

BUILDING CODE REVIEW AND ADOPTION AMENDMENTS

2016 GENERAL SESSION

STATE OF UTAH

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;
- ▶ 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 2015, Chapter 258

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

33 **15A-4-107**, as enacted by Laws of Utah 2011, Chapter 14

34 REPEALS:

35 **15A-4-103**, as enacted by Laws of Utah 2011, Chapter 14

36 **15A-4-203**, as enacted by Laws of Utah 2011, Chapter 14

37

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

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

40 **15A-1-204. Adoption of State Construction Code -- Amendments by commission--**
41 **Approved codes -- Exemptions.**

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

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

47 (i) new construction is involved; and

48 (ii) the owner of an existing building, or the owner's agent, is voluntarily engaged in:

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

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

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

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

56 (ii) one or more provisions of the State Construction Code are amended or repealed in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

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

59 (i) to the entire state; or

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

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

63 (b) Legislation [~~enacted under this Subsection (2)~~] described in Subsection (2)(a) shall

64 state that [it] the legislation takes effect on the July 1 after the day on which the legislation is
65 enacted, unless otherwise stated in the legislation.

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

69 (i) adopting a new State Construction Code in its entirety; or

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

71 (3) (a) Except as provided in Subsection (3)(b), for each update of a nationally
72 recognized construction code, the commission shall prepare a report described in Subsection
73 (4).

74 (b) For the provisions of a nationally recognized construction code that apply only to
75 detached one- and two-family dwellings and townhouses not more than three stories above
76 grade plane in height with separate means of egress and their accessory structures, the
77 commission shall:

78 (i) prepare a report described in Subsection (4) in 2021 and, thereafter, for every
79 second update of the nationally recognized construction code; and

80 (ii) not prepare a report described in Subsection (4) in 2018.

81 (4) (a) In accordance with Subsection (3), on or before September 1 of the same year as
82 the year designated in the title of a nationally-recognized construction code, the commission
83 shall prepare and submit a report to the Business and Labor Interim Committee that:

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

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

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

90 (i) study the recommendations during the remainder of the interim; and

91 (ii) if the Business and Labor Interim Committee decides to recommend legislative
92 action to the Legislature, prepare legislation for consideration by the Legislature in the next
93 general session.

94 [~~(3)~~] (5) (a) (i) The commission shall by no later than November 30 of each year in

95 which the commission is not required to submit a report described in Subsection (4),
 96 recommend in a report to the Business and Labor Interim Committee whether the Legislature
 97 should~~[(i)]~~ amend or repeal one or more provisions of [a] the State Construction Code~~[; or].~~
 98 ~~[(ii) in a year of a regularly scheduled update of a nationally recognized code, adopt a~~
 99 ~~construction code with any modifications.]~~

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

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

104 (i) on its own initiative;

105 (ii) upon the recommendation of the division; or

106 (iii) upon the receipt of a request by one of the following that the commission
 107 recommend legislative action related to the State Construction Code:

108 (A) a local regulator;

109 (B) a state regulator;

110 (C) a state agency involved with the construction and design of a building;

111 (D) the Construction Services Commission;

112 (E) the Electrician Licensing Board;

113 (F) the Plumbers Licensing Board; or

114 (G) a recognized construction-related association.

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

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

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

121 ~~[(5)]~~ (6) (a) Notwithstanding ~~[Subsection (3)]~~ the provisions of this section, the
 122 commission may, in accordance with Title 63G, Chapter 3, Utah Administrative Rulemaking
 123 Act, amend the State Construction Code if the commission determines that waiting for
 124 legislative action in the next general legislative session would:

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

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

127 (b) If the commission amends the State Construction Code in accordance with this

128 Subsection ~~[(5)]~~ (6), the commission shall file with the division:

129 (i) the text of the amendment to the State Construction Code; and

130 (ii) an analysis that includes the specific reasons and justifications for the commission's
131 findings.

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

134 (i) publish the amendment to the State Construction Code in accordance with Section
135 15A-1-205; and

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

139 (d) If not formally adopted by the Legislature at ~~[its]~~ the next annual general session,
140 an amendment to the State Construction Code under this Subsection ~~[(5)]~~ (6) is repealed on the
141 July 1 immediately following the next annual general session that follows the adoption of the
142 amendment.

143 ~~[(6)]~~ (7) (a) The division, in consultation with the commission, may approve, without
144 adopting, one or more approved codes, including a specific edition of a construction code, for
145 use by a compliance agency.

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

148 (i) adopt an ordinance requiring removal, demolition, or repair of a building;

149 (ii) adopt, by ordinance or rule, a dangerous building code; or

150 (iii) adopt, by ordinance or rule, a building rehabilitation code.

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

154 ~~[(7)]~~ (9) (a) Except as provided in Subsection ~~[(7)]~~ (9)(b), a structure used solely in
155 conjunction with agriculture use, and not for human occupancy, is exempt from the permit
156 requirements of the State Construction Code.

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

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

164 (A) within the boundaries of a city or town, and less than five contiguous acres; or

165 (B) within a subdivision for which the county has approved a subdivision plat under
166 Title 17, Chapter 27a, Part 6, Subdivisions, and less than two contiguous acres.

167 ~~[(8)]~~ (10) A structure that is no more than 1,000 square feet and is used solely for the
168 type of sales described in Subsection 59-12-104(20) is exempt from the permit requirements
169 described in:

170 (a) Chapter 2, Adoption of State Construction Code;

171 (b) Chapter 3, Statewide Amendments Incorporated as Part of State Construction
172 Code; and

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

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

175 **15A-1-403. Adoption of State Fire Code.**

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

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

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

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

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

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

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

187 (i) to the entire state; or

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

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

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

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

197 (i) adopting a new State Fire Code in its entirety; or

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

199 (3) (a) Except as provided in Subsection (3)(b), for each update of a nationally
200 recognized fire code, the board shall prepare a report described in Subsection (4).

201 (b) For the provisions of a nationally recognized fire code that apply only to detached
202 one- and two-family dwellings and townhouses not more than three stories above grade plane
203 in height with separate means of egress and their accessory structures, the board shall:

204 (i) prepare a report described in Subsection (4) in 2021 and, thereafter, for every
205 second update of the nationally recognized fire code; and

206 (i) not prepare a report described in Subsection (4) in 2018.

207 (4) (a) In accordance with Subsection (3), on or before September 1 of the same year as
208 the year designated in the title of an update of a nationally-recognized fire code, the board shall
209 prepare and submit a report to the Business and Labor Interim Committee that:

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

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

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

216 (i) study the recommendations during the remainder of the interim; and

217 (ii) if the Business and Labor Interim Committee decides to recommend legislative
218 action to the Legislature, prepare legislation for consideration by the Legislature in the next

219 general session.

220 ~~[(3)]~~ (5) (a) (i) The board shall, by no later than November 30 of each year in which the
221 board is not required to submit a report described in Subsection (4), recommend in a report to
222 the Business and Labor Interim Committee whether the Legislature should~~[-(i)]~~ amend or
223 repeal one or more provisions of the State Fire Code~~[-or]~~.

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

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

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

229 (i) on its own initiative; or

230 (ii) upon the receipt of a request by a city, county, or fire protection district that the
231 board recommend legislative action related to the State Fire Code.

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

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

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

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

244 (ii) The division shall provide the notice:

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

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

247 ~~[(4)]~~ (g) If the Business and Labor Interim Committee decides to recommend
248 legislative action to the Legislature, the Business and Labor Interim Committee shall prepare
249 legislation for consideration by the Legislature in the next general session that, if passed by the

250 Legislature, would ~~[(a) adopt a new State Fire Code in its entirety; or (b)]~~ amend or repeal one
 251 or more provisions of the State Fire Code.

252 ~~[(5)] (6)~~ (a) Notwithstanding ~~[Subsection (3)]~~ the provisions of this section, the board
 253 may, in accordance with Title 63G, Chapter 3, Utah Administrative Rulemaking Act, amend a
 254 State Fire Code if the board determines that waiting for legislative action in the next general
 255 legislative session would:

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

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

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

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

261 (ii) notify the Business and Labor Interim Committee of the adoption, including a copy
 262 of an analysis by the board identifying specific reasons and justifications for its findings.

263 (c) If not formally adopted by the Legislature at ~~[its]~~ the next annual general session, an
 264 amendment to a State Fire Code adopted under this Subsection ~~[(5)] (6)~~ is repealed on the July
 265 1 immediately following the next annual general session that follows the adoption of the
 266 amendment.

267 ~~[(6)] (7)~~ (a) ~~[A]~~ Except as provided in Subsection (7)(b), a legislative body of a
 268 political subdivision may not enact an ordinance in the political subdivision's fire code that is
 269 more restrictive ~~[in its fire code requirements]~~ than the State Fire Code:

270 (i) in order to meet a public safety need of the political subdivision; and

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

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

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

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

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

280 (i) notify the board in writing at least 30 days before the day on which the legislative

281 body enacts the ordinance and include in the notice a statement as to the proposed subject
 282 matter of the ordinance; and

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

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

286 (B) a description of the public safety need that is the basis of enacting the ordinance.

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

289 (i) a list of the ordinances enacted under this Subsection [~~(6)~~] (7) during the fiscal year
 290 immediately proceeding the report; and

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

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

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

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

300 (8) A state agency may not adopt a rule that:

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

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

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

306 **15A-2-103. Specific editions adopted of construction code of a nationally**
 307 **recognized code authority.**

308 (1) Subject to the other provisions of this part, the following construction codes are
 309 incorporated by reference, and together with the amendments specified in Chapter 3, [~~Part 3,~~]
 310 Statewide Amendments [to International Plumbing Code] Incorporated as Part of State
 311 Construction Code, and Chapter 4, Local Amendments Incorporated as Part of State

312 Construction Code, are the construction standards to be applied to building construction,
313 alteration, remodeling, and repair, and in the regulation of building construction, alteration,
314 remodeling, and repair in the state:

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

317 (b) the 2012 edition of the International Residential Code, issued by the International
318 Code Council;

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

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

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

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

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

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

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

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

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

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

341 **15A-3-113. Amendments to Chapters 32 through 35 of IBC.**

342 (1) A new section IBC, Section 3401.7, is added as follows: "3401.7 Parapet bracing,

343 wall anchors, and other appendages. Until June 30, 2014, a building constructed before 1975
344 shall have parapet bracing, wall anchors, and appendages such as cornices, spires, towers,
345 tanks, signs, statuary, etc. evaluated by a licensed engineer when the building is undergoing
346 structural alterations, which may include structural sheathing replacement of 10% or greater, or
347 other structural repairs. Reroofing or water membrane replacement may not be considered a
348 structural alteration or repair for purposes of this section. Beginning July 1, 2014, a building
349 constructed before 1975 shall have parapet bracing, wall anchors, and appendages such as
350 cornices, spires, towers, tanks, signs, statuary, etc. evaluated by a licensed engineer when the
351 building is undergoing a total reroofing. Parapet bracing, wall anchors, and appendages
352 required by this section shall be evaluated in accordance with 75% of the seismic forces as
353 specified in Section 1613. When allowed by the local building official, alternate methods of
354 equivalent strength as referenced in an approved code under Utah Code, Subsection
355 15A-1-204[(6)](7)(a), will be considered when accompanied by engineer-sealed drawings,
356 details, and calculations. When found to be deficient because of design or deteriorated
357 condition, the engineer's recommendations to anchor, brace, reinforce, or remove the deficient
358 feature shall be implemented.

359 Exceptions:

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

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

371 Exceptions:

- 372 1. Specific seismic detailing requirements of this code or ASCE 7 for a new structure shall not
373 be required to be met where it can be shown that the level of performance and seismic safety is

374 equivalent to that of a new structure. A demonstration of equivalence analysis shall consider
 375 the regularity, overstrength, redundancy, and ductility of the structure. Alternatively, the
 376 building official may allow the structure to be upgraded in accordance with referenced sections
 377 as found in an approved code under Utah Code, Subsection 15A-1-204[(6)](7)(a).

378 2. When a change of use results in a structure being reclassified from Risk Category I or II to
 379 Risk Category III and the structure is located in a seismic map area where SDS is less than
 380 0.33, compliance with the seismic requirements of this code and ASCE 7 are not required.

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

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

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

386 (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"

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

390 **15A-3-303. Amendments to Chapter 3 of IPC.**

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

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

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

399 (3) IPC, Section 311.1, is deleted.

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

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

- 404 1. Contractor shall recognize that plastic is extremely brittle at lower temperatures and can
405 explode, causing serious injury or death.
- 406 2. Contractor assumes all liability for injury or death to persons or damage to property or for
407 claims for labor and/or material arising from any alleged failure of the system during testing
408 with air or compressed gasses.
- 409 3. Proper personal protective equipment, including safety eyewear and protective headgear,
410 should be worn by all individuals in any area where an air or gas test is being conducted.
- 411 4. Contractor shall take all precautions necessary to limit the pressure within the plastic piping.
- 412 5. No [~~water supply~~] drain and vent system shall be pressurized in excess of 6 psi as measured
413 by accurate gauges graduated to no more than three times the test pressure.
- 414 6. The pressure gauge shall be monitored during the test period, which should not exceed 15
415 minutes.
- 416 7. At the conclusion of the test, the system shall be depressurized gradually, all trapped air or
417 gases should be vented, and test balls and plugs should be removed with caution."

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

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

- 422 1. Contractor shall recognize that plastic is extremely brittle at lower temperatures and can
423 explode, causing serious injury or death.
- 424 2. Contractor assumes all liability for injury or death to persons or damage to property or for
425 claims for labor and/or material arising from any alleged failure of the system during testing
426 with air or compressed gasses.
- 427 3. Proper personal protective equipment, including safety eyewear and protective headgear,
428 should be worn by all individuals in any area where an air or gas test is being conducted.
- 429 4. Contractor shall take all precautions necessary to limit the pressure within the plastic piping.
- 430 5. Water supply systems shall be pressure tested to a minimum of 50 psi but not more than 80
431 psi as measured by accurate gauges graduated to no more than three times the test pressure.

432 6. The pressure gauge shall be monitored during the test period, which should not exceed 15
433 minutes.

434 7. At the conclusion of the test, the system shall be depressurized gradually, all trapped air or
435 gases should be vented, and test balls and plugs should be removed with caution."

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

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

440 **15A-3-601. General provisions.**

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

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

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

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

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

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

452 **15A-4-107. Amendments to IBC applicable to Sandy City.**

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

454 (1) A new IBC, Section (F)903.2.13, is added as follows: "(F)903.2.13 An automatic
455 sprinkler system shall be installed in accordance with NFPA 13 throughout buildings
456 containing all occupancies where fire flow exceeds 2,000 gallons per minute, based on Table
457 B105.1 of the [2009] 2012 International Fire Code. Exempt locations as indicated in Section
458 903.3.1.1.1 are allowed.

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

462 (2) A new IBC, Appendix L, is added and adopted as follows: "Appendix L

463 BUILDINGS AND STRUCTURES CONSTRUCTED IN AREAS DESIGNATED AS
464 WILDLAND-URBAN INTERFACE AREAS

465 AL 101.1 General. Buildings and structures constructed in areas designated as Wildland-Urban
466 Interface Areas by Sandy City shall be constructed using ignition resistant construction as
467 determined by the Fire Marshal. Section 502 of the 2006 International Wildland-Urban
468 Interface Code (IWUIC), as promulgated by the International Code Council, shall be used to
469 determine Fire Hazard Severity. The provisions listed in Chapter 5 of the 2006 International
470 Wildland-Urban Interface Code, as modified herein, shall be used to determine the
471 requirements for Ignition Resistant Construction.

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

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

479 Section 8. **Repealer.**

480 This bill repeals:

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

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

483 Section 9. **Effective date.**

484 This bill takes effect on July 1, 2016.