

AGENDA

UNIFORM BUILDING CODE COMMISSION
ELECTRICAL ADVISORY COMMITTEE

November 10, 2016 2:00
Room 464
160 E 300 S Salt Lake City, UT

This agenda is subject to change up to 24 hours prior to the meeting.

1. Approve minutes from October 13, 2016 meeting
2. Review proposed amendment for IRC Section E3902.16

Next Scheduled Meeting: as needed

Please call Sharon at 801-530-6163 or email ssmalley@utah.gov if you do not plan on attending this meeting.



In compliance with the Americans with Disabilities Act, individuals needing special accommodations (including auxiliary communicative aids and services) during this meeting should notify Dave Taylor, ADA Coordinator, at least three working days prior to the meeting. Division of Occupational and Professional Licensing, 160 East 300 South, Salt Lake City UT 84115, Phone 530-6628 or toll-free in Utah only 866-275-3675.

UNIFORM BUILDING CODE COMMISSION

ELECTRICAL ADVISORY COMMITTEE
MEETING

October 16, 2016
Room 474 Heber M Wells Building
160 E 300 S Salt Lake City, UT

MINUTES

STAFF

Dan S Jones, Bureau Manager
Sharon Smalley, Board Secretary

ELECTRICAL ADVISORY COMMITTEE MEMBERS

| | |
|-----------------------|------------------------|
| Chris Jensen | Jason VanAusdal |
| Joseph Taft | John Brunt (absent) |
| Chris Joyal | Rhett Butler |
| David Winger (absent) | Steve Woodman (absent) |

VISITORS

| | |
|------------------------|--|
| Mike Stone, NEMA | Michael Belitzry, Nat'l Electrical Mfg Assoc |
| Frank Pignanelli, NEMA | |

MINUTES

A motion was made by Chris Joyal to approve the minutes from the January 14, 2016 meeting as written. The motion was seconded by Rhett Butler and passed unanimously.

REVIEW PROPOSED AMENDMENT
FOR IRC SECTION E3902.16

Those present discussed the proposed amendment. Mike Stone and Michael Belitzry spoke to the committee against the proposed amendment. Following the discussion by all present, a motion was made by Joseph Taft to table the decision until the next meeting so more information can be gathered. The motion was seconded by Jason VanAusdal and passed unanimously.

The meeting adjourned at 3:55.

UTAH DEPARTMENT OF COMMERCE
DIVISION OF OCCUPATIONAL AND PROFESSIONAL LICENSING
160 East 300 South Salt Lake City UT 84111
PO Box 146741 Salt Lake City UT 84114-6741
E-mail: dansjones@utah.gov
Web www.dopl.utah.gov

REQUEST FOR CODE AMENDMENT

| | |
|---|----------------------------|
| Requesting Agency/Person: McArthur Homes, Inc. | Date: 8/31/2016 |
| Street Address: 9962 S. Redwood Road | |
| City, State, Zip South Jordan, UT 84095 | |
| Contact Person: Ron McArthur | Phone: 801-727-2423 |
| Code to be Amended: IRC, 2015 State Amendments <small>(Include edition)</small> | |
| Section: 15A-3-206 / IRC Section 3902.16 | |
| Section Title: AFCI Protection | |

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|--|
| AMENDMENT: |
| Type proposed amendment in rule change form. (Using strikeout on portions being removed and underline on all new wording.) 1. Include the entire section you wish to amend. 2. Attach additional sheets if necessary. 15A-3-206 Amendments to Chapters 36 and 44 of IRC. (2) In IRC, Section E3902.16, the following words in the first sentence are deleted: "kitchens, family rooms, dining rooms, living rooms, parlors, libraries, dens," and "sunrooms, recreation rooms, closets, hallways, <u>laundry areas</u> and similar rooms or areas." |

Purpose of or Reason for the amendment:

This correction to the current amendment will return the code to the prior standard, which did NOT require AFCI circuits in kitchens or laundry rooms. This topic was hotly debated at its initial code introduction in prior code cycle, and it was agreed to require them ONLY in bedrooms in the State of Utah. I believe that the introduction of requiring them in kitchens and laundry rooms was a clerical oversight and should be reversed.

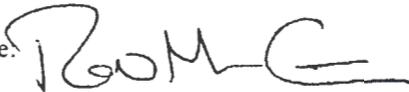
Cost or Savings Impact of Amendment:

Typical homes would require an additional 5- 6 AFCI circuits at a cost of about \$75 to home buyers, for a total savings per home of up to \$450, typically.

Compliance Costs for Affected Persons (APerson@ means any individual, partnership, corporation, association, governmental entity, or public or private organization of any character other than an agency.) (You must break out the impact cost to State Budget, Local Government and you must state aggregate cost to other persons {cost per person times number of persons affected}):

There is no Compliance Cost anticipated by updating this amendment.

Signature:



Date:

8/31/16

For Division Use:

| | |
|--|--|
| Date Received: | |
| Committee Action: <input type="checkbox"/> Approved <input type="checkbox"/> Denied <input type="checkbox"/> Approved with revisions <input type="checkbox"/> Referred to: <input type="checkbox"/> Tabled | UBC Commission Decision for Hearing: <input type="checkbox"/> Approved for hearing <input type="checkbox"/> Denied <input type="checkbox"/> Approved with revisions <input type="checkbox"/> Referred to: <input type="checkbox"/> Tabled |
| Date Filed: | Public Hearing Date: |
| UBC (Commission Decision for Adoption: <input type="checkbox"/> Approved <input type="checkbox"/> Denied <input type="checkbox"/> Approved with revisions <input type="checkbox"/> Referred to: <input type="checkbox"/> Tabled | Effective Date: |

Residential Building Electrical Malfunction Fire Trends (2005-2014)

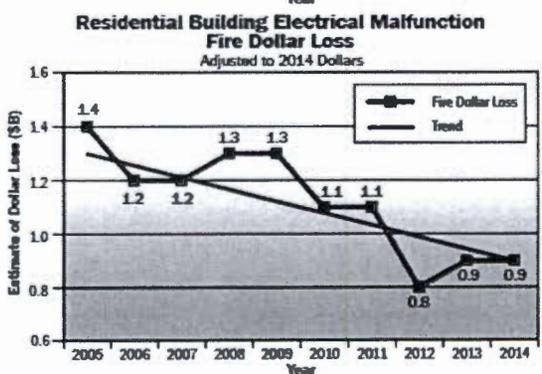
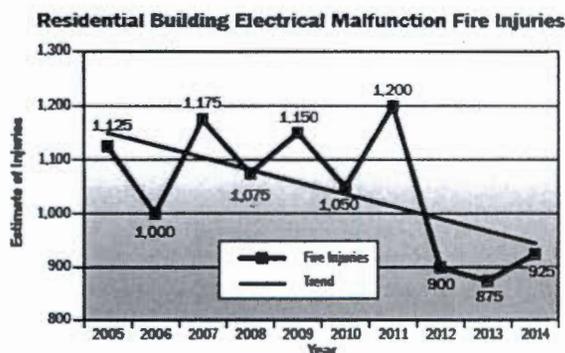
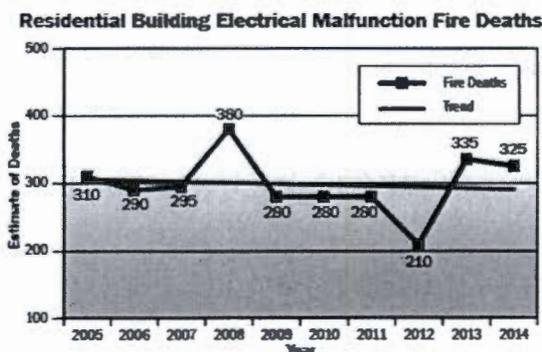
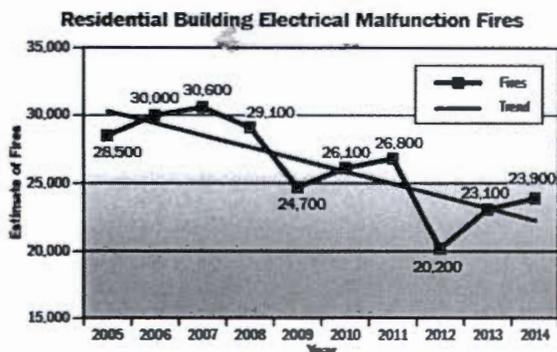
Fire Estimate Summaries present basic data on the size and status of the fire problem in the United States as depicted through data reported to the U.S. Fire Administration's (USFA's) National Fire Incident Reporting System. Each Fire Estimate Summary addresses the size of the specific fire or fire-related issue and highlights important trends in the data. Note: Fire Estimate Summaries are based on the USFA's "National Estimates Methodology for Building Fires and Losses" (http://www.usfa.fema.gov/downloads/pdf/statistics/national_estimate_methodology.pdf). The USFA is committed to providing the best and most currently available information on the U.S. fire problem and, as a result, continually examines its data and methodology. Because of this commitment, changes to data collection strategies and estimate methodologies occur, causing estimates to change slightly over time. Previous estimates on specific issues (or similar issues) may have been a result of different methodologies or data definitions used and may not be directly comparable to current estimates.

National estimates for residential building electrical malfunction fires and losses for 2014, the most recent year for which data are available, are:

- Fires: 23,900.
- Deaths: 325.
- Injuries: 925.
- Dollar loss: \$929,400,000.

Overall trends for residential building electrical malfunction fires and losses for the 10-year period of 2005 to 2014 show:

- A 26 percent decrease in fires.
- A 5 percent decrease in deaths.
- An 18 percent decrease in injuries.
- A 34 percent decrease in dollar loss. (Note: This overall constant dollar-loss trend takes inflation into account by adjusting each year's dollar loss to its equivalent 2014 value.)



FEMA

U.S. Department of Homeland Security • U.S. Fire Administration

National Fire Data Center • Emmitsburg, Maryland 21727

www.usfa.fema.gov/data/statistics/



Utah Electrical Fire Statistics

(National Fire Incident Reporting System)

Fires Caused by Arcing/Shorted Electrical Equipment – Code 445*

| | | |
|------|----------------------|--------------------------------|
| 2010 | 326 Electrical Fires | \$13,550 property/content loss |
| 2011 | 321 Electrical Fires | \$ 3,575 property/content loss |
| 2012 | 312 Electrical Fires | \$ 5,875 property/content loss |
| 2013 | 218 Electrical Fires | \$66,750 property/content loss |
| 2014 | 303 Electrical Fires | \$66,803 property/content loss |
| 2015 | 274 Electrical Fires | \$13,435 property/content loss |

Fires Caused by Electrical Wiring/Equipment Problem, Other – Code 440*

| | | |
|------|----------------------|--------------------------------|
| 2010 | 229 Electrical Fires | \$6,060 property/content loss |
| 2011 | 212 Electrical Fires | \$6,350 property/content loss |
| 2012 | 212 Electrical Fires | \$4,950 property/content loss |
| 2013 | 151 Electrical Fires | \$10,000 property/content loss |
| 2014 | 216 Electrical Fires | \$10,000 property/content loss |
| 2015 | 262 Electrical Fires | \$2,025 property/content loss |

*Source:

2010 Pg. 10 <http://site.utah.gov/dps-fire/wp-content/uploads/sites/19/2015/10/2010-Incident-Summary.pdf>

2011 Pg. 10 <http://site.utah.gov/dps-fire/wp-content/uploads/sites/19/2015/10/2011-Incident-Summary.pdf>

2012 Pg. 10 <http://site.utah.gov/dps-fire/wp-content/uploads/sites/19/2015/10/2012-Incident-Summary.pdf>

2013 Pg. 10 <http://site.utah.gov/dps-fire/wp-content/uploads/sites/19/2015/04/2013-Incident-Type-State-Totals.pdf>

2014 Pg. 10 <http://firemarshal.utah.gov/wp-content/uploads/sites/19/2015/04/2014-Incident-Summary.pdf>

2015 Pg. 10 <http://site.utah.gov/dps-fire/wp-content/uploads/sites/19/2015/04/2015-Incident-Summary-2.pdf>

Jana DeMille, Utah State Fire Marshal's Office 801-284-6368 <http://firemarshal.utah.gov/department-services/state-fire-statistics/>