

Fiscal Impact Statement

<i>Department</i>	Public Safety/Bureau of Fire		
<i>Preparer</i>	Maxine Anthony		
<i>Contact</i>	Darryl Jones		
<i>Type of Initiative</i>	<input checked="" type="checkbox"/> Legislation	<input type="checkbox"/> Executive Order	
<i>Type of Legislation</i>	Ordinance		

Description of Initiative

Amending the City Code at Title Eight, Fire Prevention, Chapter 801, Adoption, Enforcement, and Amendments, by repealing Chapter 801 in its entirety and replacing it with a new Chapter 801. This is to update the Fire Code from the 2009 Edition of the International Fire Code to the 2015 edition of the International Fire Code.

<i>Total Cost</i>	\$ 0			
<i>Frequency of Expenditure</i>	<input type="checkbox"/> One-Time		<input type="checkbox"/> Multi-Year	
<i>Funding Source</i>	<input type="checkbox"/> Operating	<input type="checkbox"/> Capital	<input type="checkbox"/> Grant	<input type="checkbox"/> Trust Fund
<i>Is this item budgeted?</i>	<input type="checkbox"/> Yes		<input type="checkbox"/> No	

JDE Account Information

None

Additional Costs

None

Impact on City Revenue

None.

Attachments

No attachments

Details

File #: 2018-0909 Version: 1

Type: Ordinance Status: Reported from Standing Committee

File created: 9/21/2018 In control: Committee on Public Safety Services

On agenda: 10/10/2018 Final action:

Enactment date: Enactment #:

Effective date:

Title: Ordinance amending the City Code at Title Eight, Fire Prevention, Chapter 801, Adoption, Enforcement, and Amendments, by repealing Chapter 801 in its entirety and replacing it with a new Chapter 801.

Indexes: PGH. CODE ORDINANCES TITLE 08 - FIRE PREVENTION

Attachments: 1. [Summary 2018-0909.docx](#)

Text

title

Ordinance amending the City Code at Title Eight, Fire Prevention, Chapter 801, Adoption, Enforcement, and Amendments, by repealing Chapter 801 in its entirety and replacing it with a new Chapter 801.

body

The Council of the City of Pittsburgh hereby enacts as follows:

Section 1. The City Code at Title Eight, Fire Prevention, Chapter 801, Adoption, Enforcement, and Amendments, is hereby repealed in its entirety and replaced with a new Chapter 801, as follows: TITLE EIGHT - FIRE PREVENTION

CHAPTER 801: ADOPTION, ENFORCEMENT AND AMENDMENTS

801.01 ADOPTION AND PURPOSE

There is hereby adopted by the City of Pittsburgh, for the purpose of prescribing regulations governing conditions hazardous to life and property from fire and explosion, that certain code known as the International

Fire Code/2015, listed in Section 403.21 of Annex A, Title 34 Pennsylvania Labor and Industry Part XIV Uniform Construction Code, except for such portions thereof as are changed by Section 801.02 of this chapter.

801.02 CHANGES SPECIFIED

The International Fire Code/2015 adopted by Section 801.01 of this title is hereby changed by the enactment, repeal or amendment of provisions, which changes are indicated on the following pages, with the location in the code for that page noted by the heading "changes - page(s)".

<i>Section</i>	<i>Description</i>	<i>Permit Required</i>	<i>Permit Fee</i>	<i>Inspection Fee</i>
105.6.1	Aerosol Products	Yes	38	No
105.6.2	Amusement Building	Yes	38	No
105.6.3	Aviation Facilities	Yes	265	No
105.6.4	Carbon Dioxide Systems used in beverage dispensing applications	Yes	38	No
105.6.5	Carnivals and Fairs	Yes	38	No
105.6.6	Cellulose Nitrate Film	Yes	43	No
105.6.7	Combustible Dust Producing Operations	Yes	71	No
105.6.8	Combustible Fibers	Yes	38	No
105.6.9	Compressed Gasses	Yes	38	No
105.6.10	Covered and open mall buildings	Yes	38	No
105.6.11	Cryogenic Fluids	Yes	71	No
105.6.12	Cutting Welding	Yes	21	No
105.6.13	Dry Cleaning Plants	Yes	38	No
105.6.14	Exhibits and Trade Shows	Yes	38	No
105.6.15	Explosives	Yes	137	No
105.6.16	Fire Hydrants and Valves	Yes	No	No
105.6.17	Flammable/Combustible Liquids - Tanks	Yes	Note 4	Note 6
105.6.17	Flammable/Combustible Liquids - Storage	Yes	38	No
105.6.17	Flammable/Combustible Liquids - Install	Yes	71	Note 6
105.6.17	Tank Removals	Yes	60	Note 6
105.6.18	Floor Finishing	Yes	71	No
105.6.19	Fruit and Crop Ripening	Yes	43	No
105.6.20	Fumigation and Thermal Insecticide Fogging	Yes	27	No
105.6.21	Hazardous Materials	Yes	132	No
105.6.21	Flammable Materials-Gases/Liquids/Solids	Yes	Note 4	No
105.6.22	HPM Facilities	Yes	132	No
105.6.23	High-Piled Storage	Yes	38	No
105.6.24	Hot Work Operations	Yes	21	No
105.6.25	Industrial Ovens/Operational	Yes	38	No
105.6.26	Lumber Yards and Woodworking Plants	Yes	104	No
105.6.27	Liquid/Gas Fueled Vehicles or Equipment	Yes	38	No
105.6.29	Magnesium	Yes	71	No
105.6.30	Miscellaneous Combustible Storage	Yes	38	No
105.6.31	Motor fuel-dispensing facilities			
105.6.32	Open Burning	Yes	71	Note 6
105.6.33	Open Flames and Torches	Yes	38	No
105.6.34	Open Flames and Candles	Yes	20	No
105.6.35	Organic Coatings	Yes	71	No
105.6.36	Place of Assembly	Yes	Note 1	No
105.6.37	Private Fire Hydrants	Yes	No	No
105.6.38	Pyrotechnic Special Effects Material	Yes	71	No

105.6.39	Pyroxylin Plastics	Yes	71	No
105.6.40	Refrigeration Equipment	Yes	71	No
105.6.41	Repair Garages and Motor Fuel Dispensing	Yes	38	No
105.6.42	Rooftop Heliports	Yes	265	No
105.6.43	Spraying or Dipping	Yes	43	No
105.6.44	Storage of Scrap Tires and Tire Products	Yes	71	No
105.6.45	Temporary membrane structures and tents	Yes	32	No
105.6.46	Tire-Building Plants	Yes	38	No
105.6.47	Waste Handling	Yes	38	No
105.6.48	Wood Products	Yes	38	No
105.7.1	Automatic Fire Extinguishing Systems	No	No	No
105.7.2	Battery Systems	No	No	No
105.7.3	Compressed Gases	No	No	No
105.7.4	Cryogenic Fluids	No	No	No
105.7.5	Emergency Responder Radio Coverage System			
105.7.6	Fire Alarm and Detection Systems and Equip	No	No	Note 6
105.7.7	Fire Pumps and Related Equipment	No	No	Note 6
105.7.8	Flammable and Combustible Liquids	No	No	Note 6
105.7.9	Gates and Barricades Across Fire Apparatus Access Roads			
105.7.10	Hazardous Materials	No	No	Note 6
105.7.11	Industrial Ovens/Installations	Yes	38	Note 6
105.7.12	LP Gas	No	No	No
105.7.13	Private Fire Hydrants	No	No	No
105.7.14	Smoke Control and Smoke Exhaust Systems			
105.7.15	Solar Photovoltaic Power Systems			
105.7.16	Spraying or Dipping	No	No	Note 6
105.7.17	Standpipe Systems	No	No	Note 6
105.7.18	Tent Permit Construction	Yes	32	No

Table 105.1.3 Permit Requirements

NOTE 1: 105.6.34 Place of Assembly:

For less than 100 occupants \$16.00

Per each additional 100 occupants (100 & Over) \$5.00

Maximum Fee \$250.00

NOTE 2: 105.6.17 Flammable Liquids/Bowling Lanes

Each lane, each job \$16.00

NOTE 3: 105.6.20 Hazardous Materials in Tanks

Up to 1,000 gallons	\$71.00
1,001 to 12,000	\$76.50
12,001 to 20,000	\$82.00
20,001 to 50,000	\$87.50
50,001 to 100,000	\$93.00
100,001 and up	\$98.50

NOTE 4: 105.6.16 Flammable/Combustible Liquid Storage

Up to 1,000 gallons	\$38.00
1,001 to 12,000	\$43.50
12,001 to 20,000	\$54.50
20,001 to 50,000	\$65.50
50,001 to 100,000	\$76.50
100,001 and up	\$87.50

NOTE 6:

Inspections, witnessing of test, fire watches, supervision of fireworks, displays or any other such function performed by fire bureau personnel will be billed the current regular or overtime fire bureau contractual rates, as required, to perform the applicable work plus an additional fee of \$21.00 for a written report, if required.

CHAPTER 1: ADMINISTRATION AND ENFORCEMENT

Change - Page 1

Section 101.1 Title: Amend by inserting the words “the City of Pittsburgh” in the designated space.

Section 101.2.1: The City of Pittsburgh adopts in its entirety the provisions of Appendix B FIRE-FLOW REQUIREMENTS FOR BUILDINGS, and Appendix M HIGH-RISE BUILDINGS - RETROACTIVE AUTOMATIC SPRINKLER REQUIREMENT

Change - Page 2

Section 103.1: Delete and replace with the following

103.1 Enforcement: The Fire Code shall be enforced by the Fire Bureau, which shall be operated under the supervision of the Fire Chief, herein after referred to as the Fire Code Official, who may detail duties and responsibilities to such members of the Fire Bureau as necessary.

Sections 103.2 and 103.3: Delete

Changes - Page 4

Section 104.10: Delete the following words from lines 1 and 2: “the fire department or other responsible authority.”

Section 104.10.2: Issuance of Citations: Whenever the Fire Code Official, during the investigation of fires, observes an apparent or actual violation of a provision of this code or other codes or ordinances under the Fire Code Official’s jurisdiction and the Fire Code Official determines that the remedial intent of this code cannot be served, the Fire Code Official may issue citations of violation without complying with the notice requirement is Section 109.2 Notice of Violation(s).

Changes - Page 4

Section 105.1: Add the following section.

105.1.1.1 Permit and Fees: Required permits and fees shall be in accordance with Table 105.1.4.

Section 105.1.7: Add the following section.

105.1.7.1 Permit Fees: Permit fees may be increased each year by the Fire Code Official to reflect increased costs if any to the City.

Change - Page 8

Section 105.6.21: Delete “transport on site”.

Section 105.6.23: Add the following section.

Change - Page 9

Section 105.6.24.1 Torch Applied Roofing: Open flame torches shall not be used for any purposes on any roof of any structure without approval of the Fire Code Official. Fire extinguishers with a minimum 4-A rating or a water hose connected to the water supply shall be placed on the roof within 30 feet of the torch. A competent watchman shall remain on the premises for not less than one hour after the torch or flame producing device is utilized.

Change - Page 12

Section 106.2.1: Add the following section

106.2.1.1 Cancellation Fee: A cancellation fee will be charged if an inspection or test is cancelled with less than 24-hours prior notice by any person other than fire bureau personnel. The fee will be based on the fire bureau’s contractual hourly rates and on comparable inspections or tests.

Change - Page 13

Sections 108.1 to 108.3 inclusive: Delete and replace with the following.

108.1 Means of appeal: Persons, firms, associations, or corporations directly affected by a decision of the Fire Code Official or notice of order issued under this code shall have the right to appeal to the Board of Appeals mandated in the City of Pittsburgh amendments to the International Building Code/2009.

Change - Page 13

Section 109.2: Delete and replace with the following:

109.3 Notice of Violation: Whenever the Fire Code Official observes an apparent or actual violation of a provision of this code or other codes or ordinances under the Fire Code Official's jurisdiction, the Fire Code Official shall prepare a written notice of violation describing the condition deemed unsafe and specifying the time limitations for the required repairs or improvements to be made to render the structure or premises safe and secure, except in limited circumstances within the Fire Code Officials discretion, warranting immediate compliance and action, wherein violation(s) exist that are severe and substantial dangers to public safety, including, but not limited to, exceeding occupancy load and locked fire exits in public places. In these limited circumstances, described herein, a citation for the violation(s) may be issued immediately thereto by the Fire Code Official

Section 109.4.1: Add the following section:

109.4.1.2 Time Limits for Corrections: All violations shall be corrected or remedied within a period of 10 days, unless a greater or lesser time period is otherwise specified by the Fire Code Official.

109.4: Delete and replace with the following:

109.4 Penalty for Violations: Any persons, firm, association, or corporation violating any provisions of this code or failing to comply with any order issued pursuant to any section thereof, or failing to comply with any approved permit, document or certificate shall, upon conviction thereof before any Magistrate, be fined not more than \$1,000 and costs for each and every violation of non-compliance, and in default of a payment of such fine and costs shall be imprisoned for not more than 90 days for each offense. The imposition of a penalty shall not excuse the violation or permit it to continue, nor shall the imposition of a penalty be held to bar any other remedies provided by this Title. Each day a violation continues shall constitute a separate offense. In case of firms or associations, the penalty may be imposed upon the partners or members thereof, and in the case of corporations, upon the officers thereof.

CHAPTER 3: GENERAL REQUIREMENTS

Changes - Page 50

Section 304.4: Add the following new section:

304.4 Bailing Presses Required: Suitable bailing presses shall be installed in stores, apartment buildings, factories and similar places where accumulations of paper and waste materials are not removed at least every second day.

Changes - Page 51

Section 307.2: Add the following:

Section 307.2 Permit Required: A permit shall also be obtained from the Allegheny County Health Department.

Changes - Page 56

Section 315: Add the following new sections:

Section 315.4.3 Storage of Firewood: Not more than 768 cubic feet (6 cords) of firewood shall be stored at the exterior of any structure or its premises, not less than 5 feet from the structure or lot line. The stack shall be placed on a masonry, stone or concrete platform at least 12 inches above grade, and be compact and orderly.

CHAPTER 4 EMERGENCY PLANNING AND PREPAREDNESS

Change - Page 57

Section 408: Add the following new sections:

Section 408 City of Pittsburgh All-Hazard Plan

Section 408.1 General: The owner, agent or other person responsible for buildings identified as high-rise buildings in the Building Code listed in Chapter 45, shall be required to prepare and submit for review and approval an "All-Hazard Plan" (hereinafter referred to as "All-Hazard Plan" or "AHP") to the City's Emergency Management Director in accordance with Section 409.3. Any AHP filed shall be in such form(s) and format(s) as is further set forth in this Section. In the event the AHP is amended or updated as a result of an annual review or more frequently on an owner's initiative, a copy of the amended or updated plan shall be filed with the Emergency Management Director within 90 days.

408.2 All-Hazard Plan: An AHP is a written emergency protocol plan for high-rise building occupants to follow in emergency situations that is prepared and maintained in compliance with this Section. The AHP shall set forth protocol for occupants to follow in emergency situations, including but not limited to: a fire, earthquake, hazardous materials spill, civil disturbance/demonstration, criminal or violent behavior, explosion, bomb threat or discovery of a suspicious package/item, inclement weather/flood.

408.3 Safety Drills: Each high-rise building shall exercise its building evacuation plan as set forth in the AHP on a semi-annual basis involving no less than 50% of the building occupants. Once every three years, the building evacuation exercise shall involve 100% of the building occupants in the same

exercise. The other exercise in that year shall test a different aspect of the AHP (i.e., a bomb threat or hazardous materials spill). Each owner or agent will notify the Emergency Management Director a minimum of 15 days before each scheduled drill regarding the date, time, and which component of the AHP will be tested. On an annual basis, the owner shall file with the Emergency Management Director a written report in accordance with Section 405.6 certifying that at least two safety drills have taken place on all occupied floors during the previous year.

CHAPTER 5 FIRE SERVICE FEATURES

Change Page 71

Section 507.3: Delete “an approved method” and replace with “Appendix B”

Change Page 73

Section 510 Emergency Responder Radio Coverage

510.1 Exceptions: Add the following new section

4. New buildings that can demonstrate minimum radio coverage signal strength levels of the Allegheny County Communications Center UHF radio system throughout the interior of the building.
5. New buildings constructed with an area of less than 50,000 square feet and do not contain a basement or extend one or more levels below grade.
6. New buildings that are less than five (5) stories in height that do not contain a basement or extend one or more levels below grade.
7. One and two-family dwellings and townhouses that are built to the International Residential Code (IRC).

CHAPTER 6 BUILDING SERVICES AND SYSTEMS

Change Page 87

Section 607.8.1: Replace #1 with “All fire service elevator keys with the jurisdiction shall be ‘FEO-K1’ type keys in accordance with 2013 ASME A17.1 Section 2.27.8

Section 609 Commercial Kitchen Hoods

Change - Page 89

Section 609: Add the following new section.

610.1 609.2.1 Permit Required: Each system installed, extended, modified, altered or removed from the service shall require a separate permit. All permits shall become invalid if authorized work is not started within 30 days. Permits shall be required as set forth in Section 105.

CHAPTER 8 INTERIOR FINISH, DECORATIVE MATERIALS AND FURNISHINGS

Change - Page 99

Section 806.1.1 Restricted Occupancies

This section shall be maintained in amendments of The City of Pittsburgh Fire Code. In deference to PA House Bill 2149.

CHAPTER 9 FIRE PROTECTION SYSTEMS

Change - Page ~~89~~ 118

Section 906.1: Delete the exception.

CHAPTER 20 AVIATION FACILITES

Change - Page 215

Section 2001.1: Add the following

2001.1.1 City of Pittsburgh. Only items in Chapter 20 which pertains to helistops and heliports apply to new and existing facilities in the City of Pittsburgh.

Change - Page 221

Section 2007 Add the following sentence at the end of the paragraph and add the following sections:

2007.1 Scope. Only helistops will be permitted of building rooftops.

2007.1.1 Permits. Permits for both the construction of new facilities and the operation of new and existing facilities shall be in accordance with Section 105.

2007.1.2 Conformance. All facilities shall conform to the provisions of NFPA 418 “Heliports” and NFPA 403 “Aircraft Rescue and Firefighting Services at Airports” listed in Chapter 47, as amended, for conditions and operations not specifically covered in this CHAPTER.

2007.1.3 Fire Protection Systems. Rooftop facilities, with landing areas serving H-3 or larger helicopters, and ground level facilities, serving H-2 or larger helicopters, shall be provided with the fire protection systems here in after described.

Section 2007.3.1 Add the following section:

1107.3.1 Landing Area Drainage. Landing areas shall be edged in a manner so as to provide the landing area with a storage capacity of the largest aircraft using the facility. The landing area drainage system shall be separate from the building drainage system unless all water, oil and residue passes through an approved ventilated separator of such capacity that it will retain 100% of the fuel and oil capacity of any aircraft using facility. A schedule for the removal, including the method of disposal of fuel, oil, or other combustible accumulation shall be submitted to the Fire Code Official for approval.

Section 2007.4 Add the following sections:

2007.4.1 Sprinklers. Sprinklers shall be installed at the top of the enclosures of stairways exiting rooftop facilities and all enclosed spaces on the roof which are used in conjunction with the facility.

2007.4.2 Fire Alarms. A manual fire alarm box connected to an approved system used to notify the Fire Bureau shall be installed at each point of egress from the facility. A fire alarm system, easily accessible to the fire alarm service, shall be provided at the ground level.

2007.4.3 Means of Egress. At least two approved means of egress from the helicopter facility and roof shall be provided; the means of egress shall be remote from each other and a helicopter facility provided for these operations shall have at least two enclosed stairways.

Section 2007.6: Delete the entire section and replace with the following:

2007.6 Foam Protection. Foam systems designed, installed and maintained in accordance with applicable provisions of Section 904 shall be provided with hose lines supplied from fixed outlets as follows:

1. Capacity of outlets: 100 gallons per minute of foam solution.
2. Hose: Length and diameter compatible with the hydraulic design of the system and capable of applying solution to provide adequate coverage of the critical portions of landing area.
3. Nozzles: Light in weight and capable of discharging foam, dispersed pattern foam or water spray.
4. Automatic Alarm: Provide an automatic fire alarm to indicate foam system operation and to summon the Fire Bureau.
5. Number of outlets:
 - 5.1. Rooftop facilities: 2 outlets minimum, remote from each other with capability to provide coverage of the landing area and adjacent roof.
 - 5.2. Ground facilities: At least one outlet.

Section 2007.8: Delete and replace with the following:

2007.8 Cabinets. Fire extinguishers, foam nozzles, and hose reels shall be kept in weatherproof, above grade cabinets with contents clearly identified.

Section 2007.9, 2007.10, and 2007.11: Add the following sections:

2007.9 Landing Lights. Landing areas shall be lit with aircraft landing lights in accordance with NFPA 70 and Federal Aviation Administration regulations.

2007.10 Landing Approach. Helicopter approaches to landing areas shall be free of overhead wires and unobstructed by adjacent buildings or any other type of structure.

2007.11 Federal Approval. Before operating helicopters from helistops and heliports, approval shall be obtained from the Federal Aviation Administration.

CHAPTER 23 MOTOR FUEL-DISPENSING FACILITIES AND REPAIR GARAGES

Section 2306.2.2: Delete from first line the word Class I

Changes - Page 232

Section 2306.2.3: Delete items 1, 2, and 3.

Section 2306.2.4: Delete and replace heading with the following:

Section 2306.2.4 Above-Grade Tanks Located in Below Grade Vaults

Section 2306.2.4: Delete words “above-grade” from last line.

Section 2306.2.4.1: Delete Class I

CHAPTER 50 HAZARDOUS MATERIALS-GENERAL PROVISIONS

Section 5006 Irritants, Sensitizers and Other Health Hazards

Changes - Page 336

Section 5006: Add the following new section.

5006.1: Permit Required: A permit shall be required for the storage, issue of handling of irritants, sensitizers or other health hazard materials exceeding 1,000 pounds (454 kg) of solids and 100 gallons (38 L) of liquids. Permits shall be required as set forth in Section 105.6.

CHAPTER 56 EXPLOSIVE AND FIREWORKS

Change - Page 362

Section 5601.4: Add the following:

5601.4.1: Persons shall possess a current license to handle explosives or fireworks.

Change - Page 371

Section 5605.1: Delete and replace with the following:

5605.1 General. The manufacture, assembly and testing of explosives and fireworks shall be prohibited.

Exceptions:

1. The hand loading of small arms ammunition prepared for personal use and not offered for resale.
2. The mixing and loading of blasting agents at blasting sites in accordance with NFPA 495
3. The use of binary explosives or phosphoric materials I blasting or pyrotechnic special effects applications in accordance with NFPA 495 or NFPA 126.

Change - Page 371-374

Sections 5605.2-5605.9: Delete in its entirety.

Change - Page 377

Section 5608.3: Add after last sentence.

5608.3: Shall have a Bureau of Alcohol, Tobacco, and Firearms license to handle explosives.

CHAPTER 57 FLAMMABLE AND COMBUSTIBLE LIQUIDS

Change - Page 381

Section 5703.6.2.2: Add the following section:

5703.6.2.2 Secondary Containment All piping connected to underground storage tanks shall have secondary containment.

Change - Page 388

Section 5704.2.9.2.2.1: Delete exceptions 1, 2, 3, 4, and 5

Change - Page 409

Section 5706.1.2: Add the following new section:

5706.1.2 Vehicle Restriction: Cargo tanks and tank vehicles with capacity exceeding 2,000 gallons (7570 l) are prohibited within the Central Business District at any time except between the hours of 1:00 A.M. and 5:00 A.M. This restriction shall not apply to the Penn Lincoln Parkway, the Duquesne Boulevard Underpass, and to the point exchange between that underpass and the Fort Pitt and Fort Duquesne Bridges.

