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# CLARK COUNTY BOARD OF COMMISSIONERS AGENDA ITEM

**Petitioner:** Jerome A. Stueve, Director of Building & Fire Prevention

**Recommendation:**

**Conduct a public hearing and approve, adopt, and authorize the Chair to sign ordinance amending Title 25, Chapter 25.04 of the Clark County Code to add Sections 25.04.040 through 25.04.055 to amend the 2017 National Electrical Code and Southern Nevada Amendments to the 2017 National Electrical Code as it relates to high-rise construction provisions effective January 1, 2020; and providing for other matters properly relating thereto; or take other action as appropriate. (For possible action)**

**FISCAL IMPACT:**

Fund #:	N/A	Fund Name:	N/A
Fund Center:	N/A	Funded PGM/Grant:	N/A
Amount:	N/A		
Description:	N/A		
Additional Comments:	N/A		

**BACKGROUND:**

This ordinance modifies certain provisions of 2017 National Electrical Code as it relates to high-rise construction to better coordinate with the 2018 International Building Code, as amended.

On December 3, 2019, the Board considered and approved the Business Impact Statement in accordance with NRS 237.090.

The amended ordinance was introduced at the December 3, 2019, Board of County Commissioners' meeting, and a public hearing is scheduled for December 17, 2019 at 10:00am.

Cleared for Agenda

12/17/2019

Agenda Item #

58.

[Bracketed] material is that portion being deleted  
Underlined material is that portion being added

BILL NO. 12-3-19-3

SUMMARY - An ordinance to amend Title 25, Chapter 25.04 of the Clark County Code to add Sections 25.04.40 through 25.04.55 to amend the 2017 National Electrical Code and Southern Nevada Amendments to the 2017 National Electrical Code as it relates to high-rise construction provisions effective January 1, 2020; and providing for other matters properly relating thereto.

ORDINANCE NO. \_\_\_\_\_  
(of Clark County, Nevada)

AN ORDINANCE TO AMEND TITLE 25, CHAPTER 25.04 OF THE CLARK COUNTY CODE TO ADD SECTIONS 25.04.40 THROUGH 25.04.55 TO AMEND THE 2017 NATIONAL ELECTRICAL CODE AND SOUTHERN NEVADA AMENDMENTS TO THE 2017 NATIONAL ELECTRICAL CODE AS IT RELATES TO HIGH-RISE CONSTRUCTION PROVISIONS EFFECTIVE JANUARY 1, 2020; AND PROVIDING FOR OTHER MATTERS PROPERLY RELATING THERETO.

THE BOARD OF COUNTY COMMISSIONERS OF THE COUNTY OF CLARK,  
STATE OF NEVADA, DOES HEREBY ORDAIN AS FOLLOWS:

SECTION 1. Title 25, Chapter 25.04 is amended to read as follows:

**25.04.040 - Amendments to the National Electrical Code.**

Certain parts, articles, divisions, sections and subsections of the 2017 National Electrical Code and Southern Nevada Amendments to the 2017 National Electrical Code are supplemented, modified, amended and deleted as provided in the following sections of this chapter.

**25.04.045 - Emergency Systems.**

A sub-article, designated "700.1 Scope" is amended to read as follows:

700.1 Scope. For the purposes of this section, items considered as meeting the requirements for high rise applications (i.e. buildings with an occupied floor located more than 55 ft (16 764 mm) above the lowest level of fire department vehicle access) to be placed on the emergency distribution system may include: emergency illumination, exit signage, electric fire pumps, fire jockey or makeup pumps, fire alarm equipment, smoke control equipment, one elevator per bank of elevators, cooling and heating equipment for emergency electrical rooms and elevator machine rooms, FAA required obstruction lighting, battery chargers for emergency generating equipment, heating equipment for freeze protection of fire sprinkler systems, telecommunications equipment (i.e. for 911 applications), fire command center loads such as monitoring and display equipment and other equipment approved by the Authority Having Jurisdiction that will enhance the survivability of life safety systems.

This article applies to the electrical safety of the installation, operation, and maintenance of emergency systems consisting of circuits and equipment intended to supply, distribute, and control electricity for illumination, power, or both, to required facilities when the normal electrical supply or system is interrupted.

#### 25.04.050 – Circuit Wiring.

A sub-article, designated “700.10 (D) Fire Protection” is amended to read as follows:

700.10(D) Fire Protection. Emergency systems shall meet the additional requirements in (D)(1) through (D)(4) in the following occupancies:

- (1) Assembly occupancies for not less than 300 persons
- (2) Buildings above 55 ft (16 764mm) in height
- (3) Health care occupancies where persons are not capable of self-preservation
- (4) Educational occupancies with more than 300 occupants

#### 25.04.055 – Sources of Power.

A sub-article, designated “700.12 General Requirements” is amended to read as follows:

700.12 General Requirements. Modify the fourth paragraph to read as follows, remainder is unchanged.

Equipment for sources of power as described in 700.12(A) through (E) shall be installed either in spaces fully protected by approved automatic fire suppression system (sprinklers, carbon dioxide systems and so forth) or in spaces with a 2 hour fire rating where located within the following:

- (1) Assembly occupancies for more than 300 persons.

- (2) Buildings above 55 ft (16.764mm) in height with any of the following occupancy classes - assembly, educational, residential, detention and correctional, business, and mercantile.
- (3) Health care occupancies where persons are not capable of self-preservation.
- (4) Educational occupancies with more than 300 occupants.

SECTION 2. If any section of this ordinance or portion thereof is for any reason held invalid or unconstitutional by any court of competent jurisdiction, the other sections of this ordinance shall remain valid.

SECTION 3. All ordinances, parts of ordinances, chapters, sections, subsections, clauses, phrases, or sentences contained in the Code of Clark County in conflict with this ordinance are hereby repealed.

SECTION 4. This ordinance shall take effect January 1, 2020, and be in force from and after the date set forth below, after its passage and the publication thereof by title only, together with the names of the County Commissioners voting for or against its passage, in a newspaper published in and having a general circulation in Clark County, Nevada, at least once a week for a period of two (2) weeks.

PROPOSED on the 3rd day of December, 2019

PROPOSED BY Marilyn Kirkpatrick

PASSED on the \_\_\_\_ day of \_\_\_\_\_, 2019

AYES: \_\_\_\_\_

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\_\_\_\_\_  
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NAYES: \_\_\_\_\_

\_\_\_\_\_

ABSTAINING: \_\_\_\_\_

ABSENT: \_\_\_\_\_

BOARD OF COUNTY COMMISSIONERS  
CLARK COUNTY, NEVADA

BY: \_\_\_\_\_  
Marilyn Kirkpatrick, Chair

ATTEST:

\_\_\_\_\_  
LYNN GOYA, County Clerk

This ordinance shall be in force and effect from and after the 1st day of January, 2020.