



City of Grand Island

Tuesday, January 10, 2023

Council Session

Item F-2

#9914 - Consideration of Approving Amendment to Chapter 26 of the Grand Island City Code Relative to Uniform Plumbing Code

Staff Contact: Craig Lewis

Council Agenda Memo

From: Craig A. Lewis, Building Department Director

Meeting: January 10, 2023

Subject: Amending Chapter 26 of the Grand Island City Code to Adopt the 2021 Uniform Plumbing Code

Presenter(s): Craig Lewis, Building Department Director

Background

The Grand Island City has adopted and enforced plumbing regulations for several decades. Currently the 2018 edition of the Uniform Plumbing Code is adopted to provides minimum standards for the protection of the public health, safety, and welfare in regard to plumbing installations and facilities. This proposal is to amend the City code to adopt the latest edition of the Uniform Plumbing code, that being the 2021 edition.

Discussion

The City generally adopts published model codes on a three to six year cycle as model codes are published and revised every three years. This edition and adoption is intended to keep Grand Island current with the latest model plumbing code.

These modifications have been before the Grand Island Plumbing Board and received their approval and endorsement.

Alternatives

It appears that the Council has the following alternatives concerning the issue at hand. The Council may:

1. Approve the ordinance.
2. Disapprove or /Deny the ordinance.
3. Modify the ordinance to meet the wishes of the Council
4. Table the issue

Recommendation

City Administration recommends that the Council approve the ordinance to adopt the 2021 Uniform Plumbing Code and modify chapter 26 of the City Code.

Sample Motion

Move to approve Ordinance #9914 to amend Chapter 26 of the City Code.

ORDINANCE NO. 9914

An ordinance to amend Chapter 26 of the Grand Island City code; to amend Sections 26-1, 26-13, 26-17 and 26-26 to clarify and/or make general corrections to various code sections, to repeal any ordinance or parts of ordinances in conflict herewith; and to provide for publication and effective date of this ordinance.

BE IT ORDAINED BY THE MAYOR AND COUNCIL OF THE CITY OF GRAND ISLAND, NEBRASKA:

SECTION 1. Sections 26-1, 26-13, 26-17 and 26-26 of the Grand Island City Code Chapter 26 are amended to read as follows:

26-1 Uniform Plumbing Code Adopted

The Uniform Plumbing Code, 2018 ~~2021~~ Edition, published by the International Association of Plumbing and Mechanical Officials, is hereby adopted, together with Appendices as set forth hereafter, and any amendments thereto as may be made from time to time, except such portions as are hereinafter deleted, modified, or amended by ordinance and set forth in this chapter of the Grand Island City Code. One copy of the Uniform Plumbing Code, 2018 ~~2021~~ Edition, and all supplements or amendments thereto shall be filed in the office of the city clerk as provided by law.

The following appendices shall be used with the Uniform Plumbing Code adopted by this section:

- A. Appendix A – Recommended Rules for Sizing the Water Supply System.
- B. Appendix B – Explanatory Notes on Combination Waste and Vent Systems.
- C. Appendix C – Alternative Plumbing Systems
- D. Appendix D – Sizing Storm Water Drainage Systems

26-13 Reserved Section 609.0 amended to include the following section.

609.13 Electrical Bonding and Grounding of Water Services. Electrical Bonding and Grounding of all new and existing water services, whether metallic or plastic shall be under the scope of NFPA 70.

26-17 Reserved. UPC – Amendment of Section 1211 Electrical Bonding and Grounding.

1211.0 Electrical Bonding and Grounding.

1211.1 Pipe and Tubing Other than CSST. Each aboveground portion of a gas piping system, other than CSST, that is likely to become energized shall be electrically continuous and bonded to an effective ground fault current path. Gas piping, other than CSST, shall be considered to be bonded when it is connected to appliances that are connected to the appliance grounding conductor of the circuit supplying that appliance. [NFPA 54:7.12.1]

1211.2 Bonding of CSST Gas Piping. CSST gas piping systems, and gas piping systems containing one or more segments of CSST, shall be electrically continuous and bonded to the electrical service grounding electrode system or, where provided, lightning protection grounding electrode system. [NFPA 54:7.12.2]

1211.2.1 Bonding Jumper Connection. The bonding jumper shall connect to a metallic pipe, pipe fitting, or CSST fitting. [NFPA 54:7.12.2.1]

1211.2.2 Bonding Jumper Size. The bonding jumper shall not be smaller than 6 AWG copper wire or equivalent. [NFPA 54:7.12.2.2]

Approved as to Form	□ _____
January 5, 2023	□ City Attorney

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~~**1211.2.3 Bonding Jumper Length.** The length of the jumper between the connection to the gas-piping system and the grounding electrode system shall not exceed 75 feet (22,860 mm). Any additional grounding electrodes installed to meet this requirement shall be bonded to the electrical service grounding electrode system or, where provided, lightning protection grounding electrode system. [NFPA 54:7.12.2.3]~~

~~**1211.2.4 Bonding Connections.** Bonding connections shall be in accordance with NFPA 70. [NFPA 54:7.12.2.4]~~

~~**1211.2.5 Devices Used for Bonding.** Devices used for the bonding connection shall be listed for the application in accordance with UL 467. [NFPA 54:7.12.2.5]~~

~~**1211.3 Arc-Resistant Jacketed CSST.** CSST listed with an arc-resistant jacket or coating system in accordance with CSA LC 1 shall be electrically continuous and bonded to an effective ground fault current path. Where any CSST component of a piping system does not have an arc-resistant jacket or coating system, the bonding requirements of Section 1211.2 shall apply. Arc-resistant jacketed CSST shall be considered to be bonded when it is connected to appliances that are connected to the appliance grounding conductor of the circuit supplying that appliance. [NFPA 54:7.12.3]~~

~~**1211.4 Prohibited Use.** Gas piping shall not be used as a grounding conductor or electrode. [NFPA 54:7.12.4]~~

~~**1211.5 Lighting Protection System.** Where a lightning protection system is installed, the bonding of the gas piping shall be in accordance with NFPA 780. [NFPA 54:7.12.5]~~

~~**1211.6 Electrical Circuits.** Electrical circuits shall not utilize gas piping or components as conductors. **Exception:** Low-voltage (50 V or less) control circuits, ignition circuits, and electronic flame detection device circuits shall be permitted to make use of piping or components as part of an electric circuit. [NFPA 54:7.13]~~

~~**1211.7 Electrical Connections.** All electrical connections between wiring and electrically operated control devices in a piping system shall conform to the requirements of NFPA 70. [NFPA 54:7.14.1]~~

~~**1211.7.1 Safety Control.** Any essential safety control depending on electric current as the operating medium shall be of a type that shuts off (fail safe) the flow of gas in the event of current failure. [NFPA 54:7.14.2]~~

Amended by Ordinance No. 9806, effective 01-01-2021

26-26 Established; Appointment; Term

There is hereby established a Plumbers Examining Board, hereinafter referred to as the Board, to consist of seven members. The chief building official, or his/her designee, shall be an ex-officio member of the Board and shall act as secretary thereof. One member shall represent the board of health, one member shall be a contracting master plumber, one member shall represent the general public, **one member shall be a professional engineer licensed with the State of Nebraska**, and ~~three~~ two members shall be either master or journeyman plumbers. Each member of the board shall have had at least three years' experience in his or her respective field.

The members of the Board shall be appointed by the mayor. Upon expiration of the terms of the individuals currently serving on the Board, the mayor shall appoint three (3) members to serve for one (1) year and three (3) members to serve for two (2) years. Thereafter, each member shall serve a term of two (2) years.

SECTION 2. Any ordinance or parts of ordinances in conflict herewith be, and hereby are, repealed.

SECTION 3. This ordinance shall be in force and take effect from and after its passage and publication pursuant to law beginning February 1, 2023.

ORDINANCE NO. 9914 (Cont.)

Enacted: January 10, 2023.

Roger G. Steele, Mayor

Attest:

RaNae Edwards, City Clerk