

HB0285S03 compared with HB0285S02

~~deleted text~~ shows text that was in HB0285S02 but was deleted in HB0285S03.

inserted text shows text that was not in HB0285S02 but was inserted into HB0285S03.

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Representative Brad R. Wilson proposes the following substitute bill:

BUILDING CODE REVIEW AND ADOPTION AMENDMENTS

2015 GENERAL SESSION

STATE OF UTAH

Chief Sponsor: Brad R. Wilson

Senate Sponsor: _____

LONG TITLE

General Description:

This bill modifies and repeals provisions of the State Construction and Fire Codes Act.

Highlighted Provisions:

This bill:

- ▶ modifies the process by which the Legislature adopts new versions of the State Construction Code and the State Fire Code;
- ▶ addresses the ability of state and local entities to adopt a rule or ordinance that is different from the State Construction Code or the State Fire Code;
- ▶ adopts the 2014 National Electrical Code;
- ▶ adds an amendment to the 2014 National Electrical Code that relates to certain circuit breakers;
- ▶ updates a reference to the International Fire Code;

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- ▶ repeals provisions relating to amendments to the International Building Code and the International Residential Code that apply to the City of Farmington; and
- ▶ makes technical and conforming changes.

Money Appropriated in this Bill:

None

Other Special Clauses:

This bill provides a special effective date.

Utah Code Sections Affected:

AMENDS:

15A-1-204, as last amended by Laws of Utah 2014, Chapters 178 and 189

15A-1-403, as enacted by Laws of Utah 2011, Chapter 14

15A-2-103, as last amended by Laws of Utah 2013, Chapters 279 and 297

15A-3-113, as last amended by Laws of Utah 2013, Chapter 297

15A-3-303, as last amended by Laws of Utah 2013, Chapter 297

15A-3-601, as last amended by Laws of Utah 2013, Chapter 297

15A-4-107, as enacted by Laws of Utah 2011, Chapter 14

REPEALS:

15A-4-103, as enacted by Laws of Utah 2011, Chapter 14

15A-4-203, as enacted by Laws of Utah 2011, Chapter 14

Be it enacted by the Legislature of the state of Utah:

Section 1. Section **15A-1-204** is amended to read:

15A-1-204. Adoption of State Construction Code -- Amendments by commission--

Approved codes -- Exemptions.

(1) (a) The State Construction Code is the construction codes adopted with any modifications in accordance with this section that the state and each political subdivision of the state shall follow.

(b) A person shall comply with the applicable provisions of the State Construction Code when:

- (i) new construction is involved; and
- (ii) the owner of an existing building, or the owner's agent, is voluntarily engaged in:

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(A) the repair, renovation, remodeling, alteration, enlargement, rehabilitation, conservation, or reconstruction of the building; or

(B) changing the character or use of the building in a manner that increases the occupancy loads, other demands, or safety risks of the building.

(c) On and after July 1, 2010, the State Construction Code is the State Construction Code in effect on July 1, 2010, until in accordance with this section:

(i) a new State Construction Code is adopted; or

(ii) one or more provisions of the State Construction Code are amended or repealed in accordance with this section.

(d) A provision of the State Construction Code may be applicable:

(i) to the entire state; or

(ii) within a county, city, or town.

(2) (a) The Legislature shall adopt a State Construction Code by enacting legislation that adopts a nationally recognized construction code with any modifications.

(b) Legislation [~~enacted under this Subsection (2)~~] described in Subsection (2)(a) shall state that [~~it~~] the legislation takes effect on the July 1 after the day on which the legislation is enacted, unless otherwise stated in the legislation.

(c) Subject to Subsection [~~(5)~~] (6), a State Construction Code adopted by the Legislature is the State Construction Code until, in accordance with this section, the Legislature adopts a new State Construction Code by:

(i) adopting ~~{}a~~ an entirely new State Construction Code ~~{}in its entirety~~; or

(ii) amending or repealing one or more provisions of the State Construction Code.

(3) (a) Except as provided in Subsection (3)(b), for each update of a nationally recognized construction code, the commission shall prepare a report ~~described in~~ described ~~in~~ in ~~accordance with~~ Subsection (4).

(b) For the provisions of a nationally recognized construction code that apply only to ~~residential buildings~~ detached one- and two-family dwellings and townhouses not more than three stories above grade plane in height with separate means of egress and their accessory structures, the commission shall prepare a report described in Subsection (4) in ~~2018~~ 2015 and, thereafter, for every second update of the nationally recognized construction code.

(4) (a) By ~~July~~ September 1 of the year in which ~~the~~ an update described in

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Subsection (3) is published, the commission shall prepare and submit a report ~~{to present}~~ to the Business and Labor Interim Committee that:

(i) states whether the commission recommends the Legislature adopt the update with any modifications; and

(ii) describes the costs and benefits of each recommended change in the update or in any modification.

(b) After the Business and Labor Interim Committee receives the report described in Subsection (4)(a), the Business and Labor Interim Committee shall:

(i) study the recommendations ~~{in the report}~~ during the ~~{following interim}~~.

~~(c) If, after the study period described in Subsection (4)(b), remainder of the interim,~~
and

(ii) if the Business and Labor Interim Committee decides to recommend legislative action to the Legislature, ~~{the Business and Labor Interim Committee shall}~~ prepare legislation for consideration by the Legislature in the next general session ~~{that, if passed, would adopt a new State Construction Code}~~.

~~[(3)]~~ (5) (a) (i) The commission shall ~~{}~~ by no later than November 30 of each year in which the commission is not required to submit a report ~~{under}~~ described in Subsection (4), recommend in a report to the Business and Labor Interim Committee whether the Legislature should ~~[-(i)]~~ amend or repeal one or more provisions of [a] the State Construction Code ~~[-or]~~.

~~[(ii) in a year of a regularly scheduled update of a nationally recognized code, adopt a construction code with any modifications.]~~

(ii) As part of a recommendation described in Subsection (5)(a)(i), the commission shall describe the costs and benefits of each proposed amendment or repeal.

(b) The commission may recommend legislative action related to the State Construction Code:

(i) on its own initiative;

(ii) upon the recommendation of the division; or

(iii) upon the receipt of a request by one of the following that the commission

recommend legislative action related to the State Construction Code:

(A) a local regulator;

(B) a state regulator;

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- (C) a state agency involved with the construction and design of a building;
- (D) the Construction Services Commission;
- (E) the Electrician Licensing Board;
- (F) the Plumbers Licensing Board; or
- (G) a recognized construction-related association.

~~[(4)]~~ (c) If the Business and Labor Interim Committee decides to recommend legislative action to the Legislature, the Business and Labor Interim Committee shall prepare legislation for consideration by the Legislature in the next general session ~~[that, if passed {} by the Legislature {}, would:]~~

~~[(5)]~~ ~~[(a)]~~ ~~adopt a new State Construction Code in its entirety; or {}]~~

~~[(b)]~~ ~~{} amend or repeal one or more provisions of the State Construction Code.]~~

~~[(5)]~~ (6) (a) Notwithstanding ~~[Subsection (3)]~~ the provisions of this section, the commission may, in accordance with Title 63G, Chapter 3, Utah Administrative Rulemaking Act, amend the State Construction Code if the commission determines that waiting for legislative action in the next general legislative session would:

- (i) cause an imminent peril to the public health, safety, or welfare; or
- (ii) place a person in violation of federal or other state law.

(b) If the commission amends the State Construction Code in accordance with this Subsection ~~[(5)]~~ (6), the commission shall file with the division:

- (i) the text of the amendment to the State Construction Code; and
- (ii) an analysis that includes the specific reasons and justifications for the commission's findings.

(c) If the State Construction Code is amended under this Subsection ~~[(5)]~~ (6), the division shall:

- (i) publish the amendment to the State Construction Code in accordance with Section 15A-1-205; and

- (ii) notify the Business and Labor Interim Committee of the amendment to the State Construction Code, including a copy of the commission's analysis described in Subsection ~~[(5)]~~ (6)(b).

(d) If not formally adopted by the Legislature at ~~[its]~~ the next annual general session, an amendment to the State Construction Code under this Subsection ~~[(5)]~~ (6) is repealed on the

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July 1 immediately following the next annual general session that follows the adoption of the amendment.

~~[(6)]~~ (7) (a) The division, in consultation with the commission, may approve, without adopting, one or more approved codes, including a specific edition of a construction code, for use by a compliance agency.

(b) If the code adopted by a compliance agency is an approved code described in Subsection ~~[(6)]~~ (7)(a), the compliance agency may:

- (i) adopt an ordinance requiring removal, demolition, or repair of a building;
- (ii) adopt, by ordinance or rule, a dangerous building code; or
- (iii) adopt, by ordinance or rule, a building rehabilitation code.

(8) Except as provided in Subsections (6) and (7), a compliance agency may not adopt a rule or ordinance that has the effect of changing the requirements of the State Construction Code.

~~[(7)]~~ (9) (a) Except as provided in Subsection ~~[(7)]~~ (9)(b), a structure used solely in conjunction with agriculture use, and not for human occupancy, is exempt from the permit requirements of the State Construction Code.

(b) (i) Unless exempted by a provision other than Subsection ~~[(7)]~~ (9)(a), a plumbing, electrical, and mechanical permit may be required when that work is included in a structure described in Subsection ~~[(7)]~~ (9)(a).

(ii) Unless located in whole or in part in an agricultural protection area created under Title 17, Chapter 41, Agriculture and Industrial Protection Areas, a structure described in Subsection ~~[(7)]~~ (9)(a) is not exempt from a permit requirement if the structure is located on land that is:

- (A) within the boundaries of a city or town, and less than five contiguous acres; or
- (B) within a subdivision for which the county has approved a subdivision plat under

Title 17, Chapter 27a, Part 6, Subdivisions, and less than two contiguous acres.

~~[(8)]~~ (10) A structure that is no more than 1,000 square feet and is used solely for the type of sales described in Subsection 59-12-104(20) is exempt from the permit requirements described in:

- (a) Chapter 2, Adoption of State Construction Code;
- (b) Chapter 3, Statewide Amendments Incorporated as Part of State Construction

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Code; and

(c) Chapter 4, Local Amendments Incorporated as Part of State Construction Code.

Section 2. Section **15A-1-403** is amended to read:

15A-1-403. Adoption of State Fire Code.

(1) (a) The State Fire Code is:

(i) a code promulgated by a nationally recognized code authority that is adopted by the Legislature under this section with any modifications; and

(ii) a code to which cities, counties, fire protection districts, and the state shall adhere in safeguarding life and property from the hazards of fire and explosion.

(b) On and after July 1, 2010, the State Fire Code is the State Fire Code in effect on July 1, 2010, until in accordance with this section:

(i) a new State Fire Code is adopted; or

(ii) one or more provisions of the State Fire Code are amended or repealed in accordance with this section.

(c) A provision of the State Fire Code may be applicable:

(i) to the entire state; or

(ii) within a city, county, or fire protection district.

(2) (a) The Legislature shall adopt a State Fire Code by enacting legislation that adopts a nationally recognized fire code with any modifications.

(b) Legislation ~~[enacted under this]~~ described in Subsection (2)(a) shall state that [it] the legislation takes effect on the July 1 after the day on which the legislation is enacted, unless otherwise stated in the legislation.

(c) Subject to Subsection ~~[(5)]~~ (6), a State Fire Code adopted by the Legislature is the State Fire Code until in accordance with this section the Legislature adopts a new State Fire Code by:

(i) adopting ~~{}~~ a ~~{}~~ an entirely new State Fire Code ~~{}~~ in its entirety ~~{}~~; or

(ii) amending or repealing one or more provisions of the State Fire Code.

(3) (a) Except as provided in Subsection (3)(b), for each update of a nationally recognized fire code, the board shall prepare a report ~~described in~~ described in ~~{}~~ accordance with Subsection (4).

(b) For the provisions of a nationally recognized fire code that apply only to

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~~residential buildings~~ detached one- and two-family dwellings and townhouses not more than three stories above grade plane in height with separate means of egress and their accessory structures, the board shall prepare a report described in Subsection (4) in ~~2018~~ 2015 and, thereafter, for every second update of the nationally recognized fire code.

(4) (a) By ~~July~~ September 1 of the year in which ~~the~~ an update described in Subsection (3) is published, the board shall prepare and submit a report ~~to present~~ to the Business and Labor Interim Committee that:

(i) states whether the board recommends the Legislature adopt the update with any modifications; and

(ii) describes the costs and benefits of each recommended change in the update or in any modification.

(b) After the Business and Labor Interim Committee receives the report described in Subsection (4)(a), the Business and Labor Interim Committee shall:

(i) study the recommendations ~~in the report~~ during the ~~following interim.~~

~~(c) If, after the study period described in Subsection (4)(b),~~ remainder of the interim;
and

(ii) if the Business and Labor Interim Committee decides to recommend legislative action to the Legislature, ~~the Business and Labor Interim Committee shall~~ prepare legislation for consideration by the Legislature in the next general session ~~that, if passed, would adopt a new State Fire Code.~~

~~(3)~~ (5) (a) (i) The board shall, by no later than November 30 of each year in which the board is not required to submit a report ~~under~~ described in Subsection (4), recommend in a report to the Business and Labor Interim Committee whether the Legislature should ~~(i)~~ amend or repeal one or more provisions of the State Fire Code ~~or~~.

~~(ii) in a year of a regularly scheduled update of a nationally recognized fire code, adopt with any modifications the nationally recognized fire code.]~~

(ii) As part of a recommendation described in Subsection (5)(a)(i), the board shall describe the costs and benefits of each proposed amendment or repeal.

(b) The board may recommend legislative action related to the State Fire Code:

(i) on its own initiative; or

(ii) upon the receipt of a request by a city, county, or fire protection district that the

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board recommend legislative action related to the State Fire Code.

(c) Within 45 days after ~~[receipt of]~~ the day on which the board receives a request under Subsection ~~[(3)]~~ (5)(b), the board shall direct the division to convene an informal hearing concerning the request.

(d) The board shall conduct a hearing under this section in accordance with the rules of the board.

(e) The board shall decide whether to include the request in the report ~~[required under]~~ described in Subsection ~~[(3)]~~ (5)(a) ~~[whether to recommend the legislative action raised by a request]~~.

(f) (i) ~~Within 15 days [following the completion of a hearing of the board under this Subsection (3), the board]~~ after the day on which the board conducts a hearing, the board shall direct the division to notify the entity that made the request of the board's decision regarding the request.

(ii) The division shall provide the notice:

~~[(i)]~~ (A) in writing; and

~~[(ii)]~~ (B) in a form prescribed by the board.

~~[(4)]~~ (g) If the Business and Labor Interim Committee decides to recommend legislative action to the Legislature, the Business and Labor Interim Committee shall prepare legislation for consideration by the Legislature in the next general session that, if passed by the Legislature, would ~~[(a) adopt a new State Fire Code in its entirety; or (b)]~~ amend or repeal one or more provisions of the State Fire Code.

~~[(5)]~~ (6) (a) Notwithstanding ~~[Subsection (3)]~~ the provisions of this section, the board may, in accordance with Title 63G, Chapter 3, Utah Administrative Rulemaking Act, amend a State Fire Code if the board determines that waiting for legislative action in the next general legislative session would:

(i) cause an imminent peril to the public health, safety, or welfare; or

(ii) place a person in violation of federal or other state law.

(b) If the board amends a State Fire Code in accordance with this Subsection ~~[(5)]~~ (6), the board shall:

(i) publish the State Fire Code with the amendment; and

(ii) notify the Business and Labor Interim Committee of the adoption, including a copy

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of an analysis by the board identifying specific reasons and justifications for its findings.

(c) If not formally adopted by the Legislature at [its] ~~the~~ Legislature's next annual general session, an amendment to a State Fire Code adopted under this Subsection ~~[(5)]~~ (6) is repealed on the July 1 immediately following the next annual general session that follows the adoption of the amendment.

~~[(6)]~~ (7) (a) [A] Except as provided in Subsection (7)(b), a legislative body of a political subdivision may not enact an ordinance in the political subdivision's fire code that is more restrictive ~~[in its fire code requirements]~~ than the State Fire Code ~~[(7)]~~ [(7)]

~~[(7)]~~ (i) in order to meet a public safety need of the political subdivision; and ~~[(7)]~~

~~[(7)]~~ (ii) subject to the requirements of [this] Subsection ~~[(6)]~~

~~[(b)]~~ [(6)] (7)(c).

(b) A legislative body of a political subdivision may not enact an ordinance in the political subdivision's fire code that:

(i) is more restrictive than the State Fire Code; and

(ii) applies to detached one- and two-family dwellings and townhouses not more than three stories above grade plane in height with a separate means of egress and their accessory structures.

~~[(b)]~~ (c) A legislative body of a political subdivision that enacts an ordinance under ~~[this section on or after July 1, 2010]~~ Subsection (7)(a) shall: ~~[(7)]~~

~~[(7)]~~ (i) notify the board in writing at least 30 days before the day on which the legislative body enacts the ordinance and include in the notice a statement as to the proposed subject matter of the ordinance; and ~~[(7)]~~

~~[(7)]~~ (ii) after the legislative body enacts the ordinance, report to the board before the board makes the report required under Subsection ~~[(6)(c)]~~ (7)(d), including providing the board: ~~[(7)]~~

~~[(7)]~~ (A) a copy of the ordinance enacted under this Subsection ~~[(6)]~~ (7); and ~~[(7)]~~

~~[(7)]~~ (B) a description of the public safety need that is the basis of enacting the ordinance. ~~[(7)]~~

~~[(e)]~~ (d) The board shall submit to the Business and Labor Interim Committee each year with the recommendations submitted in accordance with Subsection ~~[(3)]~~ [(3)] ~~[(4)]~~ (4):

~~[(7)]~~ (i) a list of the ordinances enacted under this Subsection ~~[(6)]~~ (7) during the fiscal

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year immediately proceeding the report; and ~~ff~~

~~ff~~(ii) recommendations, if any, for legislative action related to an ordinance enacted under this Subsection ~~[(6) f.]~~ (7).

~~(d)~~ (e) (i) The state fire marshal shall keep an indexed copy of an ordinance enacted under this Subsection ~~[(6) f.]~~ (7).

~~ff~~(ii) The state fire marshal shall make a copy of an ordinance enacted under this Subsection ~~[(6) f.]~~ (7) available on request. ~~ff~~

~~(e)~~ (f) The board may make rules in accordance with Title 63G, Chapter 3, Utah Administrative Rulemaking Act, to establish procedures for a legislative body of a political subdivision to follow to provide the notice and report required under this Subsection ~~[(6) f.]~~ (7).

~~(b) 8)~~ Except as otherwise provided in this chapter, a state agency may not adopt a rule that:

(a) has the effect of changing ~~the requirements~~ a requirement of the State Fire Code; and

(b) applies to detached one- and two-family dwellings and townhouses not more than three stories above grade plane in height with a separate means of egress and their accessory structures.

Section 3. Section **15A-2-103** is amended to read:

15A-2-103. Specific editions adopted of construction code of a nationally recognized code authority.

(1) Subject to the other provisions of this part, the following construction codes are incorporated by reference, and together with the amendments specified in Chapter 3, Statewide Amendments ~~[to International Plumbing Code]~~ Incorporated as Part of State Construction Code, and Chapter 4, Local Amendments Incorporated as Part of State Construction Code, are the construction standards to be applied to building construction, alteration, remodeling, and repair, and in the regulation of building construction, alteration, remodeling, and repair in the state:

(a) the 2012 edition of the International Building Code, including Appendix J, issued by the International Code Council;

(b) the 2012 edition of the International Residential Code, issued by the International

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Code Council;

(c) the 2012 edition of the International Plumbing Code, issued by the International Code Council;

(d) the 2012 edition of the International Mechanical Code, issued by the International Code Council;

(e) the 2012 edition of the International Fuel Gas Code, issued by the International Code Council;

(f) the ~~[2011]~~ 2014 edition of the National Electrical Code, issued by the National Fire Protection Association;

(g) the 2012 edition of the International Energy Conservation Code, issued by the International Code Council;

(h) subject to Subsection 15A-2-104(2), the HUD Code;

(i) subject to Subsection 15A-2-104(1), Appendix E of the 2012 edition of the International Residential Code, issued by the International Code Council; and

(j) subject to Subsection 15A-2-104(1), the 2005 edition of the NFPA 225 Model Manufactured Home Installation Standard, issued by the National Fire Protection Association.

(2) Consistent with Title 65A, Chapter 8, Management of Forest Lands and Fire Control, the Legislature adopts the 2006 edition of the Utah Wildland Urban Interface Code, issued by the International Code Council, with the alternatives or amendments approved by the Utah Division of Forestry, as a construction code that may be adopted by a local compliance agency by local ordinance or other similar action as a local amendment to the codes listed in this section.

Section 4. Section **15A-3-113** is amended to read:

15A-3-113. Amendments to Chapters 32 through 35 of IBC.

(1) A new section IBC, Section 3401.7, is added as follows: "3401.7 Parapet bracing, wall anchors, and other appendages. Until June 30, 2014, a building constructed before 1975 shall have parapet bracing, wall anchors, and appendages such as cornices, spires, towers, tanks, signs, statuary, etc. evaluated by a licensed engineer when the building is undergoing structural alterations, which may include structural sheathing replacement of 10% or greater, or other structural repairs. Reroofing or water membrane replacement may not be considered a structural alteration or repair for purposes of this section. Beginning July 1, 2014, a building

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constructed before 1975 shall have parapet bracing, wall anchors, and appendages such as cornices, spires, towers, tanks, signs, statuary, etc. evaluated by a licensed engineer when the building is undergoing a total reroofing. Parapet bracing, wall anchors, and appendages required by this section shall be evaluated in accordance with 75% of the seismic forces as specified in Section 1613. When allowed by the local building official, alternate methods of equivalent strength as referenced in an approved code under Utah Code, Subsection 15A-1-204~~(6)~~(7)(a), will be considered when accompanied by engineer-sealed drawings, details, and calculations. When found to be deficient because of design or deteriorated condition, the engineer's recommendations to anchor, brace, reinforce, or remove the deficient feature shall be implemented.

Exceptions:

1. Group R-3 and U occupancies.
2. Unreinforced masonry parapets need not be braced according to the above stated provisions provided that the maximum height of an unreinforced masonry parapet above the level of the diaphragm tension anchors or above the parapet braces shall not exceed one and one-half times the thickness of the parapet wall. The parapet height may be a maximum of two and one-half times its thickness in other than Seismic Design Categories D, E, or F."

(2) IBC, Section 3408.4, is deleted and replaced with the following: "3408.4 Seismic. When a change in occupancy results in a structure being reclassified to a higher Risk Category (as defined in Table 1604.5), or when such change of occupancy results in a design occupant load increase of 100% or more, the structure shall conform to the seismic requirements for a new structure.

Exceptions:

1. Specific seismic detailing requirements of this code or ASCE 7 for a new structure shall not be required to be met where it can be shown that the level of performance and seismic safety is equivalent to that of a new structure. A demonstration of equivalence analysis shall consider the regularity, overstrength, redundancy, and ductility of the structure. Alternatively, the building official may allow the structure to be upgraded in accordance with referenced sections as found in an approved code under Utah Code, Subsection 15A-1-204~~(6)~~(7)(a).
2. When a change of use results in a structure being reclassified from Risk Category I or II to Risk Category III and the structure is located in a seismic map area where SDS is less than

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0.33, compliance with the seismic requirements of this code and ASCE 7 are not required.

3. Where design occupant load increase is less than 25 occupants and the Risk Category does not change."

(3) In IBC, Chapter 35, the referenced standard ICCA117.1-09, Section 606.2, Exception 1 is modified to include the following sentence at the end of the exception:

"The minimum clear floor space shall be centered on the sink assembly."

(4) The following referenced standard is added under UL in IBC, Chapter 35:

"Number	Title	Referenced in code section number
2034-2008	Standard of Single- and Multiple-station Carbon Monoxide Alarms	907.9"

Section 5. Section **15A-3-303** is amended to read:

15A-3-303. Amendments to Chapter 3 of IPC.

(1) In IPC, Section 303.4, the following exception is added:

"Exception: Third-party certification for backflow prevention assemblies will consist of any combination of two certifications, laboratory or field. Acceptable third party laboratory certifying agencies are ASSE, IAPMO, and USC-FCCCHR. USC-FCCCHR currently provides the only field testing of backflow protection assemblies. Also see www.drinkingwater.utah.gov and Division of Drinking Water Rule, Utah Administrative Code, R309-305-6."

(2) IPC, Section 304.3, Meter Boxes, is deleted.

(3) IPC, Section 311.1, is deleted.

(4) In IPC, Section 312.3, the following is added at the end of the paragraph:

"Where water is not available at the construction site or where freezing conditions limit the use of water on the construction site, plastic drainage and vent pipe may be permitted to be tested with air. The following procedures shall be followed:

1. Contractor shall recognize that plastic is extremely brittle at lower temperatures and can explode, causing serious injury or death.
2. Contractor assumes all liability for injury or death to persons or damage to property or for claims for labor and/or material arising from any alleged failure of the system during testing

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with air or compressed gasses.

3. Proper personal protective equipment, including safety eyewear and protective headgear, should be worn by all individuals in any area where an air or gas test is being conducted.
4. Contractor shall take all precautions necessary to limit the pressure within the plastic piping.
5. No [~~water supply~~] drain and vent system shall be pressurized in excess of 6 psi as measured by accurate gauges graduated to no more than three times the test pressure.
6. The pressure gauge shall be monitored during the test period, which should not exceed 15 minutes.
7. At the conclusion of the test, the system shall be depressurized gradually, all trapped air or gases should be vented, and test balls and plugs should be removed with caution."

(5) In IPC, Section 312.5, the following is added at the end of the paragraph:

"Where water is not available at the construction site or where freezing conditions limit the use of water on the construction site, plastic water pipes may be permitted to be tested with air. The following procedures shall be followed:

1. Contractor shall recognize that plastic is extremely brittle at lower temperatures and can explode, causing serious injury or death.
2. Contractor assumes all liability for injury or death to persons or damage to property or for claims for labor and/or material arising from any alleged failure of the system during testing with air or compressed gasses.
3. Proper personal protective equipment, including safety eyewear and protective headgear, should be worn by all individuals in any area where an air or gas test is being conducted.
4. Contractor shall take all precautions necessary to limit the pressure within the plastic piping.
5. Water supply systems shall be pressure tested to a minimum of 50 psi but not more than 80 psi as measured by accurate gauges graduated to no more than three times the test pressure.
6. The pressure gauge shall be monitored during the test period, which should not exceed 15 minutes.
7. At the conclusion of the test, the system shall be depressurized gradually, all trapped air or gases should be vented, and test balls and plugs should be removed with caution."

(6) A new IPC, Section 312.10.3, is added as follows: "312.10.3 Tester Qualifications. Testing shall be performed by a Utah Certified Backflow Preventer Assembly Tester in accordance with Utah Administrative Code, R309-305."

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Section 6. Section **15A-3-601** is amended to read:

15A-3-601. General provisions.

The following are adopted as amendments to the NEC to be applicable statewide:

(1) The IRC provisions are adopted as the residential electrical standards applicable to installations applicable under the IRC. All other installations shall comply with the adopted NEC.

~~[(2) In NEC, Section 310.15(B)(7), the second sentence is deleted and replaced with the following: "For application of this section, the main power feeder shall be the feeder(s) between the main disconnect and the panelboard(s)."]~~

(2) In NEC, Section 240.87(B), the following is added as an additional approved equivalent means:

"6. An instantaneous trip function set at or below the available fault current."

Section 7. Section **15A-4-107** is amended to read:

15A-4-107. Amendments to IBC applicable to Sandy City.

The following amendments are adopted as amendments to the IBC for Sandy City:

(1) A new IBC, Section (F)903.2.13, is added as follows: "(F)903.2.13 An automatic sprinkler system shall be installed in accordance with NFPA 13 throughout buildings containing all occupancies where fire flow exceeds 2,000 gallons per minute, based on Table B105.1 of the [2009] 2012 International Fire Code. Exempt locations as indicated in Section 903.3.1.1.1 are allowed.

Exception: Automatic fire sprinklers are not required in buildings used solely for worship, Group R Division 3, Group U occupancies and buildings complying with the International Residential Code unless otherwise required by the International Fire Code.

(2) A new IBC, Appendix L, is added and adopted as follows: "Appendix L
BUILDINGS AND STRUCTURES CONSTRUCTED IN AREAS DESIGNATED AS
WILDLAND-URBAN INTERFACE AREAS

AL 101.1 General. Buildings and structures constructed in areas designated as Wildland-Urban Interface Areas by Sandy City shall be constructed using ignition resistant construction as determined by the Fire Marshal. Section 502 of the 2006 International Wildland-Urban Interface Code (IWUIC), as promulgated by the International Code Council, shall be used to determine Fire Hazard Severity. The provisions listed in Chapter 5 of the 2006 International

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Wildland-Urban Interface Code, as modified herein, shall be used to determine the requirements for Ignition Resistant Construction.

(i) In Section 504 of the IWUIC Class I IGNITION-RESISTANT CONSTRUCTION a new Section 504.1.1 is added as follows: "504.1.1 General. Subsections 504.5, 504.6, and 504.7 shall only be required on the exposure side of the structure, as determined by the Fire Marshal, where defensible space is less than 50 feet as defined in Section 603 of the 2006 International Wildland-Urban Interface Code.

(ii) In Section 505 of the IWUIC Class 2 IGNITION-RESISTANT CONSTRUCTION Subsections 505.5 and 505.7 are deleted."

Section 8. **Repealer.**

This bill repeals:

Section **15A-4-103, Amendments to IBC applicable to City of Farmington.**

Section **15A-4-203, Amendments to IRC applicable to City of Farmington.**

Section 9. **Effective date.**

~~{(1) Except as provided in Subsection (2), this}~~ **This** bill takes effect on ~~{May 12, 2015.~~

~~———— (2) The actions affecting the following sections take effect on }July 1, {2016:~~

~~———— (a) Section 15A-1-204; and~~

~~———— (b) Section 15A-1-403} **2015.**~~