

**COUNTY COUNCIL OF CECIL COUNTY, MARYLAND
LEGISLATIVE SESSION 2018-21**

BILL NO. 2018-21

Title of Bill: Electrical Code – Compliance Requirements – Board of Electrical Examiners

Synopsis: A Bill to amend certain provisions of the Cecil County Code, Chapter 191, Electrical Standards, Article I (General Provisions), Section 191-3 (Compliance With National Electric Code Required), and Article II (Board of Electrical Examiners), Section 191-6 (Membership; Terms, Vacancies).

Introduced by: Council President at the request of the County Executive

Introduced and order posted on: December 18, 2018

Public hearing scheduled on: January 15, 2019 at 7:00pm

Consideration scheduled on: February 5, 2019

By: _____
Council Manager

PUBLIC HEARING

Notice of time and place of public hearing and title of Bill having been posted by (date) at the County Administration Building, 200 Chesapeake Blvd., Elkton, and having been published according to the Charter on (date), a public hearing was held on (date) and concluded on (date).

By: _____
Council Manager

Explanation: CAPITAL LETTERS INDICATE LANGUAGE ADDED TO EXISTING DOCUMENT
~~Strike through~~ indicates language deleted from existing document
Underlining indicates language added to document by amendment.
~~Double Strike through~~ indicates language stricken from document by amendment.

Electrical Code – Compliance Requirements – Board of Electrical Examiners

1 **WHEREAS**, pursuant to Section 402 of the Cecil County Charter (the “Charter”), the County
2 Executive (the “Executive”) shall see that the affairs of the executive branch are administered properly
3 and efficiently, and that employees of the executive branch faithfully perform their duties; and

4 **WHEREAS**, pursuant to Section 402 of the Charter, the duties and responsibilities of the Executive
5 include, but are not limited to: (a) Supervising and directing offices, agencies and divisions of the
6 executive branch and ensuring that County employees as well as County boards and commissions
7 faithfully perform their duties; and, (b) preparing and submitting to the Council the annual County
8 Budget; and

9 **WHEREAS**, pursuant to Chapter 191, of the Cecil County Code, there is an Electrical Standards
10 Ordinance; and

11 **WHEREAS**, the County has adopted the National Electric Code, codified as Cecil County Code,
12 Chapter 191, Electrical Standards, Article I (General Provisions), Section 191-3 (Compliance Required); and

13 **WHEREAS**, membership, terms, and vacancies related to the Cecil County Board of Electrical
14 Examiners have been codified as Cecil County Code, Chapter 191, Electrical Standards, Article II (Board of
15 Electrical Examiners), Section 191-6 (Membership; Terms, Vacancies); and,

16 **WHEREAS**, the Chief, Permits and Inspections Division, Cecil County Department of Land Use and
17 Development Services, together with the Cecil County Electrical Board, have recommended amendments,
18 insertions, and deletions to Chapter 191, Article I, Section 191-3 and Article II, Section 191-6, respectively,
19 of the Cecil County Code, as more fully set forth herein; and

20 **WHEREAS**, the County Executive has submitted the amendments set forth herein to the County
21 Council for consideration and approval.

22 **NOW, THEREFORE, BE IT HEREBY ENACTED BY THE COUNTY COUNCIL OF CECIL COUNTY,**
23 **MARYLAND**, that the National Electric Code adopted under Cecil County Code, Chapter 191, Electrical
24 Standards, Article I (General Provisions), Section 191-3 (Compliance Required), as wells as Cecil County
25 Code, Chapter 191, Electrical Standards, Article II (Board of Electrical Examiners), Section 191-6
26 (Membership; Terms, Vacancies), are amended as follows:

27 § 191-3 Compliance required.

28 (Amended 11-13-2012 by Ord. No. 2012-12; 9-2-2014 by Bill No. 2014-21)

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29 All electrical installations in Cecil County shall meet the standards and requirements set forth by the
 30 National Electrical Code as established in § 191-2 above. The following provisions replace and supersede
 31 parallel provisions of NFPA 70, ~~2014~~ **2017** of the NEC:

32 A. Wireless low voltage systems. An electrical permit or electrical inspection is not required
 33 for wireless low voltage systems that:

- 34 (1) Are 50 volts or less;
- 35 (2) Have approved third-party devices; and
- 36 (3) Do not include or require permanent wiring.

37 ~~B. Ground bar for utilities (article 250, NEC). Ground bar for utilities shall have three~~
 38 ~~termination points on grounding conductors or three split bolts.~~

39 **C. B.** Aluminum conductors. Aluminum conductors shall be No. 6 or larger.

40 **D. C.** Small appliance circuits.

41 (1) Two identified appliance branch circuits shall be installed in the kitchen to service
 42 the countertop surfaces.

43 (2) The two identified appliance branch circuits installed in the kitchen to service
 44 countertop surfaces shall not supply any other receptacles.

45 (3) All other code instructions in the NEC pertaining to small appliance circuits shall be
 46 adhered to and equally divided among the countertop.

47 **E. D.** Illumination of interior and exterior stairways. All interior and exterior stairways shall be
 48 illuminated.

49 (1) Interior and exterior stairways shall have a luminaire installed at each landing of the
 50 stairway.

51 (2) Interior and exterior stairways shall have a switch or automatic activation device
 52 installed at the top and bottom of each stairway without traversing any risers.

53 (3) Exterior stairways shall have a luminaire installed at the top of the stairway.

54 (4) Basement stairways shall have a luminaire installed at the bottom of the stairway.

55 **F. E.** Temporary services. Temporary services shall require the installation of one eight-foot
 56 ground rod.

57 **G. F.** Exception to NEC ~~section~~ **ARTICLE** 250.52(A)(3). NEC section 250.52(A)(3) shall not apply in
 58 dwelling units with concrete encased electrodes.

59 **H. G.** Color code. The following color codes shall apply:

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- (1) 480/277V: brown, orange, yellow (BOY);
- (2) 240/120V: black, orange (or tagged high leg), blue (BOB); and
- (3) 120/208V: black, red, blue (BRB).

~~1~~ **Underground conductors.**

~~(1) No. 10 and smaller: Undergrounded conductors No. 10 and smaller must be identified for the complete length.~~

~~(2) No. 8 and larger: Undergrounded conductors No. 8 and larger can be identified at each termination and junction box.~~

~~J-H.~~ Vacuum systems. Vacuum systems that utilize electrical equipment or electrical devices that exceed 50 volts to ground or phase-to-phase shall be installed by a master electrician.

I. GAS PIPING SYSTEMS. GAS PIPING SYSTEMS SHALL BE BONDED IN ACCORDANCE WITH SECTION 310 OF THE INTERNATIONAL FUEL GAS CODE (IFGC).

§ 191-6 Membership; terms; vacancies.

A. In accordance with the Charter, the County Executive shall appoint a board which shall be known as the "Board of Electrical Examiners," consisting of seven persons for the purpose of examining the qualifications and capabilities of all persons who are engaged in, or desire to engage in, the business of master electrician or limited electrician as defined in this chapter.

(Amended 11-13-2012 by Ord. No. 2012-12)

B. The County Executive, in accordance with the Charter, shall appoint seven members. All members shall be residents of Cecil County, **OR SHALL BE A LICENSED MASTER ELECTRICIAN IN CECIL COUNTY WITH PRINCIPAL PLACE OF BUSINESS OF THEIR COMPANY ESTABLISHED AND IN GOOD STANDING IN CECIL COUNTY.** The Board so appointed shall consist of at least four persons, who are competent practical Cecil County master electricians who have been duly licensed as master electricians for at least three consecutive years prior to the appointment. One member shall be a person whose name appears on a list of candidates recommended by the Cecil County Fireman's Association, if such a list is furnished to the County Executive. The remaining member or members shall be persons selected by the County Executive, as may be deemed appropriate, who may or may not be from the building industry, a utility company or the general public.

(Amended 11-13-2012 by Ord. No. 2012-12; 5-6-2014 by Bill No. 2014-09)

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89 C. Two of the members appointed shall serve a term of one year, three of the members
90 appointed shall serve terms of two years, and two of the members appointed shall serve terms of three
91 years. All appointments for successors to the members appointed shall be for a period of three years.

92 D. If a vacancy occurs for any cause during the term of a Board member as herein provided
93 for, the County Executive shall appoint someone to fill the vacancy for the remainder of the term of said
94 Board member. In the case of a vacancy from among the practical electrician Board members, the Board
95 of Electrical Examiners shall submit to the County Executive a list of three names of potential
96 replacements, and such appointment shall occur within 60 days.

97 E. The Board of Electrical Examiners shall continue to serve at the pleasure of the County
98 Executive and shall be designated with the duties as enumerated in § 191-10 of this chapter.

99 **AND BE IT FURTHER ENACTED BY THE COUNTY COUNCIL OF CECIL COUNTY, MARYLAND,** that this
100 Act shall take effect in 60 calendar days from the date it becomes law.

CERTIFICATION

I, HEREBY CERTIFY that the above Bill was posted for the public on the public bulletin board with the date, time and location of the public hearing meeting, copies were made available for the public, a copy was distributed to the press, and copy was made available on the Cecil County website.

BY Council Manager