Rhode Island Building Code Standards Committee

PUBLIC NOTICE CONCERNING PROPOSED REGULATORY CHANGE

Pursuant to provisions of Chpater23-27.3-109.1 of the General Laws of Rhode Island as amended, and in accordance with the Administrative Procedures Act Chapter §42-35-2.3 of the General Laws, The Building Code Commission, Building Code Standards Committee propose amendments to the Rhode Island Building Codes and gives notice of intent to hold a public hearing to afford interested parties the opportunity for public comment.

Public comment will be solicited on the following proposals:

1) Amendments to SBC-1 Rhode Island Building Code
2) Amendments to SBC-2 Rhode Island One and Two Family Dwelling Code
3) Amendments to SBC-3 Rhode Island State Plumbing Code
4) Amendments to SBC-4 Rhode Island State Mechanical Code
5) Amendments to SBC-6 Rhode Island Property Maintenance Code
6) Amendments to SBC-8 Rhode Island Energy Conservation Code
7) Amendments to RISBC-19 Rhode Island Fuel Gas Code

The public hearing will commence at 10:00 AM on **Wednesday, May 15, 2013** at the Department of Administration, Second Floor Conference Room A. Interpreter services for the hearing impaired will be provided if such services are requested at least three (3) business days prior to the hearing. Request for such services will be made by Building Code Commission Staff. Request for such services may be made in writing or by calling (401) 222-1129. A recording of the hearing will be made by the Recording Secretary for the Building Code Standards Committee.

A copy of the proposed regulations will be available for examination from April 15, 2013 through May 15, 2013 at the office of the Building Code Commission located at One Capitol Hill, Second Floor, Providence Rhode Island 02908. Electronic Copies of the proposed regulations will also be available on the Building Code Commission web site www.ribcc.ri.gov.

John P. Leyden, CBO
Building Code Commissioner

Date Posted: 4/11/13

RHODE ISLAND
STATE BUILDING CODE

SBC-19 State Fuel Gas Code

Replaces SBC-19-2010
Effective July 1, 20~~10~~13

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS

Department of Administration
BUILDING CODE STANDARDS COMMITTEE
One Capitol Hill
Providence, RI 02908-5859
(401) 222-3033
FAX NO (401)-222-2599
www.ribcc.ri.gov

~~August 1, 2010~~

The Building Code Standards Committee, in accordance with the rule making authority of Title 23, Chapter 23-27.3, Section 109.1, paragraphs a through c inclusive, has formally adopted and promulgated as the Rhode Island State Building Code, the provisions of the International Fuel Gas Code, 20~~10~~12 edition, as published by the International Code Council, Inc. (I.C.C.), together with amendments thereto hereinafter set forth to the articles and sections of this code:

The provisions of Title 23, Chapter 27.3 of the General Laws of Rhode Island establishing administration and enforcement are hereby incorporated by reference. Regulatory Administration Chapter 1 immediately follows and is supplemental to the General Laws.

Editorial Note: Code users please note:
When purchasing or using the International Fuel Gas 20~~10~~12 code, please take note of the particular printing edition. Errata to that printing edition is available on-line directly at no charge at *www.iccsafe.org/cs/codes/pages/errata.aspx* or call the office of the State Building Code Commissioner at 401-222-1129 for further information.

Printed copies of the administrative and enforcement provisions of Title 23, Chapter 27.3 are available at the Office of the State Building Code Commission or on-line at *http://www.rilin.state.ri.us/Statutes/TITLE23/23-27.3/INDEX.HTM*.

The State Fuel Gas Code, 20~~10~~13 Edition, is protected by the copyright that has been issued to the ICC. As a result, the State Building Code is not available in complete form to the public in an electronic format. The State Fuel Gas Code 20~~10~~13 edition that is referred to within is contained in a printed volume and is also in an electronic format that have been published by the ICC under an exclusive license.

The Office of the State Building Code Commissioner has purchased volumes of these codes and they shall be distributed to Rhode Island cities and towns during the month of June 20~~10~~13 so that local officials will have access to the code prior to the implementation of these rules on July 1, 20~~10~~13

In order to assure public access to this code the Office of the State Building Code Commissioner shall provide a copy of this code to the Rhode Island State Library, which is located on the second floor of the State House. In addition, all codes may be viewed during business hours at the Department of Administration's Library which is located on the fourth floor of the William E. Powers Building, One Capitol Hill, Providence.

The Legislative Regulation Committee approved adoption of this code on ~~March 4, 2010~~.

By:
John P. Leyden
Executive Secretary
Rhode Island Building Code Standards Committee

STATE OF RHODE ISLAND
BUILDING CODE STANDARDS COMMITTEE

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John P. Leyden, CBO
State Building Commissioner
Executive Secretary

Thomas Coffey
Legal Counsel

STATE BUILDING CODE REGULATIONS - 20~~10~~13 The following list includes all regulations promulgated by the State Building Code Standards Committee. All regulations are available for a fee at the State Building Commission.		
1.	Building Code	SBC-1-20~~10~~13
2..	One and Two Family Dwelling Code	SBC-2-20~~10~~13
3.	Plumbing Code	SBC-3-20~~10~~13
4.	Mechanical Code	SBC-4-20~~10~~13
5.	Electrical Code	SBC-5-2011
6.	Property Maintenance Code	SBC-6-20~~10~~13
7.	Reserved	
8.	Energy Conservation Code	SBC-8-20~~10~~13
9	Enforcement and Implementation Procedures for Projects Under the Jurisdiction of The State of Rhode Island	SBC-9
10.	Code Interpretations	SBC-10
11.	Certification of Building Officials, Building, Electrical, Plumbing and Mechanical Inspectors	SBC-11-2010
12.	New Materials and Methods of Construction	SBC-12
13.	State Building Code for Existing Schools	SBC-13
14.	Reserved	
15.	Reserved	
16.	Reserved	
17.	Public Buildings Accessibility Meeting Standards	SBC-17
18.	Native Lumber	SBC-18
19.	Fuel Gas Code	SBC-19-20~~10~~13
20.	The State of Rhode Island Rehabilitation Building and Fire Code for Existing Buildings and Structures	SRC-1-2002

Format: These code changes follow numbering sequence and topics of the International Fuel Gas Code 20~~09~~12 (first printing). All Provisions of IFGC 20~~09~~12 are retained unless indicated as deleted or revised. Published errata is available from the ICC website dependent on this printing issue number and date.

Chapter 1

ADMINISTRATION

The following Rhode Island amendments are made to the sections of Chapter 1:

Delete IFG Code section 101.1 Title, and substitute the following:

101.1 Title. These regulations shall be known as The Rhode Island State Fuel Gas Code Regulation SBC-19-20~~10~~13 hereafter referred to as "this code"

Add the following new section 101.1.1 referenced codes.

101.1.1 Referenced Codes. The other codes referenced elsewhere in this code shall be considered part of the requirements of this code to the prescribed extent of each such reference.

1. Electrical. The provisions of Rhode Island State Electrical Code SBC-5-2011 shall apply wherever referenced in this code as the ICC Electrical Code, and shall apply to the installation of electrical systems, including alterations, repairs, replacement, equipment, appliances, fixtures, fittings, and appurtenances thereto.

2. Mechanical. The provisions of the Rhode Island State Mechanical Code SBC-4-20~~10~~13 shall apply wherever referenced in this code as the International Mechanical Code and shall apply to the installation, alterations, repairs and replacement of mechanical systems, including equipment, appliances, fixtures, fittings and/orappurtenances, including ventilating, heating, cooling, air-conditioning and refrigeration systems, incinerators and other energy-related systems.

3. Plumbing. The provisions of Rhode Island State Plumbing Code SBC-3-20~~10~~13 shall apply wherever referenced in this code as the International Plumbing Code, and shall apply to the installation, alteration, repair and replacement of plumbing systems, including equipment, appliances, fixtures, fittings and appurtenances, and where connected to a water or sewage system and all aspects of a medical gas system.

4. Property Maintenance. The provisions of the Rhode Island State Property Maintenance Code SBC-6-2010 Provides requirements for continued use and maintenance buildings and property, and of related plumbing, mechanical, electrical and fire protection systems in existing residential and non-residential structures.

5. **Fire Prevention Code.** Wherever and whenever provisions of the International Fire Code 2003 editions are referenced, the appropriate Rhode Island Fire Safety Code requirements shall apply.

6. **Energy Code.** The provisions of the Rhode Island State Energy Conservation Code SBC-8-2010 shall apply wherever referenced in this code as International Energy Conservation Code, and shall apply to all matters governing the design, alteration and construction of buildings and systems for energy efficiency.

7. **Building Code.** The provisions of the Rhode Island State Building Code SBC-1-2010 shall apply wherever referenced in this code as the International Building Code.

8. **Residential Code.** The provisions of the Rhode Island One and Two Family Dwelling Code SBC-2-2010 shall apply wherever referenced in this code as the International Residential Code.

9. **Existing Building Code.** The provisions of the State Building Codes SBC-1-2010 in conjunction with the State Rehabilitation Code SRC-1 and the Rhode Island Fire Safety Code shall apply wherever referenced in this code as the International Existing Building Code.

Any and all such references to the various International Code Council family of code shall be substituted for the appropriate state code as indicated above.

101.2.4 Systems and equipment outside the scope.

Delete exception #9 and substitute the following:

9. Liquified Natural Gas (LNG) installations shall be installed in accordance with this code and the Rhode Island Fire Safety Code.

Delete IFG Code section 101.3 and substitute the following:

101.3 Appendices. Provisions in the appendices are permitted to be used for determining compliance to this code.

Delete IFG Code sections 103, through 106 and 108 through 109.

CHAPTER 3

Section 303
Appliance Location

303.3 **Add the following new exception:**

(6) Gas fired appliances may be installed in loft or open efficiency type apartments when there is a sleeping area not a sleeping room. The installation of appliances must comply with section 304.5 for combustion air required volume and the manufacturers' installation instructions.

310.1.1 Delete and Substitute the following:

310.1.1 CSST CSST gas piping systems shall be bonded to the electrical service grounding electrode system. The bonding jumper shall connect to a metallic pipe or fitting between the point of delivery and the first downstream CSST fitting. The bonding jumper shall be copper and not smaller than 6AWG. The bonding jumper shall not exceed 40' in length. CSST system with a conductive jacket deemed to be equivalent to a direct bonded CSST system by an approved listing agency shall only be required to be bonded in accordance with section Residential Code 2411.1 or Fuel Gas Code 310.1. The installation of the bonding jumper shall be by an electrician with an electrical permit and inspected by the electrical inspector.

Section 311
Temperature Control

311.1 Space-heating systems. Interior spaces intended for human occupancy shall be provided with active or passive space-heating systems capable of maintaining a minimum indoor temperature of 68°F (20°C) at a point 3 feet (914 mm) above floor on the design heating day. The installation of portable space heaters shall not be used to achieve compliance with this section.

> **Exception:** Interior spaces where the primary purpose is not associated with human comfort.

Chapter 4

401.2 Delete 401.2 and substitute the following:

401.2 Liquefied Petroleum Gas & Storage.

The storage system for liquefied petroleum gas shall be designed and installed in accordance with NFPA 58 and the following.

401.2.1

For LNG facilities exceeding 1,000 gallons equivalent water capacity structural engineering design by a licensed RI professional engineer shall include explicit analyses of seismic, storm, and hurricane impacts including combined wind and storm surge effects on tank, facility, dock and other associated structure and underlying foundation, pilings, piers, footings or other associated supports or ground connections.

401.2.2

Spill leak, escape and other failure analyses shall include mapping of impacts on surrounding existing structures and build able parcels to the distance determined by the engineer of record to delimit potential flame or heat impacts that could potentially impact tenability and structural stability of structures, whether adjacent to or beyond the LNG facility site. Such impacts shall be with respect to worse-case spill or release scenarios, not less than 14,000 cubic meters of LNG.

401.2.3

Site-specific analyses shall be performed of potential adverse impacts within the distance determined by the engineer of record to delimit potential flame or heat impacts on tenability or stability of all facilities that house occupants of reduced independent mobility. Such occupancies include but are not limited to elderly housing, healthcare facilities, schools, and daycare facilities.

401.2.4

The RI Building Code Board of Appeals shall review each application for such an installation where it or its associated docking facilities are located on state land, coastal land, state waters, or fill areas formerly part of state waters.

SECTION 404 (IFGC)
PIPING SYSTEM INSTALLATION

404.1 Installation of materials. All materials used shall be installed in strict accordance with the standards under which the materials are accepted and approved. In the absence of such installation procedures, the manufacturer's instructions shall be followed. Where the requirements of referenced standards or manufacturer's instructions do not conform to minimum provisions of this code, the provisions of this code shall apply.

404.2 CSST. CSST piping systems shall be installed in accordance with the terms of their approval, the conditions of listing, the manufacturer's instructions and this code. The installation of the bonding jumper shall be by an electrician with an electrical permit and inspected by the electrical inspector.

Chapter 6

M614.6.6 Delete and substitute the following:

M614.6.6 Length identification. The maximum length of dryer duct may exceed 35' when a permanent placard, measuring a minimum 5" wide, 3" high, and 1/8" thick, and constructed of either wood, metal, or rigid plastic, and bearing raised or embossed lettering stating the following: **"WARNING: THE EFFECTIVE LENGTH OF THIS DRYER DUCT IS xxx FEET. ANY DRYER CONNECTED TO THIS EXHAUST DUCT MUST BE RATED TO USE AN EXHAUST DUCT OF THIS LENGTH, PER THE MANUFACTURERS SPECIFATIONS; SERVERE RISK OF FIRE MAY RESULT FOR NONCOMPLIANCE WITH THIS NOTICE."**

The provisions of M102.4 shall be used in establishing the effective length of the ductwork installed and noted on the placard. The placard shall be permanently attached to the wall or floor within 6" of the terminus of the duct.