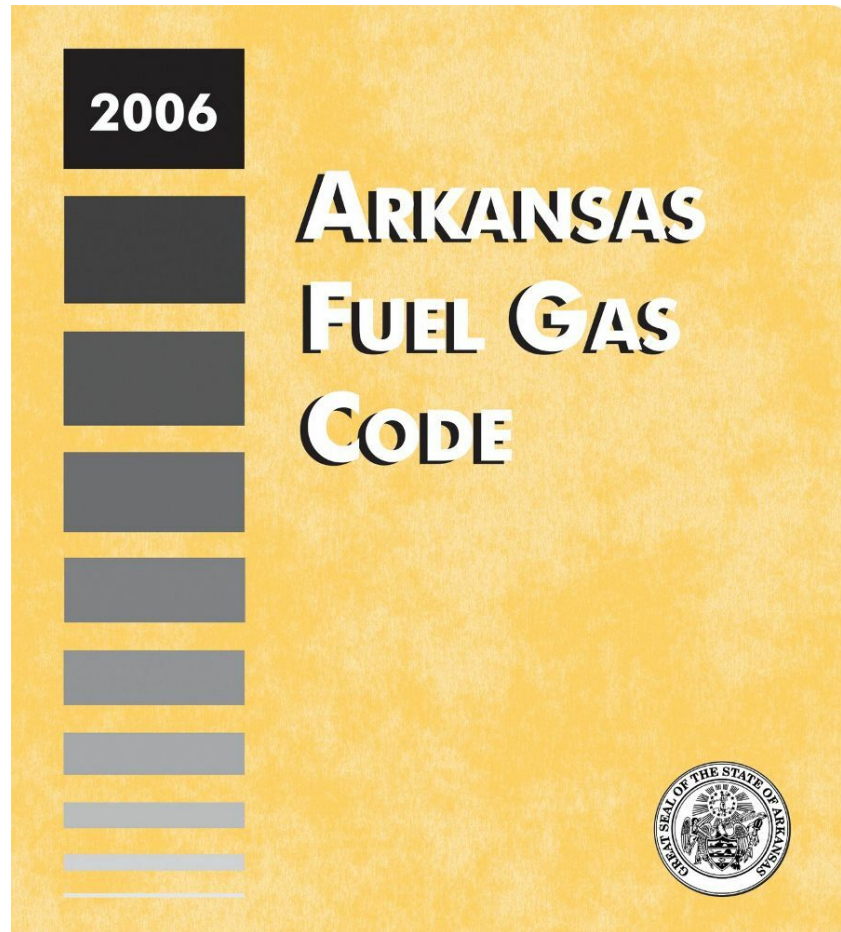


The 2006 Arkansas Fuel Gas Code



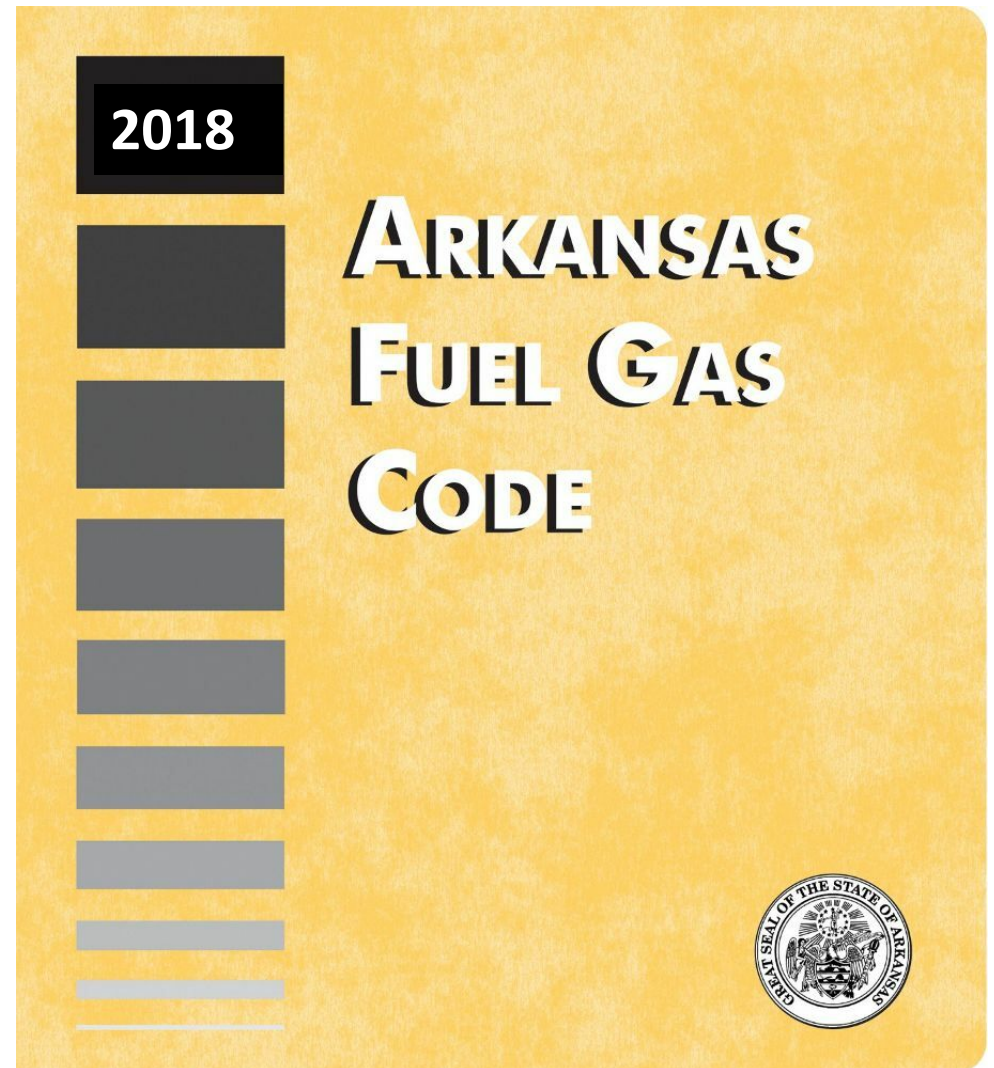
**Will soon be updated to the
2018 Arkansas Fuel Gas Code**

2018

ARKANSAS FUEL GAS CODE



Although there will be many minor changes, most of them semantical by design, the significant changes will be featured in this PowerPoint presentation. **New text will be highlighted red.**



AFGC

Section 110

Temporary Equipment, Systems and Uses

This new section was added to allow for and provide guidance on the installation and use of temporary installations.

AFGC

Section 110

Temporary Equipment, Systems and Uses

110.1 General.

The code official is authorized to issue a permit for temporary equipment, systems and uses. Such permits shall be limited as to time of service, but shall not be permitted for more than 180 days.

The code official is authorized to grant extensions for demonstrated cause.

AFGC

Section 110

Temporary Equipment, Systems and Uses

110.2 Conformance.

Temporary equipment, systems and uses shall conform to the structural strength, fire safety, means of egress, accessibility, light, ventilation and sanitary requirements of this code as necessary to ensure the public health, safety and general welfare.

There are instances when a temporary heater like this is necessary during construction to prevent freezing.



AFGC

Section 110

Temporary Equipment, Systems and Uses

110.3 Temporary Utilities.

The code official is authorized to give permission to temporarily supply utilities before an installation has been fully completed and the final certificate of completion has been issued.

The part covered by the temporary certificate shall comply with the requirements specified for temporary lighting, heat or power in the code.

AFGC

Section 110

Temporary Equipment, Systems and Uses

110.4 Termination of Approval.

The code official is authorized to terminate such permit for a temporary structure or use and to order the temporary structure or use to be discontinued.

AFGC

Section 403.10

Metallic pipe joint and fittings.

403.10.1 Pipe Joints.

Schedule 40 and heavier pipe joints shall be threaded, flanged, brazed, welded or assembled with press connect fittings listed in accordance with ANSI LC4/CSA 6.32. Pipe lighter than schedule 40 shall be connected using press connect fittings, threaded, flanged, brazed or welded. Where nonferrous pipe is brazed, the brazing materials shall have a melting point in excess of 1,000 degrees F. Brazing materials shall not contain more than 0.05 percent phosphorus.

AFGC

Section 403.10

Metallic pipe joint and fittings.

403.10.1 Pipe Joints.

This section was added, it is a time saving and highly effective method of installing gas piping that has been developed since the last code update.







AFGC

Section 403.10

Metallic pipe joint and fittings.

403.10.3 Stainless steel tubing joints.

Stainless steel tubing joints shall be welded, assembled with approved tubing fittings, brazed with a material having a melting point in excess of 1,000 degrees F., or assembled with press connect fittings listed in accordance ANSI LC4/CSA 6.32.



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AFGC

Section 404.14

Piping underground beneath buildings.

404.14

Piping installed underground beneath buildings is prohibited except where the piping is encased in a conduit of wrought iron, plastic pipe, steel pipe, **a piping or encasement system listed for installation beneath buildings, or other approved conduit material** designed to withstand the superimposed loads.

AFGC

Section 404.14

Piping underground beneath buildings.

404.14

This section was added to allow for new CSST tubing that is encased in its conduit or sleeving.

This will allow for a much easier gas installation under a building slab.

AFGC
Section 404.14
Piping underground beneath
buildings.

404.14.1 Conduit with one end terminating outdoors.

The conduit shall extend into an occupiable portion of the building and, at the point where the conduit terminates in the building, the space between the piping and the conduit shall be sealed to prevent the possible entrance of any gas leakage. The conduit shall extend not less than 2 inches beyond the point where the pipe emerges from the floor.

AFGC

Section 404.14

Piping underground beneath buildings.

404.14.1 Conduit with one end terminating outdoors.

Where the end sealing is capable of withstanding the full pressure of the gas pipe, the conduit shall be designed for the same pressure as the pipe. Such conduit shall extend not less than four inches outside of the building, shall be vented above grade to the outdoors and shall be installed so as to prevent the entrance of water and insects.

AFGC

Section 406.4.1

Test Pressure

406.4.1 Each segment of consumer piping shall be tested at not less than 1 ½ times the proposed maximum working pressure, but not less than 3 psig irrespective of design pressure.

AFGC

Section 406.4.1

Test Pressure

406.4.2 Test Duration

Test duration shall be not less than ½ hour for each 500 cubic feet of pipe volume. When testing a system having a volume 250 cubic feet or less or a system in a single family dwelling, the test duration shall be not less than 15 minutes.

AFGC

Section 406.4.1

Test Pressure

406.4.2 Test Duration

Test duration shall be not less than ½ hour for each 500 cubic feet of pipe volume. When testing a system having a volume 250 cubic feet or less or a system in a single family dwelling, the test duration shall be not less than 15 minutes.

This section was changed to meet the intent of the national standard.

AFGC

Section 406.7

Purging.

406.7.1 Piping systems required to be purged outdoors.

Where the design operating pressure is greater than 2 psig or the volume meets the criteria of Table 406.7.1.1 the piping system shall be purged outdoors in accordance with 406.7.1.1 through 406.7.1.4.

AFGC

Section 413

This section was added to address regulator parameters for CNG fueling facilities. This section provides regulation by the Arkansas Fuel Gas Code and the Arkansas Fire Prevention Code.

AFGC

Section 416

This Section has been revised to protect gas utilization equipment designed to operate at a gas pressure of 14 inches w.c. (water column) or less, from damage due to over pressurization when connected to a hybrid gas system operating at greater than 2 psi (pounds per square inch).

AFGC

Section 503.4.1

Plastic Piping (Vents)

Where plastic pipe is used to vent an appliance, the appliance shall be listed for with such venting materials. The appliance manufacturer's installation instructions shall identify the specific plastic piping material.