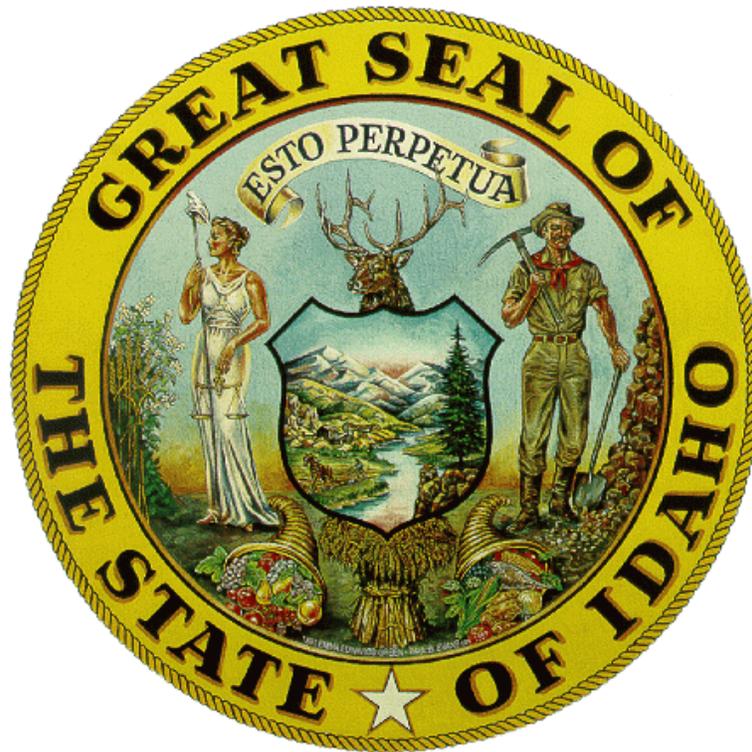


DIVISION OF BUILDING SAFETY

IDAHO BUILDING CODE BOARD  
VIDEOCONFERENCE MEETING

OCTOBER 15, 2013



# IDAHO BUILDING CODE BOARD

## Agenda Item No. 01

## Agenda

**PRESENTER:** Andrew Bick, Chairman

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**OBJECTIVE:** Approve agenda for the October 15, 2013 Idaho Building Code Board meeting.

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**ACTION:** Consent

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**BACKGROUND:**

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**PROCEDURAL  
HISTORY:**

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**ATTACHMENTS:** Tentative agenda

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# **TENTATIVE AGENDA**

## **NOTICE OF PUBLIC MEETING**

### **IDAHO BUILDING CODE BOARD VIDEOCONFERENCE MEETING**

**Division of Building Safety  
1090 East Watertower Street, Suite 150, Meridian, Idaho  
1250 Ironwood Drive, Suite 220, Coeur d'Alene, Idaho  
2055 Garrett Way, Building 1, Suite 4, Pocatello, Idaho  
dbs.idaho.gov – (208) 332-7137**

***Tuesday, October 15, 2013  
9:30 a.m.–12:30 p.m. (MT)***

*(Note: North Idaho - Meeting Commences @ 8:30 a.m. PT)*

- 
- 9:30 a.m.**     **CALL TO ORDER** – Andrew Bick, Chairman
- Roll Call & Introductions
  - Welcome Jason Blais, City Building Official Representative
  - Remembrance of Board Member Jeff Garro
  - Open Forum

#### **CONSENT AGENDA**

1. Approval of the October 15, 2013 Agenda
2. Approval of the June 18, 2013 Board Meeting Minutes

#### **ACTION AGENDA**

3. **Schedule 2014 Meetings – Andrew Bick**

#### **INFORMATIONAL AGENDA**

4. Passive House Designs – Rod Stucker, RM Enterprises, LLC
5. Legislative Update – Steve Keys
6. Program Manager Report – Arlan Smith
7. Operational Report – Steve Keys
8. Administrator Report
  - a. Financial Report – C. Kelly Pearce and Kathleen Watkins
  - b. Administrator – C. Kelly Pearce

**12:30 p.m.**     **ADJOURN**

*All times, other than beginning, are approximate and are scheduled according to Mountain Time (MT), unless otherwise noted. Agenda items may shift depending on Board preference. 09/12/13r*

# IDAHO BUILDING CODE BOARD

**Agenda Item No. 02**

**Minutes**

**PRESENTER:** Andrew Bick, Chairman

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**OBJECTIVE:** Approve minutes from the June 18, 2013 Idaho Building Code Board meeting.

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**ACTION:** Consent

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**BACKGROUND:**

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**PROCEDURAL  
HISTORY:**

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**ATTACHMENTS:** Draft minutes

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**IDAHO BUILDING CODE BOARD  
VIDEOCONFERENCE MEETING**

**Tuesday – June 18, 2013 – 9:30 a.m. (MT)**

**Division of Building Safety  
1090 East Watertower Street, Suite 150, Meridian, Idaho  
1250 Ironwood Drive, Suite 220, Coeur d'Alene, Idaho  
2055 Garrett Way, Building 1, Suite 4, Pocatello, Idaho**

**\*DRAFT MINUTES OF THE JUNE 18, 2013 MEETING**

**NOTE: The following report is not a verbatim transcript of the discussions at the meeting,  
but is intended to record the significant features of those discussions.**

Chairman Andrew Bick called the meeting to order at 9:32 a.m. (MT).

**Board Members Present:**

Andrew Bick, Chairman  
Carol Alexander, Vice-Chairman  
Chuck Bleth  
Scott Buck  
Dennis Schaffner  
Michael Arrington  
Dan Hunter

**DBS Staff Members Present:**

C. Kelly Pearce, Administrator  
Steve Keys, Deputy Administrator-Operations  
Ron Whitney, Deputy Administrator-Administration  
Patrick Grace, Deputy Attorney General  
Kathleen Watkins, Financial Manager  
Arlan Smith, Program Manager  
Rod Freligh, Regional Manager, Region 1  
Chris Jensen, Regional Manager, Region 3  
Terry Blessing, Regional Supervisor, Region 1  
Renee Bryant, Administrative Assistant 2/Board Secretary

**Board Members Absent:**

Jan Welch  
Jeff Garro  
Mike Tracy

◆ **Open Forum**

No items or concerns were brought forth.

◆ **Recognition**

Carol Alexander was recognized for her years of service on the Board with a commemorative plaque.

◆ **Approval of the June 18, 2013 Agenda**

**MOTION:** Dan Hunter made a motion to approve the agenda as presented. Michael Arrington seconded. All in favor, motion carried.

◆ **Approval of the April 16, 2013 Board Meeting Minutes**

**MOTION:** Carol Alexander made a motion to approve the minutes as written. Scott Buck seconded. All in favor, motion carried.

◆ **Public Testimony – Adopt and/or Amend the International Building Code (IBC), International Residential Code (IRC), International Energy Conservation Code (IECC), and International Existing Building Code (IEBC)**

Rob Brooks, Rob Brooks and Associates, stated when alterations are made to the wall assemblies selected in the R-Value table, it is important the U-Factor and R-Value match. For climate zone five, the two components do not match when applying a consistent calculation method. An ICC-ES Evaluation report by ICC Evaluation Services shows the equivalent U-Factor for zone five, wood frame wall insulation for R-20, is .06 instead of .057, which is currently listed in the table in the 2012 IECC.

The National Association of Home Builders promulgated the above changes in draft proposal RE50-13 (IECC table R402.1.3/IRC table N1102.1.3). The proposal was accepted at the 2015 IECC Code Action Hearings in April 2013 and will be presented at the Final Action Hearings in the fall of 2013.

◆ **Adopt, Amend or Reject Proposed Amendments to the 2009 and 2012 Building and Energy Codes**

International Building Code – 2012

Jason Blais, city of Boise, Code Collaborative, and Idaho Association of Building Officials Representative, stated the following proposed changes are an attempt to align the IBC with IDAPA rules on the subject of day care.

- 305.2.3 “Five or Fewer Children in a Dwelling Unit” – This is the “E” occupancy section. This section was modified from “five” to “twelve” or fewer children in a dwelling unit to comply with the IRC and be classified as Group R-3 occupancy.

**MOTION:** Dan Hunter made a motion to approve the deletion and replacement as presented. Carol Alexander and Michael Arrington seconded. All in favor, motion carried.

- 308.6.4 “Five or Fewer Persons Receiving Care in a Dwelling Unit” – This is the “T” occupancy section. To comply with the IRC and be classified as Group R-3 occupancy, the verbiage “Twelve or fewer children receiving day care or having” was added to this section. It was recommended the fire code be amended as well.

Deputy Chief Fire Marshal Romeo Gervais, Boise Fire, is comfortable with the amendments as they follow the IDAPA rules. Also, the fire codes will be brought forward.

**MOTION:** Dan Hunter made a motion to adopt the proposal as presented. Dennis Schaffner seconded. All in favor, motion carried.

- 310.5 “Residential Group R-3” – For clarification, the following was added to the R-3 list: 1) “E” to the group, and 2) “Dwelling units providing day care for twelve or fewer children” to the definitions.

**MOTION:** Carol Alexander made a motion to approve the amendment as proposed. Chuck Bleth seconded. All in favor, motion carried.

- 310.5.1 “Care Facilities Within a Dwelling” – The verbiage “twelve or fewer children receiving day care or for” was added to comply with the IECC. The automatic sprinkler system verbiage

was removed since it has already been amended in Idaho and is not required in a single family residence.

**MOTION:** Dan Hunter made a motion to approve section 310.5.1 of the proposed IBC change. Michael Arrington seconded. All in favor, motion carried.

#### International Residential Code – 2012

The 2012 IRC has not been adopted by the Board.

**MOTION:** Dan Hunter made a motion to adopt the 2012 IRC. Scott Buck seconded. All in favor, motion carried.

Jason Blais addressed the following proposed changes to the IRC:

- R.101.2 “Scope” – The current code requires owner-occupied homes to be classified as R-1 occupancy out of the IBC and fire sprinklered no matter the size or number of occupants.

In the 2012 IRC, owner-occupied lodging houses with five or fewer guest rooms shall be permitted to construct in accordance with the IRC when equipped with fire sprinklers.

Under exceptions, the proposal removes fire suppression requirements in the IBC for one and two-family dwellings, and fire sprinkler requirements in the IRC for owner-occupied bed and breakfast services with five or fewer guest rooms.

**MOTION:** Scott Buck made a motion to adopt the amendment to R101.2 with the following exceptions: 1) Six or less guests OR three or less bedrooms, the home does not have to be sprinkled; 2) Four or five bedrooms, the home can be sprinkled under the IRC; and 3) Carbon monoxide and smoke detectors are required. The motion died for lack of a second.

**MOTION:** Carol Alexander made a motion that section R101.2 “Scope” be amended by the deletion of exception one, exception two would become exception one with the deletion of “when equipped with a fire sprinkler system in accordance with Section P2904”, and leave the rest as it stands. Dan Hunter seconded. Six ayes, one nay, motion carried.

- R.105.2 “Work Exempt From Permit” – Modify the exemption list to include “flag poles”. Local zoning laws will continue to regulate standards.

**MOTION:** Michael Arrington made a motion to approve the proposal as presented. Dennis Schaffner seconded. All in favor, motion carried.

- R.303.4 “Mechanical Ventilation” – Remove in its entirety. The Collaborative agreed the residential provisions of energy efficiency in the 2012 codes needs to revert to the level of the currently adopted 2009 provisions. A blower door test and visual air sealing inspection will remain as options only.

**MOTION:** Dennis Schaffner made a motion to approve the proposal as presented. Michael Arrington seconded. All in favor, motion carried.

- R.501.3 “Fire Protection of Floors” – Remove in its entirety. Any new code provisions brought forward that would increase the cost to construct a home would not be acceptable to the legislature.

Deputy Chief Fire Marshal Gervais stated this section was added primarily for firefighter safety.

**MOTION:** Dennis Schaffner made a motion to approve the proposal as presented. Chuck Bleth seconded. Five ayes and two nays, motion carried.

- R.602.10 “Wall Bracing” – The verbiage “or the most current version of APA System Report SR-102 as an alternative method.” was added to provide another viable option to comply with the wall bracing requirements of the code on a residential home for builders.

**MOTION:** Dennis Schaffner made a motion to approve the approval as amended. Dan Hunter seconded. Six ayes and one nay, motion carried.

International Energy Conservation Code and International Residential Code – 2012

The 2012 IECC has not been adopted by the Board.

**MOTION:** Dan Hunter made a motion to adopt the 2012 IECC. Carol Alexander seconded. All in favor, motion carried.

Ken Baker, Code Collaborative Representative, addressed the following proposed changes:

- R402.1.1 & N1102.1.1 (Tables) “Insulation & Fenestration Requirements by Component” – Amend tables R402.1.1 of the 2012 IECC and N1102.1.1 of the 2012 IRC to the 2009 levels of insulation R-Values and window/skylight U-Factors.

**MOTION:** Dennis Schaffner made a motion to approve the proposal as presented. Michael Arrington seconded. All in favor, motion carried.

- R402.1.3 & N1102.1.3 (Tables) “Equivalent U-Factors” – Amend tables R402.1.3 of the 2012 IECC and N1102.1.3 of the 2012 IRC to the 2009 levels of U-Factors.

**MOTION:** Dan Hunter made a motion to approve the proposal as presented. Dennis Schaffner seconded. All in favor, motion carried.

- R402.2.5 & N1102.2.6 (Tables) “Steel-Frame Ceiling, Wall & Floor Insulation (R-Value)” – Amend tables R402.2.5 of the 2012 IECC and N1102.2.6 of the 2012 IRC to the 2009 levels of metal building U-Factors.

**MOTION:** Scott Buck made a motion to approve the proposal as presented. Dennis Schaffner seconded. All in favor, motion carried.

- R402.4.1 & N1102.4.1 “Building Thermal Envelope” – Amend the 2012 air leakage standards to the 2009 requirements; allowing either a visual inspection or test with a blower door.

**MOTION:** Dan Hunter made a motion to approve the proposal as presented. Dennis Schaffner seconded. All in favor, motion carried.

- R402.4.1.1 & N1102.4.1.1 “Installation” – Remove language with regard to third party inspections.

**MOTION:** Dan Hunter made a motion to approve the proposal as presented. Dennis Schaffner and Scott Buck seconded. All in favor, motion carried.

- R402.4.1.1 & N1102.4.1.1 (Tables) “Air Barrier & Insulation Installation” – Amend Tables 402.4.1.1 of the 2012 IECC and N1102.4.1.1 of the 2012 IRC; deleting the requirement for wood burning fireplace gasketed doors.

**MOTION:** Scott Buck made a motion to approve the proposal as presented. Dennis Schaffner seconded. All in favor, motion carried.

- R402.4.1.2 & N1102.4.1.2 “Testing” – Amend the 2012 code requirements for building envelope testing back to the 2009 levels. This keeps in place air leakage options that were in the 2009 codes and allows for a 2009 level of air leakage.

The Division is working to devise a simple, inexpensive passive method to meet this requirement. A proposal will be brought forward at a future meeting.

**MOTION:** Dennis Schaffner made a motion to approve the proposal as presented. Scott Buck seconded. All in favor, motion carried.

- R402.4.1.3 & N1102.4.1.3 (New Sections) “Visual Inspection Option” – This new section allows code officials to authorize an approved third-party to inspect the air barrier and insulation.

**MOTION:** Dan Hunter made a motion to approve the proposal as presented. Dennis Schaffner seconded. All in favor, motion carried.

- R402.6 & N1102.6 (New Sections) “Residential Log Home Thermal Envelope” – This new section provides a prescriptive path for log home compliance.

**MOTION:** Scott Buck made a motion to approve the proposal as presented. Dennis Schaffner seconded. All in favor, motion carried.

- R404.1 & N1104.1 “Lighting Equipment (Mandatory)” – Amend the 2012 code requirements back to the 2009 code level of 50% lighting sockets.

**MOTION:** Scott Buck made a motion to approve the proposal as presented. Dennis Schaffner seconded. All in favor, motion carried.

There was concern should the proposed code changes be submitted as one package to the legislature and there are contentions with any of them, they could be rejected as a whole.

**MOTION:** Dan Hunter made a motion to present the proposals as one package with the exception of the following proposals being presented separately at the 2014 legislature: 1) IRC R.101.2 “Scope”, guest room sprinklers; 2) IRC R.501.3 “Fire Protection of Floors”; and 3) IRC R602.10 “Wall Bracing”. Scott Buck Seconded. All in favor, motion carried.

◆ **Program Manager Report**

Construction – With the implementation of the 2012 IECC, projects within the jurisdiction of the Division’s Building program consist primarily of maintenance, nature projects, and remodels. Two major projects in progress is the football complex at Boise State University, Boise; and classroom building at the College of Southern Idaho, Pocatello.

◆ **Operational Report**

Energy – A letter to the governor from the U. S. Department of Energy has been forwarded to the Division for reply. The letter addresses state certification of residential and commercial building energy codes.

◆ **Administrator Report**

Financial Report – The Idaho Building Code fund, FY 2013 financial statement as of May 31, 2013, was reviewed.

Recognition – Carol Alexander was recognized by the administrator for her role on the Idaho Building Code Board and HVAC Board over the last several years.

Statewide Projects – Administrator Pearce addressed 26 projects in 16 locations throughout the state of Idaho in which the Division is involved.

Budget – In 2007, the Division had 152 full-time employees (FTE). As of July 1, 2013, its authorized strength will be 121. For FY 2014, the Division’s appropriations have been reduced by \$500,000 and manpower decreased by ten (10) FTE.

◆ **Adjournment**

**MOTION:** Chuck Bleth made a motion to adjourn the meeting. Michael Arrington seconded. All in favor, motion carried.

The meeting adjourned at 1:25 p.m. (MT).

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ANDREW BICK, CHAIRMAN  
IDAHO BUILDING CODE BOARD

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C. KELLY PEARCE, ADMINISTRATOR  
DIVISION OF BUILDING SAFETY

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DATE

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DATE

\*These DRAFT minutes are subject to possible correction and final approval by the Idaho Building Code Board. 07/19/13rb

# IDAHO BUILDING CODE BOARD

## Agenda Item No. 03

## Schedule 2014 Meetings

**PRESENTER:** Andrew Bick, Chairman

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**OBJECTIVE:** Schedule 2014 meetings

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**ACTION:** Vote to accept, reject or modify the 2014 meeting dates as addressed under topic *Background*.

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**BACKGROUND:** The following 2014 dates were selected for the Board's consideration: February 18th, April 15th, June 17th, and October 21st. These dates are the 3rd Tuesday of each month. Also, there are 60 days between the April 15th and June 17th meetings.

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**ATTACHMENTS:** 2014 Board Meeting Calendar

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# 2014

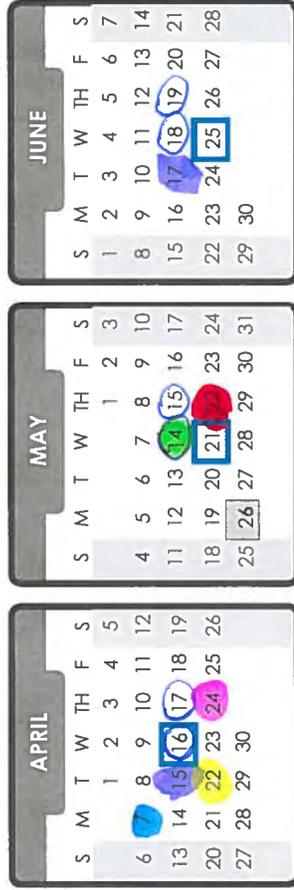
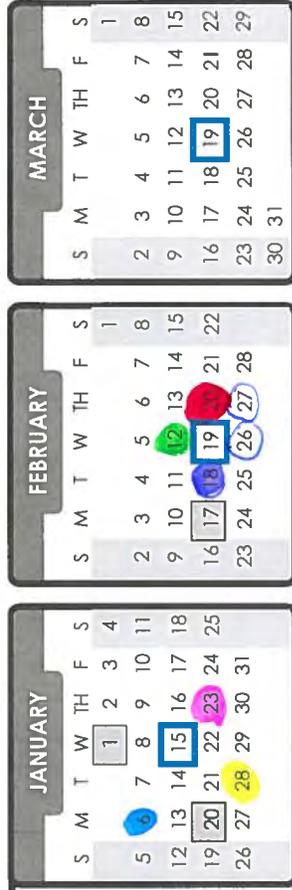
## DBS BOARD MEETINGS - 2014

Board Meetings will be held at each  
Division of Building Safety regional office  
either in person or through video conferencing

1090 E WATERTOWER ST SUITE 150 MERIDIAN, ID 83642	1250 IRONWOOD DR SUITE 220 COEUR D'ALENE, ID 83814	2055 GARRETT WAY BLD 1, SUITE 4 POCATELLO, ID 83201
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Idaho Building Code Board meetings begin at 9:30 am (mt)	FEB 18 APR 17 JUN 17 OCT 21	Third Tues. of Month
Idaho Electrical Board meetings begin at 9:30 am (mt)	JAN 23 APR 24 JUL 24 OCT 23	Fourth Thurs. of Month
Idaho HVAC Board meetings begin at 9:30 am (mt)	FEB 12 MAY 14 JUL 9 NOV 12	Second Wed. of Month
Manufactured Housing Board meetings begin at 9:30 am (mt)	JAN 28 APR 22 JUL 22 NOV 25	Fourth Tues. of Month
Modular Building Advisory Board meetings begin at 9:30 am (mt)	MAR MAY JUL	
Idaho Plumbing Board meetings begin at 9:30 am (mt)	FEB 20 MAY 22 JUL 23 OCT	
Public Works Contractors Licensing Board meetings begin at 9:30 am (mt)	JAN 4 APR 7 JUL 7 OCT 6	First Mon. of Month

Holidays outlined & highlighted in gray  
Management meetings outlined in blue  
Unavailable dates blacked out



O = Education Board Mtgs - Plumbing Only

# IDAHO BUILDING CODE BOARD

## Agenda Item No. 04

## Passive House Designs

**PRESENTER:** Rod Stucker, RM Enterprises, LLC

---

**OBJECTIVE:** Inform the Board of current technology for building energy efficient homes; reducing energy costs by 90%.

---

**ACTION:** Informational

---

**BACKGROUND:** Passive House Technology  
Passive technology refers to a house or building that heats and cools itself. The house or building actually doesn't consume energy in the form of oil, gas, electricity, or other conventional means, but rather produces all the energy needed to be self-sufficient using geothermal and solar energy.

---

### **PROCEDURAL HISTORY:**

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**ATTACHMENTS:** Supporting documentation can be viewed on the Division's website at <http://dbs.idaho.gov/boards/BBboard/BBmeetings.html> under the October 15, 2013 "Special Interests" column.

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# IDAHO BUILDING CODE BOARD

**Agenda Item No. 05**

**Legislative Update**

**PRESENTER:** Steve Keys, Deputy Administrator-Operations

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**OBJECTIVE:** Inform the Board on the status of pending legislation.

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**ACTION:** Informational

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**BACKGROUND:**

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**PROCEDURAL  
HISTORY:**

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**ATTACHMENTS:** No documentation

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# IDAHO BUILDING CODE BOARD

**Agenda Item No. 06**

**Program Manager Report**

**PRESENTER:** Arlan Smith, Building Safety Program Manager

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**OBJECTIVE:** Update the Board on the Building program's current activities.

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**ACTION:** Informational

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

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**PROCEDURAL HISTORY:**

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**ATTACHMENTS:** No documentation

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# IDAHO BUILDING CODE BOARD

**Agenda Item No. 07**

**Deputy Administrator Report**

**PRESENTER:** Steve Keys, Deputy Administrator-Operations

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**OBJECTIVE:** Update the Board on the operations of the Building program and Division.

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**ACTION:** Informational

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

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**PROCEDURAL  
HISTORY:**

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**ATTACHMENTS:** No documentation

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# IDAHO BUILDING CODE BOARD

**Agenda Item No. 08a**

**Financial Report**

**PRESENTER:** C. Kelly Pearce, Administrator and Kathleen Watkins, Financial Manager

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**OBJECTIVE:** Review the Idaho Building Code Board's financial report

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**ACTION:** Informational

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

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**PROCEDURAL HISTORY:**

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**ATTACHMENTS:** Financial Report

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**Division of Building Safety**  
 IDAHO BUILDING CODE FUND 0229-02  
 Fiscal Year 2014 Financial Statements  
 As of 8/30/2013

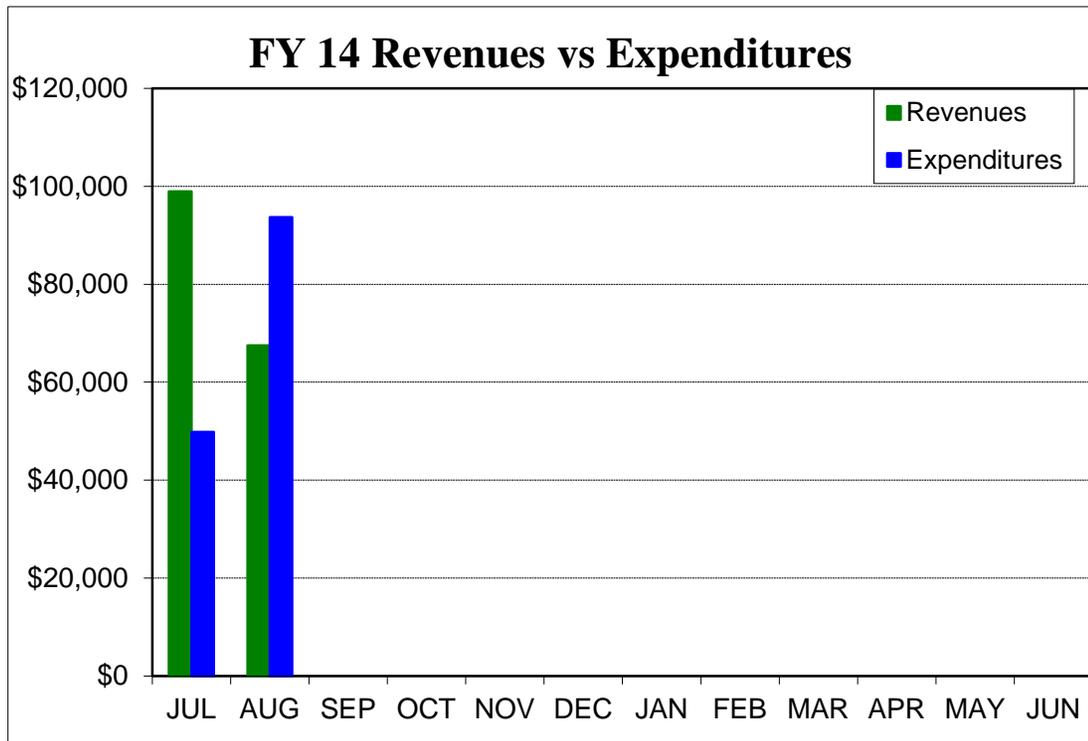
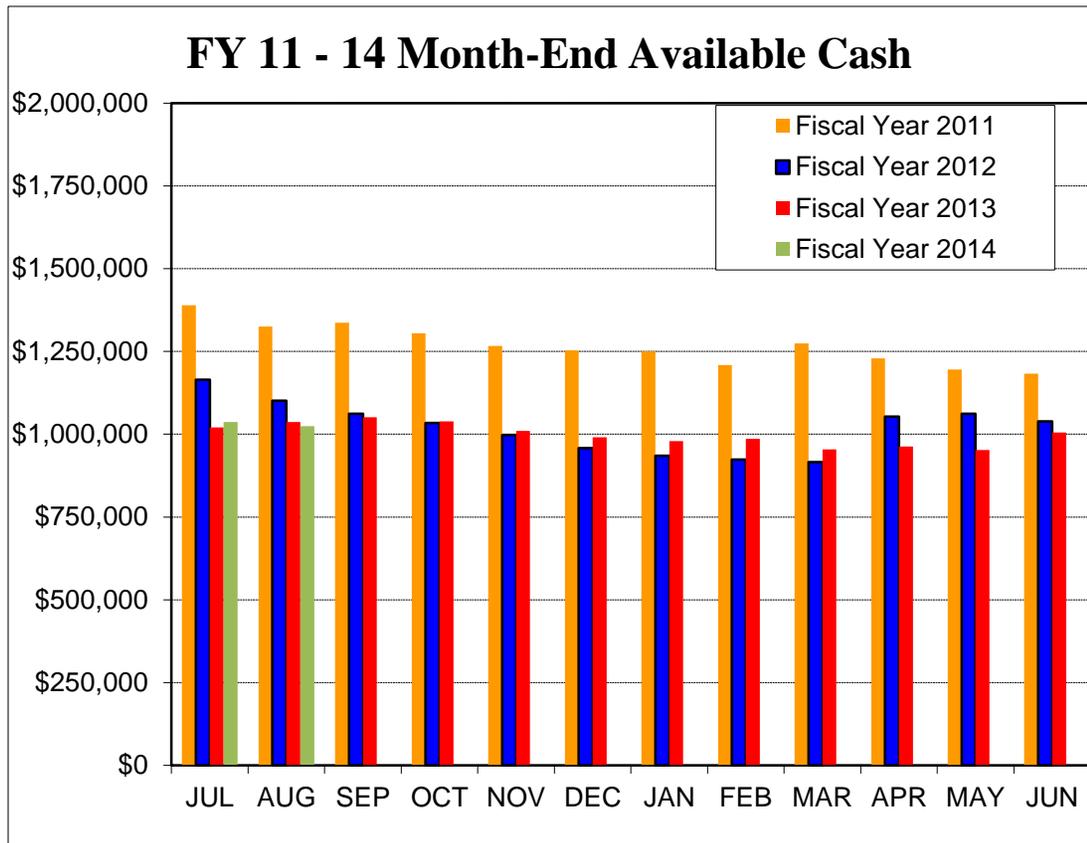
Statement of Revenues and Expenditures

Class	Budget	Fiscal Year To Date	YTD as a % of Budget	Remaining Budget	Projected for Remainder of Year	Projected Year End Totals	Projected Total as a % of Budget
Revenues:	759,000	166,434	21.9%	592,567	747,796	914,230	120.5%
Expenditures							
Personnel:	526,000	93,535	17.8%	432,465	392,849	486,384	92.5%
Operating:	139,000	49,862	35.9%	89,138	175,445	225,307	162.1%
Capital:	30,000	82	0.3%	29,918	29,918	30,000	100.0%
Total Expenditures	695,000	143,480	20.6%	551,520	598,211	741,691	106.7%
Net for FY 2014	64,000	22,953			149,585	172,538	

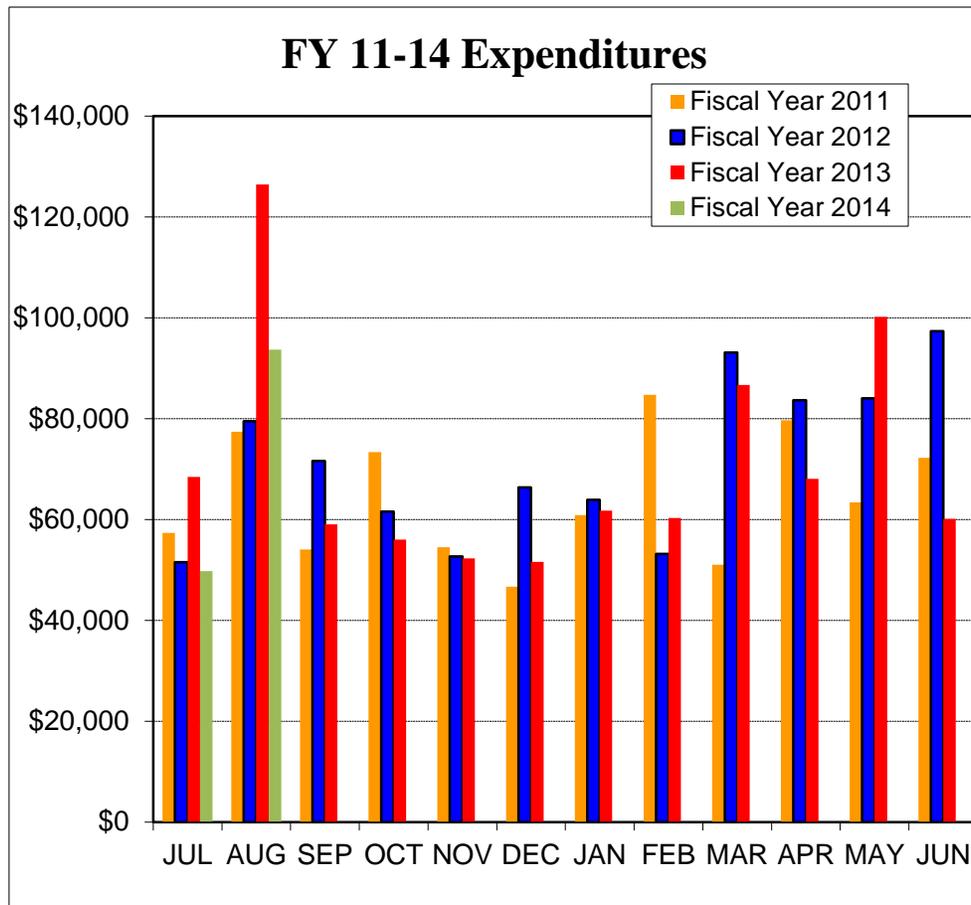
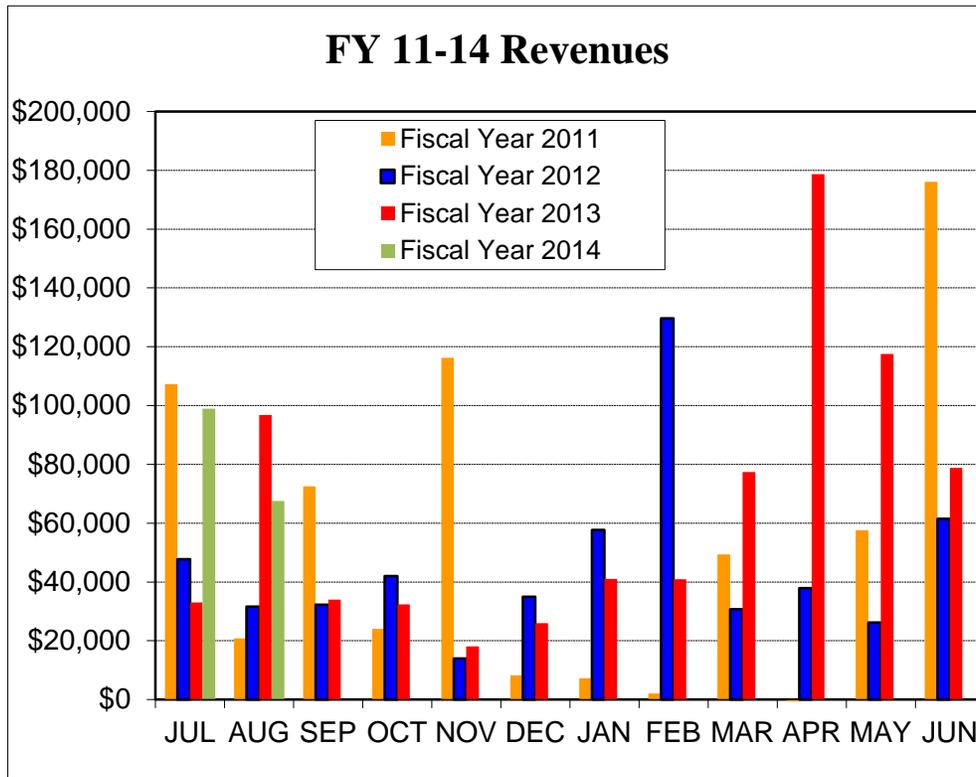
Statement of Cash Balance

July 1, 2013 Beginning Cash Available	Fiscal Year to Date Revenues	Fiscal Year to Date Expenditures and Encumbrances	Other Changes in Cash	Available Cash as of August 30, 2013	Projected Change in Cash for Remainder of Year	Projected Year End Available Cash
1,005,440	166,434	(143,480)	(4,256)	1,024,137	149,585	1,173,722

## IDAHO BUILDING CODE FUND 0229-02



# IDAHO BUILDING CODE FUND 0229-02



# IDAHO BUILDING CODE BOARD

**Agenda Item No. 08b**

**Administrator Report**

**PRESENTER:** C. Kelly Pearce, Administrator

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**OBJECTIVE:** Provide the Board with an overview of the Division's current activities.

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**ACTION:** Informational

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

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**PROCEDURAL HISTORY:**

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**ATTACHMENTS:** No documentation

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