fire department.

80.22.3. Certificates of Inspection and Approval; Upon the completion of the installation of the wiring and/ or electrical equipment for which a permit is required, it shall be the duty of the person, firm or corporation installing the same to notify the Electrical Inspector who shall inspect the installation within twenty-four (24) hours of the time such notice is given (exclusive of Saturdays, Sundays and holidays), and if it is found to be fully in compliance with this code and if it does not constitute a hazard to life and property, then upon payment of the proper fees as hereafter designated, the Electrical Inspector shall issue to such person, or firm or corporation for delivery to the owner of the premises a Certificate of Inspection and Approval that authorizes connection to the electrical service and turning on the current. When any part of a wiring installation is to be hidden from view by the permanent placement of parts of the building, the person, firm or corporation installing the wire shall notify the Electrical Inspector and such part of the wiring installation shall not be concealed until it has been inspected and approved by the Electrical Inspector or until twenty four (24) hours (exclusive of Saturdays, Sundays and holidays) shall have elapsed from time of such notification, providing that on large installations where the concealment of parts of the installation proceeds continuously, the person, firm or corporation installing the wiring shall give the electrical Inspector due notice and inspection shall be made during the progress of the work.

80.22.4. Commercial Buildings Change of Occupancy, Procedure; The Electrical Inspector shall make a thorough inspection or re-inspection of the installation of any commercial building where a change of occupancy takes place, of all electrical wiring, devices, and/ or materials and issue a Certificate of Inspection and Approval to the new occupant(s) authorizing connection to the electrical service and turning on of the current. When the installation of any such wiring, devices, and or materials is found to be unsafe or dangerous condition, the person, firm or corporation using or operating the same shall be notified and shall make necessary repairs or changes required to place such wiring, devices, and or materials in a safe condition and they shall have such work completed with-in fifteen (15) days or any longer period that may be prescribed in the notice of the Electrical Inspector. The Inspector is hereby empowered to disconnect or order the discontinuance of electrical service to such wiring, devices, and/ or materials until the installation of such wiring, devices and/ or materials has been made safe as directed by the Electrical Inspector.

80.22.5. Records; The Electrical Inspector shall keep complete records of all permits issued and inspections made and other official work performed under the terms of this section. Notices of violations shall:

- a. Be put in writing;
- b. Include a statement of the reasons why it is being issued.
- c. Allow a reasonable (specified) period of time for the performance of any act it requires.
- d. Be served upon the owner, or the owner's agent, or the occupant, as the case may require; provided that such notice shall be deemed to be properly served upon such owner or agent

or upon such occupant if a copy thereof is served personally; or if a copy thereof is sent by registered mail to the last known address; or if a copy thereof is posted in a conspicuous place in or about the structure affected by the notice.

- e. Such notice may contain an outline of remedial action provisions of this code along with rules and regulations adopted pursuant thereto.

80.22.6 Fees; The Electrical Inspector shall collect such fees for licenses, permits, certificates and inspection as may be prescribed by this Chapter.

80.23. Licenses; No person, firm or corporation shall engage in the business of electrical work in the City of Jefferson unless licensed as an electrical contractor. The business of electrical work shall mean the supplying of labor and materials for the installation, alteration or repair of electrical systems.

80.23.1. Exemptions; No license or permit is required for the performance of the following dwelling unit electrical work:

- a. Receptacle replacement (110 volt only).
- b. Single pole switch replacement
- c. Garbage disposals (plug in only)
- d. Light fixtures (110 volt only)
- e. Ceiling fan replacement
- f. Furnace motor replacement
- g. Water heating element (electrical) replacement
- h. Smoke detector replacement
- i. Stove element replacement

(Ord. No. 12810, §1, 9-8-98; Ord. 14485, §2, 3-2-2009)

80.24. The Board shall be empowered to approve applicants for the following licenses.

- a. Electrical Contractor
- b. Master Electrician
- c. Journeyman Electrician
- d. Maintenance Electrician

80.25. A license shall be issued to approve applicants who meet the following requirements and pay the prescribed fee. All examinations require a minimum passing score of 75%.

80.25.1. Electrical Contractor

- a. Submit application to the Electrical Inspector stating name, address, telephone number and business name.
- b. Applicant must be a licensed Jefferson City master electrician.

80.25.2. Master Electrician (type A)

- a. Submit application to the Electrical Inspector stating name, address and telephone number
- b. Provide documentation of 4,000 hours of active employment as a journeyman electrician or

be registered with the State of Missouri as a professional engineer or architect and be actively engaged in the business of electrical contracting. All documentation of hours must be under the letter head of the electrical contractor(s) that the applicant worked for as a journeyman electrician.

- c. Provide record of 8,000 hours as an apprentice electrician. All documentation must be submitted under the letter head of the electrical contractor(s) under which the applicant worked as an apprentice electrician.
- d. Successfully complete examination required by the Board of Electrical Examiners. An applicant must provide proof that they meet the above requirements prior to taking the examination.

80.25.3. Journeyman Electrician (type B)

- a. Submit application to the Electrical Inspector stating name, address and telephone number.
- b. Provide documentation of 8,000 hours of employment as an apprentice electrician. All documentation must be under letter head of the electrical contractor(s) that the applicant worked for as an apprentice electrician. Successful completion of an electrical course at a trade school may be considered for credit towards the 8,000 hour requirement.
- c. Successfully complete examination required by the Board of Electrical Examiners. An applicant must provide documentation that they met the above requirements prior to taking the examination.

80.25.4. Apprentice Electrician; Submit application stating name, address and phone number, and name of contractor where they are currently employed.

80.25.5. Maintenance Electrician: (type D)

- a. Submit application stating, name, address and phone number.
- b. Successfully complete examination required by the Board of Electrical Examiners.

80.26. Scope of Work Authorized:

80.26.1. Electrical Contractor shall be authorized to engage in the business of supplying material and labor for the installation, alteration or repair of electrical systems.

80.26.2 Master Electrician shall be authorized to do all types of electrical work as an electrical contractor or while employed by an electrical contractor licensed by the City of Jefferson. A Master Electrician who also holds one or more additional trade licenses with the City of Jefferson may supervise no more than two (2) apprentices in any one (1) trade at any one (1) permitted job site.

80.26.3 Journeyman Electrician shall be authorized to do all types of electrical work while employed by an electrical contractor licensed by the City of Jefferson. A Journeyman Electrician who also holds one or more additional trade licenses with the City of Jefferson may supervise no more than two (2) apprentices in any one (1) trade at any one (1) permitted job site.

80.26.4 Apprentice Electrician shall be authorized to do electrical work while employed by an electrical contractor and under the direct supervision of a licensed journeyman. The ratio of apprentice to journeyman shall be two (2) apprentices to one (1) journeyman. Apprentices may only obtain one (1) trade license per calendar year. (Ord. No. 15128, §1, 6-17-2013)

80.26.5 Maintenance Electrician shall be qualified to maintain industrial electrical installations. Any maintenance shall be confined to the repair and relocation of existing branch circuits, fixture, apparatus or equipment connected to hereto, and shall be confined to premises or building owned, occupied or otherwise controlled by the industrial firm. The maintenance electrician shall not be

authorized to install, alter, or replace service equipment or feeder to any service equipment.

80.27. Fees for License

80.27.1 Electrical Contractor: A fee as stated in Appendix Y per calendar year, (January 1 thru December 31). The fee shall not be pro-rated.

80.27.2 Master Electrician: A fee as stated in Appendix Y. The license is permanent unless revoked for just cause by the Board of Electrical Examiners.

80.27.3 Journeyman Electrician: A fee as stated in Appendix Y. The license is permanent unless revoked for just cause by the Board of Electrical Examiners.

80.27.4 Apprentice Electrician: A fee as stated in Appendix Y per calendar year (January 1 thru December 31). The fee shall not be pro-rated.

80.27.5 Maintenance Electrician: A fee as stated in Appendix Y. The license is permanent unless revoked for just cause by the Board of Electrical Examiners.

80.28 Electrical Sign Work: All electrical work related to the installation of signs shall be performed by a licensed electrician with the exception of electrical wiring that is an integral part of the construction of the sign.

80.29 Licenses, Suspension or Revocation. The Board may suspend or revoke the license of any apprentice, journeyman, maintenance, or contractor electrician when charges are made against them by the Electrical Inspector, and the Board finds that the person charged is incompetent or had willfully violated the provisions of this code. Before any action is taken by the Board, the person charged shall be given at least ten (10) days' notice of the time and place of a formal hearing on said charges and the person charged shall be apprised of the nature of the charges. The person charged shall be given the opportunity to appear, in person or with an attorney of his or her choice, in order that they be heard, and they shall have the burden of showing cause why the license should not be suspended or revoked. The Board shall render its decision within a reasonable time after the hearing. The decision shall be final. No appeal shall be allowed therefrom. The decision of the Board may permit the person charged to continue their trade and dismiss the charge; or the Board may suspend the license of the person charged for such period as the Board deems proper under all of the facts and circumstances; or the Board may permanently revoke the license of the person charged. A person whose license has been revoked by the Board shall not be permitted to re-apply for a license for a period of one (1) year, and must successfully pass any required examination for the license.

80.30. Non-Assignment of License - No person who has obtained an electrician's license shall allow his or her name to be used by another person either for the purpose of obtaining permits, or for doing business or work under the license.

80.31. Permits

80.31.1. A permit shall be required in each of the following cases:

- 1. For all electrical wiring in structures not previously wired;**
- 2. For all rewiring where additional circuits from the panel are required and/or the service entrance panel is being replaced (this shall not include the replacement of individual outlets or switches);**
- 3. For all extensions of or additions to existing wiring for supplying power loads such as furnaces, air conditioners and laundry appliances;**

4. For connecting hot air, hot water, steam or electrical heating plants whether new or old installations; and,
5. For installation and additions to sound, audio/visual and/or communication equipment.

80.31.2. No permit shall be issued until an application is filed in writing with the Electrical Inspector and fees have been paid. Information supplied in the application shall include the following.

1. Location of work to be done:
2. Name and address of property owner:
3. Name and address of person or firm in charge of the work:
4. A brief description of the work to be done:
5. Capacity (amperes) of the entrance panel to be installed (if any);
6. Number of circuits to be installed;
7. KW rating of all appliances and furnaces and the square footage of the residence;
8. New one and two family residential units must have a complete load calculations with services sized to allow for 10 % spare capacity;
9. All new commercial and multifamily units must have complete electrical plans including service riser with load calculations and circuitry designations. Where required by State law, plans must be sealed by a licensed design professional registered in the State of Missouri.

80.32. Homeowner Permits: A permit may be issued to a qualified person (qualification shall be determined by a test of basic knowledge of electrical principles) to do work in a single family dwelling used exclusively for their living purposes, including the usual accessory buildings and quarters in connection with such buildings, provided that the person is a bona fide owner of such dwelling and shall occupy said dwelling for one (1) calendar year after date of approved final inspection of work covered by the permit. Owner shall personally purchase all materials and perform all labor in connection therewith, and that the applicant shall file an affidavit certifying that these conditions are correct before the issuance of the permit. Work performed under any permit shall be subject to all applicable regulatory provisions of this code.

80.33. Permit Fee Schedule: The fees for building construction permits shall be set in Chapter 8, Appendix Y of the City Code.

80.34. Penalty Clause.

Fee for penalty for failure to obtain a building permit.

Where work for which a permit is required by this Code is started prior to obtaining said permit, the fees specified in Appendix Y of the Code of the City of Jefferson shall be doubled. Should any person, firm or corporation commit a second offense by starting work without permit after so doing on a previous occasion, he shall pay three times the customary fee in order to obtain the necessary permit. Any offense shall subject the offender to prosecution under section 80.34.1. In the event any person firm or corporation fails to obtain the necessary permit(s) within 5 days after being notified in writing to do so by the building official, he shall pay in addition to the usual fee or increased penalty as provided above the sum of \$25.00 for each day in excess of the aforesaid 5 days that transpire prior to his or her obtaining the necessary permit. The payment of any or several of the above stated penalty fees shall not relieve any person, firm or corporation from fully complying

with the requirements of this code in the execution of the work nor from any other penalties prescribed herein, or in the City Code.

80.34.1 Violation Penalties

Any person who shall violate a provision of this Code or shall fail to comply with any of the requirements thereof or who shall erect, construct, alter or repair a building or structure in violation of an approved plan or directive of the building official, or of a permit or certificate issued under the provisions of this code, shall be punished by a fine as set forth in Section 1-13 of the City Code. Each day that a violation continues shall be deemed a separate offense.

80.35. Standards of Work; No Certificate of Inspection and Approval shall be issued unless the electric light, power and heating installations are in strict conformity with the provisions of this code and unless they are in conformity with the approved methods of construction for safety to life and property and unless the proper fees are paid as herein designated. The regulations as laid down in the Electrical Code shall apply to installations made under the provisions of this code.

80.36. Disapproval of Work, Procedure; When the Electrical Inspector shall reject all or part of any electrical installation, the owner thereof may, within five (5) days after receipt of written notice thereof from the Electrical Inspector, file a petition in writing for a review of said action with the Board upon receipt of which and after giving notice to all of the interested parties, the Board shall proceed to determine at a hearing at which all interested parties may be present in person and with an attorney, if the said electrical installation does comply with the provisions of this code. The Board shall render its decision in writing within three (3) days. Said decision shall be final and unappealable. When the action or decision of the Electrical Inspector is being reviewed and in the event the members of the Board are evenly divided on the issue before them, the decision of the Inspector shall be deemed affirmed. If, upon final inspection, the installation is not found to be fully in compliance with this code, the Electrical Inspector shall at once forward to the person, firm or corporation installing the wiring a written notice stating the defects which have been found to exist. Upon bringing the installation into compliance, the grantee of the permit shall notify the Electrical Inspector.

80.37. Disclaimer Clause - This code shall not be construed to relieve from or lessen the responsibility or liability of any party owning, operating, controlling or installing any electrical wiring and electrical systems for damage caused by any defect therein. Nor shall the City of Jefferson, or any of its inspectors, agents, or employees, including its Electrical Inspector, be held as assuming any such liability by reason of the inspection authorized herein or certificate of approval issued as herein provided.

80.38. Validity - The City Council hereby declares that, should any section, paragraph, sentence, or word of this section or of the code hereby adopted be declared for any reason to be invalid, it is the intent of the City Council that it would have passed all other portions of this section independent of the elimination here from of any such portion as may be declared invalid.

(Ord. No. 11245, § 2, 6-19-89; Ord. No. 11579, §§ 1-15, 5-20-91; Ord. No. 12751, § 3, 5-18-98; Ord. No. 13007, §1, 12-20-99; Ord. 13579, §2, 7-21-2003; Ord. 14107, §1, 10-16-2006; Ord. 14485, §2, 3-2-2009; Ord. No. 15486, §1, 2-1-2016)

Section 3. This Ordinance shall be in full force and effect from 60 (sixty) calendar days after the date of its passage and approval.

Passed: Aug. 21, 2017

Carrie Tergin
Presiding Officer

Approved: Aug. 22, 2017

Carrie Tergin
Mayor Carrie Tergin

ATTEST:

Phyllis Powell
City Clerk

APPROVED AS TO FORM:

[Signature]
City Counselor