AGENDA
UNIFORM BUILDING CODE COMMISSION

Wednesday, July 12, 2017
9:00 AM
Sandy City Hall, 10000 Centennial Pkwy Sandy, UT
Room 341

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

Administrative Business:
Call meeting to order
Introduce new Bureau Manager
Swear in new member
Elect a new chairman and vice-chair
Sign per diem sheet

Discussion Items:
1. Approve minutes from November 16, 2016 meeting
2. Discuss commission liaisons
3. Review proposed amendments
   - IRC Section E3705.4.5
   - NEC Section 210.8(B)
   - NEC Section 240.67
   - NEC Section 240.87(B)
4. Review recommendation for 2017 NEC
5. Advisory Committee reports -
   a. Architectural Advisory Committee – no meeting
   c. Education Advisory Committee – numerous
   d. Electrical Advisory Committee – 1-12-17, 3-9-17, 4-13-17, 5-15-17, 6-8-17
   e. Unified Code Analysis Council – no meeting
   f. International Mechanical Advisory Committee – no meeting
   g. Plumbing/Health Advisory Committee – no meeting
   h. Structural Advisory Committee – no meeting
6. Info Items
   a. Education Committee Combined Balance & Income Sheet

Next Scheduled Meeting: August 9, 2017

Please call Sharon at 530-6163, email at ssmalley@utah.gov or rbarkdull@utah.gov if you do not plan on attending the 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, 801-530-6628 or toll-free in Utah only 866-275-3675.
MINUTES

UTAH
UNIFORM BUILDING CODE COMMISSION
ELECTRONIC MEETING

November 16, 2016
Room 475
Heber M Wells Bldg Salt Lake City, UT

STAFF:
Dan S. Jones, Bureau Manager
Sharon Smalley, Board Secretary

COMMISSIONERS:
Ron McArthur
Justin Naser
Bryant Pankratz (absent)
Alex Buttwinski (excused)
Patrick Tomasino

Christopher Jensen (excused)
Richard Butz
Chris Joyal
Casey Vorwaller
Kevin Emerson

VISITORS:
Ross Ford, HBA
Roger Evans, Sunrise Engineering
Dave Griffen, electronically
Bryan Romney, UCOLA
Matt Klein, SLHBA
Michael Belitski, NEMA

Brian Rentmeister, Rentmeister Electric
Steven Dailey, Salt Lake Homebuilders
Spencer Merchant, electronically
Dave Stone, NEMA
Kristen Mortensen, SLHBA
Dave Nichols, ICC

MINUTES
A motion was made by Ron McArthur to approve the minutes from the September 7, 2016 meeting as written. The motion was seconded by Chris Joyal and passed unanimously.

REVIEW PROPOSED AMENDMENTS:
IRC SECTION R405

The proposed amendment was reviewed and the wording for the proposal to add a second exception was modified to read, "When a geotechnical report has been provided for the property, a drainage system shall not be required unless required as a condition of the geotechnical report." Following the discussion, a motion was made by Ron McArthur to approve the modified proposal. The motion was seconded by Casey Vorwaller and passed unanimously.
Ron McArthur spoke to those present in connection with the proposed amendment. Following the discussion on the proposal by all present, a motion was made by Ron McArthur to approve the proposal as written. The motion died due to the lack of a second.

A motion was then made by Chris Joyal to table the proposal until more information can be reviewed. The motion died due to the lack of a second.

A motion was then made by Chris Joyal to deny the proposal. The motion was seconded by Patrick Tomasino and passed with a vote of four in favor, Ron McArthur and Justin Naser voting in opposition, and Kevin Emerson abstaining.

Following a review of the proposal, a motion was made by Casey Vorweller to approve the proposal. The motion was seconded by Patrick Tomasino and passed unanimously.

A motion was made by Casey Vorweller to approve the modified proposal as presented. The motion was seconded by Kevin Emerson and passed unanimously.

The meeting adjourned at 3:18.
REQUEST FOR CODE AMENDMENT

<table>
<thead>
<tr>
<th>Requesting Agency/Person: Chris Jensen</th>
<th>Date: 5/26/2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Street Address: 1187 Cliffside DR</td>
<td></td>
</tr>
<tr>
<td>City, State, Zip: Logan, Utah, 84321</td>
<td></td>
</tr>
<tr>
<td>Contact Person: Chris Jensen</td>
<td>Phone: 435-760-4675</td>
</tr>
</tbody>
</table>

Code to be Amended: 2015 International Residential Code
(Include edition)

Section: E3705.4.5

Section Title: Conductors of Type SE Cable.

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.

Where used as a branch circuit or feeder wiring method within the interior of a building and installed in thermal insulation, the ampacity of the conductors of Type SE cable assemblies with ungrounded conductors 10 AWG and smaller, shall be in accordance with the 60 degree C (140 degree F) conductor temperature rating. The maximum conductor temperature rating shall be permitted to be used for ampacity adjustment and correction purposes, provided that the final derated ampacity does not exceed that for a 60 degree C (140 degree F) rated conductor. [338.10(B)(4)(a)]
Purpose of or Reason for the amendment:
The 2017 NEC amends this section so that larger feeders are permitted to be sized in accordance with the 75 degree C ampacity when installed in thermal insulation.

Cost or Savings Impact of Amendment:
This will result in a significant cost savings as the current requirement requires larger feeder cables which cost more money.

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}): 

Signature: Chris Jensen  
Date: 5/26/2017

For Division Use:

Date Received:

Committee Action:  
☐ Approved  ☐ Denied  
☐ Approved with revisions  
☐ Referred to:  
☐ Tabled

UBC Commission Decision for Hearing:

☐ Approved for hearing  ☐ Denied  
☐ Approved with revisions  
☐ Referred to:  
☐ Tabled

Date Filed:  

UBC Commission Decision for Adoption:

☐ Approved  ☐ Denied  
☐ Approved with revisions  
☐ Referred to:  
☐ Tabled

Effective Date:
REQUEST FOR CODE AMENDMENT

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<th>Chris Jensen</th>
<th>Date: 6/21/2017</th>
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<tbody>
<tr>
<td>Street Address:</td>
<td>1187 Cliffside DR</td>
<td></td>
</tr>
<tr>
<td>City, State, Zip:</td>
<td>Logan UT 84321</td>
<td></td>
</tr>
<tr>
<td>Contact Person:</td>
<td>Chris Jensen</td>
<td>Phone: 435-760-4675</td>
</tr>
<tr>
<td>Code to be Amended:</td>
<td>2017 NEC</td>
<td>(Include edition)</td>
</tr>
<tr>
<td>Section:</td>
<td>210.8(B)</td>
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</tr>
<tr>
<td>Section Title:</td>
<td>Other than Dwelling units</td>
<td></td>
</tr>
</tbody>
</table>

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.

(B) Other Than Dwelling Units. All single-phase receptacles rated 150 volts to ground or less, 50 amperes or less and three-phase receptacles rated 150 volts to ground or less, 100 amperes or less installed in the following locations shall have ground-fault circuit-interrupter protection for personnel.

150 volts to ground or less, 50 amperes or less and three-phase receptacles rated 150 volts to ground or less, 100 amperes or less installed in the following locations shall have ground-fault circuit-interrupter protection for personnel.
Purpose of or Reason for the amendment:
Remove the requirement for 3 phase receptacles 150 volts to ground or less to be GFCI protected. This will allow the manufacturers more time to come up with more cost effective means for providing GFCI protection for 3 phase 150 volts to ground or less circuits.

Cost or Savings Impact of Amendment:
This will be a significant cost savings as currently the only equipment available to GFCI protect a 3 phase circuit is a ground fault relay system which can cost up to $800.00

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}): None

Signature: [Signature] Date: 6/21/17

For Division Use:

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<th>Date Received:</th>
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<tbody>
<tr>
<td><strong>Committee Action:</strong></td>
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<td>□ Approved</td>
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<td>□ Approved with revisions</td>
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<tr>
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<td>□ Tabled</td>
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<th>Date Filed:</th>
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<tr>
<td>Public Hearing Date:</td>
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| Effective Date: |
REQUEST FOR CODE AMENDMENT

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</tr>
<tr>
<td>Contact Person: Chris Jensen</td>
<td>Phone: 435-760-4675</td>
</tr>
<tr>
<td>Code to be Amended: 2017 National Electrical Code</td>
<td>(Include edition)</td>
</tr>
<tr>
<td>Section: 240.67</td>
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</tr>
<tr>
<td>Section Title: Arc Energy Reduction</td>
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</table>

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.

Where fuses rated 1200 A or higher are installed, 240.67(A) and (B) shall apply. This requirement shall become effective upon adoption of the 2020 NEC.
Purpose of or Reason for the amendment:
To change the effective date of this requirement to allow for manufacturers to adjust equipment to comply with this requirement.

Cost or Savings Impact of Amendment:
This will result in a significant cost savings as installers will not have to attempt to comply with this requirement until manufacturers have adjusted their equipment to meet this requirement.

Compliance Costs for Affected Persons (A Person 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}):
The following report and recommendation has been prepared by the Electrical Advisory Committee under the guidelines set forth in the “State Construction Code Administration and Adoption of Approved State Construction Code Rule”.

The Electrical Advisory Committee has extensively reviewed the changes found in the 2017 National Electrical Code. There were some changes that will result in a cost increase such as the requirement for GFCI protection in non-dwelling occupancies expanding to include single phase circuits up to 60 amps 150 volts to ground or less and 3 phase circuits up to 100 amps 150 volts to ground or less. These devices can cost up to 600 to 800 dollars. The expansion of the GFCI requirements to include these new circuits is driven by electrical safety. Electrical shock hazards exist in commercial and industrial occupancies in outdoor and wet location at the higher voltages than 120 volts. The expansion of the GFCI requirements will enhance electrical safety in commercial and industrial environments. There were also numerous changes that will result in significate saving to consumers. An exception that will allow a reduction of the overall lighting load when a building is designed to meet the energy code will result in smaller required electrical services for offices and banks. The ability to drop from an 800 amp to a 600 amp service can result in Thousands of dollars in savings for the consumer.

During the review of the 2017 National Electrical Code the Electrical Advisory Committee came up with a proposed Amendment to section 240.67 that would delay the implementation of this section until the possible adoption of the 2020 National Electrical Code. This Amendment would allow the manufactures more time to adjust to the requirement for arc energy reduction for fuses and therefore reduce any costs that may be incurred during early implementation of arc energy reduction.

Overall the Electrical Advisory Committee found that there would be, at most, a very small cost increase as a result of adopting the 2017 National Electrical Code. This small cost increase would be offset by the addition of new technologies and an increased in the welfare and safety of electrical workers and the public.

The Electrical Advisory Committee recommends that the Uniform Building Code Commission submit a recommendation to the Business and Labor Interim Committee to draft legislation adopting the 2017 National Electrical Code as part of the State Construction Code. Also as part of this recommendation we are recommending adoption of the Amendment to section 240.67.

The Electrical Advisory Committee recommends adoption of an Amendment to the 2015 International Residential Code. This Amendment is to Section E3705.4.5 and would update the 2015 IRC section dealing with residential feeders to relax the rules and allow a smaller size feeder when the feeder is installed in thermal insulation. This Amendment will create a cost savings when installing feeders in thermal insulation.

Chris Jensen
Chairman Uniform Building Code Commission Electrical Advisory Committee
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, Part 3, Statewide Amendments to International Plumbing 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 2015 edition of the International Building Code, including Appendix J, issued by the International Code Council;
(b) the 2015 edition of the International Residential Code, issued by the International Code Council;
(c) the 2015 edition of the International Plumbing Code, issued by the International Code Council;
(d) the 2015 edition of the International Mechanical Code, issued by the International Code Council;
(e) the 2015 edition of the International Fuel Gas Code, issued by the International Code Council;
(f) the 2014 2017 edition of the National Electrical Code, issued by the National Fire Protection Association;
(g) the 2015 edition of the International Energy Conservation Code, issued by the International Code Council;
(h) the 2015 edition of the International Existing Building Code, issued by the International Code Council;
(i) subject to Subsection 15A-2-104(2), the HUD Code; subject to Subsection 15A-2-104(1), Appendix E of the 2015 edition of the International Residential Code, issued by the International Code Council; and

(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.

Amended by Chapter 249, 2016 General Session
15A-3-206 Amendments to Chapters 37, 39, 44, and Appendix F of IRC.

(1) In IRC, Section E3705.4.5 the following words are added after the word "assemblies" "with ungrounded conductors 10 AWG and smaller."

(2) In IRC, Section E3901.9, the following exception is added:

"Exception: Receptacles or other outlets adjacent to the exterior walls of the garage, outlets adjacent to an exterior wall of the garage, or outlets in a storage room with entry from the garage may be connected to the garage branch circuit."

(3) IRC, Section E3902.16 is deleted.

(4) In Section E3902.17:

(a) following the word "Exception" the number "1." is added; and (b) at the end of the section, the following sentences are added:

"2. This section does not apply for a simple move or an extension of a branch circuit or an outlet which does not significantly increase the existing electrical load. This exception does not include changes involving remodeling or additions to a residence."

(5) IRC, Chapter 44, is amended by adding the following reference standard:

<table>
<thead>
<tr>
<th>Standard reference number</th>
<th>Title</th>
<th>Referenced in code section number</th>
</tr>
</thead>
<tbody>
<tr>
<td>USC-FCCCHR 10th Edition</td>
<td>Foundation for Cross-Connection Control and Hydraulic Research University of Southern California Kaprielian Hall 300 Los Angeles CA 90089-2531</td>
<td>Table P2902.3</td>
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</table>

(6) When passive radon controls or portions thereof are voluntarily installed, the voluntary installation shall comply with Appendix F of the IRC.

(b) An additional inspection of a voluntary installation described in Subsection (5)(a) is not required.

Amended by Chapter 236, 2017 General Session
Statewide Amendments to National Electrical Code

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 210.8(B), the words "and three phase receptacles rated 150 volts to ground or less, 100 amperes or less", are deleted.

(3) In NEC, Section 240.67, the words “January 1, 2020” are deleted and replaced with “upon adoption of the 2020 NEC”.

(2) NEC, Section 240.87(B), is modified to add the following as an additional approved equivalent means:

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

Amended by Chapter 249, 2016 General Session
## COMBINED BALANCE SHEET & INCOME STATEMENT
### For May 1-31, 2017 (Period 11)

### REVENUE

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<tr>
<th>Description</th>
<th>Budget</th>
<th>Received</th>
<th>Actual YTD</th>
<th>Balance</th>
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### EDUCATIONAL GRANTS TO SCHOOLS

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<td>Dixie State College (Dixie Applied Tech College)</td>
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<td>Salt Lake Community College</td>
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### ASSOCIATION FUNDING GRANTS

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<td>Northern Utah Building Inspectors</td>
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<td>Park City Area Home Builders Association/PCAHBA</td>
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<td>Southern Utah Home Builders Association/ SUHBA</td>
<td>$104,050.00</td>
<td>-</td>
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<td>UAPMO</td>
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<td>Utah Chapter IAEI</td>
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<td>Utah Construction Suppliers Association</td>
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<td>-</td>
<td>-</td>
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<td>Utah Plumbing &amp; Heating Contractors Association</td>
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<td>Utah Division of Occupational and Professional Licensing</td>
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<td>Utah Valley Home Builders Association</td>
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<td>-</td>
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<td><strong>Total</strong></td>
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<td>$932.80</td>
<td>$185,754.97</td>
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### TOTAL ENCUMBRANCES

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<tr>
<th>Description</th>
<th>Budget</th>
<th>Paid</th>
<th>Actual YTD</th>
<th>Balance</th>
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<tr>
<td><strong>Total</strong></td>
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<td>$5,727.70</td>
<td>$300,564.71</td>
<td>$1,154,423.60</td>
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### REVENUES (LESS ACTUAL EXPENDITURES)

<table>
<thead>
<tr>
<th>Description</th>
<th>Budget</th>
<th>Paid</th>
<th>Actual YTD</th>
</tr>
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<td>Total Revenue (Surcharges plus carryovers)</td>
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<tr>
<td>Less Actual Expenditures</td>
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<td>$300,564.71</td>
<td></td>
</tr>
<tr>
<td><strong>SUBTOTAL (ACTUAL)</strong></td>
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<td>$1,217,573.50</td>
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<tr>
<td>Less Approved Unpaid Encumbrances</td>
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<td>$1,154,423.60</td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL RESERVES</strong></td>
<td>-</td>
<td>$63,149.80</td>
<td></td>
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</tbody>
</table>
CONVENED: 1:35 p.m. ADJOURNED: 3:41 p.m.

Construction CE Manager: Robyn Barkdull

Board Secretary: Boyce Barnes

Division Director: Mark Steinagel

Administrative Law Judge: Judge Bruce Dibbs

Committee Members Present: Debbie Adams
Craig Browne
Doug Hawkes
Shane Honey
Kathy LeMay
Robert Patterson
Jennifer Saunders
Patrick Tomasino

Committee Members Absent: John Chase

Guests: John Hill
Ross Ford
OATH OF OFFICE

PROPOSED RULE HEARING

MINUTES:

BUDGET REPORT FOR FY 2016 & FY 2017:

UBCC APPLICATION FOR FUNDING GRANT REVIEW FY 2017:

DECISIONS AND RECOMMENDATIONS

Swearing in of new UBCC Education Advisory Committee members; Doug Hawkes, Debra Adams and Robert Patterson.

Administrative Law Judge, Bruce Dibb, conducted the Rule Hearing for proposed amendment to R156-15A-231. The rule was filed with the state on July 19, 2016. Judge Dibb asked if there were any members of the public who would like to comment on the proposed rule amendment. After receiving no comments, Judge Dibb closed the hearing.

Patrick Tomasino made a motion to approve the minutes from the June 21, 2016 meeting. Kathy LeMay seconded the motion. The motion passed unanimously.

The budget reports were presented and reviewed by the Committee. Questions were asked and answered.

The committee considered a September 7, 2016 application from the Rocky Mountain Gas Association for a total of $8,820.00. Kathy LeMay made a motion to approve the funding request. Shane Honey seconded the motion. The motion passed unanimously.

The committee considered an October 2016 application from the Home Builders Association of Utah for October 2016 for a total of $8,850.00. Shane Honey made a motion to approve the funding request. Robert Patterson seconded the motion. The motion passed unanimously.

The committee considered an October 2016 application from the Home Builders Association of Utah for a total of $8,850.00. Shane Honey made a motion to approve the funding request. Robert Patterson seconded the motion. The motion passed unanimously.

The committee considered a November 2016 application from the Home Builders Association of Utah for a total of $8,850.00. Shane Honey made a motion to approve the funding request. Robert Patterson seconded the motion. The motion passed unanimously.
The committee considered a December 2016 application from the Home Builders Association of Utah for a total of $8,850.00. Shane Honey made a motion to approve the funding request. Robert Patterson seconded the motion. The motion passed unanimously.

The committee considered a February 2017 application from the Home Builders Association of Utah for a total of $8,850.00. Shane Honey made a motion to approve the funding request. Robert Patterson seconded the motion. The motion passed unanimously.

The committee considered a March 2017 application from the Home Builders Association of Utah for a total of $8,850.00. Shane Honey made a motion to approve the funding request. Robert Patterson seconded the motion. The motion passed unanimously.

The committee considered a May 2017 application from the Home Builders Association of Utah for a total of $8,850.00. Shane Honey made a motion to approve the funding request. Robert Patterson seconded the motion. The motion passed unanimously.

The committee considered a September 2016 application from the Home Builders Association of Utah for a total of $18,950.00. Patrick Tomasino made a motion to approve the September funding request. Robert Patterson seconded the motion. The motion passed unanimously.

The committee considered a November 2017 application from the Home Builders Association of Utah for a total of $18,950.00. Patrick Tomasino made a motion to approve the November funding request, minus the advertising, for a new total of $8,850.00. Robert Patterson seconded the motion.

The committee considered three additional applications for January 2017, April 2017 and June 2017 from the Home Builders Association of Utah. Each application totaled $18,950.00. After discussion regarding the feasibility of marketing and mailing costs for each of the applications, Patrick Tomasino made a motion to ask the HBA to withdraw the three funding requests. Robert Patterson seconded the motion. The motion passed unanimously. At the suggestion of the committee, the HBA of Utah agreed to withdraw the applications until further assessment of the costs are considered based upon the results of their September - December 2016 courses.
The committee considered a request for a June 30, 2016 reimbursement from Southern Utah Home Builders Association for a total of $727.00. The committee discussed the content of the class extensively. Only 1 hour out of the class was determined to meet code requirements. Robert Patterson made a motion to approve the request for reimbursement for a partial reimbursement of $367.00. Shane Honey seconded the motion. The motion passed unanimously.

The next committee meeting is scheduled for Tuesday, September 20, 2016; 1:30 p.m.; in Room 402 (Fourth Floor) of the Heber M. Wells Building, Salt Lake City, Utah.

Adjourned at 3.41 p.m. (no motion required)

Note: These minutes are not intended to be a verbatim transcript but are intended to record the significant features of the business conducted in this meeting. Discussed items are not necessarily shown in the chronological order they occurred.

Chairperson, Craig Browne
Chairperson, UBCC Education Advisory Committee

Robyn Barkdull
Construction CE Manager, Division of Occupational and Professional Licensing
CONVENED:  1:32 p.m.   ADJOURNED:  2:48 p.m.

Construction CE Manager:  Robyn Barkdoll

Board Secretary:  Boyce Barnes

Division Director:  Mark Steinagel (excused)

Committee Members Present:  Craig Browne  
                           John Chase  
                           Kathy LeMay  
                           Jennifer Saunders  
                           Patrick Tomasono

Committee Members Absent:  Doug Hawkes  
                           Shane Honey  
                           Robert Patterson  
                           Debbie Adams

Guests:  John Hill    RGMA  
        Ross Ford    HBA  
        Richard Butz    UBCC Liaison
**MINUTES:**

<table>
<thead>
<tr>
<th>DECISIONS AND RECOMMENDATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Patrick Tomasino made a motion to approve the minutes from the August 16, 2016 meeting. Kathy LeMay seconded the motion. The motion passed unanimously.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>BUDGET REPORT FOR FY 2017:</th>
</tr>
</thead>
<tbody>
<tr>
<td>The budget reports were presented and reviewed by the Committee. Questions were asked and answered.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>UBCC APPLICATION FOR FUNDING GRANT REVIEW FY 2017:</th>
</tr>
</thead>
<tbody>
<tr>
<td>The committee considered a September 22, 2016 application from the Rocky Mountain Gas Association for a total of $5,397.07. John Hill requested that the funding request be revised to include classes for September 8 and 15. The committee requested RGMA submit a new funding request, which includes classes for September 8, 15, and 22, 2016, with a new total of $13,047.07. Kathy LeMay made a motion to approve the revised funding request; contingent upon receiving the new revised funding request application. John Chase seconded the motion. The motion passed unanimously.</td>
</tr>
</tbody>
</table>

| The committee considered a November 11, 12, 19, 2016 application from the Rocky Mountain Gas Association for a total of $6,296.27. Kathy LeMay made a motion to approve the funding request. John Chase seconded the motion. The motion passed unanimously. |

| The committee considered a November 10, 2016 application from the Iron County Home Builders Association of Utah for a total of $5,048.00. Patrick Tomasino made a motion to approve the funding request. Kathy LeMay seconded the motion. The motion passed unanimously. |

| The committee considered a September 22, 2016 application from the Iron County Home Builders Association of Utah for a total of $4,498.00. Patrick Tomasino made a motion to approve the funding request. Kathy LeMay seconded the motion. The motion passed unanimously. |

| The committee considered a November 17, 2016 application from the Iron County Home Builders Association of Utah for a total of $4,498.00. Patrick Tomasino made a motion to approve the funding request. Kathy LeMay seconded the motion. The motion passed unanimously. |

| The committee considered an April 2017 application from the Iron County Home Builders Association of Utah for a total of $4,498.00. Patrick Tomasino made a motion to approve the |
funding request. Kathy LeMay seconded the motion. The motion passed unanimously.

The committee considered a September 2016 application from the Home Builders Association of Utah for a total of $13,600.00. The committee discussed the total number of students estimated to attend and the HBA agreed the estimation was considerably high. The committee and HBA agreed to adjust the funding request amount to $7,600.00, with a caveat that future funding request applications reflect a more conservative estimate of students and cost based on prior attendance. Patrick Tomasino made a motion to approve the funding request. John Chase seconded the motion. The motion passed unanimously.

The committee considered an October 2016 application from the Home Builders Association of Utah for a total of $13,600.00. The committee discussed the total number of students estimated to attend and the HBA agreed the estimation was considerably high. The committee and HBA agreed to adjust the funding request amount to $7,600.00, with a caveat that future funding request applications reflect a more conservative estimate of students and cost based on prior attendance. Patrick Tomasino made a motion to approve the funding request. John Chase seconded the motion. The motion passed unanimously.

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The committee considered a November 2016 application from the Home Builders Association of Utah for a total of $13,600.00. The committee discussed the total number of students estimated to attend and the HBA agreed the estimation was considerably high. The committee and HBA agreed to adjust the funding request amount to $7,600.00, with a caveat that future funding request applications reflect a more conservative estimate of students and cost based on prior attendance. Patrick Tomasino made a motion to approve the funding request. John Chase seconded the motion. The motion passed unanimously.

The committee considered a June 10, 11, 18, 2016 request for reimbursement from Rocky Mountain Gas Association for a total of $3,710.62. John Chase made a motion to approve the request for reimbursement. Kathy LeMay seconded the motion. The motion passed unanimously.

The committee considered a June 22, 2016 request for reimbursement from Home Builders Association for a total of $9,389.52. John Chase made a motion to approve the request for reimbursement with the understanding that the HBA will provide an accounting of the overall marketing costs at the end of the calendar year, prior to approval of any additional UBCC funds for marketing. Jennifer Saunders seconded the motion. The motion passed unanimously.

The committee considered a June 20-21, 2016 request for reimbursement from Uintah Basin Applied Technology College for a total of $2,308.90. Patrick Tomasino made a motion to approve the request for reimbursement. John Chase seconded the motion. The motion passed unanimously.

The committee considered a June 27-28, 2016 request for reimbursement from Uintah Basin Applied Technology College for a total of $3,607.70. Patrick Tomasino made a motion to approve the request for reimbursement. John Chase seconded the motion. The motion passed unanimously.
The committee considered a July 9, 2016 request for reimbursement from Salt Lake Community College for a total of $1,799.75. Patrick Tomasino made a motion to approve the request for reimbursement. Kathy LeMay seconded the motion. The motion passed unanimously with Jennifer Saunders abstained from the vote.

The committee considered an August 6, 2016 request for reimbursement from Salt Lake Community College for a total of $2,500.53. Patrick Tomasino made a motion to approve the request for reimbursement. Kathy LeMay seconded the motion. The motion passed unanimously with Jennifer Saunders abstained from the vote.

The committee considered an August 13, 2016 request for reimbursement from Salt Lake Community College for a total of $2,552.11. Patrick Tomasino made a motion to approve the request for reimbursement. Kathy LeMay seconded the motion. The motion passed unanimously with Jennifer Saunders abstained from the vote.

The next committee meeting is scheduled for Tuesday, October 18, 2016; 1:30 p.m.; in Room 475 (Fourth Floor) of the Heber M. Wells Building, Salt Lake City, Utah.

Adjourned at 2:48 pm. (no motion required)

Note: These minutes are not intended to be a verbatim transcript but are intended to record the significant features of the business conducted in this meeting. Discussed items are not necessarily shown in the chronological order they occurred.

Chairperson, Craig Browne
Chairperson, UBCC Education Advisory Committee

Robyn Barkdull
Construction CE Manager, Division of Occupational and Professional Licensing
MINUTES

UTAH
UBCC EDUCATION ADVISORY COMMITTEE
MEETING
October 18, 2016

Room 475 Fourth Floor – 1:30 p.m.
Heber M. Wells Building
Salt Lake City, UT 84111

CONVENED: 1:31 p.m.                        ADJOURNED: 2:10 p.m.

Construction CE Manager: Robyn Barkdull

Board Secretary: Boyce Barnes

Division Director: Mark Steinagel (excused)

Committee Members Present: Craig Browne
                           Jennifer Saunders
                           Doug Hawkes
                           Debbie Adams

Committee Members Absent: Shane Honey
                          John Chase
                          Kathy LeMay
                          Patrick Tomasino
                          Robert Patterson

Guests: Mike Molyneux
MINUTES:

BUDGET REPORT FOR FY 2017:
The budget reports were presented and reviewed by the Committee. Questions were asked and answered.

UBCC APPLICATION FOR FUNDING GRANT REVIEW FY 2017:
The committee reviewed the following applications for funding grant, however, there were not enough committee members for a quorum to vote, so no actions or motions were made. Application for funding grant will be moved to next month’s agenda.

The committee considered a February 21-22, 2017 application from the SEAU for a total of $70,410.00. Mike Molyneux gave detailed explanation for the itemized amounts in the funding grant request.

UBCC APPLICATION FOR REIMBURSEMENT:
The committee reviewed the following reimbursement requests, however, there were not enough committee members for a quorum to vote, so no actions or motions were made. Reimbursement requests will be moved to next month’s agenda.

The committee considered a March 28, 2016-July 11, 2016 request for reimbursement from Bonneville Chapter of ICC for a total of $8,041.80.

The committee considered a September 10, 2016 request for reimbursement from Salt Lake Community College for a total of $3,150.67.

The committee considered a September 9 & 10, 2016 request for reimbursement from Salt Lake Community College for a total of $3,607.70.

The committee considered a September 17, 2016 request for reimbursement from Southern Utah Division of IAEI for a total of $5,506.58.

DISCUSSION
The NFPA 70E as acceptable material for UBCC funded courses was briefly discussed. Because no quorum was present, it will be on next month’s agenda for further discussion.

NEXT MEETING:
The next committee meeting is scheduled for Tuesday,
November 15, 2016; 1:30 p.m.; in Room 475 (Fourth Floor) of the Heber M. Wells Building, Salt Lake City, Utah.

ADJOURN:

Adjourned at 2:10 p.m. (no motion required)

Note: These minutes are not intended to be a verbatim transcript but are intended to record the significant features of the business conducted in this meeting. Discussed items are not necessarily shown in the chronological order they occurred.

Chairperson, Craig Browne
Chairperson, UBCC Education Advisory Committee

Robyn Barkdull
Construction CE Manager, Division of Occupational and Professional Licensing
MINUTES

UTAH
UBCC EDUCATION ADVISORY COMMITTEE
MEETING
November 15, 2016

Room 475 Fourth Floor – 1:30 p.m.
Heber M. Wells Building
Salt Lake City, UT 84111

CONVENED: 1:34 p.m.  ADJOURNED: 3:06 p.m.

Construction CE Manager: Robyn Barkdull

Board Secretary: Boyce Barnes

Division Director: Mark Steinagel (excused)

Committee Members Present: Doug Hawkes
Debbie Adams
John Chase
Kathy LeMay
Patrick Tomasino
Robert Patterson
Jennifer Saunders

Committee Members Absent: Craig Browne
Shane Honey

Guests: Dave Hill - UPHCA
Mike Molyneux – SEAU
John Hill - RMGA

MINUTES:

DEcisions AND RECOMMEndATIONS
Patrick Tomasino made a motion to approve the minutes from
the September 20, 2016 meeting and from the October 18, 2016
meeting. John Chase seconded the motion. The motion passed
unanimously.

BUDGET REPORT FOR FY 2017:
The budget reports were presented and reviewed by the
Committee. Questions were asked and answered.
The committee considered a February 21-22, 2017 application from the Structural Engineers Association of Utah for a total of $70,410.00. The SEAU adjusted their originally requested funding amount, by removing their request for code book costs, to a new request for funding in the amount of $27,535.00. Jennifer Saunders made a motion to approve the funding request as adjusted. Doug Hawkes seconded the motion. The motion passed unanimously.

The committee considered a January 16, 17, 18, 2017 application from the Fire Marshal's Association of Utah for a total of $9,500.00. Patrick Tomasino made a motion to approve the funding request under condition that more detailed explanations will be submitted and that DOPL staff will forward that information on to the committee. Robert Patterson seconded the motion. The motion passed unanimously.

The committee considered a December 3, 9, 10, 2016 application from the Rocky Mountain Gas Association for a total of $5,436.20. John Chase made a motion to approve the funding request. Robert Patterson seconded the motion. The motion passed unanimously.

The committee considered a May 5, 6, 13, 2017 application from the Rocky Mountain Gas Association for a total of $6,298.27. John Chase made a motion to approve the funding request. Robert Patterson seconded the motion. The motion passed unanimously.

The committee considered a March 28, 2016-July 11, 2016 request for reimbursement from Bonneville Chapter of ICC for a total of $8,041.80. This was the final reimbursement of the inspector training being provided by the Kimball Engineering. John Chase made a motion to approve the request for reimbursement. Jennifer Saunders seconded the motion. The motion passed unanimously.

Robyn Barkdull will invite Chris Kimball, of Kimball Engineering, to January’s meeting to report on the training program and its success.

The committee considered a September 10, 2016 request for reimbursement from Salt Lake Community College for a total of $2,027.91. Patrick Tomasino made a motion to approve the request for reimbursement. Doug Hawkes seconded the motion. The motion passed unanimously with Jennifer Saunders abstaining.
The committee considered a September 17, 2016 request for reimbursement from Salt Lake Community College for a total of $3,150.67. Patrick Tomasino made a motion to approve the request for reimbursement. Doug Hawkes seconded the motion. The motion passed unanimously with Jennifer Saunders abstaining.

The committee considered an October 8, 2016 request for reimbursement from Salt Lake Community College for a total of $2,703.16. Patrick Tomasino made a motion to approve the request for reimbursement. Doug Hawkes seconded the motion. The motion passed unanimously with Jennifer Saunders abstaining.

The committee considered an October 15, 2016 request for reimbursement from Salt Lake Community College for a total of $5,051.25. Patrick Tomasino made a motion to approve the request for reimbursement. Doug Hawkes seconded the motion. The motion passed unanimously with Jennifer Saunders abstaining.

The committee considered a September 9 & 10, 2016 request for reimbursement from Southern Utah Division of IAEI for a total of $5,506.58. Doug Hawkes made a motion to approve the request for reimbursement. Robert Patterson seconded the motion. The motion passed unanimously.

The committee considered an August 13, 2016 request for reimbursement from Utah Plumbing & Heating Contractor Association for a total of $2,701.89. Robert Patterson made a motion to approve the request for reimbursement. Patrick Tomasino seconded the motion. The motion passed unanimously.

The committee considered a September 17, 2016 request for reimbursement from Utah Plumbing & Heating Contractor Association for a total of $3,312.47. Robert Patterson made a motion to approve the request for reimbursement. Patrick Tomasino seconded the motion. The motion passed unanimously.

The committee considered a September 22, 2016 request for reimbursement from Utah Plumbing & Heating Contractor Association for a total of $2,655.65. Robert Patterson made a motion to approve the request for reimbursement. Patrick Tomasino seconded the motion. The motion passed unanimously.

The committee considered an October 15, 2016 request for reimbursement from Utah Plumbing & Heating Contractor Association for a total of $3,747.79. Robert Patterson made a
DISCUSSION:

The committee considered an October 22, 2016 request for reimbursement from Utah Plumbing & Heating Contractor Association for a total of $2,656.82. Robert Patterson made a motion to approve the request for reimbursement. Patrick Tomasino seconded the motion. The motion passed unanimously.

The committee considered a September 7, 2016 request for reimbursement from Rocky Mountain Gas Association for a total of $13,565.60. John Chase made a motion to approve the request for reimbursement. Jennifer Saunders seconded the motion. The motion passed unanimously.

NFPA 70E – Grant Request Inquiry: The committee discussed whether NFPA 70E could be considered code and therefore eligible for UBCC grant funds. Committee members agreed to research the issue and it will be on the agenda for further discussion in January.

Cancellation of December’s meeting: The committee agreed to cancel the December meeting and meet again in January.

NEXT MEETING:

The next committee meeting is scheduled for Tuesday, January 17, 2017; 1:30 p.m.; in Room 402 (Fourth Floor) of the Heber M. Wells Building, Salt Lake City.

ADJOURN:

Adjourned at 3:06 p.m. (no motion required)

Note: These minutes are not intended to be a verbatim transcript but are intended to record the significant features of the business conducted in this meeting. Discussed items are not necessarily shown in the chronological order they occurred.

Chairperson, Craig Browne
Chairperson, UBCC Education Advisory Committee

Robyn Barkdull
Construction CE Manager, Division of Occupational and Professional Licensing
MINUTES

UTAH
UBCC EDUCATION ADVISORY COMMITTEE
MEETING
January 17, 2017

Room 475 Fourth Floor – 1:30 p.m.
Heber M. Wells Building
Salt Lake City, UT 84111

CONVENED: 1:30 p.m.                        ADJOURNED: 3:29 p.m.

Construction CE Manager: Robyn Barkdull

Board Secretary: Boyce Barnes

Division Director: Mark Steinagel (excused)

Committee Members Present: Debbie Adams
                          John Chase
                          Kathy LeMay
                          Patrick Tomasino
                          Robert Patterson
                          Jennifer Saunders
                          Craig Browne

Committee Members Absent: Shane Honey
                        Doug Hawkes

Guests: Tom Peterson – State of Utah
       Les Koch – SLC Building Services
       Tammy Meldrum – ACI
       Brad Stevens – IEC of Utah
       Ross Ford – UHBA
       Michael Rasband – SLHBA
       George Williams – WC3
       Kyle Mortenson– WC3

DECISIONS AND RECOMMENDATIONS

Minutes:
Patrick Tomasino made a motion to approve the minutes from the November 15, 2016 meeting. Robert Patterson seconded the motion. The motion passed unanimously.
The budget reports were presented and reviewed by the Committee. Questions were asked and answered.

The committee considered a March 22, 2017 application from the ACI Intermountain Chapter for a total of $9,700.00. Kathy LeMay made a motion to approve the funding request. Robert Patterson seconded the motion. The motion passed unanimously.

The committee considered a MADCAD 2017 application from the Utah Chapter of ICC for a total of $37,500.00. Patrick Tomasino made a motion to approve the funding request. Robert Patterson seconded the motion. The motion passed unanimously.

The committee considered a February 11, 2017 application from the Salt Lake Community College for a total of $7,185.00. Patrick Tomasino made a motion to approve the funding request. Kathy LeMay seconded the motion. The motion passed unanimously with Jennifer Saunders abstaining from the vote.

The committee considered a March 11, 2017 application from the Salt Lake Community College for a total of $5,840.00. Patrick Tomasino made a motion to approve the funding request. Kathy LeMay seconded the motion. The motion passed unanimously with Jennifer Saunders abstaining from the vote.

The committee considered an April 8, 2017 application from the Salt Lake Community College for a total of $5,840.00. Patrick Tomasino made a motion to approve the funding request. Kathy LeMay seconded the motion. The motion passed unanimously with Jennifer Saunders abstaining from the vote.

The committee considered a May 13, 2017 application from the Salt Lake Community College for a total of $5,840.00. Patrick Tomasino made a motion to approve the funding request. Kathy LeMay seconded the motion. The motion passed unanimously with Jennifer Saunders abstaining from the vote.

The committee considered a February 2017 application from the Home Builders Association of Utah for a total of $12,350.00. Patrick Tomasino made a motion to approve the funding request. Robert Patterson seconded the motion. The motion passed unanimously.

The committee considered a March 2017 application from the Home Builders Association of Utah for a total of $5,750.00. Patrick Tomasino made a motion to approve the funding request.
Robert Patterson seconded the motion. The motion passed unanimously.

The committee considered an April 2017 application from the Home Builders Association of Utah for a total of $5,750.00. Patrick Tomasino made a motion to approve the funding request. Robert Patterson seconded the motion. The motion passed unanimously.

The committee considered a May 2017 application from the Home Builders Association of Utah for a total of $12,350.00. Patrick Tomasino made a motion to approve the funding request. Robert Patterson seconded the motion. The motion passed unanimously.

The committee considered a June 2017 application from the Home Builders Association of Utah for a total of $5,750.00. Patrick Tomasino made a motion to approve the funding request. Robert Patterson seconded the motion. The motion passed unanimously.

Ross Ford, HBA of Utah, presented the following HBA graphs to the committee: Grant Money Report, Number of Code Attendees, Number of All Attendees, Number of Code Attendees Per Location, Number of Hours of Code, Number of Code Books Given Out. The graphs were presented to the committee to report on the raw data. The committee discussed how effective their marketing is performing. No conclusive answers are clearly provided from the graphs in regard to marketing costs. Ross Ford also presented a Preliminary 2017 Class Schedule.

The committee considered an October 2017 application from the Salt Lake Home Builders Association for a total of $62,755.00. Kathy LeMay made a motion to approve the funding request. Robert Patterson seconded the motion. The motion passed unanimously.

The committee considered a July 8, 2017 application from the Salt Lake Community College for a total of $6,835.00. Patrick Tomasino made a motion to approve the funding request. Kathy LeMay seconded the motion. The motion passed unanimously with Jennifer Saunders abstaining from the vote.

The committee considered an August 12, 2017 application from the Salt Lake Community College for a total of $5,840.00. Patrick Tomasino made a motion to approve the funding request. Kathy LeMay seconded the motion. The motion passed
The committee considered a September 13, 2017 application from the Salt Lake Community College for a total of $5,840.00. Patrick Tomasino made a motion to approve the funding request. Kathy LeMay seconded the motion. The motion passed unanimously with Jennifer Saunders abstaining from the vote.

The committee considered an October 14, 2017 application from the Salt Lake Community College for a total of $5,840.00. Patrick Tomasino made a motion to approve the funding request. Kathy LeMay seconded the motion. The motion passed unanimously with Jennifer Saunders abstaining from the vote.

The committee considered a November 11, 2017 application from the Salt Lake Community College for a total of $5,840.00. Patrick Tomasino made a motion to approve the funding request. Kathy LeMay seconded the motion. The motion passed unanimously with Jennifer Saunders abstaining from the vote.

The committee considered a December 9, 2017 application from the Salt Lake Community College for a total of $5,840.00. Patrick Tomasino made a motion to approve the funding request. Kathy LeMay seconded the motion. The motion passed unanimously with Jennifer Saunders abstaining from the vote.

The committee considered a July 2017 application from the Home Builders Association of Utah for a total of $5,750.00. Robert Patterson made a motion to approve the funding request. Patrick Tomasino seconded the motion. The motion passed unanimously.

The committee considered an August 2017 application from the Home Builders Association of Utah for a total of $5,750.00. Robert Patterson made a motion to approve the funding request. Patrick Tomasino seconded the motion. The motion passed unanimously.

The committee considered an August 2017 application from the Home Builders Association of Utah for a total of $12,350.00. Robert Patterson made a motion to approve the funding request. Patrick Tomasino seconded the motion. The motion passed unanimously.

The committee considered a September 2017 application from the Home Builders Association of Utah for a total of $5,750.00. Robert Patterson made a motion to approve the funding request.
Patrick Tomasino seconded the motion. The motion passed unanimously.

The committee considered a September 2017 application from the Home Builders Association of Utah for a total of $5,750.00. Robert Patterson made a motion to approve the funding request. Patrick Tomasino seconded the motion. The motion passed unanimously.

The committee considered an October 2017 application from the Home Builders Association of Utah for a total of $5,750.00. Robert Patterson made a motion to approve the funding request. Patrick Tomasino seconded the motion. The motion passed unanimously.

The committee considered a November 2017 application from the Home Builders Association of Utah for a total of $5,750.00. Robert Patterson made a motion to approve the funding request. Patrick Tomasino seconded the motion. The motion passed unanimously.

The committee considered an October 2017 application from the Home Builders Association of Utah for a total of $12,350.00. Robert Patterson made a motion to approve the funding request. Patrick Tomasino seconded the motion. The motion passed unanimously.

The committee considered a November 2017 application from the Home Builders Association of Utah for a total of $5,750.00. Robert Patterson made a motion to approve the funding request. Patrick Tomasino seconded the motion. The motion passed unanimously.

The committee considered a November 2017 application from the Home Builders Association of Utah for a total of $5,750.00. Robert Patterson made a motion to approve the funding request. Patrick Tomasino seconded the motion. The motion passed unanimously.

The committee considered a September 8, 15, 22, 2016 request for reimbursement from Rocky Mountain Gas Association for a
total of $11,430.40. Kathy LeMay made a motion to approve the request for reimbursement. Patrick Tomasino seconded the motion. The motion passed unanimously.

The committee considered a November 8, 9, 10, 2016 request for reimbursement from Bonneville Chapter of ICC for a total of $32,962.61. Kathy LeMay made a motion to approve the request for reimbursement. Robert Patterson seconded the motion. The motion passed unanimously.

The committee considered a September 16, 2016 request for reimbursement from Uintah Basin ATC for a total of $3,032.38. Patrick Tomasino made a motion to approve the request for reimbursement. Kathy LeMay seconded the motion. The motion passed unanimously.

The committee considered a September 28-29, 2016 request for reimbursement from Uintah Basin ATC for a total of $7,370.39. Patrick Tomasino made a motion to approve the request for reimbursement. Kathy LeMay seconded the motion. The motion passed unanimously.

The committee considered a November 10, 2016 request for reimbursement from Iron County Home Builders Association for a total of $2,918.08. Patrick Tomasino made a motion to approve the request for reimbursement. Robert Patterson seconded the motion. The motion passed unanimously.

The committee considered a November 17, 2016 request for reimbursement from Iron County Home Builders Association for a total of $4,676.88. Patrick Tomasino made a motion to approve the request for reimbursement. Robert Patterson seconded the motion. The motion passed unanimously.

The committee considered an October 12-13, 2016 request for reimbursement from IEC of Utah for a total of $1,952.72. Jennifer Saunders made a motion to approve the request for reimbursement. Kathy LeMay seconded the motion. The motion passed unanimously.

The committee considered a September 7-8, 2016 request for reimbursement from IEC of Utah for a total of $2,196.00. Jennifer Saunders made a motion to approve the request for reimbursement. Kathy LeMay seconded the motion. The motion passed unanimously.

The committee considered a November 9-10, 2016 request for
reimbursement from IEC of Utah for a total of $2,429.42. Jennifer Saunders made a motion to approve the request for reimbursement. Kathy LeMay seconded the motion. The motion passed unanimously.

The committee considered a November 5, 2016 request for reimbursement from Salt Lake Community College for a total of $2,553.27. Patrick Tomasino made a motion to approve the request for reimbursement. Kathy LeMay seconded the motion. The motion passed unanimously with Jennifer Saunders abstaining from the vote.

The committee considered a November 12, 2016 request for reimbursement from Salt Lake Community College for a total of $7,483.43. Patrick Tomasino made a motion to approve the request for reimbursement. Kathy LeMay seconded the motion. The motion passed unanimously with Jennifer Saunders abstaining from the vote.

The committee considered a November 19, 2016 request for reimbursement from Salt Lake Community College for a total of $3,360.89. Patrick Tomasino made a motion to approve the request for reimbursement. Kathy LeMay seconded the motion. The motion passed unanimously with Jennifer Saunders abstaining from the vote.

The committee considered an October 11, 2016 request for reimbursement from Utah Chapter IAEI for a total of $3,557.20. Patrick Tomasino made a motion to approve the request for reimbursement. Robert Patterson seconded the motion. The motion passed unanimously.

The committee considered an October 18, 2016 request for reimbursement from Utah Chapter IAEI for a total of $6,039.42. Patrick Tomasino made a motion to approve the request for reimbursement. Robert Patterson seconded the motion. The motion passed unanimously.

The committee considered a November 16, 2016 request for reimbursement from Utah Chapter IAEI for a total of $416.00. Patrick Tomasino made a motion to approve the request for reimbursement. Robert Patterson seconded the motion. The motion passed unanimously.

The committee considered an August 30, 2016 request for reimbursement from Southern Utah Home Builders Association for a total of $404.43. Kathy LeMay made a motion to approve the request for reimbursement. Robert Patterson seconded the
The motion passed unanimously.

The committee considered a November 4, 2016 request for reimbursement from Southern Utah Home Builders Association for a total of $20,867.65. Kathy LeMay made a motion to approve the request for reimbursement. Robert Patterson seconded the motion. The motion passed unanimously.

The committee considered a November 15-16, 2016 request for reimbursement from Southern Utah Home Builders Association for a total of $729.00. Kathy LeMay made a motion to approve the request for reimbursement. Robert Patterson seconded the motion. The motion passed unanimously.

The committee considered a November 17-18, 2016 request for reimbursement from Southern Utah Home Builders Association for a total of $1,754.95. Kathy LeMay made a motion to approve the request for reimbursement. Robert Patterson seconded the motion. The motion passed unanimously.

The committee considered an August 12, 2016 request for reimbursement from Home Builders Association of Utah for a total of $9,165.20. Kathy LeMay made a motion to approve the request for reimbursement. Patrick Tomasino seconded the motion. The motion passed unanimously.

The committee considered a September 21, 2016 request for reimbursement from Home Builders Association of Utah for a total of $11,266.40. Kathy LeMay made a motion to approve the request for reimbursement. Patrick Tomasino seconded the motion. The motion passed unanimously.

The committee considered a September 27, 2016 request for reimbursement from Home Builders Association of Utah for a total of $4,041.66. Kathy LeMay made a motion to approve the request for reimbursement. Patrick Tomasino seconded the motion. The motion passed unanimously.

The committee considered an October 6, 2016 request for reimbursement from Home Builders Association of Utah for a total of $3,026.73. Kathy LeMay made a motion to approve the request for reimbursement. Patrick Tomasino seconded the motion. The motion passed unanimously.

The committee considered an October 20, 2016 request for reimbursement from Home Builders Association of Utah for a total of $2,881.33. Kathy LeMay made a motion to approve the request for reimbursement. Patrick Tomasino seconded the
motion. The motion passed unanimously.  

**Bonneville Chapter of ICC and Kimball Engineering “Inspector Training” courses - report by George Williams**

George Williams presented the statistics from the UtahBuildingInspectors.com courses that were previously approved and reimbursed by the committee. He reported on the success of the program showing an 11% increase in code professionals. The materials will continue to remain available online. The program is expected to continually grow and so the ultimate impact of the courses cannot be fully measured. George Williams stated that each jurisdiction has an obligation to contribute to the industry by training future code professionals.

**NEXT MEETING:**  
The next committee meeting is scheduled for Tuesday, February 21, 2017; 1:30 p.m.; in Room 402 (Fourth Floor) of the Heber M. Wells Building, Salt Lake City.

**ADJOURN:**  
Adjourned at 3:29 p.m. (no motion required)

*Note: These minutes are not intended to be a verbatim transcript but are intended to record the significant features of the business conducted in this meeting. Discussed items are not necessarily shown in the chronological order they occurred.*

____________________________
Chairperson, Craig Browne  
Chairperson, UBCC Education Advisory Committee

____________________________
Robyn Barkdull  
Construction CE Manager, Division of Occupational and Professional Licensing
MINUTES

UTAH
UBCC EDUCATION ADVISORY COMMITTEE
MEETING
March 21, 2017

Room 402 Fourth Floor – 1:30 p.m.
Heber M. Wells Building
Salt Lake City, UT 84111

CONVENELED: 1:30 pm
ADJOURNED: 3:24 pm

Construction CE Manager: Robyn Barkdull
Board Secretary: Boyce Barnes
Division Director: Mark Steinagel (excused)

Committee Members Present:
Debbie Adams
John Chase
Kathy LeMay
Patrick Tomasino
Jennifer Saunders
Craig Browne
Shane Honey
Doug Hawkes

Committee Members Absent:
Robert Patterson

Guests:
Monique de Boer - IEA
Chris Rogers - DOPL
Ross Ford - HBA
Paul Ashton – Beehive Chapter ICC
James Pehrson – Utah Chapter ICC
Carey Maedgen – Utah Chapter ICC
John Hill - RMGA
David Hill - UPHCA
Paul James - BATC

DECISIONS AND RECOMMENDATIONS
John Chase made a motion to approve the minutes from the January 17, 2017 meeting. Debbie Adams seconded the motion.
The motion passed unanimously.

The budget reports were presented and reviewed by the Committee. Questions were asked and answered.

The committee considered an April 24-26, 2017 application from the Beehive Chapter ICC for a total of $39,860.00. John Chase made a motion to approve the funding request. Patrick Tomasino seconded the motion. The motion passed unanimously.

The committee considered a March 15, 2017 application from the RMGA for a total of $11,194.00. Shane Honey made a motion to approve the funding request. Doug Hawkes seconded the motion. The motion passed unanimously. Jennifer Saunders noted that she would like events to be approved prior to date an event is held. The provider did originally submit this application in time for the February agenda, but the meeting was cancelled due to the lack of a quorum in attendance.

The committee considered a March 29, 2017 application from the RMGA for a total of $11,100.00. Shane Honey made a motion to approve the funding request. Doug Hawkes seconded the motion. The motion passed unanimously.

The committee considered a May 11, 2017 application from the DOPL for a total of $4,888.20. Patrick Tomasino made a motion to approve the funding request. Shane Honey seconded the motion. The motion passed unanimously.

The committee considered a May 12, 2017 application from the DOPL for a total of $438.40. Patrick Tomasino made a motion to approve the funding request. Shane Honey seconded the motion. The motion passed unanimously.

The committee considered a May 17, 2017 application from the DOPL for a total of $300.00. Patrick Tomasino made a motion to approve the funding request. Shane Honey seconded the motion. The motion passed unanimously.

The committee considered a May 18, 2017 application from the DOPL for a total of $300.00. Patrick Tomasino made a motion to approve the funding request. Shane Honey seconded the motion. The motion passed unanimously.

The committee considered a May 19, 2017 application from the DOPL for a total of $300.00. Patrick Tomasino made a motion to approve the funding request. Shane Honey seconded the motion.
The motion passed unanimously.

The committee considered a May 23, 2017 application from the DOPL for a total of $400.00. Patrick Tomasino made a motion to approve the funding request. Shane Honey seconded the motion. The motion passed unanimously.

The committee considered a September 19 & 20, 2017 application from the IEA for a total of $5,435.00. John Chase made a motion to approve the funding request. Doug Hawkes seconded the motion. The motion passed unanimously.

The committee considered an October 14 & 15, 2017 application from the IEA for a total of $5,435.00. John Chase made a motion to approve the funding request. Doug Hawkes seconded the motion. The motion passed unanimously.

The committee considered a January 23, 2018 application from the IEA for a total of $5,435.00. John Chase made a motion to approve the funding request. Doug Hawkes seconded the motion. The motion passed unanimously.

The committee considered a March 6 & 7, 2018 application from the IEA for a total of $5,435.00. John Chase made a motion to approve the funding request. Doug Hawkes seconded the motion. The motion passed unanimously.

The committee considered an April 21, 2018 application from the IEA for a total of $5,435.00. John Chase made a motion to approve the funding request. Doug Hawkes seconded the motion. The motion passed unanimously.

The committee considered a May 22 & 23, 2018 application from the IEA for a total of $5,435.00. John Chase made a motion to approve the funding request. Doug Hawkes seconded the motion. The motion passed unanimously.

The committee considered an August 12, 2017 application from the Bridgerland ATC for a total of $2,038.75. Kathy LeMay made a motion to approve the funding request. John Chase seconded the motion. The motion passed unanimously.

The committee considered a September 15, 2017 application from the Bridgerland ATC for a total of $3,239.00. Kathy LeMay made a motion to approve the funding request. John Chase seconded the motion. The motion passed unanimously.
The committee considered a September 22, 2017 application from the Bridgerland ATC for a total of $3,940.00. Kathy LeMay made a motion to approve the funding request. John Chase seconded the motion. The motion passed unanimously.

The committee considered an October 18, 25 & Nov. 1, 8, 2017 application from the Bridgerland ATC for a total of $4,937.50. Kathy LeMay made a motion to approve the funding request. John Chase seconded the motion. The motion passed unanimously.

The committee considered an October 19, 26 & Nov. 2, 9, 2017 application from the Bridgerland ATC for a total of $4,625.00. Kathy LeMay made a motion to approve the funding request. John Chase seconded the motion. The motion passed unanimously.

The committee considered an October 20, 2017 application from the Bridgerland ATC for a total of $3,387.50. Kathy LeMay made a motion to approve the funding request. John Chase seconded the motion. The motion passed unanimously.

The committee considered an October 20, 2017 application from the Bridgerland ATC for a total of $2,940.00. Kathy LeMay made a motion to approve the funding request. John Chase seconded the motion. The motion passed unanimously.

The committee considered an October 20, 2017 application from the Bridgerland ATC for a total of $2,940.00. Kathy LeMay made a motion to approve the funding request. John Chase seconded the motion. The motion passed unanimously.

The committee considered an April 13, 2018 application from the Bridgerland ATC for a total of $3,940.00. Kathy LeMay made a motion to approve the funding request. John Chase seconded the motion. The motion passed unanimously.

The committee considered a May 12, 2018 application from the
The committee considered a June 8, 2018 application from the Bridgerland ATC for a total of $3,940.00. Kathy LeMay made a motion to approve the funding request. John Chase seconded the motion. The motion passed unanimously.

The committee considered a February 11, 2017 request for reimbursement from Salt Lake Community College for a total of $1,241.78. Doug Hawkes made a motion to approve the request for reimbursement. Shane Honey seconded the motion. The motion passed unanimously with Jennifer Saunders abstaining from the vote.

The committee considered a November 15, 2016 request for reimbursement from Utah Chapter ICC for a total of $6,800.69. Patrick Tomasino made a motion to approve the request for reimbursement. John Chase seconded the motion. The motion passed unanimously.

The committee considered a November 4, 5, 12, 2016 request for reimbursement from Rocky Mountain Gas Association for a total of $6,617.73. Shane Honey made a motion to approve the request for reimbursement. Doug Hawkes seconded the motion. The motion passed unanimously.

The committee considered a December 3, 9, 10, 2016 request for reimbursement from Rocky Mountain Gas Association for a total of $5,279.16. Shane Honey made a motion to approve the request for reimbursement. Doug Hawkes seconded the motion. The motion passed unanimously.

The committee considered a November 8, 2016 request for reimbursement from Home Builders Association of Utah for a total of $696.88. John Chase made a motion to approve the request for reimbursement. Patrick Tomasino seconded the motion. The motion passed unanimously.

The committee considered a November 16, 2016 request for reimbursement from Home Builders Association of Utah for a total of $2,926.06. John Chase made a motion to approve the request for reimbursement. Patrick Tomasino seconded the motion. The motion passed unanimously.
DISCUSSION:

The committee considered a November 29, 2016 request for reimbursement from Utah Home Builders for a total of $2,894.04. John Chase made a motion to approve the request for reimbursement. Patrick Tomasino seconded the motion. The motion passed unanimously.

The committee considered a December 7, 2016 request for reimbursement from Home Builders Association of Utah for a total of $3,197.46. John Chase made a motion to approve the request for reimbursement. Patrick Tomasino seconded the motion. The motion passed unanimously.

The committee considered an October 29, 2016 request for reimbursement from Utah Plumbing & Heating Contractors Association for a total of $3,174.76. Patrick Tomasino made a motion to approve the request for reimbursement. Jennifer Saunders seconded the motion. The motion passed unanimously.

The committee considered a November 5, 2016 request for reimbursement from Utah Plumbing & Heating Contractors Association for a total of $2,938.04. Patrick Tomasino made a motion to approve the request for reimbursement. Jennifer Saunders seconded the motion. The motion passed unanimously.

The committee considered a November 12, 2016 request for reimbursement from Utah Plumbing & Heating Contractors Association for a total of $3,520.76. Patrick Tomasino made a motion to approve the request for reimbursement. Jennifer Saunders seconded the motion. The motion passed unanimously.

The committee considered a December 3, 2016 request for reimbursement from Utah Plumbing & Heating Contractors Association for a total of $2,421.00. Patrick Tomasino made a motion to approve the request for reimbursement. Jennifer Saunders seconded the motion. The motion passed unanimously.

NFPA 70E – Accept as code?

The committee discussed whether the NFPA 70E is code and thus eligible for UBCC funding. Currently, for continuing education credit, the NFPA 70E is considered professional credit, but was approved as code training by the UBCC committee in the past. Both sides of the argument were presented. A formal motion was requested on how the committee would view any requests for UBCC funding of the NFPA 70E. Shane Honey motioned not to accept NFPA 70E as eligible code training. John
Chase seconded the motion. The motioned passed with one vote in opposition (Patrick Tomasino)

Application Change – Require instructor(s) names for application process?

Several items were brought up for discussion. Because they were not on the agenda, these items could not have formal committee action taken. These items include: The pros and cons of having instructor information on the applications and having instructor bios be submitted with reimbursement forms; should code books be given to inspectors; and facility cost guidelines. Robyn is to put together a summary of the discussion for the next meeting.

NEXT MEETING:

The next committee meeting is scheduled for Tuesday, April 18, 2017; 1:30 p.m.; in Room 402 (Fourth Floor) of the Heber M. Wells Building, Salt Lake City.

ADJOURN:

Adjourned at 3:24 p.m. (no motion required)

Note: These minutes are not intended to be a verbatim transcript but are intended to record the significant features of the business conducted in this meeting. Discussed items are not necessarily shown in the chronological order they occurred.

Chairperson, Craig Browne
Chairperson, UBCC Education Advisory Committee

Robyn Barkdull
Construction CE Manager, Division of Occupational and Professional Licensing
MINUTES

UTAH
UBCC EDUCATION ADVISORY COMMITTEE
MEETING
April 18, 2017
Room 402 Fourth Floor – 1:30 p.m.
Heber M. Wells Building
Salt Lake City, UT 84111

CONVENED: 1:30 pm
ADJOURNED: 3:59

Construction CE Manager: Robyn Barkdull

Board Secretary: Boyce Barnes

Division Director: Mark Steinagel (excused)

Committee Members Present: John Chase
Kathy LeMay
Jennifer Saunders
Craig Browne
Shane Honey
Doug Hawkes
Robert Patterson

Committee Members Absent: Debbie Adams
Patrick Tomasino

Guests: James Pehrson – Utah Chapter ICC
Tammy Meldrum – ACI
Ross Ford – HBA
Dave Hill – UPHCA
Brad Stevens – IEC of Utah
Layne Western – Utah Chapter IAEi
John Hill - RMGA

MINUTES:

DECISIONS AND RECOMMENDATIONS
Shane Honey made a motion to approve the minutes from the March 21, 2017 meeting. Doug Hawkes seconded the motion. The motion passed unanimously.
The budget reports were presented and reviewed by the Committee. Questions were asked and answered.

The committee considered an April 18 & 19, 2017 application from the Utah Housing Alliance for a total of $5,001.00. The committee reviewed the application. No motion or vote required.

The committee considered an April – June 2017 application from the RMGA for a total of $2,636.20. Jennifer Saunders made a motion to approve the funding request with a request that the results of the self-administered online course be shared with the committee once the course is finished. Kathy LeMay seconded the motion. The motion passed unanimously.

The committee considered a November 7 -9, 2017 application from the Bonneville Chapter ICC for a total of $35,800.00. John Chase made a motion to approve the funding request. Shane Honey seconded the motion. The motion passed unanimously.

The committee considered a March 13 or an April 10, 2018 application from the Bonneville Chapter ICC for a total of $3,000.00. John Chase made a motion to approve the funding request. Shane Honey seconded the motion. The motion passed unanimously.

The committee considered a September 12, 2017 application from the ACI Intermountain Chapter for a total of $1,000.00. Shane Honey made a motion to approve the funding request. Doug Hawkes seconded the motion. The motion passed unanimously.

The committee considered an October 10, 2017 application from the ACI Intermountain Chapter for a total of $1,000.00. Shane Honey made a motion to approve the funding request. Doug Hawkes seconded the motion. The motion passed unanimously.

The committee considered an April 11, 2018 application from the ACI Intermountain Chapter for a total of $1,000.00. Shane Honey made a motion to approve the funding request. Doug Hawkes seconded the motion. The motion passed unanimously.

The committee considered a November 3, 2017 application from the Southern Utah HBA for a total of $39,600.00. Robert Patterson made a motion to table the application for more information on type of code training and conference costs. Jennifer Saunders seconded the motion. The motion to table the application passed unanimously.
The committee considered a November 16, 2017 application from the Southern Utah HBA for a total of $5,300.00. Kathy LeMay made a motion to table the funding request for further information on type of code training, the printing, postage and handling costs. Robert Patterson seconded the motion. The motion to table the application passed unanimously.

The committee considered an April 2018 application from the Southern Utah HBA for a total of $2,850.00. Kathy LeMay made a motion to table the funding request for further information on type of code training, the printing, postage and handling costs. Robert Patterson seconded the motion. The motion to table the application passed unanimously.

The committee considered a May 2018 application from the Southern Utah HBA for a total of $2,850.00. Kathy LeMay made a motion to table the funding request for further information on type of code training, the printing, postage and handling costs. Robert Patterson seconded the motion. The motion to table the application passed unanimously.

The committee considered a September 16, 2017 application from the UPHCA for a total of $1,140.00. John Chase made a motion to table the funding request for further information on code training. Robert Patterson seconded the motion. The motion passed unanimously.

The committee considered an October 14, 2017 application from the UPHCA for a total of $1,950.00. John Chase made a motion to approve the funding request. Robert Patterson seconded the motion. The motion passed unanimously.

The committee considered a November 11, 2017 application from the UPHCA for a total of $1,750.00. John Chase made a motion to approve the funding request. Robert Patterson seconded the motion. The motion passed unanimously.

The committee considered a January 19, 2018 application from the UPHCA for a total of $1,750.00. John Chase made a motion to approve the funding request. Robert Patterson seconded the motion. The motion passed unanimously.

The committee considered a January 26, 2018 application from the UPHCA for a total of $1,750.00. John Chase made a motion to approve the funding request. Robert Patterson seconded the motion. The motion passed unanimously.

The committee considered a March 10, 2018 application from
the UPHCA for a total of $1,700.00. John Chase made a motion to table the funding request for further information on code training. Robert Patterson seconded the motion. The motion passed unanimously.

The committee considered a March 24, 2018 application from the UPHCA for a total of $3,380.00. John Chase made a motion to approve the funding request. Robert Patterson seconded the motion. The motion passed unanimously.

The committee considered an April 14, 2018 application from the UPHCA for a total of $1,140.00. John Chase made a motion to table the funding request for further information on code training. Robert Patterson seconded the motion. The motion passed unanimously.

The committee considered an April 28, 2018 application from the UPHCA for a total of $3,380.00. John Chase made a motion to approve the funding request. Robert Patterson seconded the motion. The motion passed unanimously.

The committee considered a May 5, 2018 application from the UPHCA for a total of $3,380.00. John Chase made a motion to approve the funding request. Robert Patterson seconded the motion. The motion passed unanimously.

The committee considered a May 19, 2018 application from the UPHCA for a total of $3,380.00. John Chase made a motion to approve the funding request. Robert Patterson seconded the motion. The motion passed unanimously.

The committee considered an October 10, 2017 application from the Utah Chapter IAEI for a total of $9,645.00. Shane Honey made a motion to approve the funding request. Doug Hawkes seconded the motion. The motion passed unanimously.

The committee considered an October 11, 2017 application from the Utah Chapter IAEI for a total of $9,645.00. Shane Honey made a motion to approve the funding request. Doug Hawkes seconded the motion. The motion passed unanimously.

The committee considered a November 8, 2017 application from the Utah Chapter IAEI for a total of $560.00. Shane Honey made a motion to approve the funding request. Doug Hawkes seconded the motion. The motion passed unanimously.
The committee considered a January 10, 2018 application from the Utah Chapter IAEI for a total of $560.00. Shane Honey made a motion to approve the funding request. Doug Hawkes seconded the motion. The motion passed unanimously.

The committee considered a February 14, 2018 application from the Utah Chapter IAEI for a total of $560.00. Shane Honey made a motion to approve the funding request. Doug Hawkes seconded the motion. The motion passed unanimously.

The committee considered a March 13, 2018 application from the Utah Chapter IAEI for a total of $5,445.00. Shane Honey made a motion to approve the funding request. Doug Hawkes seconded the motion. The motion passed unanimously.

The committee considered a March 14, 2018 application from the Utah Chapter IAEI for a total of $5,445.00. Shane Honey made a motion to approve the funding request. Doug Hawkes seconded the motion. The motion passed unanimously.

The committee considered an April 11, 2018 application from the Utah Chapter IAEI for a total of $560.00. Shane Honey made a motion to approve the funding request. Doug Hawkes seconded the motion. The motion passed unanimously.

The committee considered a May 6-9, 2018 application from the Utah Chapter IAEI for a total of $16,300.00. Shane Honey made a motion to approve the funding request. Doug Hawkes seconded the motion. The motion passed unanimously.

The committee considered an August 15 & 16, 2017 application from the Utah Chapter ICC for a total of $5,000.00. John Chase made a motion to approve the funding request. Kathy LeMay seconded the motion. The motion passed unanimously.

The committee considered a September 19 & 20, 2017 application from the Utah Chapter ICC for a total of $5,000.00. John Chase made a motion to approve the funding request. Kathy LeMay seconded the motion. The motion passed unanimously.

The committee considered an October 17 & 18, 2017 application from the Utah Chapter ICC for a total of $5,000.00. John Chase made a motion to approve the funding request. Kathy LeMay seconded the motion. The motion passed unanimously.

The committee considered a November 14 & 15, 2017 application from the Utah Chapter ICC for a total of $5,000.00. John Chase made a motion to approve the funding request. Kathy LeMay seconded the motion. The motion passed unanimously.
The committee considered a December 13 & 14, 2017 application from the Utah Chapter ICC for a total of $5,000.00. John Chase made a motion to approve the funding request. Kathy LeMay seconded the motion. The motion passed unanimously.

The committee considered a January 16 & 17, 2018 application from the Utah Chapter ICC for a total of $5,000.00. John Chase made a motion to approve the funding request. Kathy LeMay seconded the motion. The motion passed unanimously.

The committee considered a February 19-23, 2018 application from the Utah Chapter ICC for a total of $40,000.00. John Chase made a motion to approve the funding request. Kathy LeMay seconded the motion. The motion passed unanimously.

The committee considered a March 19 & 20, 2018 application from the Utah Chapter ICC for a total of $5,000.00. John Chase made a motion to approve the funding request. Kathy LeMay seconded the motion. The motion passed unanimously.

The committee considered an April 17 & 18, 2018 application from the Utah Chapter ICC for a total of $5,000.00. John Chase made a motion to approve the funding request. Kathy LeMay seconded the motion. The motion passed unanimously.

The committee considered a May 15 & 16, 2018 application from the Utah Chapter ICC for a total of $5,000.00. John Chase made a motion to approve the funding request. Kathy LeMay seconded the motion. The motion passed unanimously.

The committee considered an August 2017 – May 2018 application from the Utah Chapter ICC for a total of $2,000.00. John Chase made a motion to approve the funding request. Kathy LeMay seconded the motion. The motion passed unanimously.

The committee considered an August 21-24, 2017 application from the IEC of Utah for a total of $2,000.00. Jennifer Saunders made a motion to approve the funding request. Doug Hawkes seconded the motion. The motion passed unanimously.

The committee considered a September 11-15, 2017 application from the IEC of Utah for a total of $2,000.00. Jennifer Saunders made a motion to approve the funding request. Doug Hawkes seconded the motion. The motion passed unanimously.

The committee considered an October 7, 2017 application from the IEC of Utah for a total of $10,140.00. Jennifer Saunders made a motion to approve the funding request. Doug Hawkes seconded the motion. The motion passed unanimously.
The committee considered a November 29, 2017 application from the IEC of Utah for a total of $1,320.00. Jennifer Saunders made a motion to approve the funding request. Doug Hawkes seconded the motion. The motion passed unanimously.

The committee considered a January 19, 2018 application from the IEC of Utah for a total of $3,313.00. Jennifer Saunders made a motion to approve the funding request. Doug Hawkes seconded the motion. The motion passed unanimously.

The committee considered a February 7 & 8, 2018 application from the IEC of Utah for a total of $4,329.00. Jennifer Saunders made a motion to approve the funding request. Doug Hawkes seconded the motion. The motion passed unanimously.

The committee considered a March 14 & 15, 2018 application from the IEC of Utah for a total of $11,928.00. Jennifer Saunders made a motion to approve the funding request. Doug Hawkes seconded the motion. The motion passed unanimously.

The committee considered a March 21, 2018 application from the IEC of Utah for a total of $1,280.00. Jennifer Saunders made a motion to approve the funding request. Doug Hawkes seconded the motion. The motion passed unanimously.

The committee considered an April 11 & 12, 2018 application from the IEC of Utah for a total of $3,882.00. Jennifer Saunders made a motion to approve the funding request. Doug Hawkes seconded the motion. The motion passed unanimously.

The committee considered a May 9 & 10, 2018 application from the IEC of Utah for a total of $3,882.00. Jennifer Saunders made a motion to approve the funding request. Doug Hawkes seconded the motion. The motion passed unanimously.

The committee considered a July 7, 8, 15, 2017 application from the RMGA for a total of $6,227.17. Kathy LeMay made a motion to approve the funding request with adjustments to newsletter advertising and printing at minus 50% for a new total of $5,794.64 Robert Patterson seconded the motion. The motion passed unanimously.

The committee considered a September 15, 16, 23, 2017 application from the RMGA for a total of $6,227.17. Kathy LeMay made a motion to approve the funding request with adjustments to newsletter advertising and printing at minus 50%
for a new total of $5,794.64 Robert Patterson seconded the motion. The motion passed unanimously.

The committee considered a November 3, 4, 11, 2017 application from the RMGA for a total of $6,227.17. Kathy LeMay made a motion to approve the funding request with adjustments to newsletter advertising and printing at 50% rate for a new total of $5,794.64 Robert Patterson seconded the motion. The motion passed unanimously.

The committee considered a January 12, 13, 2018 application from the RMGA for a total of $6,227.17. Kathy LeMay made a motion to approve the funding request with adjustments to newsletter advertising and printing at 50% rate for a new total of $5,794.64 Robert Patterson seconded the motion. The motion passed unanimously.

The committee considered a March 2, 3, 10, 2018 application from the RMGA for a total of $6,227.17. Kathy LeMay made a motion to approve the funding request with adjustments to newsletter advertising and printing at 50% rate for a new total of $5,794.64 Robert Patterson seconded the motion. The motion passed unanimously.

The committee considered a March 14, 2018 application from the RMGA for a total of $934.00. Kathy LeMay made a motion to approve the funding request. Robert Patterson seconded the motion. The motion passed unanimously.

The committee considered a May 11, 12, 19, 2018 application from the RMGA for a total of $6,227.17. Kathy LeMay made a motion to approve the funding request with adjustments to newsletter advertising and printing at 50% rate for a new total of $5,794.64 Robert Patterson seconded the motion. The motion passed unanimously.

The committee considered a February 28, 2017 request for reimbursement from HBA of Utah for a total of $5,418.06. Shane Honey made a motion to approve the request for reimbursement. Robert Patterson seconded the motion. The motion passed unanimously.

The committee considered a March 11, 2017 request for reimbursement from Salt Lake Community College for a total of $1,485.60. John Chase made a motion to approve the request for
DISCUSSION:

reimbursement. Kathy LeMay seconded the motion. The motion passed unanimously with Jennifer Saunders abstaining from the vote.

The committee considered a March 7, 2017 request for reimbursement from Utah chapter IAEI for a total of $2,811.90. Doug Hawkes made a motion to approve the request for reimbursement. Kathy Lemay seconded the motion. The motion passed unanimously.

The committee considered a March 8, 2017 request for reimbursement from Utah Chapter IAEI for a total of $2,602.30. Doug Hawkes made a motion to approve the request for reimbursement. Kathy LeMay seconded the motion. The motion passed unanimously.

The committee considered a February 8 & 9, 2017 request for reimbursement from IEC of Utah for a total of $3,723.40. The DOPL upload fee of $240.00 to be added to the reimbursement for a new total of $3,963.40. Doug Hawkes made a motion to approve the request for reimbursement. Kathy LeMay seconded the motion. The motion passed unanimously.

The committee considered a February 17, 2017 request for reimbursement from IEC of Utah for a total of $2,262.40. The DOPL upload fee of $126.00 to be added to the reimbursement for a new total of $2388.40. Doug Hawkes made a motion to approve the request for reimbursement. Kathy LeMay seconded the motion. The motion passed unanimously.

The committee considered a January 13, 14, 21, 2017 request for reimbursement from RMGA for a total of $6,457.99. John Chase made a motion to approve the request for reimbursement. Shane Honey seconded the motion. The motion passed unanimously.

The committee considered a March 15, 2017 request for reimbursement from RMGA for a total of $13,758.64. John Chase made a motion to approve the request for reimbursement. Shane Honey seconded the motion. The motion passed unanimously.

Funding Requests: Name of Instructor-Reimbursements: Bias & Background

The committee discussed having the instructor’s name listed on the initial application. The committee also discussed instructor bios being submitted with the reimbursement. Due to the length of the
agenda, the committee agreed to discuss these ideas at a later date. The topic was tabled for future discussion.

**Building Inspector – Code Books**

The committee discussed funding code books for inspectors. Robyn Barkdull presented options of offering funding for code books. The committee discussed setting guidelines for who may obtain a code book. The committee decided on a policy to be noted on the application stating that code books should not be issued to governmental agencies or employees. John Chase made a motion to incorporate a guideline indicating that code books should not be reimbursed for governmental entity employees and it should be added onto the application. Shane Honey Seconded. The motion passed unanimously.

**Facility Cost Guidelines** – tabled for future discussion

**Committee Terms** – presented to committee members

Robyn Barkdull to look into the topic of adding workbooks in section B and the $10 per student rule for future discussions.

**NEXT MEETING:**

The next committee meeting is scheduled for Tuesday, May 16, 2017; 1:30 p.m.; in Room 464 (Fourth Floor) of the Heber M. Wells Building, Salt Lake City.

**ADJOURN:**

Adjourned at 3:59 p.m. (no motion required)

*Note: These minutes are not intended to be a verbatim transcript but are intended to record the significant features of the business conducted in this meeting. Discussed items are not necessarily shown in the chronological order they occurred.*

________________________________________
Signature & Date Approved
Chairperson, Craig Browne
Chairperson, UBCC Education Advisory Committee

________________________________________
Signature & Date Approved
Robyn Barkdull
Construction CE Manager, Division of Occupational and Professional Licensing
MINUTES

UTAH
UBCC EDUCATION ADVISORY COMMITTEE
MEETING
May 16, 2017

Room 464 Fourth Floor – 1:30 p.m.
Heber M. Wells Building
Salt Lake City, UT 84111

CONVENED: 1:30 pm

Construction CE Manager: Robyn Barkdoll
Board Secretary: Boyce Barnes
Division Director: Mark Steinagel

Committee Members Present: John Chase
Kathy LeMay
Jennifer Saunders
Craig Browne
Doug Hawkes
Robert Patterson
Patrick Tomasinò

Committee Members Absent: Debbie Adams
Shane Honey

Guests: Dave Hill – UPHCA
Ross Ford – HBA
Jason Frazier – UAPMO

ADJOURNED: 2:48 pm

DECISIONS AND RECOMMENDATIONS
Kathy LeMay made a motion to approve the minutes from the April 18, 2017 meeting. Doug Hawkes seconded the motion. The motion passed unanimously.
The budget reports were presented and reviewed by the Committee. Questions were asked and answered.

The committee considered a September 16, 2017 application from the UPHCA for a total of $1,140.00. The committee discussed whether this course meets the requirements for code training. The committee decided that half of the hours do meet the requirements for code. A new amount of $820.00 was approved. John Chase made a motion to approve the funding request with the modification discussed. Robert Patterson seconded the motion. The motion passed unanimously.

The committee considered a March 10, 2018 application from the UPHCA for a total of $1,700.00. The committee discussed whether this course meets the requirements for code training. The committee decided that half of the hours do meet the requirements for code. A new amount of $1,100.00 was approved. John Chase made a motion to approve the funding request with the modification discussed. Robert Patterson seconded the motion. The motion passed unanimously.

The committee considered an April 14, 2018 application from the UPHCA for a total of $1,140.00. The committee discussed whether this course meets the requirements for code training. The committee decided that half of the hours do meet the requirements for code. A new amount of $820.00 was approved. John Chase made a motion to approve the funding request with the modification discussed. Robert Patterson seconded the motion. The motion passed unanimously.

The committee considered a November 3, 2017 application from the Southern Utah HBA for a total of $38,350.00. Kathy LeMay made a motion to approve the funding request as amended with further direction to the applicant that reimbursement will only be granted for code instruction. Patrick Tomasino seconded the motion. The motion passed unanimously.

The committee considered a November 16, 2017 application from the Southern Utah HBA for a total of $5,300.00. Kathy LeMay made a motion to approve the funding request as amended with further direction to the applicant that reimbursement will only be granted for code instruction. Patrick Tomasino seconded the motion. The motion passed unanimously.
The committee considered an April 2018 application from the Southern Utah HBA for a total of $2,850.00. Kathy LeMay made a motion to approve the funding request as amended with further direction to the applicant that reimbursement will only be granted for code instruction. Patrick Tomasino seconded the motion. The motion to table the application passed unanimously.

The committee considered a May 2018 application from the Southern Utah HBA for a total of $2,850.00. Kathy LeMay made a motion to approve the funding request as amended with further direction to the applicant that reimbursement will only be granted for code instruction. Patrick Tomasino seconded the motion. The motion to table the application passed unanimously.

The committee considered a September 12, 2017 application from the UAPMO for a total of $4,705.00. Patrick Tomasino made a motion to approve the funding request. Jennifer Saunders seconded the motion. The motion passed unanimously.

The committee considered a September 13, 2017 application from the UAPMO for a total of $4,705.00. Patrick Tomasino made a motion to approve the funding request. Jennifer Saunders seconded the motion. The motion passed unanimously.

The committee considered a November 15-17, 2017 application from the UAPMO for a total of $16,350.00. Patrick Tomasino made a motion to approve the funding request. Jennifer Saunders seconded the motion. The motion passed unanimously.

The committee considered a January 9, 2018 application from the UAPMO for a total of $4,955.00. Patrick Tomasino made a motion to approve the funding request. Jennifer Saunders seconded the motion. The motion passed unanimously.

The committee considered a January 10, 2018 application from the UAPMO for a total of $4,955.00. Patrick Tomasino made a motion to approve the funding request. Jennifer Saunders seconded the motion. The motion passed unanimously.

The committee considered a March 20, 2018 application from the UAPMO for a total of $4,455.00. Patrick Tomasino made a motion to approve the funding request. Jennifer Saunders seconded the motion. The motion passed unanimously.

The committee considered a March 21, 2018 application from
UBCC APPLICATION FOR REIMBURSEMENT:

The committee considered a March 3, 4, 11, 2017 request for reimbursement from RMGA for a total of $6,423.44. Kathy LeMay made a motion to approve the request for reimbursement. John Chase seconded the motion. The motion passed unanimously.

The committee considered an April 4, 2017 request for reimbursement from HBA of Utah for a total of $10,432.37. Patrick Tomasino made a motion to approve the request for reimbursement. Doug Hawkes seconded the motion. The motion passed unanimously.

DISCUSSION:

Language for application regarding code book reimbursements

Robyn Barkdull presented an updated application with updated language regarding who can obtain code books.

Workbook Reimbursement – Already included in Rule

Add a line, on the reimbursement form, for other educational material in section B under code books.

June Meeting – Elect new chairperson

Next meeting

DISCUSSION:

Instructor approval

Jennifer Saunders drafted language that recommended applications require the instructor be determined when the application for funding is submitted for approval by the committee. The committee discussed the
issue at length where arguments for and against were presented. No consensus was reached, so a decision to continue the discussion at a later date was agreed upon.

NEXT MEETING:

The next committee meeting is scheduled for Tuesday, June 20, 2017; 1:30 p.m.; in Room 402 (Fourth Floor) of the Heber M. Wells Building, Salt Lake City.

ADJOURN:

Adjourned at 2:48 p.m. (no motion required)

Note: These minutes are not intended to be a verbatim transcript but are intended to record the significant features of the business conducted in this meeting. Discussed items are not necessarily shown in the chronological order they occurred.

Chairperson, Craig Browne
Chairperson, UBCC Education Advisory Committee

Robyn Barkdull
Construction CE Manager, Division of Occupational and Professional Licensing
UNIFORM BUILDING CODE COMMISSION

ELECTRICAL ADVISORY COMMITTEE
MEETING

January 12, 2017
Room 475 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 VanAustral (absent)
Joseph Taft  Chris Joyal
Rhett Butler (excused)  David Winger (excused)
Steve Woodman

VISITORS
Steve Morley  R. Cowley

MINUTES

A motion was made by Chris Joyal to approve the minutes from the November 10, 2016 meeting as written. The motion was seconded by Joseph Taft and passed unanimously.

PLAN THE REVIEW OF THE 2017
NEC

The committee discussed how they were going to go about the review of the 2017 NEC. Dan Jones explained the process that could be followed to have an all-day continuing education class that would be open to all interested parties. It was recommended that the committee try to get Tim McClintock from NFPA to conduct the class. The significant changes for the 2017 NEC will be provided. The class will be held from 8-5.

The meeting adjourned at 3:36.

Note: These minutes are not intended to be a verbatim transcript but are intended to record the significant features of the business conducted in this meeting. Discussed items are not necessarily shown in the chronological order they occurred.
UNIFORM BUILDING CODE COMMISSION

ELECTRICAL ADVISORY COMMITTEE
MEETING

March 9, 2017
Room 341 Sandy City Hall
10000 Centennial Pkwy Sandy, UT

STAFF
Chris Rogers, Bureau Manager
Sharon Smalley, Board Secretary

ELECTRICAL ADVISORY COMMITTEE MEMBERS
Chris Jensen (excused)               Joseph Taft
Chris Joyal, Liaison                Rhett Butler (excused)
David Winger                       Steve Woodman
Jason VanAusdal

VISITORS
Tim McClintock, NFPA

INTRODUCE CHRIS ROGERS,
BUREAU MANAGER

Chris Rogers was introduced as the new bureau manager.

MINUTES

A motion was made by Jason VanAusdal to approve the minutes from the January 12, 2017 minutes as written. The motion was seconded by Joseph Taft and passed unanimously. It was noted that an error was made in approving the minutes from the November 10, 2016 meeting. Steve Woodman’s name was not added as a committee member.

REVIEW THE 2017 NEC

The meeting was turned over to Tim McClintock from NFPA for the training on the 2017 NEC.

The meeting adjourned at 4:00.

Note: These minutes are not intended to be a verbatim transcript but are intended to record the significant features of the business conducted in this meeting. Discussed items are not necessarily shown in the chronological order they occurred.
UNIFORM BUILDING CODE COMMISSION

ELECTRICAL ADVISORY COMMITTEE
MEETING

April 13, 2017
Room 402 Heber M Wells Building
160 E 300 S Salt Lake City, UT

NOTES

STAFF
Chris Rogers, Bureau Manager
Sharon Smalley, Board Secretary

ELECTRICAL ADVISORY COMMITTEE MEMBERS
Chris Jensen
Joseph Taft (absent)
Rhett Butler (absent)
Steve Woodman (absent)

Jason VanAusdal
Chris Joyal
David Winger (absent)

VISITORS

No meeting was held as there was not a quorum present. Due to several conflicts, it was agreed that the next meeting will be held on Monday, May 15th.

Assignments were made for the review of the 2017 NEC. Chris Jensen will email the committee with the assignments. Everyone will review chapters 1-4. Chris Joyal and Joseph Taft will review chapter 5. Jason VanAusdal and Dave Winger will review chapter 6 up to article 690. Chris Jensen, Rhett Butler and Steve Woodman will do the rest of chapter 6 and 7.

The meeting adjourned at 3:20.

Note: These minutes are not intended to be a verbatim transcript but are intended to record the significant features of the business conducted in this meeting. Discussed items are not necessarily shown in the chronological order they occurred.
MINUTES

A motion was made by Dave Winger to approve the minutes from the March 9, 2017 meeting as written. The motion was seconded by Steve Woodman and passed unanimously.

REVIEW THE 2017 NEC

The committee began their review of the 2017 NEC for a cost and benefit analysis. During the discussion, the following articles were pointed out to have the most significant change.

Chris Jensen started the review by pointing out the significant changes in Chapter 1 and reported that he found the changes were minimal. The new exception in 110.26(3) will be a cost savings.

The following Articles were also pointed out for either a cost increase or savings:

The changes to Article 210.5(C)(1) will be a significant cost savings on existing buildings.

The change to Article 210.8(B) has the possibility of increasing the cost to some occupancies and should be pointed out. The increase in requirements
should be pointed out. The increase in requirements is due to the increase in electrical shock hazards. Mr. Jensen pointed out that the savings in life safety warrants the additional costs. The cost increase will be determined and further documentation will be gathered for the next meeting.

Article 210.12(C) will also have a cost increase of approximately $100 per unit.

The change in 210.52(C)(3) and 210.52(G) will be a cost savings.

The new exception in 210.64 will have a significant cost savings of up to $1200 to $1300.

The decision was tabled until the next meeting for the new section 210.71 for a possible amendment.

The change to exception No 2 in 220.12 will be a large cost savings.

The new 240.67 will be a cost increase for larger projects but it does not go into effect until January of 2020. The committee will continue the discussion and make a possible amendment to change the effect date to coordinate with the adoption of the 2020 NEC.

Other changes that will be a minimal cost savings are the changes made in 240.87, 250.52 and 250.68.

310.15(B)(3)(C) and (7) will be a fairly large cost savings.

338.10(B)(4) is a significant cost savings. The committee will consider a possible amendment to the 2015 electrical portion of the IRC to implement the allowance for current home builders.

The majority of the changes in Chapter 4 are mostly either clerical or for clarification.

430.53(D)(4) will now allow for a savings in cost.
The change in 555.3 will be an increase in cost but a significant cost savings in life safety.

There will be a significant cost savings with the changes in Article 590.

The changes in Chapter 6 will allow for an over-all cost savings.

No significant changes were noted in Chapter 7.

The changes in Chapter 8 and 9 are mostly for clarification.

A motion was made by Jason VanAusdal to delete the current amendment for Title 15A-3-601 (2) Section 240.87(B) as it is now covered in the 2017 NEC. The motion was seconded by Dave Winger and passed unanimously.

Next meeting will be June 8th. The committee will review two possible amendments and make a final recommendation.

The meeting adjourned at 4:42.

Note: These minutes are not intended to be a verbatim transcript but are intended to record the significant features of the business conducted in this meeting. Discussed items are not necessarily shown in the chronological order they occurred.
UNIFORM BUILDING CODE COMMISSION

ELECTRICAL ADVISORY COMMITTEE
MEETING

June 8, 2017
Room 475 Heber M Wells Building
160 E 300 S Salt Lake City, UT

NOTES

STAFF
Robyn Barkdull, Bureau Manager
Sharon Smalley, Board Secretary

ELECTRICAL ADVISORY COMMITTEE MEMBERS
Chris Jensen
Joseph Taft
Rhett Butler (excused)
Steve Woodman

VISITORS
Ross Ford, HBA

MINUTES

A motion was made by Steve Woodman to approve the minutes from the May 15, 2017 meeting as written. The motion was seconded by Joseph Taft and passed unanimously.

REVIEW AMENDMENTS FOR 2015 IRC SECTION E3705.4.5 AND 2017 NEC SECTION 240.67

Chris Jensen gave an explanation for the proposed amendment for the 2015 IRC. A motion was made by Jason VanAusdal to approve the proposal for IRC Section E3705.4.5. The motion was seconded by Steve Woodman and passed unanimously.

Chris Jensen gave the background for the proposal for Section 240.67. Following the discussion on the proposal, a motion was made by Joseph Taft to approve the proposed amendment. The motion was seconded by Steve Woodman and passed unanimously.

COMPLETE REVIEW OF 2017 NEC

The committee continued their discussion on the changes in the 2017 NEC and pointed out the fact that technology changes every day and going with the most current code will make it easier for installers and inspectors. There will be some
MAKE A RECOMMENDATION TO THE UBC COMMISSION FOR THE 2017 NEC

Chris Jensen read a letter that he drafted for the committee's recommendation to the Uniform Building Code Commission to adopt the 2017 NEC with the deletion of one current amendment and the addition of one new amendment. The committee is also recommending a new amendment to the electrical portion of the 2015 IRC. A motion was made by Jason Van Ausdal to approve the letter for the committee's recommendation. The motion was seconded by Joseph Taft and passed unanimously.

The committee discussed the cost difference from going from the 2014 NEC to the 2017 NEC.

The meeting adjourned at 4:42.

Note. These minutes are not intended to be a verbatim transcript but are intended to record the significant features of the business conducted in this meeting. Discussed items are not necessarily shown in the chronological order they occurred.
The following report and recommendation has been prepared by the Electrical Advisory Committee under the guidelines set forth in the “State Construction Code Administration and Adoption of Approved State Construction Code Rule”.

The Electrical Advisory Committee has extensively reviewed the changes found in the 2017 National Electrical Code. There were some changes that will result in a cost increase such as the requirement for GFCI protection in non-dwelling occupancies expanding to include single phase circuits up to 60 amps 150 volts to ground or less. These GFCI devices can cost $60.00 to $120.00. The expansion of the GFCI requirements to include these new circuits is driven by electrical safety. Electrical shock hazards exist in commercial and industrial occupancies in outdoor and wet location at the higher voltages than 120 volts. The expansion of the GFCI requirements will enhance electrical safety in commercial and industrial environments. There were also numerous changes that will result in significant saving to consumers. An exception that will allow a reduction of the overall lighting load when a building is designed to meet the energy code will result in smaller required electrical services for offices and banks. The ability to drop from an 800 amp to a 600 amp service can result in thousands of dollars in savings for the consumer.

During the review of the 2017 National Electrical Code the Electrical Advisory Committee came up with a proposed Amendment to section 240.67 that would delay the implementation of this section until the possible adoption of the 2020 National Electrical Code. This Amendment would allow the manufacturers more time to adjust to the requirement for arc energy reduction for fuses and therefore reduce any costs that may be incurred during early implementation of arc energy reduction. The electrical advisory committee also proposed an amendment to 210.8(B) that would eliminate the expansion of GFCI protection to include 3 phase circuits 150 volts to ground or less and 100 amps and less. The amendment will allow manufacturers time to come up with more cost effective measures to provide GFCI protection of 3 phase circuits. The current technology that is commercially available to provide this protection is a GFCI relay system which is costly. These GFCI relay systems cost upwards of $3,500.00.

Overall the Electrical Advisory Committee found that there would be, at most, a very small cost increase as a result of adopting the 2017 National Electrical Code. This small cost increase would be offset by the addition of new technologies and an increase in the welfare and safety of electrical workers and the public.

The Electrical Advisory Committee recommends that the Uniform Building Code Commission submit a recommendation to the Business and Labor Interim Committee to draft legislation adopting the 2017 National Electrical Code as part of the State Construction Code. Also as part of this recommendation we are recommending adoption of the Amendment to section 240.67.

The Electrical Advisory Committee recommends adoption of an Amendment to the 2015 International Residential Code. This Amendment is to Section E3705.4.5 and would update the 2015 IRC section dealing with residential feeders to relax the rules and allow a smaller size feeder when the
feeder is installed in thermal insulation. This Amendment will create a cost savings when installing feeders in thermal insulation.

Chris Jensen

Chairman Uniform Building Code Commission Electrical Advisory Committee
COST BENEFIT ANALYSIS OF THE 2017 NATIONAL ELECTRICAL CODE

The highlighted lines are savings and the non-highlighted lines are costs. These represent the largest costs and savings that could be determined due to the changes in the 2017 NEC. The results of these numbers indicate that there is overall a cost saving to the State of Utah with the adoption of the 2017 NEC with the 2 amendments that have been proposed by the Uniform Building Code Commission Electrical Advisory Committee.

1. 110.16: Marking of services 1200 amperes and larger with clearing time of service overcurrent protective devices. This will be a cost of 1 hour of engineering time to determine the clearing time. $100.00
2. 210.5(C)(1) Exception: The new exception will allow existing electrical systems to remain identified as they were installed and not be re-marked when new systems are installed. This is a savings. This could save many hours of labor. $100.00 to $10,000.
3. 210.8(B): GFCI protection of 208 and 240 volt single phase circuits up to 60 amps. This will be a cost of between $60.00 and $120.00
4. 210.8(B): Amendment to remove from the 2017 NEC GFCI Protection of 3 phase circuits 150 volts to ground and less 100 amps and less. This will be a cost savings of $800.00 to $3,200.00 for GFCI relays.
5. 210.12(B): AFCI expansion in dormitories to include bathrooms. This is a cost of $35.00 per dormitory room.
6. 210.12(C): AFCI expansion to guest rooms in hotels and motels. This is a cost of $140.00 to $175.00 per guest room or guest suite.
7. 210.64: remove the requirement for a 120 volt receptacle from electric service areas outdoors and for services for driven irrigation machinery. This is a cost savings of between $100.00 and $500.00 for a typical outdoor service area and could be a cost savings of $1,000.00 to $5,000.00 for irrigation pivots where a transformer would be necessary to derive a 120 volt circuit.
8. 210.71: New requirement for receptacles in Meeting rooms. This will be a cost $100.00 to $2,000.00. Many meeting rooms are already designed with receptacles to meet this requirement. The floor boxes are the main cost.
9. 220.12 Exception #2: This new exception will allow office buildings to be designed with a reduced lighting load of 1 VA per square foot when buildings are designed in accordance with the IECC. This is a significant cost savings. This could reduce the size of electrical services. The savings could be $10,000.00 +.
10. 240.67 Amendment: New requirement for Arc Energy Reduction for fuses. This amendment will result in a cost savings of $2,500
11. 240.87: 2 new methods for reducing arcing energy for circuit breakers will provide a cost effective method for reducing arcing energy. $10,000.00 savings.
12. 310.15(B)(3)(c): Removal of the adjustment factors for conductors installed on a roof top will result in smaller conductors being used and therefore a cost savings of from a few cents per foot of conductor to a few dollars per foot depending on the size of the conductors.
13. 310.15(B)(7): Allowing 3 phase services to use the 83% reduction in conductor sizing for main power feeders and service entrance conductors will result in a cost savings of approximately $1.00 per foot of conductor.

14. 338.10(B)(4)(a): The reduction in conductor sizing that is required to be sized in accordance with the 60 degree C column of Table 310.15(B)(16) will result in smaller conductor sizes and a cost savings of $1.00 per foot. This section is the basis of the proposed amendment to the IRC.

15. 555.3: The expansion of 30 mA ground fault protection to all overcurrent protective devices in marinas and boatyards will result in a cost increase. These GFPE devices cost between $60.00 and $120.00 each.

16. 590.4(B) & (C): The allowance for NM and SE cable used as temporary wiring methods for feeders and branch circuits will result in a cost savings due to the inexpensive cost of these wiring methods instead of using MC Cable or other wiring methods. This could result in a savings of $0.50 to $2.00 per foot of cable.

17. 695.15: Requirement for Surge Protective device on fire pumps: This requirement will result in a cost increase of approximately $2,000.00

18. 700.3(F): Requirement for provisions to connect a temporary power source to an emergency generator for maintenance. This will require an additional transfer switch with provisions for connecting a portable generator to the building. This will be an additional cost of approximately $10,000.00 to emergency systems that consist of an emergency generator.

Prepared by

Chris Jensen

Chairman Uniform Building Code Commission Electrical Advisory Committee