CITY OF GREELEY, COLORADO
ORDINANCE NO. _____, 2021

AN ORDINANCE AMENDING PORTIONS OF THE GREELEY MUNICIPAL CODE TITLE 22, CHAPTER 11 (ELECTRICAL CODE) AS IT RELATES TO ADOPTING THE 2020 EDITION OF THE NATIONAL ELECTRICAL CODE, ONE- AND TWO-FAMILY DWELLINGS, TYPE NM CABLE, CENTRAL HEATING EQUIPMENT, AND AUXILIARY GROUNDING OF PHOTOVOLTAIC SYSTEMS

WHEREAS, the City Council of the City of Greeley is charged with the responsibility of providing for the health, safety and welfare of its residents; and

WHEREAS, adoption of minimum electrical code standards is one method of providing for the protection of residents of the city; and

WHEREAS, the City of Greeley has previously adopted various versions of the National Electrical Code, the most recent being the 2017 National Electrical Code, with local amendments included; and

WHEREAS, it becomes necessary to update the Greeley Municipal Code from time to time to adopt the most recent publication of the National Electrical Code, with local amendments; and

WHEREAS, the 2020 National Electrical Code has been published and is the most recent edition; and

WHEREAS, the Greeley City Council desires to adopt the 2020 National Electrical Code with local amendments.

NOW THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF GREELEY, COLORADO:

Section 1. Various Sections, within Title 22, Chapter 11 of the Greeley Municipal Code, regarding the Electrical Code, a copy of which is attached hereto as Appendix A, is hereby amended, with deletions shown in strikethrough text and additions shown in bold, underlined text.

Section 2. This ordinance shall become effective five (5) days after publication.

PASSED AND ADOPTED, SIGNED AND APPROVED ON THIS _____ DAY OF _____, 2021.

ATTEST **THE CITY OF GREELEY, COLORADO**

_____ _____

City Clerk **Mayor**

APPENDIX A

Sec. 22-377. National Electrical Code adopted.

The, National Electrical Code©, ~~2017~~ **2020** Edition, referred to in this chapter as this Code or the NEC©, is hereby adopted by reference by the city of Greeley. The National Electrical Code© is published by the National Fire Protection Association, One Batterymarch Park, Quincy, Massachusetts, 02269 and is referenced as NFPA 70. The city finds that The National Electrical Code© provides for the minimum standards to safeguard life, health, property and public welfare by regulating and controlling the design, construction, installation, quality of materials, location, operation and maintenance of electrical systems. To ensure the safety of the public, this code is to be enforced as published or as amended in this chapter. Enforcement and administrative procedures are also established in this chapter.

Sec. 22-378. Amendments, deletions, and additions designated.

NEC© articles 90.8(A), 110.14(A), 110.14(B), 210.11(C)(3), 210.52(G), **230.70(A)(1),** 250.118, 334.10, ~~342.10(B)~~, 344.10(B), 348.60, 350.60, and 408.4~~, 422.12 and 690.47(B)~~ of the National Electrical Code© are hereby amended; Annex H of the NEC© is hereby deleted; and articles 210.52(J), 210.52(K), and 210.52(L) are added as set out in sections 16.32.080 through 16.32.091.

22-386 Amended

Sec. 22-386. Article 230.70(A)(1) amended; readily accessible location.

Article 230.70(A)(1) of the NEC©, adopted at section 22-377, is amended to read as follows:

230.70(A)(1) Readily accessible location. The service disconnecting means shall be installed at a readily accessible location either outside of a building or structure or inside nearest the point of entrance of the service conductors.

For a one **and two**-family dwelling, the service disconnecting means shall be located on the exterior of the structure adjacent to or combined with the utility meter enclosure**, and as required by Article 230.85**.

22-388 Deleted in its entirety

~~**Sec. 22-388 Article 334.10 amended; Used Permitted.**~~

~~Article 334.10 of the NEC®, adopted at Section 22-377, is amended to read as follows:~~

~~**334.10 Used Permitted** Type NM, Type NMC and Type NMS cables shall be permitted to be used in the following, except as prohibited in 334.12:~~

~~(1) One- and two-family dwellings and their attached or detached garages, and their storage buildings.~~

(2) Multifamily dwellings permitted to be of Types III, IV, and V construction *up to 3 stories in height only and their accessory structures*, except as prohibited in 334.12.

(3) Deleted in its entirety.

(4) Cable trays in structures permitted to be Types III, IV, and V where the cables are identified for the use.

(5) Types I and II construction where installed in raceways permitted to be installed in Types I and II construction.

22-394 Deleted in its entirety

Sec. 22-394 Article 422.12, amended; Central Heating Equipment.

Article 422.12 of the *NEC*®, adopted at Section 22-377, is amended to read as follows:

422.12 Central Heating Equipment. Central heating equipment other than fixed electric space-heating equipment shall be supplied by an individual branch circuit.

A combination switch/fuse holder unit such as a SSU or SSY shall be installed as the discounting means for central heating equipment such as gas, forced-air furnaces and unit heaters. The fuse shall be sized at 125% of the nameplate rating of the heating equipment.

Exception No.1: Auxiliary equipment such as a pump, valve, humidifier, or electrostatic air cleaner directly associated with the heating equipment, shall be permitted to be connected to the same branch circuit.

Exception No 2: Permanently connected air-conditioning equipment shall be permitted to be connected to the same branch circuit.

Exception No. 3. A door chime transformer shall be permitted to be connected to the same branch circuit.

22-395 Deleted in its entirety

Sec. 22-395 Article 690.47(B), amended; Additional Auxiliary Electrodes for Array Grounding.

Article 690.47(B) of the *NEC*®, adopted at Section 22-377, is amended to read as follows:

(B) Additional Auxiliary Electrodes for Array Grounding. A grounding electrode ***shall*** be installed in accordance with 250.52 and 250.54 at the location

~~of all ground- and pole-mounted PV arrays and as close as practicable to the location of roof-mounted PV arrays. The electrodes ***shall*** be connected directly to the array frame(s) or structure. The dc grounding electrode conductor ***shall*** be sized according to 250.166. Additional electrodes are not permitted to be used as a substitute for equipment bonding or equipment grounding conductor requirements. The structure of a ground- or pole-mounted PV array shall be permitted to be considered a grounding electrode if it meets the requirements of 250.52. Roof -mounted PV arrays shall be permitted to use the metal frame of a building or structure if the requirements of 250.52(A) (2) are met.~~

~~*Exception: An additional array grounding electrode(s) shall not be required if located within 1.8 m (6 ft) of the premises wiring electrode.*~~