DIVISION OF BUILDING SAFETY

IDAHO BUILDING CODE
BOARD MEETING

February 9, 2010
**Agenda Item No. 01**

**OBJECTIVE:** Approval of the February 9, 2010 Idaho Building Code Board’s meeting agenda.

**ACTION:** Consent

**BACKGROUND:**

**PROCEDURAL HISTORY:**

**ATTACHMENTS:** Copy of the February 9, 2010 Idaho Building Code Board’s tentative agenda.
Notice of Public Meeting

Idaho Building Code Board
Division of Building Safety
Board Conference Room
1090 East Watertower Street, Meridian, ID 83642
(208) 334-3950 -- dbs.idaho.gov

AGENDA
Tuesday, February 9, 2010
(Please note the following agenda items and time schedule are tentative pending board action.)

9:30 a.m.  CALL TO ORDER – Ron Whitney, Vice Chairman
o  Roll Call & Introductions
o  Welcome to New Board Members
o  Service Recognition to Departing Board Members
o  Open Forum

CONSENT AGENDA
1. Approval of the February 9, 2010 Agenda
2. Approval of the October 20, 2009 Board Meeting Minutes

ACTION AGENDA
3. Election of Officers – Ron Whitney

INFORMATIONAL AGENDA
4. Proposed Change to the 2009 IECC for Log Homes – Jim Young, Log Home Council
5. Potential Code Amendments – Patrick Grace
7. Administrator’s Report
   b. CAS – C. Kelly Pearce and Janice Foster
   c. Administrator – C. Kelly Pearce

EXECUTIVE SESSION (If needed)

12:00 p.m.  ADJOURN

All times other than beginning are approximate. Agenda items may shift depending on board preference. 01/20/10rb
OBJECTIVE: To approve the October 20, 2009 Idaho Building Code Board Meeting Minutes.

ACTION: Consent

BACKGROUND:

PROCEDURAL HISTORY:

ATTACHMENTS: Copy of the October 20, 2009 Idaho Building Code Board’s “draft” minutes
The meeting was called to order by Vice Chairman Ron Whitney at 9:34 a.m. on Tuesday, October 20, 2009.

♦ Open Forum
No items were addressed.

Chuck Bleth was welcomed to the Board as the new Modular Building Industry Representative.

Kelly Daniels was recognized for his many years of service on the Board.

♦ Approval of the October 20, 2009 Agenda

MOTION: Mike Tracy made a motion to approve the October 20, 2009 Agenda. Doug Brown seconded. All in favor, motion carried.

♦ Approval of the August 12, 2009 Board Meeting Minutes
Clarification was asked of the topic on page three, “Decisions for 2009 Code Amendments”. Local jurisdictions can not put back into the code sprinklers as they have been exempted by state statute for single and two-family dwellings.

MOTION: Doug Brown made a motion to approve the August 12, 2009 meeting minutes. Ken Sommer seconded. All in favor, motion carried.
♦ Schedule 2010 Meetings
The 2010 Building Code Board meeting dates are as follows: February 9th (Tuesday), April 6th (Tuesday), June 8th (Tuesday), and October 19th (Tuesday). To be in compliance with the negotiated rule making process, the April and June meetings will also be held as public hearings.

**MOTION:** Doug Brown made a motion to accept the 2010 meeting dates. Mike Tracy seconded. All in favor, motion carried.

♦ Proposed Changes to the 2009 IECC
Jim Young, representative for the Log Homes Council, asked the Board to consider including a footnote to Table 402.1.1 of the proposed 2009 IECC legislation recognizing the standard of the design and construction of log homes.

The negotiated rulemaking process has been completed and the draft proposal to adopt the 2009 code has been submitted for the 2010 legislative session. If adopted, the 2009 IECC would become effective January 2011.

The Board requested the Log Homes Council to bring back an example of what the ICC 400 would allow relative to the 2009 IECC. Upon the Board’s satisfaction that the intent meets the 2009 IECC, a temporary rule could be established during the interim of the effective date.

A question arose as to how many states have adopted the 2007 ICC 400 LOG code. Kraig Stevenson with ICC will research; bringing the information to the February 2010 meeting.

Additional testimony was presented by the log home industry.

**ACTION:** As requested above, Jim Young and Kraig Stevenson to bring additional documentation to the February 9, 2010 Board meeting.

♦ Energy Conservation
Art Carlson gave a PowerPoint presentation on RadiantFoil and the favorable affects the reflective insulation has had on commercial and residential properties that have used this product.

♦ Bureau Chief's Report
The Building Bureau activity has been slow over the last several months. Last quarter, the plan review program processed four small school and nine state projects.

♦ Administrator's Report
Economy – C. Kelly Pearce addressed the impact the economy has had on the Agency. At the close of the 2009 fiscal year the Division under spent their Appropriation by 22.9 percent.

**HOKU** – The project “HOKU” in Pocatello has found a benefactor in the Chinese government. The construction of the plant proceeds at a full pace. It is anticipated that by this time next year the plant will be in full production of the building of polysilicon solar cells for worldwide distribution.

**Geothermal Plant** – The Northern Shoshone Tribe announced that the construction of a 100 megawatt geothermal plant on the Bear River will soon commence.
Kibbie Dome – A major safety oriented remodeling project on the Kibbie Dome in Moscow, Idaho, is currently in progress.


Multi-Hat Inspectors – In an effort to utilize employees to their fullest capacity, while continuing to offer efficient service to the areas hardest hit by the Division’s layoffs, employees are being cross-trained in as many areas as possible.

Workforce Reduction – C. Kelly Pearce explained the cost the state incurs by placing employees on furloughs rather than layoffs. With the continuous downturn in the economy, the Division anticipates additional layoffs across the Agency.

CAS – The Agency has provided and continues to provide training throughout the state, informing contractors on how to use the Division’s Customer Access System (CAS).

The on-line system, to access permits, licenses and inspections, does not work properly. To improve the on-line capabilities, the Division will begin working with Access Idaho, a vendor currently contracted with the state of Idaho. Access Idaho focuses primarily on web development.

DOX Presentation – DOX is a paperless plan review process; ensuring construction contract documents are in compliance with the codes. Via PowerPoint presentation, Lisa Stover reviewed this program. The Division has the ability to accept and review plans electronically, as well as to circulate them internally and externally for review and/or changes.

♦ Executive Session
No Executive Session was required.

Vice Chairman Ron Whitney adjourned the meeting at 12:50 p.m.

ED WAGNER, CHAIRMAN  C. KELLY PEARCE, ADMINISTRATOR
IDAHO BUILDING CODE BOARD  DIVISION OF BUILDING SAFETY

DATE  DATE

*These DRAFT minutes are subject to possible correction and final approval by the State of Idaho Building Code Board. 11/23/09rb
IDAHO BUILDING CODE BOARD

Agenda Item No. 03  Election of Officers

OBJECTIVE: To appoint an active board member to the chairman position.

ACTION: Consent

BACKGROUND: To vote for a chairman and vice chairman to oversee the Board.

PROCEDURAL Idaho Code 39-4106 (2) states in part, “elect by majority vote of the members of the board, a chairman shall preside at meeting of the board.”

HISTORY:

ATTACHMENTS: No documentation
Agenda Item No. 04  IECC Proposed Changes

OBJECTIVE: To consider proposed amendments to the 2009 IECC specifically addressing log home construction.

ACTION: Informational

BACKGROUND: At the August 2009 Building Code Board meeting the Board adopted the 2009 International Energy Conservation Code (IECC) without any amendment thereto. If approved by the Idaho legislature, the 2009 IECC would become effective on January 1, 2011. At the October board meeting, representatives from the log home industry brought proposed amendments to the Board which would exempt log homes from the requirements of the 2009 IECC. The Board Chairman and Vice Chairman worked with participants within the log home and energy industries as well as several interested legislators to find a path for log homes to comply with the 2009 IECC rather than simply exempt them from the requirements. The attached draft rules represent that path.

PROCEDURAL HISTORY: The adoption of the IECC (along with amendments thereto) requires two public meetings. Although the 2009 IECC was adopted last year by the Board, amendment to it addressing log homes was not part of that code adoption process. Consequently, the proposed amendments to the code addressing log homes will be discussed at the next two Building Code Board meeting (public meetings). The proposed amendments offered by the log home industry were already submitted to the Board at the October meeting.

ATTACHMENTS: Draft IDAPA rules providing amendment to the 2009 IECC as it relates to log home requirements.
IDAPA 07 TITLE 03 CHAPTER 01
07.03.01 - RULES OF BUILDING SAFETY

000. LEGAL AUTHORITY. The Idaho Building Code Board of the Division of Building Safety is authorized under Section 39-4107, Idaho Code, to promulgate rules concerning the enforcement and administration of the Idaho Building Code Act. (3-30-06)

001. TITLE AND SCOPE.
   01. Title. These rules shall be cited as IDAPA 07.03.01, “Rules of Building Safety,” Division of Building Safety. (3-30-06)
   
   02. Scope. These rules prescribe the criteria for enforcement and administration of the Idaho Building Code Act by the Idaho Building Code Board and the Building Bureau of the Division of Building Safety. (3-30-06)

002. WRITTEN INTERPRETATIONS. In accordance with Section 67-5201(19)(b)(iv), Idaho Code, this agency has statements that pertain to the interpretation of the rules of this chapter. These statements are available for review and copying at the offices of the Division of Building Safety. (3-30-06)

003. ADMINISTRATIVE APPEALS. This chapter does not provide for administrative relief of the provisions contained herein. (3-30-06)

004. ADOPTION AND INCORPORATION BY REFERENCE. Under the provisions of Section 39-4109, Idaho Code the codes enumerated in this section are hereby adopted and incorporated by reference into IDAPA 07.03.01, “Rules of Building Safety,” Division of Building Safety. The effective date of any of the codes adopted in this section with any amendments identified thereto shall be January 1, 2011. Until such time, the 2006 edition of any such code enumerated in this section without amendment will remain effective pursuant to section 39-4109 Idaho Code. Copies of these documents may be reviewed at the office of the Division of Building Safety. The referenced codes may be obtained from International Code Council, 5360 Workman Mill Road, Whittier, California 90601-2298 or http://www.iccsafe.org.

   
   02. International Residential Code. 2009 Edition with the following amendments:

   a. Delete IRC section R109.1.3 and replace with the following: Floodplain inspections. For construction in areas prone to flooding as established by Table R301.2(1), upon placement of the lowest floor, including basement, the building official is authorized to require submission of documentation of the elevation of the lowest floor, including basement, required in Section R322. (x-x-10)

   b. IRC Table R302.1 Exterior Walls - delete the figures contained in the last column of the table under the heading Minimum Fire Separation Distance, and replace with the following:

      Walls (Fire-resistance rated): <3 Feet
      Walls (Not fire-resistance rated): ≥3 Feet
      Projections (Fire-resistance rated): <3 Feet
      Projections (Not fire-resistance rated): ≥3 Feet (x-x-10)
c. Delete the exception contained under IRC section R302.2 – Townhouses, and replace with the following: **Exception:** A common 1-hour or 2-hour fire-resistance rated wall assembly tested in accordance with ASTM E 119 or UL 263 is permitted for townhouses where such walls do not contain plumbing or mechanical equipment, ducts or vents in the cavity of the common wall. The wall shall be rated for fire exposure from both sides and shall extend to and be tight against the exterior walls and the underside of the roof sheathing. Penetrations of electrical outlet boxes shall be in accordance with Section R302.4.  

\[(x-x-10)\]

d. Delete the exception contained under IRC section R313.1 - Townhouse automatic fire sprinkler systems, and replace with the following: **Exception:** Automatic residential fire sprinkler systems shall not be required in townhouses where a 2-hour fire resistance-rated wall is installed between dwelling units or when additions or alterations are made to existing townhouses that do not have an automatic residential fire sprinkler system installed.  

\[(x-x-10)\]

e. Delete IRC section R313.2  

\[(x-x-10)\]

f. Delete IRC section R322.1.10  

\[(x-x-10)\]

g. Delete IRC section R322.2.2 paragraph 2.2, and replace with the following: The total net area of all openings shall be at least 1 square inch (645 mm²) for each square foot (0.093m²) of enclosed area, or the opening shall be designed and the construction documents shall include a statement that the design and installation of the openings will provide for equalization of hydrostatic flood forces on exterior walls by allowing the automatic entry and exit of floodwaters.  

\[(x-x-10)\]

03. **International Existing Building Code 2009 Edition**  

04. **International Energy Conservation Code.** 2009 Edition with the following amendments:

a. Add the following footnote to the title of Table 402.1.1 - Insulation and Fenestration Requirements by Component: \(^{k}\) For residential log home building thermal envelope construction requirements see section 402.6.  

\[(1-1-11)\]

b. Add the following section: **402.6 Residential Log Home Thermal Envelope.** Residential log home construction shall comply with sections 401 (General), 402.4 (Air Leakage), 402.5 (Maximum Fenestration U-Factor and SHGC), 403.1 (Controls), 403.2.2 (Sealing), 403.2.3 (Building Cavities), sections 403.3 through 403.9 (referred to as the mandatory provisions), Section 404 (Electrical Power and Lighting Systems), and either subparagraph (i), (ii), or (iii) as follows:

i. Sections 402.2 through 402.3, 403.2.1, 404.1 and Table 402.6;  

ii. Section 405 Simulated Performance Alternative (Performance); or  

iii. REScheck (U.S. Department of Energy Building Codes Program)  

\[(1-1-11)\]
c. Add Table 402.6 Log Home Prescriptive Thermal Envelope Requirements By Component to be used only in accordance with subparagraph 004.04.b.i above to appear as follows:

<table>
<thead>
<tr>
<th>CLIMATE ZONE</th>
<th>FENESTRATION U-FACTOR</th>
<th>SKYLIGHT U-FACTOR</th>
<th>GLAZED FENESTRATION SHGC</th>
<th>CEILING R-VALUE</th>
<th>Min Average LOG SIZE in inches</th>
<th>FLOOR R-VALUE</th>
<th>BASEMENT WALL R-VALUE</th>
<th>SLAB R-VALUE &amp; DEPTH</th>
<th>CRAWL SPACE WALL R-VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.6 - High efficiency equipment path §</td>
<td>0.32</td>
<td>0.60</td>
<td>NR</td>
<td>40</td>
<td>5</td>
<td>15/19</td>
<td>10.4 ft</td>
<td>10/13</td>
<td>10/13</td>
</tr>
<tr>
<td>5</td>
<td>0.32</td>
<td>0.60</td>
<td>NR</td>
<td>40</td>
<td>8</td>
<td>10/13</td>
<td>10.2 ft</td>
<td>10/13</td>
<td>10/13</td>
</tr>
<tr>
<td>6</td>
<td>0.30</td>
<td>0.60</td>
<td>NR</td>
<td>40</td>
<td>8</td>
<td>10/13</td>
<td>10.4 ft</td>
<td>10/13</td>
<td>10/13</td>
</tr>
</tbody>
</table>

For SI: 1 foot = 0.3048 m.

a. The fenestration U-factor column excludes skylights. The SHGC column applies to all glazed fenestration.
b. R-5 shall be added to the required slab edge R-values for heated slabs.
c. 90% AFUE natural gas or propane, 84% AFUE oil, or 15 SEER heat pump heating equipment (zonal electric resistance heating equipment such as electric baseboard electric resistance heating equipment as the sole source for heating is considered compliant with the high efficiency equipment path).
d. "15/19" means R-15 continuous insulated sheathing on the interior or exterior of the home or R-19 cavity insulation at the interior of the basement wall. "15/19" shall be permitted to be met with R-12 cavity insulation on the interior of the basement wall plus R-5 continuous insulated sheathing on the interior or exterior of the home. "10/13" means R-10 continuous insulated sheathing on the interior or exterior of the home or R-13 cavity insulation at the interior of the basement wall.

(1-1-11)

05. Where any provisions of the codes that are adopted in this section make reference to other construction and safety-related model codes or standards which have not been adopted by the involved authority having jurisdiction, to the extent possible, such reference should be construed as pertaining to the equivalent code or standard that has been duly adopted by such jurisdiction.

(x-x-10)

005. OFFICE -- OFFICE HOURS -- STREET ADDRESS -- MAILING ADDRESS -- TELEPHONE, FAXCIMILE AND WEB ADDRESS. The principal place of business of the Division of Building Safety is in Meridian, Idaho. The office is located at 1090 E. Watertower St., Meridian, Idaho and is open from 8 a.m. to 5 p.m., except Saturday, Sunday and legal holidays. The mailing address is: Division of Building Safety, 1090 E. Watertower St., Meridian, Idaho 83642. The telephone number of the office is (208) 334-3896. The facsimile number of the office is (208) 855-9399. The web address of the office is http://dbs.idaho.gov/.

(3-30-06)
**Agenda Item No. 05**  
**Potential Code Amendments**

**OBJECTIVE:** To inform the public of the procedures and deadlines the Board has established to submit amendments to the 2009 codes.

**ACTION:** Informational

**BACKGROUND:** During the code adoption process last year the Board established a procedure for interested members of the public to submit proposed amendments to the building codes. This included filling out an on-line form at the DBS web-site and submitting the proposed change (electronically) along with any relevant documentation (mail/fax) to the Board for its consideration. The Board established a deadline of two weeks prior to the date of the public hearing and asked that each proposed amendment be accompanied by supporting rationale. The Board will use the same process this year. The Board also seeks to inform the public that the two public hearings to address amendments to the adopted codes (if any) have been set by the Board to occur on the scheduled board meeting dates of April 6, 2010 and June 8, 2010.

**PROCEDURAL HISTORY:**

**ATTACHMENTS:** On-Line Form
The mission of the Division of Building Safety is to safeguard the citizens of Idaho through responsible administration of building and construction related safety and licensure standards while promoting a positive business climate.
State of Idaho Building Code Board Guidelines for Submitting Proposed Changes to the 2009 Building or Energy Codes

The Idaho Building Code Board is currently engaged in the process of adopting the 2009 International Building Codes. Recent legislation has provided the Building Code Board with new authority to amend the adopted building codes through a negotiated rulemaking process. As a result, the Board is soliciting and will consider input from members of the public who may have recommendations regarding the adoption and amendment of codes. In order to provide a uniform process for submission and consideration of individual recommendations, the Board has developed the attached form for use by persons or organizations wishing to provide comments. All comments and/or recommendations should be submitted to the Board in the format of the attached form. Forms may be acquired from the Division of Building Safety, Building Bureau, or may be printed directly from the DBS website at www.dbs.idaho.gov. When submitting recommended changes to a particular building code, existing provisions in the code proposed for deletion must be shown by using strikethrough. Text proposed to be added must be shown by using underlines.

In order to receive the best possible consideration, a proposed code amendment must clearly identify reasons for the change with supporting documentation meeting the standard of providing reasonable safeguards for the health, safety, welfare, comfort, and security of the residents of Idaho who are occupants of and/or users of buildings. In addition, the Idaho Building Code Board will review proposed amendments using the following criteria (must satisfy at least one to be recommended):

1. The code change is unique to Idaho because of geographic or climatic conditions.
2. The code change is necessary to interface with other laws or regulations of Idaho.
3. The estimated added cost or economic impact is reasonable and necessary in order to realize the goal of the proposed code change.
4. The matter addressed by the proposed amendment is not adequately covered by the existing code.
5. The code change is necessary to conserve scarce resources.
State of Idaho Building Code Board  
Building Code Change Submittal

Date ____________________

Proponent ____________________  
(Jurisdiction, Chapter, Company, Association, Organization, etc)

Name ____________________

Address ____________________
Street ____________ City ______ State ______ Zip Code ______

Email ____________________ Phone Number ____________________

Specific code considered for amendment (IBC, IRC, IECC, IEBC) ____________________

Section ________ Page ________ Change the paragraph to read as follows:

Reason for change with supporting documentation:
IDAHO BUILDING CODE BOARD

Agenda Item No. 06  Bureau Chief’s Report

OBJECTIVE: To report on the Bureau’s recent activities.

ACTION: Informational

BACKGROUND: This topic is addressed at all regularly scheduled Idaho Building Code Board meetings.

PROCEDURAL HISTORY:

ATTACHMENTS: No documentation
# IDAHO BUILDING CODE BOARD

**Agenda Item No. 07a**

**Financial Report**

**OBJECTIVE:** To review the Building Bureau’s Financial Report.

**ACTION:** Informational

**BACKGROUND:** This topic is addressed at all regularly scheduled Idaho Building Code Board Meetings.

**PROCEDURAL HISTORY:**

**ATTACHMENTS:** Building Bureau’s Financial Report
**Division of Building Safety**
IDAHO BUILDING CODE FUND
Fiscal Year 2010 Financial Statements
As of 12/31/2009

### Statement of Revenues and Expenditures

<table>
<thead>
<tr>
<th>Class</th>
<th>Budget</th>
<th>Fiscal Year To Date</th>
<th>YTD as a % of Budget *</th>
<th>Remaining Budget</th>
<th>Projected for Remainder of Year</th>
<th>Projected Year End Totals</th>
<th>Projected Total as a % of Budget</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Revenues:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>767,000</td>
<td>224,634</td>
<td>29.3%</td>
<td>542,366</td>
<td>371,500</td>
<td>596,134</td>
<td>77.7%</td>
</tr>
<tr>
<td><strong>Expenditures</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Personnel:</td>
<td>602,500</td>
<td>331,430</td>
<td>55.0%</td>
<td>271,070</td>
<td>264,400</td>
<td>595,830</td>
<td>98.9%</td>
</tr>
<tr>
<td>Operating:</td>
<td>288,000</td>
<td>116,915</td>
<td>40.6%</td>
<td>171,085</td>
<td>140,000</td>
<td>256,915</td>
<td>89.2%</td>
</tr>
<tr>
<td>Capital:</td>
<td>19,000</td>
<td>1,932</td>
<td>10.2%</td>
<td>17,068</td>
<td>19,000</td>
<td>20,932</td>
<td>110.2%</td>
</tr>
<tr>
<td><strong>Total Expenditures</strong></td>
<td>909,500</td>
<td>450,278</td>
<td>49.5%</td>
<td>459,222</td>
<td>423,400</td>
<td>873,678</td>
<td>96.1%</td>
</tr>
<tr>
<td><strong>Net for FY 2008</strong></td>
<td>(142,500)</td>
<td>(225,644)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Statement of Cash Balance

<table>
<thead>
<tr>
<th>Beginning Cash Available</th>
<th>Revenues</th>
<th>Expenditures</th>
<th>Other Changes in Cash</th>
<th>Available Cash</th>
<th>Projected Change in Cash for Remainder of Year</th>
<th>Projected Year End Available Cash</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,614,449</td>
<td>224,634</td>
<td>(450,278)</td>
<td>(6,262)</td>
<td>1,382,543</td>
<td>(51,900)</td>
<td>1,330,643</td>
</tr>
</tbody>
</table>

* Percent of Fiscal Year Completed 50.0%
Percent of Pay Periods Completed 50.0%

** In November, an error was discovered in the calculation of fiscal year to date revenues. No additional revenues have been transferred since that time while the error is researched and corrected.
Agenda Item No. 07b

OBJECTIVE: To inform the Board of current changes/updates to the Division’s computer program.

ACTION: Informational

BACKGROUND: This topic is addressed at all regularly scheduled Idaho Building Code Board meetings.

PROCEDURAL HISTORY:

ATTACHMENTS: No documentation
**Agenda Item No. 07c**  
**Administrator’s Report**

<table>
<thead>
<tr>
<th><strong>OBJECTIVE:</strong></th>
<th>To provide the Board with an overview of the Division’s current activities.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ACTION:</strong></td>
<td>Informational</td>
</tr>
<tr>
<td><strong>BACKGROUND:</strong></td>
<td>This topic is addressed at all regularly scheduled Idaho Building Code Board meetings.</td>
</tr>
<tr>
<td><strong>PROCEDURAL HISTORY:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>ATTACHMENTS:</strong></td>
<td>No documentation</td>
</tr>
</tbody>
</table>