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NATRONA COUNTY COMMISSIONERS  
NATRONA COUNTY CLERK

A RESOLUTION ADOPTING THE NATIONAL ELECTRICAL CODE, 2020 EDITION AS MODIFIED; PROVIDING PENALTIES FOR VIOLATIONS; SETTING FEES; AND REPEALING THE ELECTRICAL CODE OF NATRONA COUNTY, WYOMING ADOPTED NOVEMBER 8, 2018 AND ANY OTHER PORTION OF A RESOLUTION IN CONFLICT WITH THIS RESOLUTION.

WHEREAS, pursuant to Wyoming Statutes §§ 18-5-201, et seq. and 35-9-101 through 35-9-121.1, the Natrona County Board of County Commissioners ("BOCC") has authority to enact regulations to promote the public health, safety, morals, and general welfare of the county; and

WHEREAS, the BOCC wants to enact regulations governing the installation, alteration, and repair of electrical systems and abatement of defective and Unsafe Electrical Wiring within the unincorporated area of Natrona County;

WHEREFORE, the BOCC resolves as follows:

**Section 1. Short Title.**

The short title for the code adopted by this Resolution is "2020 Electrical Code of Natrona County" and, herein, also may be referred to as "this Code".

**Section 2. NFPA 70, National Electrical Code, 2020 Edition.**

The BOCC adopts the NFPA 70, National Electrical Code, of the National Fire Protection Association; 2020 Edition (the "NEC") as modified herein. If a modification conflicts with another provision of the NEC, the modification controls.

**Section 3. Modifications.**

NEC is modified by adding, deleting, and/or otherwise amending the respective chapter, article, section and subsection as follows.

**a. NEC Article 100 Definitions, Part I General is amended by adding the following definitions:**

Electrical Wiring. Electrical wire, wiring apparatus, electrical equipment, appliances, fixtures, and/or utilization equipment on a building, property, or portable sign for electric light, heat, and/or power including, but not limited to, burglar alarms, electric bells, electric signal and communication systems, electrical utilization equipment of any kind, fire alarms, fixtures, heaters, lighting, and telegraph messenger call systems and other materials, equipment, and devices subject to the NEC; "Electrical Wiring" excludes portable appliances and utilization equipment capable of being readily moved by detaching the utilization equipment's flexible cord and attachment plug from its current source.

Electrical Work. Planning, laying out, installing, altering, repairing, and/or otherwise interfering with Electrical Wiring; "Electrical Work" excludes the design of wiring, apparatus, and equipment installation.

Unsafe Electrical Wiring. Electrical wiring which due to improper installation, inadequate maintenance, damage, obsolescence, and/or abandonment endangers the health, safety, and/or welfare of a person(s).

**Service Mast.** A raceway that serves as a point of attachment and support for overhead service conductors or a service drop.

**b. NEC Chapter 1 General is amended by adding the following article:**

ARTICLE 105 Administration

105.1. Electrical Work Permit. Prior to performing Electrical Work, except as otherwise provided in this Code, an Electrical Work Permit ("Permit") must be obtained from the Natrona County Development Department ("Department"). If Electrical Work is performed without obtaining a Permit, Owner of the property must pay twice the amount of the initial Permit fee to obtain a Permit.

(A) Permit Application. To apply for a Permit, the following must be submitted to Department: (1) a completed Permit application and (2) the Permit fee.

(B) Plans and Specifications. Plans and/or Specifications sufficient for the Electrical Work must be submitted. Professionally designed Plans must be by a Wyoming licensed electrical engineer.

(C) Permit Limitations.

(1) After a Permit is issued, if Electrical Work covered by the Permit has not commenced within 180 of the issue date, the Permit is void unless Inspector grants an extension. The Permit holder must request such an extension in writing submitted to Department within 30 days of the expiration of the initial Permit.

(2) After a Permit is issued, the permitted Electrical Work must not change unless Inspector approves a change in writing.

**(D) Routine Maintenance.** A Permit is not required for an Owner to perform routine maintenance to keep Electrical Wiring on her/his property in a condition such that Electrical Wiring may continue to be utilized at its original or designated capacity and efficiency.

**(E) Permit Fees.** Exhibit A of this Resolution provides the Permit Fee Schedule and Tables.

(1) A Permit fee includes: (a) the application fee; (b) ancillary fee(s); and (c) Electrical Work value based fee(s).

(2) Inspector determines Electrical Work value by: (a) using Electrical Work amount from a bid or contract for Electrical Work or (b) using their best judgement to estimate the value of the Electrical Work. Tools may include valuations per square foot of construction or valuations based on similar projects.

**105.2. License Required.** Each person performing Electrical Work must have a current license appropriate for Electrical Work he/she will perform unless otherwise exempt.

**(A) Residential Property Owner Exemption.** If a residential property is used solely as Owner's primary residence, Owner is not required to have a license to perform Electrical Work herself/himself on that property.

(1) Permit Required. Owner must still obtain a Permit prior to performing Electrical Work on her/his primary residential property and otherwise comply with this Code.

(2) Accessory Structure. An accessory structure on Owner's primary residential property is also exempt unless the accessory structure is (a) a public place, (b) a place of worship, (c) a place of business, and/or (d) rented or offered to rent to a third party.

(3) Non-Owner. Only Owner may perform Electrical Work on her/his primary residential property without a license; all others must have a current appropriate license to perform Electrical Work.

**(B) Other Exemptions.** An entity is not required to have any type of electrical license to perform Electrical Work itself on the following types of property owned by the entity: (a) Oilfield operation, railroad, petroleum refinery, mine, and appurtenant facility; (b) Gas, electric, and communication facility functioning as a public utility; and (c) Cable television, radio station, television station, and other media services.

(1) Not Included. Exemptions do not include: (a) Electrical Work for the entity's business office or a structure provided for rest and/or recreation or (b) A Contractor or subcontractor performing Electrical Work that would be exempt if performed by the entity itself.

(2) Permit Not Required. An entity is not required to obtain a Permit to perform exempted Electrical Work. However, an entity is required to otherwise comply with this Code.

**105.3. Inspector.** The Natrona County Electrical Inspector and her/his designee(s) ("Inspector") are authorized to interpret, administer, and enforce this Code.

**(A) Qualifications.** Inspector must be a competent electrician, have at least four years of experience as a wireman or Electrical Contractor, and obtain inspector certification from International Code Council or another competent authority. Inspector must not engage in Electrical Work nor have any financial interest in any entity that engages in Electrical Work in Natrona County.

**(B) Appointment and Supervision.** Department Building Official appoints and supervises Inspector.

**(C) Authority.**

(1) Inspector may establish procedures and propose policies and rules to assist administering and enforcing this Code.

(2) Inspector may inspect Electrical Work for compliance with applicable law, resolutions, and other codes; fire prevention; and prevention of injury to persons and property.

(3) Inspector may reasonably enter property (a) to inspect Electrical Wiring and Electrical Work, (b) to enforce this Code, and (c) when he/she has reasonable cause to believe that Unsafe Electrical Wiring is on the property.

(4) Inspector may issue Permits.

(5) Inspector may suspend or revoke a Permit if (a) the Permit was issued in error, (b) the Permit application contained incomplete and/or incorrect information, (c) Electrical Work is being performed in an unsafe manner, and/or (d) Electrical Work is creating Unsafe Electrical Wiring.

(6) If strict compliance with this Resolution is not feasible due to unique circumstances not caused by Electrical Contractor's own action, Inspector may allow Electrical Contractor to modify a portion of Electrical work as long as the modification comports with the public health, safety, morals, and general welfare requirements of this Resolution. If Inspector allows a modification, he/she must document the modification and reason(s) for the modification and retain the documentation in Department files.

(7) In case of emergency, to mitigate danger to life and/or property and/or to prevent interference with emergency operations, Inspector may direct the entity providing electrical current to stop providing electrical current to the property, and the entity must promptly comply.

(8) Inspector may declare that a property has Unsafe Electrical Wiring and is a Public Nuisance. If after notice, the Unsafe Electrical Wiring is not promptly abated, Inspector may direct the entity providing electrical current to stop providing electrical current to the property, and the entity must promptly comply.

(9) Inspector may declare that a property has defective Electrical Wiring. If after notice, the defective Electrical Wiring is not promptly abated, Inspector may direct the entity providing electrical current to stop providing electrical current to the property, and the entity must promptly comply.

**(D) Duties.**

(1) Inspector must inspect Electrical Wiring in accordance with this Code.

(a) Within 48 hours of receiving a request to inspect Electrical Work, or as soon thereafter as is feasible, Inspector will inspect Electrical Work.

(b) Within 24 hours of identifying interference or as soon thereafter as is feasible, Inspector will notify the Permit holder if Electrical Wiring is in a position that will interfere with completion of a structure according to the building plans.

(c) After inspecting Electrical Work, Inspector will leave a notice in a prominent location on the property which clearly states whether Electrical Work passed or failed inspection.

(d) If Electrical Work fails inspection, within 24 hours of completing the inspection, or as soon thereafter as is feasible, Inspector will notify the Permit holder (and lessee or occupant when applicable) and identify Electrical Work that failed inspection and the reason why it failed.

(2) Within 24 hours of (a) Electrical Work covered by a Permit being complete and compliant with this Code and (b) related non-Electrical Work being complete and compliant with the applicable code(s), or as soon thereafter as is feasible, Inspector must issue a Certificate of Approval.

**105.4. Entity Providing Electrical Current.**

(A) Electrical current must not be provided unless Inspector has issued a Certificate of Approval for the Electrical Work.

(B) Electrical current must not be provided to a property if the electrical current to the property or any structure on the property was terminated until Inspector gives written notice that it is permissible to resume providing electrical current to the property.

(C) If directed by Inspector, an entity providing electrical current to a property must promptly stop providing electrical current to the property. Electrical current must not be provided to the property until Inspector gives notice that it is permissible to resume providing electrical current to the property.

(D) After being notified of a fire or other emergency, an entity providing electrical current must promptly manage its electrical current facilities to protect the public and property.

**105.5. Inspection.**

(A) A Permit holder must promptly request an inspection of Electrical Wiring covered in a Permit after Electrical Wiring is complete.

(B) Owner, lessee, or occupant may request an inspection of Electrical Wiring on her/his owned, leased, or occupied property.

**105.6. Application of this Code.**

(A) Electrical Wiring in a new structure must comply with this Code.

(B) Electrical Wiring in a structure being remodeled to change its use and/or occupancy must comply with this Code for the new use and/or occupancy.

(C) Electrical Wiring in a new or remodeled structure must not be concealed prior to Inspector approving Electrical Wiring.

(D) Electrical Wiring in an existing structure which is not defective or Unsafe Electrical Wiring and which was compliant with the electrical code in place at the time it was installed does not have to be changed to comply with this Code.

105.7. Calculating Time. Saturdays, Sundays, and official holidays are not included in calculating time periods.

105.8. Appeal. An entity with standing may appeal an order or decision by Inspector regarding Inspector's application and/or interpretation of this Code. Such entity ("Appellant") must submit to the Development Department a written appeal within ten days of the date of the order or decision Appellant is appealing. The appeal must include the Code section(s) at issue and the relief Appellant requests. An appeal is governed by Natrona County Resolution No. 84-03, Establishment of and Rules of Practice for the Natrona County Development Board of Appeals, as amended.

105.9. Public Nuisance. Unsafe Electrical Wiring is a public nuisance. If Inspector notifies Owner that there is Unsafe Electrical Wiring on Owner's property, such public nuisance must be abated by repairing, replacing, and/or removing the public nuisance. A Dangerous Building can be caused by Unsafe Electrical Wiring. Resolution 89-03 adopted the Uniform Code for the Abatement of Dangerous Buildings.

105.10. Violation. Any entity violating any provision of this Code is guilty of a misdemeanor. Each and every day or portion thereof during which a violation of any provision of this Code is committed, continued, or permitted constitutes a separate offense. Upon conviction, such entity may be punished by a fine of not more than \$750.00 for each offense and/or revocation of her/his license(s) defined in this Code.

c. NEC Chapter 1 General is amended by adding the following article:

ARTICLE 106 Maintenance

106.1. Maintenance. Electrical Wiring must be maintained and kept in safe operating condition.

a. **NEC Article 225 outside branch Circuits and Feeders, Section 225.32 Location** (of the disconnecting means) is amended by adding subsection 225.32(1):

(1) **Bathrooms.** Building or structure disconnecting means shall not be installed in bathrooms.

b. **NEC Article 230 Services, Section 230.28 Service Masts as Supports** is amended by adding to subsection (A) as follows:

(A) **Strength.** The service mast shall be of adequate strength or be supported by braces or guy wires to withstand safely the strain imposed by the service-drop or overhead service conductors. Service masts shall be Type RMC conduit or Type IMC conduit and shall be a minimum of 2" nominal diameter. Hubs intended for use with a conduit that serves as a service mast shall be identified for use with service entrance equipment.

c. **NEC Article 230 Services, Section 230.32 Protection Against Damage** is amended by adding the following subsection:

(A) A junction box shall be installed for all underground service conductors. The junction box shall be sized and constructed to power company specifications. It may be above ground or in the ground. In no case shall the box be smaller than 12 inches wide by 18 inches tall by 6 inches deep above ground or 13 inches by 24 inches by 18 inches deep when in the ground.

*Exception: Where the power company wiring compartment of service equipment has 16" of height such that conductors will have sufficient slack space, a junction box shall not be required.*

d. **NEC Article 230 Services, Section 230.43 Wiring Methods for 1000 Volts or Less** is amended by deleting the following:

- (1) Open wiring on insulators
- (6) Electrical nonmetallic tubing
- (7) Service-entrance cables
- (16) Liquidtight nonmetallic conduit

e. **NEC Article 230 Services, Section 230.43 Wiring Methods for 1000 Volts or Less** is amended by adding the following:

(11) Rigid polyvinyl chloride conduit (PVC) where installed underground

(19) Reinforced thermosetting resin conduit (RTRC) where installed underground

f. **NEC Article 408 Switchboards, Switchgear and Panelboards, Section 408.16 Switchboards and Switchgear in damp or wet locations** is amended by adding subsection 408.16(1) as follows:

(1) **Bathrooms.** Switchboards or switchgear shall not be installed in bathrooms.

g. **NEC Article 408 Switchboards, Switchgear and Panelboards, Section 408.37 Panelboards in damp or wet locations** is amended by adding subsection 408.37(1) as follows:

(1) **Bathrooms.** Panelboards shall not be installed in bathrooms.

**Section 4. Repealer.**

The Electrical Code of Natrona County, Wyoming adopted November 8, 2018 is repealed and any other resolution or portion of resolution in conflict with this Resolution is repealed to the extent of the conflict.

**Section 5. Savings Clause.**

If any portion of this Resolution is determined by a court with jurisdiction to be invalid or otherwise unenforceable, the remainder of this Resolution remains in effect.

**Section 6. Effective Date.**

This Resolution becomes effective on and continues from the date it is filed with the County Clerk.

APPROVED

DATE: September 15, 2020

Attest: Tracy Good  
Tracy Good, County Clerk



Rob Hendry  
Rob Hendry, Chair  
Board of County Commissioners

My term of office expires  
January 3, 2023

APPROVED AS TO FORM FOR NATRONA Co.

Charmaine Reed  
Charmaine Reed, WB# 6-3172  
Deputy Natrona Co. Attorney