

ORDINANCE NO. _____

AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF MESA, MARICOPA COUNTY, ARIZONA, RELATING TO PUBLIC HEALTH AND SAFETY, REPEALING TITLE 4, BUILDING REGULATION, CHAPTER 7, MESA FUEL GAS CODE, SECTION 1 INTERNATIONAL FUEL GAS CODE ADOPTED AND SECTION 2 PENALTY CLAUSE OF THE MESA CITY CODE; ADOPTING THE 2018 INTERNATIONAL FUEL GAS CODE BY REFERENCE; ADOPTING AMENDMENTS TO CERTAIN PROVISIONS IN THE 2018 INTERNATIONAL FUEL GAS CODE; ADDING A NEW TITLE 4, CHAPTER 7, SECTION 1 MESA BUILDING CODE AND 2 PENALTY CLAUSE; AND AN EFFECTIVE DATE OF FEBRUARY 10, 2019.

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF MESA, MARICOPA COUNTY, ARIZONA as follows:

Section One. **REPEAL.**

That Title 4, Chapter 7, Section 1 and Section 2 as amended, of the Mesa City Code is repealed.

Section Two. **ADOPTION BY REFERENCE.**

SECTION 4-7-1. That Title 4, Chapter 7, Section 1 of the Mesa City Code shall now read as follows:

The following publications are hereby adopted by reference as if set out at length in this Code, three copies of which shall be filed in the office of the City Clerk and kept available for public use and inspection:

The 2018 International Fuel Gas Code, including:

Appendix A – Sizing and Capacities of Gas Piping

Appendix B – Sizing of Venting Systems Serving Appliances Equipped with Draft Hoods, Category 1 Appliances, and Appliances Listed for Use with Type B Vents

Appendix C – Exit Terminals of Mechanical Draft and Direct-Vent Venting Systems

Section Three. **AMENDMENTS TO THE 2018 INTERNATIONAL FUEL GAS CODE.**

That Title 4, Chapter 7, Section 2 of the Mesa City Code shall now read as follows:

Note: Underlined indicates proposed addition and ~~Strikethrough~~ indicates deletions to the text.

(A) CHAPTER 1 ADMINISTRATION

- (1) **Section 101.1 of the 2018 International Mechanical Code** is amended to read, in its entirety, as follows:

101.1 Title. These regulations shall be known as the ~~*Fuel Gas Code*~~ of [NAME OF JURISDICTION] *Mesa Fuel Gas Code*, hereinafter referred to as “this code.”

- (2) **Section 101.2.1 through 110.4 of the 2018 International Fuel Gas Code is deleted in its entirety.**

(B) CHAPTER 4 GAS PIPING INSTALLATIONS

Section 406.4 and 406.4.1 are amended to read as follows:

406.4 Test Pressure Measurement. Test pressure shall be measured with a manometer or with a pressure-measuring device designed and calibrated to read, record, or indicate a pressure loss caused by leakage during the pressure test period. The source of pressure shall be isolated before the pressure tests are made. ~~Mechanical gauges used to measure test pressures shall have a range such that the highest end of the scale is not greater than five times the test pressure.~~

406.4.1 The test pressure to be used shall be not less than ~~1½ times the proposed maximum working pressure, but not less than 3 psig (20 kPa gauge),~~ irrespective of design pressure ten (10) pounds per square inch (68.9 kPa) gauge pressure, or where approved by the building official, the piping and valves may be tested at a pressure of at least six inches (6") (152.4 mm) of mercury, measured with a manometer or slope gauge. for welded piping, and for piping carrying gas at pressures in excess of fourteen inches (14") (0.4 m) water column pressure, the test pressure shall not be less than sixty (60) pounds per square inch (413.4 kPa). Where the test pressure exceeds 125 psig (862 kPa gauge), the test pressure shall not exceed a value that produces a hoop stress in the piping greater than fifty percent (50%) of the specified minimum yield strength of the pipe.

At the end of Section 406.4 add new Section **406.4.3 with Subsections 406.4.3.1, 406.4.3.2, 406.4.3.3 and 406.4.3.4** to read as follows:

406.4.3 Test gauges. Tests required by this code that are performed utilizing dial gauges shall be limited to gauges having the following pressure graduations or incrementations:

406.4.3.1 Required pressure tests of ten (10) pounds (69 kPa) or less shall be performed with gauges of one-tenth (1/10) pound (0.7 kPa) incrementation or less.

406.4.3.2 Required pressure tests exceeding ten (10) pounds (69 kPa) but less than one hundred (100) pounds (689 kPa) shall be performed with gauges of one (1) pound (6.9 kPa) incrementation or less.

406.4.3.3 Required pressure tests exceeding one hundred (100) pounds (689 kPa) shall be performed with gauges incremented for two percent (2%) or less of the required test pressure.

406.4.3.4 Test gauges shall have a pressure range not greater than twice the test pressure applied.

At the end of Section 406 Inspection, Testing and Purging a new **Section 406.8 Certificate of Inspection** is added to read as follows:

Section 406.8 Connection of service utilities is added at the end of Section 406 Inspection, Testing and Purging to read as follows:

406.8. Connection of service utilities. A person shall not make connections from a utility, source of energy, fuel or power to any building or system that is regulated by this code for which a permit is required until authorized by the code official.

(C) CHAPTER 8 REFERENCED STANDARDS

NFPA Standards have been amended to read as follows:

NFPA 211 – ~~46~~ 19 Chimneys, Fireplaces, Vents and Solid Fuel-Burning Appliances

NFPA 409 – ~~46~~ 19 Aircraft Hangars

SECTION 4-7-2. PENALTY CLAUSE: Any person, firm, or corporation who shall violate any of the provisions of this Chapter of the Mesa City Code as amended shall be subject to all penalties and provisions of Section 4-1-9.

PASSED AND ADOPTED by the City Council of the City of Mesa, Maricopa County, Arizona, this 7th day of January, 2019.

APPROVED:

Mayor

ATTEST:

City Clerk