



Georgia State Amendments to the International Fuel Gas Code (2006 Edition)



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**GEORGIA STATE MINIMUM STANDARD
GAS CODE
(INTERNATIONAL FUEL GAS CODE
WITH GEORGIA STATE AMENDMENTS)**

The **INTERNATIONAL FUEL GAS CODE, 2006 Edition**, published by the International Code Council, when used in conjunction with these Georgia State Amendments, shall constitute the official *Georgia State Minimum Standard Gas Code*.

GEORGIA STATE AMENDMENTS

CODE REFERENCE:

Replace all references to the ICC *Electrical Code* with references to the *Georgia State Minimum Standard Electrical Code (National Electrical Code with Georgia State Amendments)*.

**Revise the International Fuel Gas Code, 2006 Edition, as follows:*

**CHAPTER 1
ADMINISTRATION**

*Delete Chapter 1 'Administration' in its entirety without substitution.
(Effective January 1, 2007)

**CHAPTER 3
GENERAL REGULATIONS**

**SECTION 300 (IFGC)
GENERAL APPLICABILITY STANDARDS**

*Add new Section 300 'General Applicability Standards' as follows:

300.1 Scope. This code shall apply to the installation of fuel gas piping systems, fuel gas utilization equipment, gaseous hydrogen systems and related accessories in accordance with Sections 300.1.1 through 300.1.5.

Exception: Detached one- and two-family dwellings and multiple single-family dwellings (townhouses) not more than three stories high with separate means of egress and their accessory structures shall comply with the *International Residential Code*.

300.1.1 Gaseous hydrogen systems. Gaseous hydrogen systems shall be regulated by Chapter 7.

300.1.2 Piping systems. These regulations cover piping systems for natural gas with an operating pressure of 125 pounds per square inch gauge (psig) (862 kPa gauge) or less, and for LP-gas with an operating pressure of 20 psig (140 kPa gauge) or less, except as provided in Section 402.6.1. Coverage shall extend from the point of delivery to the outlet of the equipment shutoff valves. Piping systems requirements shall include design, materials,

components, fabrication, assembly, installation, testing, inspection, operation and maintenance.

300.1.3 Gas utilization equipment. Requirements for gas utilization equipment and related accessories shall include installation, combustion and ventilation air and venting and connections to piping systems.

300.1.4 Systems and equipment outside the scope. This code shall not apply to the following:

1. Portable LP-gas equipment of all types that is not connected to a fixed fuel piping system.
2. Installation of farm equipment such as brooders, dehydrators, dryers and irrigation equipment.
3. Raw material (feedstock) applications except for piping to special atmosphere generators.
4. Oxygen-fuel gas cutting and welding systems.
5. Industrial gas applications using gases such as acetylene and acetylenic compounds, hydrogen, ammonia, carbon monoxide, oxygen and nitrogen.
6. Petroleum refineries, pipeline compressor or pumping stations, loading terminals, compounding plants, refinery tank farms and natural gas processing plants.
7. Integrated chemical plants or portions of such plants where flammable or combustible liquids or gases are produced by, or used in, chemical reactions.
8. LP-gas installations at utility gas plants.
9. Liquefied natural gas (LNG) installations.
10. Fuel gas piping in power and atomic energy plants.
11. Proprietary items of equipment, apparatus or instruments such as gas-generating sets, compressors and calorimeters.
12. LP-gas equipment for vaporization, gas mixing and gas manufacturing.
13. Temporary LP-gas piping for buildings under construction or renovation that is not to become part of the permanent piping system.
14. Installation of LP-gas systems for railroad switch heating.
15. Installation of hydrogen gas, LP-gas and compressed natural gas (CNG) systems on vehicles.
16. Except as provided in Section 401.1.1, gas piping, meters, gas pressure regulators and other appurtenances used by the serving gas supplier in the distribution of gas, other than undiluted LP-gas.
17. Building design and construction, except as specified herein.
18. Piping systems for mixtures of gas and air within the flammable range with an operating pressure greater than 10 psig (69 kPa gauge).
19. Portable fuel cell appliances that are neither connected to a fixed piping system nor interconnected to a power grid.

300.1.5 Other fuels. The requirements for the design, installation, maintenance, alteration and inspection of mechanical systems operating with fuels other than fuel gas shall be regulated by the *International Mechanical Code*.

300.2 Appendices. Provisions in the appendices shall not apply unless specifically adopted.

300.3 Intent. The purpose of this code is to provide minimum standards to safeguard life or limb, health, property and public welfare by regulating and controlling the design, construction, installation, quality of materials, location, operation and maintenance or use of fuel gas systems.

300.4 Severability. If a section, subsection, sentence, clause or phrase of this code is, for any reason, held to be unconstitutional, such decision shall not affect the validity of the remaining portions of this code.

(Effective January 1, 2007)

SECTION 301 (IFGC) GENERAL

*Delete exception to Section 301.11 'Flood hazard' without substitution.

(Effective January 1, 2007)

SECTION 307 (IFGC) CONDENSATE DISPOSAL

*Revise Section [M] 307.3 'Drain pipe materials and sizes' to add exception as follows:

[M] 307.3 Drain pipe materials and sizes.

Exception:

If an approved condensate pump is used, the condensate line must be sized according to the manufacturer's instructions.

(Effective January 1, 2007)

CHAPTER 4 GAS PIPING INSTALLATIONS

SECTION 404 (IFGC) PIPING SYSTEM INSTALLATION

*Revise Section 404.8 'Protection against corrosion' to read as follows:

404.8 Protection against corrosion. Metallic pipe or tubing exposed to corrosive action, such as soil condition or moisture, shall be protected in an approved manner. Ferrous metal exposed in exterior locations shall be protected from corrosion in a manner satisfactory to the code official. Where dissimilar metals are joined underground, an insulating coupling or fitting shall be used. Piping shall not be laid in contact with cinders.

(Effective January 1, 2007)

SECTION 406 (IFGS) INSPECTION, TESTING AND PURGING

*Rename Section 406.6.2 'Before turning gas on' as 'Turning gas on' and revise to read as follows:

406.6.2 Turning gas on. When turning gas on into a system of new gas piping, the entire system shall be inspected to determine that there are no open fittings or ends and that all valves at unused outlets are closed and plugged or capped.

(Effective January 1, 2007)

**SECTION 409 (IFGC)
SHUTOFF VALVES**

*Add new Section 409.2.1 'Point of delivery service valve' as follows:

409.2.1 Point of delivery service valve. Where the point of delivery is the outlet of the service meter assembly or the outlet of the service regulator, a service shutoff valve shall be installed. Such valve is considered to be part of the customer piping system.

(Effective January 1, 2007)

**SECTION 412 (IFGC)
LIQUEFIED PETROLEUM GAS MOTOR VEHICLE FUEL-DISPENSING
FACILITIES**

*Delete Section 412 'Liquefied Petroleum Gas Motor Vehicle Fuel-Dispensing Facilities' and substitute the following:

412 Liquefied Petroleum Gas Motor Vehicle Fuel-Dispensing Facilities. Under Georgia law, the Rules and Regulations of the Georgia Safety Fire Commissioner's Office govern the storage, delivery and dispensing of Liquefied Petroleum Gas. Refer to the Rules and Regulations of the Georgia Safety Fire Commissioner's Office and NFPA 58 for all requirements concerning liquefied petroleum gas motor vehicle fuel-dispensing facilities.

(Effective January 1, 2007)

**SECTION 413 (IFGC)
COMPRESSED NATURAL GAS MOTOR VEHICLE FUEL-DISPENSING FACILITIES**

*Delete Section 413 'Compressed Natural Gas Motor Vehicle Fuel-Dispensing Facilities' and substitute the following:

413 Compressed Natural Gas Motor Vehicle Fuel-Dispensing Facilities. Under Georgia law, the Rules and Regulations of the Georgia Safety Fire Commissioner's Office govern the storage, delivery and dispensing of compressed natural gas. Refer to the Rules and Regulations of the Georgia Safety Fire Commissioner's Office and NFPA 52 for all requirements concerning compressed natural gas motor vehicle fuel-dispensing facilities.

(Effective January 1, 2007)

**CHAPTER 6
SPECIFIC APPLIANCES**

**SECTION 624 (IFGC)
WATER HEATERS**

*Add new Section 624.3 'Boilers/water heaters' as follows:

624.3 Boilers/water heaters. The State’s minimum requirements for boilers/water heaters and pressure vessels over 200,000 BTU/h (58.61 kW), 210 degrees Fahrenheit or 120 gallons capacity shall be established by O.C.G.A. Title 34, Chapter 11 and the Rules and Regulations of the Georgia Department of Labor.
(Effective January 1, 2007)

**SECTION 631 (IFGC)
BOILERS**

*Add new Section 631.4 ‘Additional regulations’ as follows:

631.4 Additional regulations. For additional regulations regarding boilers/water heaters, see Section 624.3 (GA Amendments).
(Effective January 1, 2007)

**CHAPTER 8
REFERENCED STANDARDS**

*Revise Chapter 8 ‘Referenced Standards’ to add as follows:

National Fire Protection Association
Batterymarch Park

NFPA

Quincy, MA 02269

Standard reference number	Title	Referenced in code section number
52	Compressed Natural Gas (CNG) Vehicular Fuel Systems	413, GA Amendments
58	Liquefied Petroleum Gas	412, GA Amendments

(Effective January 1, 2007)

End of Amendments.