

RESOLUTION NO. 185-2017

Date Adopted: 11-8-17

Date Published: \_\_\_\_\_

Effective Date: January 1, 2018

**A RESOLUTION TO ADOPT THE NATIONAL ELECTRICAL CODE,  
2017 EDITION AND AMEND ARTICLE 1, TABLE I**

**WHEREAS**, pursuant to K.S.A. 19-101d, the Kansas State Legislature granted the Board of County Commissioners of Sedgwick County the authority to enforce all resolutions passed pursuant to county home rule powers; and

**WHEREAS**, the Board of County Commissioners adopted the Wichita-Sedgwick County Unified Building and Trade Code (“UBTC”) within Sedgwick County Resolution 175-2012; and

**WHEREAS**, Article IV of the UBTC contains the Electrical Code; and

**WHEREAS**, this Resolution adopts and incorporates the National Electrical Code, 2017 Edition, with local amendments, into Article IV of the UBTC; and

**WHEREAS**, this Resolution amends Article 1, Table I of the UBTC.

**NOW, THEREFORE, BE IT RESOLVED THAT THE BOARD OF COUNTY COMMISSIONERS OF SEDGWICK COUNTY, KANSAS, AMENDS THE WICHITA-SEDGWICK COUNTY UNIFIED BUILDING AND TRADE CODE AS FOLLOWS:**

**SECTION 1.**

*SECTION 4.A.070 – Board of electrical appeals – Matters pertaining to electrical elevators is hereby repealed.*

**SECTION 2.**

*SECTION 4.2.010 – Installation standards is hereby amended to read as follows:*

“All electrical installations made shall be in strict conformity with the provisions of this Code. If sections contained within this Code, in a given situation, do not prescribe a specific type or class

of material or specific standards of construction, then the standards as set forth and contained in the most recent edition of the National Electrical Code, including Informative Annex C (Conduit and Tubing Fill Tables), as published by the National Fire Protection Association as N.F.P.A. No. 70- 2017, as presently constituted and as may be hereinafter amended, shall apply with the exception of Section 200.6(d); Section 210.5(c)(1); Section 210.52(c)(1) Exception; Section 230.24(A) Exception No. 5; Section 230.40; Section 300.11(b)(2); Section 334.10; Section 334.12(a)(1); Section 334.40(b); Section 590.4(D); Section 590.6(B)(3); and Section 680.9; of such publication. Said N.F.P.A. No. 70 2017, was adopted by the National Fire Protection Association at its 2016 June Technical Session and approved as an American National Standard on August 24, 2016. By this publication, all provisions of such publication, with noted exceptions, are adopted by reference and made a part of this Code, and this Section as though fully set forth herein.”

### ***SECTION 3.***

***SECTION 4.2.070 – Conductor requirements is hereby amended to read as follows:***

***“A. Commercial and Industrial.***

(1) *Type.* All commercial and industrial wiring conductors rated two hundred (200) amperes or less, including all service conductors required to be installed by the licensed electrical contractor, shall be copper. Each individual conductor of a parallel conductor set shall meet the requirements of this Section. Parallel conductors are not to be considered a single conductor.

***Exception.*** Feeder circuit and branch circuit conductors rated one hundred (100) amperes or more, may be aluminum or copper-clad aluminum, provided panel boards

or disconnect switches served by such circuits are marked by the manufacturer as being suitable for aluminum or copper-clad aluminum termination.

(2) *Minimum Size.* The minimum branch circuit wiring conductor size shall be No. 12 AWG copper.

B. *Residential.*

All residential and accessory building wiring conductors less than ninety (90) amperes shall be copper.

Note: Grounding conductors installed in the same raceway or cable with the above listed aluminum conductors may be allowed to be aluminum when sized per Article 250 of the currently adopted National Electrical Code.”

**SECTION 4.**

***SECTION 4.2.150 – Ceiling grid support wires is hereby amended to read as follows:***

“The following is added to the section 300.11(A)(2) of the National Electrical Code:

Exception No. 2: MC cable or flexible metal conduit may be attached to the ceiling grid support wires serving lighting fixtures located within the ceiling grid area where all of the following conditions apply.

1. The MC cable or flexible metal conduit must not be larger than trade size ½ inch.
2. Only a single MC cable or flexible metal conduit may be attached per ceiling grid support wire.
3. Only clips or devices approved for the purpose may be used to attach MC cable or flex to the support wires.

Fire rated ceiling assemblies shall not be used to support electrical raceways and all raceways installed within fire rated ceiling assemblies shall be provided with independent support.”

**SECTION 5.**

***SECTION 4.2.165 - Sewage ejector pumps and sump pumps is hereby amended to read as follows:***

“Ground fault circuit interrupter protection shall not be required on a sewage ejector pump or sump pump that is cord and plug connected to a single receptacle installed on an individual motor branch circuit.”

**SECTION 6.**

***SECTION 4.2.170 – Conduit bodies is hereby repealed.***

**SECTION 7.**

***SECTION 4.2.175 – Arc-Fault Circuit Interrupter Protection is hereby repealed.***

**SECTION 8.**

***SECTION 4.2.195 – Pools shall not be located under overhead wiring is hereby amended to read as follows:***

“Section 680.9 of the National Electrical Code shall be amended to read as follows: The following parts of pools shall not be placed under existing electrical, communications, CATV, Network powered Broadband conductors or any other overhead wiring; nor shall such wiring be installed above the following:

1. Pools and the area extending 10 ft. horizontally from the inside of the walls of the pool,
2. Diving structure, or
3. Observation stands, towers or platforms.”

**SECTION 9.**

**SECTION 4.2.205. – Permitted use of Underground Residential Distribution (URD)**

*cable is hereby amended to read as follows:*

“Underground Residential Distribution (URD) cable may be installed as an approved wiring method for outdoor use only, with the following restrictions.

- (a) Permitted for outdoor use only, installed direct buried or in a raceway.
- (b) Minimum size shall be #2 Aluminum.
- (c) The phase conductors and the neutral conductor shall be the same size.
- (d) The phase conductors and the neutral conductor insulation shall be identified as USE.
- (e) The Neutral conductor shall be properly identified per the National Electrical Code.
- (f) Grounding conductor, if needed, shall be a minimum of #2 aluminum or #6 copper and shall be insulated.
- (g) The ampacity of the conductors must comply with the values for the respective size and conductor material as listed in the seventy-five degree (75°) column of the Ampacity Tables of the latest adopted edition of the National Electrical Code.”

**SECTION 10.**

**SECTION 4.2.210 – Temporary Construction Service Requirements** *is hereby amended to read as follows:*

“Temporary services used during construction, remodeling or repair of buildings or structures shall not be attached to a building. The temporary service shall have a minimum of one 125-volt 20-amp GFCI protected receptacle and one 125/250-volt 30-amp GFCI protected twist lock receptacle NEMA L14-30, and meet all other requirements of the latest edition of the National Electrical Code adopted by the MABCD.

**Exception:** In-use covers are not required for construction services.”

**SECTION 11.**

**SECTION 4.2.220 – Conduits exposed to sunlight on rooftops is hereby repealed.**

**SECTION 12.**

**Article 1, Table I is hereby amended to read as follows:**

**Table I**

**Electrical permit required – Fees listed**

		<b>AUTHORIZED WORK</b>	<b>QTY</b>	<b>EA</b>
CIRCUITS	1	120 volt Circuit		\$ 2.00
	2	277 volt Circuit		\$ 2.00
HEATING APPLIANCES	3	Heating Appliance less than 4500 watt		\$ 3.00
	4	Range or Heat Device 4500 watt or over		\$ 8.00
	5	Clothes Dryer		\$ 8.00
SPECIAL CIRCUITS	6	Feeder		\$ 9.00
	7	Hot tub / Sauna or Jacuzzi		\$ 14.00

AND ADDITIONS	8	Special Power Circuit		\$ 9.00
	9	Generator		\$ 29.00
	10	Sign Per Circuit		\$ 7.00
	11	Outlets Added to Existing Circuit		\$ 0.75
	12	Smoke Detectors		\$ 0.75
Fixtures	13	Light Fixture or Lampholding Device (also retrofits of fixtures)		\$ 0.75
MOTORS	14	1 HP or less		\$ 5.00
AND	15	Over 1 HP		\$ 7.00
AIR COND.	16	Water Well Motor		\$ 7.00
SERVICE  (New/Change)	17a	480 volts or less	Per Meter (100 Amps or less)	\$ 11.00
	17b		Each Additional Amp	\$ 0.06
	18	Over 480 volts	Each Service Entrance	\$ 71.00
	19	Construction Service (480 volts or less)		\$ 14.00
	20	Construction Service (Over 480 volts)		\$ 28.00
Miscellaneous	21	Reinspection of discont. service (meter reset - only one meter per permit)		\$ 11.00
	22	Transformer		\$ 11.00
	23	Miscellaneous		\$ 14.00
	24	Photovoltaic System		\$ 29.00
	25	Investigation Fee		
	26	Permit Issuance Fee	1	\$ 25.00

***SECTION 13.***

Sections 4.A.070, 4.2.010, 4.2.070, 4.2.150, 4.2.165, 4.2.170, 4.2.175, 4.2.195, 4.2.205, 4.2.210 and 4.2.220, as well as Article 1, Table I, as written prior to the passage of this Resolution, are hereby repealed.

***SECTION 14.***

This Resolution shall be included in the Wichita-Sedgwick County Unified Building and Trade Code, and shall be effective on January 1, 2018.



Commissioners present and voting were:

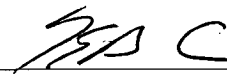

DAVID M. UNRUH  
MICHAEL B. O'DONNELL, II  
DAVID T. DENNIS  
RICHARD RANZAU  
JAMES M. HOWELL

Aye  
Aye  
Aye  
Aye  
Aye


Dated this 8<sup>th</sup> day of November, 2017.

BOARD OF COUNTY COMMISSIONERS  
OF SEDGWICK COUNTY, KANSAS

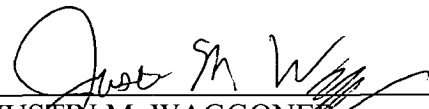
ATTEST:


  
KELLY B. ARNOLD, Clerk  



  
DAVID M. UNRUH, Chairman  
Commissioner, First District

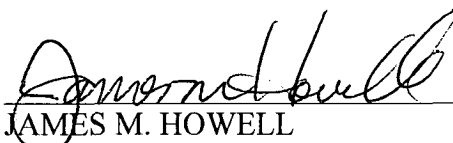
  
MICHAEL B. O'DONNELL, II, Chair Pro Tem  
Commissioner, Second District

APPROVED AS TO FORM:

  
JUSTIN M. WAGGONER,  
Assistant County Counselor

  
DAVID T. DENNIS  
Commissioner, Third District

  
RICHARD RANZAU  
Commissioner, Fourth District

  
JAMES M. HOWELL  
Commissioner, Fifth District