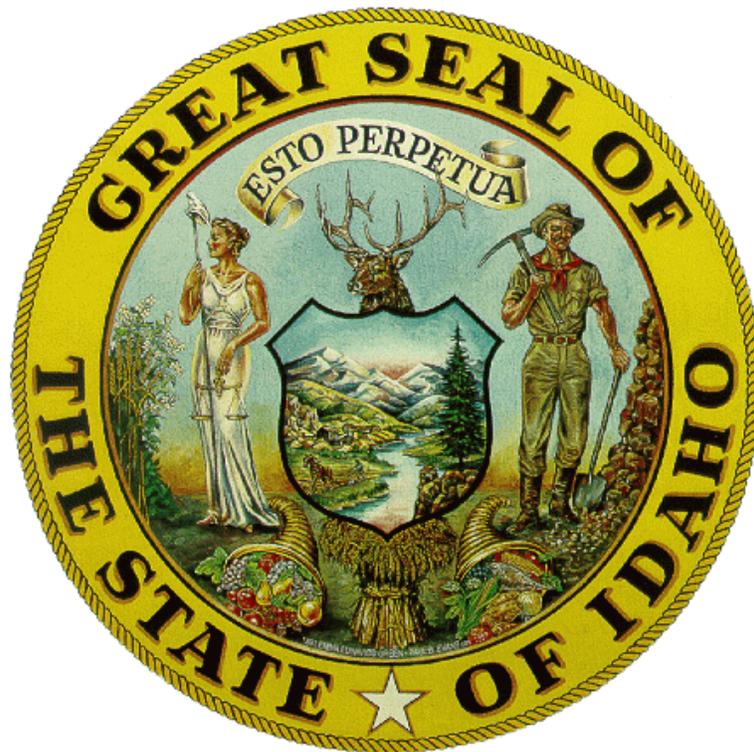


DIVISION OF BUILDING SAFETY

IDAHO BUILDING CODE BOARD
VIDEOCONFERENCE MEETING

JUNE 23, 2015



IDAHO BUILDING CODE BOARD

Agenda Item No. 01

Agenda

PRESENTER: Andrew Bick, Chairman

OBJECTIVE: Approve agenda for the June 23, 2015 Idaho Building Code Board meeting.

ACTION: Consent

BACKGROUND:

**PROCEDURAL
HISTORY:**

ATTACHMENTS: Tentative agenda



TENTATIVE AGENDA

NOTICE OF PUBLIC MEETING/PUBLIC HEARING

IDAHO BUILDING CODE BOARD VIDEOCONFERENCE MEETING

**Division of Building Safety
1090 E. Watertower St., Ste. 150, Meridian
1250 Ironwood Dr., Ste. 220, Coeur d'Alene
2055 Garrett Wy., Bldg. 1, Ste. 4, Pocatello
1118 F St., Lewiston (DEQ)
650 Addison Ave. W., Ste. 110, Twin Falls (DEQ)
900 N. Skyline, Suite B, Idaho Falls (DEQ)**

db.s.idaho.gov – (208) 332-7137

***Tuesday, June 23, 2015
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
 - Open Forum

CONSENT AGENDA

1. Approval of the June 23, 2015 Agenda
2. Approval of the April 14, 2015 Board Meeting Minutes

PUBLIC HEARING

3. Negotiated Rulemaking (Review proposed additions/amendments to the building codes, energy code, and IDAPA rules.) – Jason Blais, Code Collaborative Representative & Arlan Smith, Building Program Manager
 - a. IBC 907.2.3 Group E
 - b. IRC N1102.4.3/IECC 402.4.3
 - c. IRC R302.2
 - d. IRC R313.1
 - e. IDAPA 07.03.01.004.04
 - f. 2012 IECC – C101.5.3 (New Section)
 - g. IDAPA 07.03.01.026 & .027

ACTION AGENDA

4. Vote on proposed additions/amendments to the building codes, energy code, and IDAPA rules. – Andrew Bick
 - a. IBC 907.2.3 Group E
 - b. IRC N1102.4.3/IECC 402.4.3
 - c. IRC R302.2
 - d. IRC R313.1
 - e. IDAPA 07.03.01.004.04
 - f. 2012 IECC – C101.5.3 (New Section)
 - g. IDAPA 07.03.01.026 & .027

INFORMATIONAL AGENDA

5. Program Manager Report – Arlan Smith
6. Operational Report – Steve Keys
7. Administrator Report – C. Kelly Pearce
 - a. Financial Report – Fred Sisneros

12:30 p.m. ADJOURN

All times, other than beginning, are approximate unless otherwise noted. Agenda items may shift depending on Board preference. 05/05/15r

IDAHO BUILDING CODE BOARD

Agenda Item No. 02

Minutes

PRESENTER: Andrew Bick, Chairman

OBJECTIVE: Approve minutes from the April 14, 2015 Idaho Building Code Board meeting.

ACTION: Consent

BACKGROUND:

PROCEDURAL HISTORY:

ATTACHMENTS: Draft minutes



**IDAHO BUILDING CODE BOARD
VIDEOCONFERENCE MEETING**

Tuesday – April 14, 2015 – 9:30 a.m. (MT)

**Division of Building Safety
1090 East Watertower Street, Suite 150, Meridian
1250 Ironwood Drive, Suite 220, Coeur d'Alene
2055 Garrett Way, Building 1, Suite 4, Pocatello
1118 F Street, Lewiston (DEQ)
650 Addison Avenue West, Suite 102, Twin Falls (DVR)
900 North Skyline, Suite B, Idaho Falls (DEQ)**

***DRAFT MINUTES OF THE APRIL 14, 2015 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 9:45 a.m. (MT).

Board Members Present:

Andrew Bick, Chairman
Michael Arrington
Scott Buck
Travis Beck
Chuck Bleth
Dan Hunter
Dennis Schaffner

DBS Staff Members Present:

C. Kelly Pearce, Administrator
Steve Keys, Deputy Administrator-Operations
Ron Whitney, Deputy Administrator-Administration
Patrick Grace, Deputy Attorney General
Fred Sisneros, Financial Manager
Arlan Smith, Building Program Manager
Bill Hatch, Public Information Officer
Larry Jeffres, Regional Manager, Region 1
Chris Jensen, Regional Manager, Region 3
Gary Sonnen, Regional Supervisor, Region 1
Adam Bowcutt, Regional Supervisor, Region 3
Renee Bryant, Administrative Assistant 2/Board Secretary

Board Members Absent:

Jan Welch, P.E.
Jason Blais
Mike Tracy

◆ **Introduction**

Larry Jeffres was introduced as the Division's newly appointed Regional Manager, Region 1.

◆ **Open Forum**

Adoption Process of 2015 Building and Energy Codes: Charlie Allen, Representative for IDABO and city of Ammon, asked the Board to initiate the adoption process for the 2015 building and energy codes. In addition, Mr. Allen requested the 2015 building, residential, and energy codes be adopted in the same code cycle.

◆ **Approval of the April 14, 2015 Agenda**

MOTION: Dan Hunter made a motion to amend the agenda; adding the topic *Adoption Process of 2015 Building and Energy Codes* as informational agenda item 3.1. Chuck Bleth seconded. All in favor, motion carried.

◆ **Approval of the February 24, 2014 Board Meeting Minutes**

The question was posed whether there had been any more progress and/or discussion on tiny homes or park model RVs. HUD is considering initiating a standard for tiny homes.

The topic was changed to the rehabilitation of mobile homes being brought into Idaho. Some states have enacted requirements relative to the sale of relocated existing/used post-1976 manufactured homes; going beyond what Idaho has in place for rehabilitation.

The Division offered, and the Board agreed, to gather information from surrounding states on their rehabilitation requirements; bringing the results to the June 2015 Board meeting.

ACTION: The Deputy Administrator-Operations will research the topic *Manufactured Home Rehabilitation*; addressing his findings at the June 2015 meeting.

ACTION: The topic *Manufactured Home Rehabilitation* will be placed on the June 23, 2015 board meeting agenda as an informational item.

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

◆ **Negotiated Rulemaking**

The Building Code Collaborative has discussed, and agreed upon, the following proposed amendments to the building and energy codes:

IBC 907.2.3 Group E – In the 2012 edition of the International Building Code (IBC), Section 907.2.3, modify the occupant load from “30 or less” to “50 or less” in a Group E occupancy that does not require a manual fire alarm system. The correct verbiage is in the 2015 IBC; however, the code has not been adopted.

IRC N1102.4.3/IECC 402.4.3 – Prior to the adoption of the 2012 International Residential Code (IRC) and 2012 International Energy Conservation Code (IECC), verbiage was added to IDAPA rules 07.03.01.004.02(p) and 07.03.01.004.04(j) with regard to new wood burning fireplaces. The language is in the 2012 codes; therefore, it was recommended to delete the two IDAPA rules.

IRC R302.2 – The “Exception” to IRC R302.2 on fire-resistance rated wall assemblies is currently in IDAPA 07.03.01.004.02(g); however, there is confusion on the language. This proposal would clarify the language in the rule by providing two exceptions that specify three acceptable options and methods to separate townhouses from each other.

IRC R313.1 – The amendment to the “Exception” for IRC R313.1, as it pertains to townhouses and automatic fire sprinkler systems, is in IDAPA 07.03.01.004.02(i). The proposal would clarify the rule by providing two acceptable options and methods to separate townhomes from each other without having to install a fire sprinkler system.

IDAPA 07.03.01.004.04 – The 2012 edition of the IECC changed code section references by adding an “R” in front of the residential codes and a “C” in front of the commercial codes. This proposal would correct code section references in multiple amendment sections of the IDAPA rule for the IECC.

The following code amendment and rule change were brought forth by the Division’s Building Program Manager:

2012 IECC – C101.5.3 (New Section) – This proposal would exempt a class of buildings or portion of buildings that contain industrial, electronic, and manufacturing equipment from the requirements in the IECC. The only reason to provide heating or cooling to the buildings is to maintain the operating temperatures of the equipment.

IDAPA 07.03.01.026 & 027 – The proposed rule change would allow state agencies, including universities, to purchase an “annual permit” for minor alterations. The permit would expire in one year. The DBS would continue to inspect the changes; recording the inspection results and time spent on the inspection. The proposal only affects the DBS and the government agencies it serves.

◆ **Adoption Process of 2015 Building and Energy Codes**

This topic was originally addressed under *Open Forum*. The Deputy Administrator-Administration commented on the composition of the Building Code Collaborative and how it relates to the negotiated rulemaking process.

The Division will provide the Chairman with the contact information of individuals who have attended the Collaborative meetings. The Chairman will create an e-mail; addressing the Board’s desire for the collaborative committee to review, for possible adoption, the 2015 building and energy codes, and ask for a facilitator for the meetings. The DBS offered its facility and videoconference equipment for future meetings.

ACTION: The Deputy Administrator-Administration will provide the Building Code Collaborative contact information to the Chairman.

The Chairman asked that in the future all topics addressed at the Collaborative meetings be brought before the Board, not just items with total consensus. The Chairman also suggested the Collaborative review the 2015 building codes and modular rehabilitation.

Board Member Hunter reiterated, and agreed with Mr. Allen’s suggestion, that all the codes should be adopted in the same code cycle.

◆ **Legislative Update**

The Board’s two proposed rule dockets are now in effect with the adjournment of the legislature. They are: Mechanical ventilation requirement for homes with less than five air changes an hour; restoring the code exemption and permitting for fences up to seven feet; and correction to the lodging house provisions exempting those with five guest rooms from the fire sprinkler requirement.

◆ **Program Manager Report**

Tiny Homes – The Board received a copy of the Division’s tri-fold brochure titled *Tiny Homes, Manufactured Homes, Modular Buildings and Recreational Vehicles*.

Tiny homes, as far as how DBS regulate buildings, are not a classification of building. They have to be classified in some way to apply regulations, and that is what the brochure explains.

Employee Acknowledgement – Staff that work in the Building Program with the building codes were acknowledged by the Building Program Manager.

◆ **Operational Report**

Employee Acknowledgement – The Deputy Administrator-Operations mentioned the Division’s inspectors that work in factory housing.

◆ **Administrator Report**

Financial Report – The Idaho Building Code fund, FY 2015 financial statement as of February 28, 2015, was reviewed.

School Plan Reviews – With the passing of a \$90+ million bond for the West Ada School District, the Division has begun to see school plans come in for review. The bond calls for the construction of three new schools and the dramatic finalization of Meridian High School. In addition, there are other school districts across the state that will be involved in construction plans for their areas.

City of Ketchum – The Deputy Administrator-Administration provided an update on construction in the city of Ketchum; specifically two major hotel projects.

Budget – Legislature passed the Division’s budget; approving \$500 more than asked for.

Salaries and Wages – The legislature has approved a 3% increase, on a permanent basis, to all eligible state employees effective July 1, 2015. The Division will establish a matrix; rewarding employees based on their evaluations within the agency.

Safety and Security Inspections – Contained in the Department of Education’s (DOE) budget is a section concerning safety and security inspections of school districts throughout the state of Idaho. Three hundred thousand dollars was allocated by the legislature as it passed through the DOE budget to the DBS to conduct inspections. On a contract basis, four individuals have been hired within the state by the DOE. In essence, it calls for solidarity on the part of the DBS and DOE.

National Construction Authority – For two weeks in March/April, the DBS hosted delegates with the National Construction Authority (NCA) from Kenya. The mission of the NCA is to regulate and coordinate the construction industry for sustainable social and economic development.

◆ **Adjournment**

MOTION: Michael Arrington made a motion to adjourn the meeting. Dennis Schaffner seconded. All in favor, motion carried.

The meeting adjourned at 11:34 a.m. (MT).

ANDREW BICK, CHAIRMAN
IDAHO BUILDING CODE BOARD

C. KELLY PEARCE, ADMINISTRATOR
DIVISION OF BUILDING SAFETY

DATE

DATE

*These DRAFT minutes are subject to possible correction and final approval by the Idaho Building Code Board. 06/05/2015rb

IDAHO BUILDING CODE BOARD

Agenda Item No. 03a-e

Negotiated Rulemaking

PRESENTER: Jason Blais, Board Member and Code Collaborative Representative

OBJECTIVE: Review proposed additions/amendments to the building codes, energy code and IDAPA rules.

ACTION: Informational

BACKGROUND: **3a** - In the 2012 edition of the International Building Code (IBC), Section 907.2.3, modify the occupant load from “30 or less” to “50 or less” in a Group E occupancy that does not require a manual fire alarm system. The correct verbiage is in the 2015 IBC; however, the code has not been adopted.

3b – Prior to the adoption of the 2012 International Residential Code (IRC) and 2012 International Energy Conservation Code (IECC), verbiage was added to IDAPA rules 07.03.01.004.02(p) and 07.03.01.004(j) with regard to new wood burning fireplaces. The language is in the 2012 codes; therefore, it was recommended to delete the two IDAPA rules.

3c – The “Exception” to IRC R302.2 on fire-resistance rated wall assemblies is currently in IDAPA 07.03.01.004.02(g); however, there is confusion on the language. This proposal would clarify the language in the rule by providing two exceptions that specify three acceptable options and methods to separate townhouses from each other.

3d – The amendment to the “Exception” for IRC R313.1, as it pertains to townhouses and automatic fire sprinkler systems, is in IDAPA 07.03.01.004.02(i). The proposal would clarify the rule by providing two acceptable options and methods to separate townhomes from each other without having to install a fire sprinkler system.

3e – The 2012 edition of the IECC changed code section references by adding an “R” in front of the residential codes and a “C” in front of the commercial codes. This proposal would correct code section references in multiple amendment sections of the IDAPA rule for the IECC.

ATTACHMENTS: Draft rule



**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. Pursuant to Section 39-4109, Idaho Code, the effective date of any edition of the codes adopted in this Section, or any amendments identified thereto, shall be January 1 of the succeeding year following legislative approval of the rulemaking establishing the edition or amendment. 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 the International Code Council at <http://www.iccsafe.org>. (3-20-14)

01. International Building Code. 2012 Edition with the following amendments: (4-4-13)

a. Delete section 305.2.3 and replace with the following: Twelve (12) or fewer children in a dwelling unit. A facility such as the above within a dwelling unit and having twelve (12) or fewer children receiving such day care shall be classified as a Group R-3 occupancy or shall comply with the International Residential Code. (3-20-14)

b. Delete section 308.6.4 and replace with the following: Persons receiving care in a dwelling unit. A facility such as the above within a dwelling unit and having twelve (12) or fewer children receiving day care or having five (5) or fewer persons receiving custodial care shall be classified as a Group R-3 occupancy or shall comply with the International Residential Code. (3-20-14)

c. Delete section 310.5 and replace with the following: Residential Group R-3. Residential occupancies where the occupants are primarily permanent in nature and not classified as Group R-1, R-2, R-4, E or I, including: (3-20-14)

- i. Buildings that do not contain more than two (2) dwelling units; (3-20-14)
 - ii. Boarding houses (nontransient) with sixteen (16) or fewer occupants; (3-20-14)
 - iii. Boarding houses (transient) with ten (10) or fewer occupants; (3-20-14)
 - iv. Care facilities that provide accommodations for five (5) or fewer persons receiving care; (3-20-14)
 - v. Congregate living facilities (nontransient) with sixteen (16) or fewer occupants; (3-20-14)
 - vi. Congregate living facilities (transient) with ten (10) or fewer occupants; or (3-20-14)
 - vii. Dwelling units providing day care for twelve (12) or fewer children. (3-20-14)
- d.** Delete section 310.5.1 and replace with the following: Care facilities within a dwelling. Care facilities for twelve (12) or fewer children receiving day care or for five (5) or fewer persons receiving care that are within a single-family dwelling are permitted to comply with the International Residential Code. (3-20-14)
- e.** Amend IBC section 907.2.3 – Group E as follows:
- i. Delete exception No. 1 contained under IBC section 907.2.3 – Group E, and replace with the following: A manual fire alarm system is not required in Group E occupancies with an occupant load of fifty (50) or less.
 - ii. Add the following as exception No. 2 under IBC section 907.2.3 – Group E: Emergency voice/alarm communication systems meeting the requirements of Section 907.5.2.2, and installed in accordance with Section 907.6 shall not be required in Group E occupancies with occupant loads of 100 or less, provided that activation of the manual fire alarm system initiates an approved occupant notification signal in accordance with Section 907.5.
 - iii. Re-number exception No. 2 as exception No. 3 under IBC section 907.2.3 – Group E.
 - iv. Delete exception No. 3 and replace with the following as exception No 4: Manual fire alarm boxes shall not be required in Group E occupancies where all of the following apply:
 - 4.1 The building is equipped throughout with an approved automatic sprinkler system installed in accordance with Section 903.3.1.1.
 - 4.2 The emergency voice/alarm communication system will activate on sprinkler waterflow.
 - 4.3 Manual activation is provide from a normally occupied location.
- ef.** Delete footnote (f) contained under Table 2902.1 Minimum Number of Required Plumbing Fixtures, and replace with the following: Drinking fountains are not required for an occupant load of thirty (30) or fewer. (4-4-13)
- fg.** Delete footnote (g) contained under Table 2902.1 Minimum Number of Required Plumbing Fixtures and replace with the following: For business occupancies, excluding restaurants, and mercantile occupancies with an occupant load of thirty (30) or fewer, service sinks shall not be required. (3-20-14)
- 02. International Residential Code.** 2012 Edition with the following amendments: (3-20-14)
- a.** Delete exception No. 1 contained under IRC section R101.2 - Scope. (3-20-14)
 - b.** Delete exception No. 2 contained under IRC section R101.2 - Scope, and replace with the following: Owner-occupied lodging houses with five (5) or fewer guestrooms shall be permitted to be constructed in accordance

with the International Residential Code for One- and Two-family Dwellings. (4-11-15)

c. Delete item No. 7 contained under the “Building” subsection of IRC section R105.2 - Work exempt from permit, and replace with the following: Prefabricated swimming pools that are not greater than four (4) feet (one thousand, two hundred nineteen (1219) mm) deep. (4-7-11)

d. Add the following item No. 11 at the end of the “Building” subsection of IRC section R105.2 - Work exempt from permit: Flag poles. (3-20-14)

e. 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. (3-29-10)

f. IRC Table R302.1(1) Exterior Walls -- delete Table R302.1(1) and replace with the following:

**TABLE R302.1(1)
EXTERIOR WALLS**

EXTERIOR WALL ELEMENT		MINIMUM FIRE-RESISTANCE RATING	MINIMUM FIRE SEPARATION DISTANCE
Walls	Fire-resistance rated	1 hour-tested in accordance with ASTM E 119 or UL263 with exposure from both sides	< 3 feet
	Not fire-resistance rated	0 hours	≥ 3 feet
Projections	Fire-resistance rated	1 hour on the underside	≥ 2 feet to < 3 feet
	Not fire-resistance rated	0 hours	≥ 3 feet
Openings in Walls	Not allowed	N/A	< 3 feet
	25% maximum of wall area	0 hours	≥ 3 feet to < 5 feet
	Unlimited	0 hours	5 feet
Penetrations	All	Comply with Section R302.4	< 3 feet
		None required	≥ 3 feet

For SI: 1 foot = 304.8 mm.

N/A = Not Applicable

(4-11-15)

g. Delete the exception contained under IRC section R302.2 -- Townhouses, and replace with the following ~~two~~ Exceptions: A common one-hour or two-hour fire resistance rated wall assembly tested in accordance with ASTM E 119 or UL 263 is permitted for townhouses if 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. (3-29-10)

i. When provided with an automatic fire sprinkler system per section R313.1, a common 1-hour fire-resistance-rated wall assembly tested in accordance with ASTM E 119 or UL 263 is permitted for townhouses if

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 exterior walls and the underside of the roof sheathing. Penetrations of electrical outlet boxes shall be in accordance with Section R302.4

ii. Two (2) 1-hour fire-resistance-rated wall assemblies (as specified in Section R302.1) or a common 2-hour fire-resistance-rated wall assembly tested in accordance with ASTM E 119 or UL 263 are permitted for townhouses. If two (2) 1-hour fire-resistance-rated walls are used, plumbing and electrical installations within the wall cavity shall conform to fire-resistance penetration requirements in accordance with section R302.4 through R302.4.2 for each of the two (2) 1-hour rated walls penetrated. The 2-hour fire-resistance-rated common wall shall not contain plumbing or mechanical equipment, ducts or vents within its wall cavity. 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

h. Delete IRC section R303.4 and replace with the following: R303.4 Mechanical Ventilation. Dwelling units shall be provided with whole-house mechanical ventilation in accordance with Section M1507.3

Exception: Where the air infiltration rate of a dwelling unit is equal to 5 air changes per hour or greater when tested with a blower door at a pressure of 0.2 inch w.c. (50 pa) in accordance with Section N1102.4.1.2.

(4-11-15)

i. 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 either two (2) 1-hour fire-resistance-rated walls or a common two-hour fire-resistance rated wall, as specified in exception 2 of section R302.2 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. (3-29-10)

j. Delete IRC section R313.2. (3-29-10)

k. Add the following to IRC section R315.3 - Where required in existing dwellings: Exceptions: 1. Work involving the exterior surfaces of dwellings, such as, but not limited to, replacement of roofing or siding, or the addition or replacement of windows or doors, or the addition of a porch or deck or electrical permits, are exempt from the requirements of this section; and 2. Installation, alteration or repairs of noncombustion plumbing or mechanical systems are exempt from the requirements of this section. (3-20-14)

l. Delete IRC section R322.1.10. (3-29-10)

m. Delete IRC section R322.2.2 subparagraph 2.2, and replace with the following: The total net area of all openings shall be at least one (1) square inch (645 mm²) for each square foot (0.093 m²) 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. (3-20-14)

n. Delete IRC section R501.3 and its exceptions. (3-20-14)

o. Delete IRC section R602.10 and replace with the following: Wall bracing. Buildings shall be braced in accordance with this section or, when applicable section R602.12, or the most current edition of APA System Report SR-102 as an alternate method. Where a building, or portion thereof, does not comply with one (1) or more of the bracing requirements in this section, those portions shall be designated and constructed in accordance with section R301.1. (3-20-14)

~~**p.** Delete section N1102.4.3 and replace with the following: Fireplaces. New wood burning fireplaces shall have tight fitting flue dampers and outdoor combustion air. (4-4-13)~~

~~**qp.** Chapter 11 [RE] Energy Efficiency - The following sections and tables of chapter 11 shall be amended in accordance with the requirements contained below in Subsection 004.04 of these rules which correspond to the appropriate section: (3-20-14)~~

- i. Table N1102.1.1 (Table R402.1.1) - Insulation and Fenestration Requirements by Component; (3-20-14)
 - ii. Table N1102.1.3 (Table R402.1.3 - Equivalent U-Factors; (3-20-14)
 - iii. Table N1102.2.6 (Table R402.2.6) - Steel-Frame Ceiling, Wall and Floor Insulation (R-Value); (3-20-14)
 - iv. Section N1102.4.1 (R402.4.1) Building Thermal Envelope; (3-20-14)
 - v. Section N1102.4.1.1 (R402.4.1.1) - Insulation; (3-20-14)
 - vi. Table N1102.4.1.1 (Table R402.4.1.1) - Air Barrier and Insulation Installation; (3-20-14)
 - vii. Section N1102.4.1.2 (R402.4.1.2) Testing Option; (3-20-14)
 - viii. Add Section N1102.4.1.3 (R402.4.1.3) - Visual Inspection Option; (3-20-14)
 - ix. Add Section N1102.6 (R402.6) - Residential Log Home Thermal Envelope; (3-20-14)
 - x. Add Table N1102.6 (Table R402.6) - Log Home Prescriptive Thermal Envelope Requirements by Component; and (3-20-14)
 - xi. Section N1104.1 (R404.1) - Lighting Equipment. (3-20-14)
- 03. International Existing Building Code.** 2012 Edition. (4-4-13)
- 04. International Energy Conservation Code.** 2012 Edition with the following amendments. (3-20-14)
- a. Delete the values contained in Table R402.1.1 (Table N1102.1.1) for climate zone “5 and Marine 4” and climate zone “6” and replace with the following: (3-20-14)

TABLE R402.1.1 INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT										
Climate Zone	Fenestration U- Factor	Skylight U-factor	Glazed Fenestration SHGC	Ceiling R-Value	Wood Frame Wall R-Value	Mass Wall R-Value	Floor R-Value	Basement Wall R-Value	Slab R-Value	Crawlspace Wall R-Value
5 and Marine 4	0.35	0.60	NR	38	20 or 13+5h	13/17	30g	10/13	10, 2 ft	10/13
6	0.35	0.60	NR	49	20 or 13+5h	15/19	30g	15/19	10, 4 ft	10/13

(3-20-14)

- b. Add the following footnote to the title of Table R402.1.1 - Insulation and Fenestration Requirements by Component: ^k For residential log home building thermal envelope construction requirements see section R402.6. (4-7-11)
- c. Delete the values contained in Table R402.1.3 (Table N1102.1.3) for climate zone “5 and Marine 4”

and climate zone “6” and replace with the following:

TABLE R402.1.3 EQUIVALENT U-FACTORS								
Climate Zone	Fenestration U-factor	Skylight U-factor	Ceiling R-Value	Wood Frame Wall R-Value	Mass Wall R-Value	Floor R-Value	Basement Wall R-Value	Crawlspace Wall R-Value
5 and Marine 4	0.35	0.60	0.030	0.057	0.082	0.033	0.059	0.065
6	0.35	0.60	0.026	0.057	0.060	0.033	0.050	0.065

(3-20-14)

d. Delete Table R402.2.6 (Table N1102.2.6) and replace with the following:

TABLE R402.2.6 STEEL-FRAME CEILING, WALL AND FLOOR INSULATION (R-VALUE)	
Wood Frame R-value Requirement	Cold-formed Steel Equivalent R-value ^a
Steel Truss Ceilings ^b	
R-30	R-38 or R-30 + 3 or R-26 + 5
R-38	R-49 or R-38 + 3
R-49	R-38 + 5
Steel Joist Ceilings ^b	
R-30	R-38 in 2 x 4 or 2 x 6 or 2 x 8 R-49 in any framing
R-38	R-49 in 2 x 4 or 2 x 6 or 2 x 8 or 2 x 10
Steel-Framed Wall	
R-13	R-13 + 5 or R-15 + 4 or R-21 + 3 or R-0 + 10
R-19	R-13 + 9 or R-19 + 8 or R-25 + 7
R-21	R-13 + 10 or R-19 + 9 or R-25 + 8
Steel Joist Floor	
R-13	R-19 in 2 x 6 R-19 + 6 in 2 x 8 or 2 x 10
R-19	R-19 + 6 in 2 x 6 R-19 + 12 in 2 x 8 or 2 x 10

- a. Cavity insulation R-value is listed first, followed by continuous insulation R-value.
- b. Insulation exceeding the height of the framing shall cover the framing.

(3-20-14)

e. Delete section [R402.4.1](#) (N1102.4.1) and replace with the following: Building thermal envelope. The building thermal envelope shall comply with sections [R402.1.1](#) and either section [R402.4.1.2](#) or [R402.4.1.3](#). The sealing methods between dissimilar materials shall allow for differential expansion and contraction. (3-20-14)

f. Delete section [R402.4.1.1](#) (N1102.4.1.1) and replace with the following: Installation. The components of the building thermal envelope as listed in Table [R402.4.1.1](#) shall be installed in accordance with the manufacturer’s instructions and the criteria listed in Table [R402.4.1.1](#), as applicable to the method of construction. (3-20-14)

g. Delete the criteria requirement for the “Fireplace” component of Table [R402.4.1.1](#) (Table N1102.4.1.1) - Air Barrier and Insulation Installation, and replace with the following: An air barrier shall be installed on fireplace walls. (3-20-14)

h. Delete section [R402.4.1.2](#) (N1102.4.1.2) and replace with the following: Testing option, Building envelope tightness and insulation installation shall be considered acceptable when tested air leakage is less than seven (7) air changes per hour (ACH) when tested with a blower door at a pressure of 33.5 psf (50 Pa). Testing shall occur after rough in and after installation of penetrations of the building envelope, including penetrations for utilities, plumbing, electrical, ventilation and combustion appliances. During testing: (3-20-14)

- i. Exterior windows and doors, fireplace and stove doors shall be closed, but not sealed; (3-20-14)
- ii. Dampers shall be closed, but not sealed, including exhaust, intake, makeup air, backdraft and flue dampers; (3-20-14)
- iii. Interior doors shall be open; (3-20-14)
- iv. Exterior openings for continuous ventilation systems and heat recovery ventilators shall be closed and sealed; (3-20-14)
- v. Heating and cooling system(s) shall be turned off; (3-20-14)
- vi. HVAC ducts shall not be sealed; and (3-20-14)
- vii. Supply and return registers shall not be sealed. (3-20-14)

i. Add the following as section [R402.4.1.3](#) (N1102.4.1.3): Visual inspection option, Building envelope tightness and insulation installation shall be considered acceptable when the items listed in Table [R402.4.1.1](#), applicable to the method of construction, are field verified. Where required by code official an approved party independent from the installer of the insulation shall inspect the air barrier and insulation. (3-20-14)

~~j. Delete section [402.4.3](#) and replace with the following: Fireplaces. New wood burning fireplaces shall have tight fitting flue dampers and outdoor combustion air. (4-4-13)~~

[kj.](#) Add the following section: [R402.6](#) (N1102.6) Residential Log Home Thermal Envelope. Residential log home construction shall comply with sections [R401](#) (General), [R402.4](#) (Air Leakage), [R402.5](#) (Maximum Fenestration U-Factor and SHGC), [R403.1](#) (Controls), [R403.2.2](#) (Sealing), [R403.2.3](#) (Building Cavities), sections [R403.3](#) through [R403.9](#) (referred to as the mandatory provisions), Section [R404](#) (Electrical Power and Lighting Systems), and either [Subparagraph 004.04.b.i.](#), [ii.](#), or [iii.](#) as follows: (3-20-14)

- i. Sections [R402.2](#) through [R402.3](#), [R403.2.1](#), [R404.1](#) and Table [R402.6](#); (4-7-11)

- ii. Section R405 Simulated Performance Alternative (Performance); or (4-7-11)
- iii. REScheck (U.S. Department of Energy Building Codes Program). (4-7-11)

lk. Add Table R402.6 (Table N1102.6) Log Home Prescriptive Thermal Envelope Requirements By Component to be used only in accordance with Subparagraph 004.04.b.item i. of section R402.6 above to appear as follows:

**TABLE R402.6
LOG HOME PRESCRIPTIVE THERMAL ENVELOPE REQUIREMENTS BY COMPONENT**

For SI: 1 foot = 304.8 mm.

Climate Zone	Fenestration U-factor ^a	Skylight U-factor	Glazed Fenestration Shgc	Ceiling R-value	Min. Average Log Size In Inches	Floor R-value	Basement Wall R-value ^d	Slab R-value & Depth ^b	Crawl Space Wall R-value ^d
5, 6 - High efficiency equipment pathc	0.32	0.60	NR	49	5	30	15/19	10, 4 ft.	10/13
5	0.32	0.60	NR	49	8	30	10/13	10, 2 ft.	10/13
6	0.30	0.60	NR	49	8	30	15/19	10, 4 ft.	10/13

- 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 base board 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-13 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.

(3-20-14)

m. Delete section R404.1 (N1104.1) and replace with the following: Lighting equipment (Mandatory). A minimum of fifty percent (50%) of the lamps in permanently installed lighting fixtures shall be high-efficacy lamps or a minimum of fifty percent (50%) of the permanently installed lighting fixtures shall contain only high efficacy lamps. (3-20-14)

05. References to Other Codes. 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. (3-29-10)

005. OFFICE -- OFFICE HOURS -- STREET ADDRESS -- MAILING ADDRESS -- TELEPHONE, FACSIMILE AND WEB ADDRESS.

The principal place of business of the Division of Building Safety is in Meridian, Idaho. The office is located at 1090

IDAHO BUILDING CODE BOARD

Agenda Item No. 03f

2012 IECC – C101.5.3 (New Section)

PRESENTER: Arlan Smith, Building Program Manager

OBJECTIVE: Add a new section, C101.5.3, to the IECC.

ACTION: Informational

BACKGROUND: This proposal would exempt a class of buildings or portion of buildings that contain industrial, electronic, and manufacturing equipment from the requirements in the IECC. The only reason to provide heating or cooling to the buildings is to maintain the operating temperatures of the equipment.

**PROCEDURAL
HISTORY:**

ATTACHMENTS: Application for Review of a Proposed Statewide Amendment to State Adopted Codes



the openings will provide for equalization of hydrostatic flood forces on exterior walls by allowing the automatic entry and exit of floodwaters. (3-20-14)

n. Delete IRC section R501.3 and its exceptions. (3-20-14)

o. Delete IRC section R602.10 and replace with the following: Wall bracing. Buildings shall be braced in accordance with this section or, when applicable section R602.12, or the most current edition of APA System Report SR-102 as an alternate method. Where a building, or portion thereof, does not comply with one (1) or more of the bracing requirements in this section, those portions shall be designated and constructed in accordance with section R301.1. (3-20-14)

p. Delete section N1102.4.3 and replace with the following: Fireplaces. New wood-burning fireplaces shall have tight-fitting flue dampers and outdoor combustion air. (4-4-13)

q. Chapter 11 [RE] Energy Efficiency - The following sections and tables of chapter 11 shall be amended in accordance with the requirements contained below in Subsection 004.04 of these rules which correspond to the appropriate section: (3-20-14)

i. Table N1102.1.1 (Table R402.1.1) - Insulation and Fenestration Requirements by Component; (3-20-14)

ii. Table N1102.1.3 (Table R402.1.3 - Equivalent U-Factors; (3-20-14)

iii. Table N1102.2.6 (Table R402.2.6) - Steel-Frame Ceiling, Wall and Floor Insulation (R-Value); (3-20-14)

iv. Section N1102.4.1 (R402.4.1) Building Thermal Envelope; (3-20-14)

v. Section N1102.4.1.1 (R402.4.1.1) - Insulation; (3-20-14)

vi. Table N1102.4.1.1 (Table R402.4.1.1) - Air Barrier and Insulation Installation; (3-20-14)

vii. Section N1102.4.1.2 (R402.4.1.2) Testing Option; (3-20-14)

viii. Add Section N1102.4.1.3 (R402.4.1.3) - Visual Inspection Option; (3-20-14)

ix. Add Section N1102.6 (R402.6) - Residential Log Home Thermal Envelope; (3-20-14)

x. Add Table N1102.6 (Table R402.6) - Log Home Prescriptive Thermal Envelope Requirements by Component; and (3-20-14)

xi. Section N1104.1 (R404.1) - Lighting Equipment. (3-20-14)

03. International Existing Building Code. 2012 Edition. (4-4-13)

04. International Energy Conservation Code. 2012 Edition with the following amendments. (3-20-14)

a. Add the following as new subsection C101.5.3: Industrial, electronic, and manufacturing equipment. Buildings or portions thereof that are heated or cooled exclusively to maintain the required operating temperature of industrial, electronic, or manufacturing equipment shall be exempt from the provisions of this code. Such buildings or portions thereof shall be separated from connected conditioned space by building thermal envelope assemblies complying with this code.

ab. Delete the values contained in Table R402.1.1 (Table N1102.1.1) for climate zone “5 and Marine 4” and climate zone “6” and replace with the following: (3-20-14)

TABLE R402.1.1 INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT										
Climate Zone	Fenestration U- Factor	Skylight U-factor	Glazed Fenestration SHGC	Ceiling R-Value	Wood Frame Wall R-Value	Mass Wall R-Value	Floor R-Value	Basement Wall R-Value	Slab R-Value	Crawlspace Wall R-Value
5 and Marine 4	0.35	0.60	NR	38	20 or 13+5h	13/17	30g	10/13	10, 2 ft	10/13
6	0.35	0.60	NR	49	20 or 13+5h	15/19	30g	15/19	10, 4 ft	10/13

(3-20-14)

bc. 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. (4-7-11)

ed. Delete the values contained in Table R402.1.3 (Table N1102.1.3) for climate zone “5 and Marine 4” and climate zone “6” and replace with the following:

TABLE R402.1.3 EQUIVALENT U-FACTORS								
Climate Zone	Fenestration U-factor	Skylight U-factor	Ceiling R-Value	Wood Frame Wall R-Value	Mass Wall R-Value	Floor R-Value	Basement Wall R-Value	Crawlspace Wall R-Value
5 and Marine 4	0.35	0.60	0.030	0.057	0.082	0.033	0.059	0.065
6	0.35	0.60	0.026	0.057	0.060	0.033	0.050	0.065

(3-20-14)

de. Delete Table R402.2.6 (Table N1102.2.6) and replace with the following:

TABLE R402.2.6 STEEL-FRAME CEILING, WALL AND FLOOR INSULATION (R-VALUE)	
Wood Frame R-value Requirement	Cold-formed Steel Equivalent R-value ^a
Steel Truss Ceilings	
R-30	R-38 or R-30 + 3 or R-26 + 5
R-38	R-49 or R-38 +3
R-49	R-38 + 5
Steel Joist Ceilings	

R-30	R-38 in 2 x 4 or 2 x 6 or 2 x 8 R-49 in any framing
R-38	R-49 in 2 x 4 or 2 x 6 or 2 x 8 or 2 x 10
Steel-Framed Wall	
R-13	R-13 + 5 or R-15 + 4 or R-21 + 3 or R-0 + 10
R-19	R-13 + 9 or R-19 + 8 or R-25 + 7
R-21	R-13 + 10 or R-19 + 9 or R-25 + 8
Steel Joist Floor	
R-13	R-19 in 2 x 6 R-19 + 6 in 2 x 8 or 2 x 10
R-19	R-19 + 6 in 2 x 6 R-19 + 12 in 2 x 8 or 2 x 10
<p>a. Cavity insulation R-value is listed first, followed by continuous insulation R-value. b. Insulation exceeding the height of the framing shall cover the framing.</p>	

(3-20-14)

ef. Delete section 402.4.1 (N1102.4.1) and replace with the following: Building thermal envelope. The building thermal envelope shall comply with sections R402.1.1 and either section R402.4.1.2 or R402.4.1.3. The sealing methods between dissimilar materials shall allow for differential expansion and contraction. (3-20-14)

fg. Delete section 402.4.1.1 (N1102.4.1.1) and replace with the following: Installation. The components of the building thermal envelope as listed in Table R402.4.1.1 shall be installed in accordance with the manufacturer’s instructions and the criteria listed in Table R402.4.1.1, as applicable to the method of construction. (3-20-14)

gh. Delete the criteria requirement for the “Fireplace” component of Table R402.4.1.1 (Table N1102.4.1.1) - Air Barrier and Insulation Installation, and replace with the following: An air barrier shall be installed on fireplace walls. (3-20-14)

hi. Delete section 402.4.1.2 (N1102.4.1.2) and replace with the following: Testing option, Building envelope tightness and insulation installation shall be considered acceptable when tested air leakage is less than seven (7) air changes per hour (ACH) when tested with a blower door at a pressure of 33.5 psf (50 Pa). Testing shall occur after rough in and after installation of penetrations of the building envelope, including penetrations for utilities, plumbing, electrical, ventilation and combustion appliances. During testing: (3-20-14)

- i. Exterior windows and doors, fireplace and stove doors shall be closed, but not sealed; (3-20-14)
- ii. Dampers shall be closed, but not sealed, including exhaust, intake, makeup air, backdraft and flue dampers; (3-20-14)
- iii. Interior doors shall be open; (3-20-14)
- iv. Exterior openings for continuous ventilation systems and heat recovery ventilators shall be closed and sealed; (3-20-14)
- v. Heating and cooling system(s) shall be turned off; (3-20-14)

vi. HVAC ducts shall not be sealed; and (3-20-14)

vii. Supply and return registers shall not be sealed. (3-20-14)

ij. Add the following as section 402.4.1.3 (N1102.4.1.3): Visual inspection option, Building envelope tightness and insulation installation shall be considered acceptable when the items listed in Table 402.4.1.1, applicable to the method of construction, are field verified. Where required by code official an approved party independent from the installer of the insulation shall inspect the air barrier and insulation. (3-20-14)

jk. Delete section 402.4.3 and replace with the following: Fireplaces. New wood-burning fireplaces shall have tight-fitting flue dampers and outdoor combustion air. (4-4-13)

kl. Add the following section: R402.6 (N1102.6) 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 004.04.b.i., ii., or iii. as follows: (3-20-14)

i. Sections 402.2 through 402.3, 403.2.1, 404.1 and Table 402.6; (4-7-11)

ii. Section 405 Simulated Performance Alternative (Performance); or (4-7-11)

iii. REScheck (U.S. Department of Energy Building Codes Program). (4-7-11)

lm. Add Table R402.6 (Table N1102.6) 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 R402.6
LOG HOME PRESCRIPTIVE THERMAL ENVELOPE REQUIREMENTS BY COMPONENT**

For SI: 1 foot = 304.8 mm.

Climate Zone	Fenestration U-factor ^a	Skylight U-factor	Glazed Fenestration Shgc	Ceiling R-value	Min. Average Log Size In Inches	Floor R-value	Basement Wall R-value ^d	Slab R-value & Depth ^b	Crawl Space Wall R-value ^d
5, 6 - High efficiency equipment pathc	0.32	0.60	NR	49	5	30	15/19	10, 4 ft.	10/13
5	0.32	0.60	NR	49	8	30	10/13	10, 2 ft.	10/13
6	0.30	0.60	NR	49	8	30	15/19	10, 4 ft.	10/13

- 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 base board 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-13 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.

(3-20-14)

m. Delete section R404.1 (N1104.1) and replace with the following: Lighting equipment (Mandatory). A minimum of fifty percent (50%) of the lamps in permanently installed lighting fixtures shall be high-efficacy lamps or a minimum of fifty percent (50%) of the permanently installed lighting fixtures shall contain only high efficacy lamps. (3-20-14)

05. References to Other Codes. 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. (3-29-10)

005. OFFICE -- OFFICE HOURS -- STREET ADDRESS -- MAILING ADDRESS -- TELEPHONE, FACSIMILE 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 Department website at <http://dbs.idaho.gov>. (3-30-06)

006. PUBLIC RECORDS ACT COMPLIANCE.

The rules contained herein have been promulgated according to the provisions of Title 67, Chapter 52, Idaho Code and are public records. (3-30-06)

007. -- 025. (RESERVED)

026. DEFINITIONS.

The terms defined in this section shall have the following meaning for all parts of this chapter, unless the context clearly indicates another meaning: (3-30-06)

01. Act. The Idaho Building Code Act, Title 39, Chapter 41, Idaho Code. (3-30-06)

02. Administrator. The administrator of the Division of Building Safety for the state of Idaho. (3-30-06)

03. Alterations or Conversions of Modular Buildings. Any change from the approved plans or installation instructions which would affect the structural, mechanical, electrical or plumbing systems of modular buildings bearing a Division insignia of approval and shall include the replacement, addition, modification or removal of any structural member, plumbing, heat-producing or electrical equipment, or installation which may affect such systems prior to first occupancy. Any such alteration or conversion shall first be approved by testing and inspection in the same manner as original systems or component parts. The following shall not constitute alteration or conversion: (3-30-06)

a. Repairs with approved replacement parts; (3-30-06)

IDAHO BUILDING CODE BOARD

Agenda Item No. 03g

IDAPA 07.03.01.026 & 027

PRESENTER: Arlan Smith, Building Program Manager

OBJECTIVE: Rule change to permit the use of an “annual permit” for minor alterations of buildings.

ACTION: Informational

BACKGROUND: This proposal would exempt a class of buildings or portion of buildings that contain industrial, electronic, and manufacturing equipment from the requirements in the IECC. The only reason to provide heating or cooling to the buildings is to maintain the operating temperatures of the equipment.

PROCEDURAL HISTORY:

ATTACHMENTS: Draft proposed rule change



the same manner as original systems or component parts. The following shall not constitute alteration or conversion: (3-30-06)

- a. Repairs with approved replacement parts; (3-30-06)
 - b. Conversion of listed fuel-burning appliances in accordance with the terms of their listing;(3-30-06)
 - c. Replacement of equipment and appliances in kind; (3-30-06)
 - d. Adjustment and maintenance of equipment. (3-30-06)
- 06. Board.** The Idaho Building Code Board created under the provisions of Title 39, Chapter 41, Idaho Code. (3-30-06)
- 07. Bureau.** The Building Bureau of the Division of Building Safety. (3-30-06)
- 08. Commercial Coach.** In order to further clarify the definition of “commercial coach” as cited in Section 39-4105(5), Idaho Code, the phrase “made so as to be readily movable as a unit on its own running gear” shall mean that the running gear shall be a permanent part of the unit and not intended to be removed or replaced, and such modular structure is used for commercial purposes. (3-30-06)
- 09. Division.** The Division of Building Safety of the state of Idaho. (3-30-06)
- 10. Equipment.** All equipment, materials, appliances, devices, fixtures, fittings or accessories installed in the manufacture and assembly of modular buildings. (3-30-06)
- 11. Field Technical Service.** Interpretation and clarification of the technical data relating to the application of these rules, but not including inspection. (3-30-06)
- 12. First Purchaser.** The first purchaser of a commercial coach for other than resale. (3-30-06)
- 13. Insignia.** A label, tab or tag issued by the Division to indicate compliance with the codes, standards, rules and regulations established for manufactured building systems, subsystems, or building elements, modular buildings, and commercial coaches. (3-30-06)
- 14. Labeled.** Equipment or other building components bearing a label or other approved marking authorized or issued for use by a recognized testing/listing or evaluation agency. (3-30-06)
- 15. Listed.** Equipment or other building components included within a current list published by a recognized testing/listing agency that maintains periodic inspection on current production of listed equipment or other building components and whose listing states either that the equipment or component complies with recognized standards or has been tested and determined to be suitable for the use intended. (3-30-06)
- 16. Listing Agency.** A person, firm, association, partnership or corporation which is in the business of listing or labeling and which maintains a periodic inspection program on current production of listed materials, and which makes available, not less frequently than annually, a published report of such listing in which specific information is included that the product has been tested to nationally approved standards and found safe for use in a specified manner. (3-30-06)

17. Minor Alteration. For the purpose of administering annual permits, minor alterations shall include but are not limited to the following: partition walls constructed within a defined room; relocation of or existing openings or installation of new doors and windows in non-load bearing walls and not in construction meant to compartmentalize fire; window replacement in unaltered existing openings; roof repairs involving installation of less than one hundred square feet of new roof covering; new suspended ceilings that are not part of a required fire resistive assembly. Minor alterations shall not include: work that alters the fire resistive characteristics of the building or fire suppression systems; work that creates new openings in construction meant to compartmentalize fire such as fire

walls, fire barriers, fire partitions, smoke barriers, smoke partitions, horizontal assemblies, shaft enclosures, stair enclosures; work that increases the floor area or height of the building; work that changes the structural load path of the building for gravity or horizontal loads; work that reduces the thermal resistant capacity of the building envelop; changes in the occupancy classification of the building or space; increases in the floor loads.

178. Model. As referred to in Section 39-4113(3), Idaho Code, for modular buildings and commercial coaches shall mean a specific outside dimension and floor plan with specific structural, plumbing, electrical, and mechanical systems as designated by the manufacturer to be the standard for imitation reproduction. (3-30-06)

189. Testing/Listing Agency. A person, firm, association, partnership or corporation which is: (3-30-06)

- a.** In the business of testing equipment or other building components; and (3-30-06)
- b.** Recognized by the Division as being qualified and equipped to conduct experimental testing in accordance with recognized standards; and (3-30-06)
- c.** Not under the jurisdiction or control of any single manufacturer or supplier for an affected industry; and (3-30-06)
- d.** Making available, not less frequently than annually, a published report in which specific information is included stating that the equipment and systems have been tested and found safe for use in a specified manner. (3-30-06)

1920. Transit Damage. Application to manufactured home means that damage encountered enroute from the place of manufacture to the dealer or first owner involving structural integrity or any repair that does not result in return to the same construction or assembly as specified in the manufacturer's design approval without additional reinforcement or change. (3-30-06)

201. State Buildings. All buildings to be constructed, altered, or repaired by or for any state of Idaho agency or entity, without regard to purpose, occupancy, or the source of funding for such construction, alteration, or repair. (3-30-06)

212. Running Gear. Springs, spring hangers, axles, bearings, wheels, brakes, rims and tires and their related hardware. (3-30-06)

223. Substantially Prefabricated or Assembled. The module or major portion of modular buildings assembled in such manner that all portions may not be inspected without disassembly or destruction of the part. (3-30-06)

234. Substantially Prefabricated or Assembled. The module or major portion of commercial coaches is assembled in such manner that all portions may not be inspected without disassembly or destruction of the part. (3-30-06)

245. Systems Plan. A design plan concept that allows the interchanging of various approved construction systems to include structural, electrical, plumbing, and mechanical aspects of the system. (3-30-06)

256. Technical Service. Conducting research, evaluation, consultation, model and systems plan reviews, interpretation and clarification by the Division of technical data relating to the application of these rules, and shall also include special field inspections that are not covered in other portions of these rules. (3-30-06)

027. PERMITS.

01. Building Permits. Building permits shall be obtained from the Division prior to the construction of structures governed by the act or rules promulgated by the Board. ~~(3-30-06)~~

02. Annual Permit. In lieu of an individual permit for each minor alteration to an already approved building, the division may issue an annual permit upon application therefor to any state agency or state governmental organization regularly employing one or more qualified trade persons in the building, structure or on the premises or campus owned or operated by the applicant for the permit. The agency to whom an annual permit is issued shall keep a detailed record of alterations made under such annual permit. The division shall be allowed access to such records at all times or such records shall be filed with the division as designated. The permit holder shall request inspections and make the work accessible for inspection as required by the adopted codes and this rule.

028. PLAN REVIEW.

01. Jurisdiction. The Division shall have exclusive jurisdiction and authority to conduct plan reviews of the construction, additions, repairs, and occupancy of all state buildings regardless of the source of funding for such construction, addition, repair, or occupancy. (3-30-06)

02. Plans Specifications. Construction documents shall be dimensioned and drawn upon suitable material. Plans may be submitted electronically or in digital format as approved by the Division. Drawing format shall be equivalent to the paper format. Construction documents shall be of sufficient clarity to indicate the location, nature, and extent of the work proposed and show in detail that the installations will conform to the provisions of the building code and applicable laws, rules, and policies of the Division. (4-7-11)

03. Plans Not Required. Plans shall not be required for group U occupancies of Type V conventional light-frame wood construction. (3-30-06)

04. Addenda and Change Orders. (3-30-06)

a. Documents enforcing changes or modifications. Addenda, contract change orders, changes-in-work requests, and other similar written documents enforcing changes or modifications to plans or specifications, already approved by the Division, which addenda, change orders, or change-in-work requests deal with structural or fire resistance changes, or such other changes affecting code conformance, shall be submitted to the Bureau for approval. The use of the terms “addenda,” “change orders,” and “changes-in-work requests” shall not be limited exclusively to such phraseology, but shall be inclusive of such other language used in the professions which essentially have the same meaning. (3-30-06)

b. Application provisions. The provisions of this Section shall apply to that work which will be accomplished. (3-30-06)

029. FEES.
The following fee schedule shall be applicable for the functions cited: (3-30-06)

01. Document Fees. (3-30-06)

a. The administrator shall charge such reasonable and suitable fees necessary for copies of any record, plan approval, permit, map, sketch, drawing or other instrument. (3-30-06)

b. Charges for copies of separate published documents shall be actual cost to the Division plus postage. (3-30-06)

02. Technical Service Fee. One hundred dollars (\$100) per hour. (4-7-11)

03. Modular Building Fees. Other than as herein specified in this Section, the fee schedule for modular buildings shall be as provided herein in Table 1-A, and such fees shall be based on the Freight On Board (FOB) cost to the dealer at the point of manufacture. (3-30-06)

04. Insignia Tag Fee. In instances where building permit fees are not charged for modular buildings, a

one hundred dollar (\$100) fee will be charged for an insignia. (3-30-06)

05. Payment of Fees. Fees shall be paid to and collected by the Division. (3-30-06)

06. Commercial Coaches. Other than as herein specified in this Section, the fee schedule for commercial coaches shall be as provided in Table 1-A, and such fees shall be based on the Freight On Board (FOB) cost to the dealer at the point of manufacture. (3-30-06)

07. Building Permit Fees.
The building permit fee for each permit shall be as set forth in the following table. The determination of value or valuation shall be made by the administrator and shall be the total value of all construction work for which a permit is issued. (4-7-11)

TABLE 1-A - BUILDING PERMIT FEES	
Total Valuation	Fee
\$1 to \$500	= \$23.50
\$501 to \$2,000	= \$23.50 for the first \$500 plus \$3.05 for each additional \$100, or fraction thereof, to and including \$2,000
\$2,001 to \$25,000	= \$69.25 for the first \$2,000 plus \$14 for each additional \$1,000, or fraction thereof, to and including \$25,000
\$25,001 to \$50,000	= \$391.75 for the first \$25,000 plus \$10.10 for each additional \$1,000, or fraction thereof, to and including \$50,000
\$50,001 to \$100,000	= \$643.75 for the first \$50,000 plus \$7 for each additional \$1,000, or fraction thereof, to and including \$100,000
\$100,001 to \$500,000	= \$993.75 for the first \$100,000 plus \$5.60 for each additional \$1,000, or fraction thereof, to and including \$500,000
\$500,001 to \$1,000,000	= \$3,233.75 for the first \$500,000 plus \$4.75 for each additional \$1,000, or fraction thereof, to and including \$1,000,000
\$1,000,001 to \$5,000,000	= \$5,608.75 for the first \$1,000,000 plus \$3.65 for each additional \$1,000, or fraction thereof, to and including \$5,000,000
\$5,000,001 to \$10,000,000	= \$20,208.75 for the first \$5,000,000 plus \$2.75 for each additional \$1,000, or fraction thereof, to and including \$10,000,000
\$10,000,001 and up	= \$33,958.75 for the first \$10,000,000 plus \$2 for each additional \$1,000, or fraction thereof

(4-7-11)

08. Fees for Annual Permits. A fee for inspections performed on annual permits shall be charged at the rate of one hundred dollars (\$100.00) per hour. The division shall bill the applicant for annual permits and failure of the applicant to pay the fee within sixty (60) days may result in cancellation of the annual permit.

089. Plan Review Fees. Plan review fees shall be charged at an hourly rate of one hundred dollars (\$100) per hour up to a maximum of sixty-five percent (65%) of the calculated building permit fee with a minimum required fee of forty percent (40%) of the calculated building permit fee. All requests for plan review services shall at such time

be accompanied by a payment in the amount of at least forty percent (40%) of the calculated building permit fee. Upon completion of the plan review, any additional fees, above the minimum required, shall be due to the Division by the requesting party. (4-7-11)

109. Refund of Plan Review Fees. There shall be no refund of plan review fees. (3-30-06)

101. Refund of Permit Fees. The Administrator may authorize a refund of any permit fee paid which was erroneously paid or collected. The Administrator may authorize a refund of not more than eighty percent (80%) of the permit fee paid when no work has been done under a permit issued in accordance with these rules. The Administrator shall not authorize a refund of any permit fee paid except upon written application filed by the original applicant not later than one hundred eighty (180) days after the date of permit issuance. (4-7-11)

030. RIGHT OF ENTRY.

Whenever necessary to make an inspection to enforce any of the provisions of Title 39, Chapters 40 and 41, Idaho Code, or whenever the administrator or his authorized representative has reasonable cause to believe that there exists in any building or upon any premises, any condition which makes such building or premises unsafe, the administrator or his authorized representative shall enter such building or premises at all reasonable times to inspect the same or to perform any duty imposed upon the Division by Title 39, Chapters 40 and 41, Idaho Code; provided that if such building or premises is occupied, he shall first present proper credentials and demand entry; and if such building or premises be unoccupied, he shall first make a reasonable effort to locate the owner or other persons having charge or control of the building or premises and demand entry. If such entry is refused, the administrator shall have recourse to every remedy provided by law to secure entry. (3-30-06)

031. WORK PROCEEDING WITHOUT PERMIT OR APPROVAL.

Where any work for which a permit or approval, to include plan or system approval, is required by these rules, or by the codes enumerated in Title 39, Chapter 41, Idaho Code, is started or proceeded prior to obtaining said approval or permit, and after notice to such person doing or causing such work to be done, and such person continues or causes to continue such work, the fees specified in these rules shall be doubled, but the payment of such double fee shall not relieve any persons from fully complying with the requirements of Title 39, Chapters 40 or 41, or both, Idaho Code, or these rules in the execution of the work nor from any other penalties prescribed by law. (3-30-06)

032. STOP WORK ORDERS.

Whenever any work is being done contrary to any provisions of the codes enumerated in Title 39, Chapters 40 or 41, or both, Idaho Code, or contrary to these rules, the administrator or his authorized representative may order the work stopped by notice in writing served on any persons engaged in the doing or causing such work to be done, and any such persons shall forthwith stop such work until authorized by the administrator or his representative to proceed with the work. Stop work orders shall be accompanied by a notice of violation which shall state the specific violation and code reference. Stop work notices shall be red in color. (3-30-06)

033. PROHIBITED SALE OR OCCUPANCY NOTICE.

Whenever any mobile/manufactured home, commercial coach or other modular building is in violation of any of the provisions of Title 39, Chapter 40 or 41, or both, Idaho Code, or these rules, the administrator or his authorized representative may prohibit the sale or occupancy of such building, and any and all persons shall be forthwith prohibited from selling or occupying such building. Prohibited sale or occupancy notices shall be removed only on authority of the administrator or his authorized representative. Prohibited sale or occupancy notices shall be orange in color. (3-30-06)

034. REMOVAL OF ORDERS AND NOTICES; SALE, RENT, LEASE OR OCCUPANCY OF A UNIT BEARING SUCH ORDER OR NOTICE.

Removal of stop work orders, prohibited sale or occupancy notices, or the sale, rent, lease or occupancy of a building or structure, bearing such order or notice by any person not authorized by the administrator or his authorized representative, shall constitute a violation under the provisions of Section 39-4126, Idaho Code, and shall fall under the provisions of Section 18-317, Idaho Code. (3-30-06)

035. MODULAR BUILDINGS.

IDAHO BUILDING CODE BOARD

Agenda Item No. 04a

IBC 907.2.3 Group E

PRESENTER: Jason Blais, Board Member and Code Collaborative Representative

OBJECTIVE: Vote to modify, in the International Building Code, the occupant load in a Group E occupancy.

ACTION: Accept or reject the proposed amendment.

BACKGROUND: In the 2012 edition of the International Building Code (IBC), Section 907.2.3, modify the occupant load from “30 or less” to “50 or less” in a Group E occupancy that does not require a manual fire alarm system. The correct verbiage is in the 2015 IBC; however, the code has not been adopted.

**PROCEDURAL
HISTORY:**

ATTACHMENTS: See agenda item 03a-e for supporting documentation



IDAHO BUILDING CODE BOARD

Agenda Item No. 04b

IRC N1102.4.3/IECC 402.4.3

PRESENTER: Jason Blais, Board Member and Code Collaborative Representative

OBJECTIVE: Vote to delete IDAPA 07.03.01.004.02(p) and 07.03.01.004.04(j).

ACTION: Accept or reject the proposal

BACKGROUND: Prior to the adoption of the 2012 International Residential Code (IRC) and 2012 International Energy Conservation Code (IECC), verbiage was added to IDAPA rules 07.03.01.004.02(p) and 07.03.01.004(j) with regard to new wood burning fireplaces. The language is in the 2012 codes; therefore, it was recommended to delete the two IDAPA rules.

PROCEDURAL HISTORY:

ATTACHMENTS: See agenda item 03a-e for supporting documentation



IDAHO BUILDING CODE BOARD

Agenda Item No. 04c

IRC R302.2

PRESENTER: Jason Blais, Board Member and Code Collaborative Representative

OBJECTIVE: Vote to clarify the language in IDAPA 07.03.01.004.02(g).

ACTION: Accept or reject the proposal.

BACKGROUND: The “Exception” to IRC R302.2 on fire-resistance rated wall assemblies is currently in IDAPA 07.03.01.004.02(g); however, there is confusion on the language. This proposal would clarify the language in the rule by providing two exceptions that specify three acceptable options and methods to separate townhouses from each other.

**PROCEDURAL
HISTORY:**

ATTACHMENTS: See agenda item 03a-e for supporting documentation



IDAHO BUILDING CODE BOARD

Agenda Item No. 04d

IRC R313.1

PRESENTER: Jason Blais, Board Member and Code Collaborative Representative

OBJECTIVE: Vote to clarify the language in IDAPA 07.03.01.004.02(i).

ACTION: Accept or reject the proposal.

BACKGROUND: The amendment to the “Exception” for IRC R313.1, as it pertains to townhouses and automatic fire sprinkler systems, is in IDAPA 07.03.01.004.02(i). The proposal would clarify the rule by providing two acceptable options and methods to separate townhomes from each other without having to install a fire sprinkler system.

**PROCEDURAL
HISTORY:**

ATTACHMENTS: See agenda item 03a-e for supporting documentation



IDAHO BUILDING CODE BOARD

Agenda Item No. 04e

IDAPA 07.03.01.004.04

PRESENTER: Jason Blais, Board Member and Code Collaborative Representative

OBJECTIVE: Vote to correct code section references in the IDAPA rule.

ACTION: Accept or reject the proposal.

BACKGROUND: The 2012 edition of the IECC changed code section references by adding an “R” in front of the residential codes and a “C” in front of the commercial codes. This proposal would correct code section references in multiple amendment sections of the IDAPA rule for the IECC.

PROCEDURAL HISTORY:

ATTACHMENTS: See agenda item 03a-e for supporting documentation



IDAHO BUILDING CODE BOARD

Agenda Item No. 04f

2012 IECC – C101.5.3 (New Section)

PRESENTER: Arlan Smith, Building Program Manager

OBJECTIVE: Vote to add a new section, C101.5.3, to the IECC.

ACTION: Accept or reject the proposal.

BACKGROUND: This proposal would exempt a class of buildings or portion of buildings that contain industrial, electronic, and manufacturing equipment from the requirements in the IECC. The only reason to provide heating or cooling to the buildings is to maintain the operating temperatures of the equipment.

**PROCEDURAL
HISTORY:**

ATTACHMENTS: See agenda item 03f for supporting documentation



IDAHO BUILDING CODE BOARD

Agenda Item No. 04g

IDAPA 07.03.01.026 & 027

PRESENTER: Arlan Smith, Building Program Manager

OBJECTIVE: Vote on a rule change to permit the use of an “annual permit” for minor alterations of buildings.

ACTION: Accept or reject the proposed rule change.

BACKGROUND: This proposal would exempt a class of buildings or portion of buildings that contain industrial, electronic, and manufacturing equipment from the requirements in the IECC. The only reason to provide heating or cooling to the buildings is to maintain the operating temperatures of the equipment.

**PROCEDURAL
HISTORY:**

ATTACHMENTS: See agenda item 03g for supporting documentation



IDAHO BUILDING CODE BOARD

Agenda Item No. 05

Program Manager Report

PRESENTER: Arlan Smith, Building Safety Program Manager

OBJECTIVE: Update the Board on the Building program's current 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. 06

Operational Report

PRESENTER: Steve Keys, Deputy Administrator-Operations

OBJECTIVE: Provide update on the daily operations of the Building program and division.

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. 07

Administrator Report

PRESENTER: C. Kelly Pearce, Administrator

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

PRESENTER: Fred Sisneros, Financial Manager

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

ACTION: Informational

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

PROCEDURAL HISTORY:

ATTACHMENTS: Financial report





Division of Building Safety
 IDAHO BUILDING CODE FUND 0229-02
 Fiscal Year 2015 Financial Statements
 As of 05/31/2015

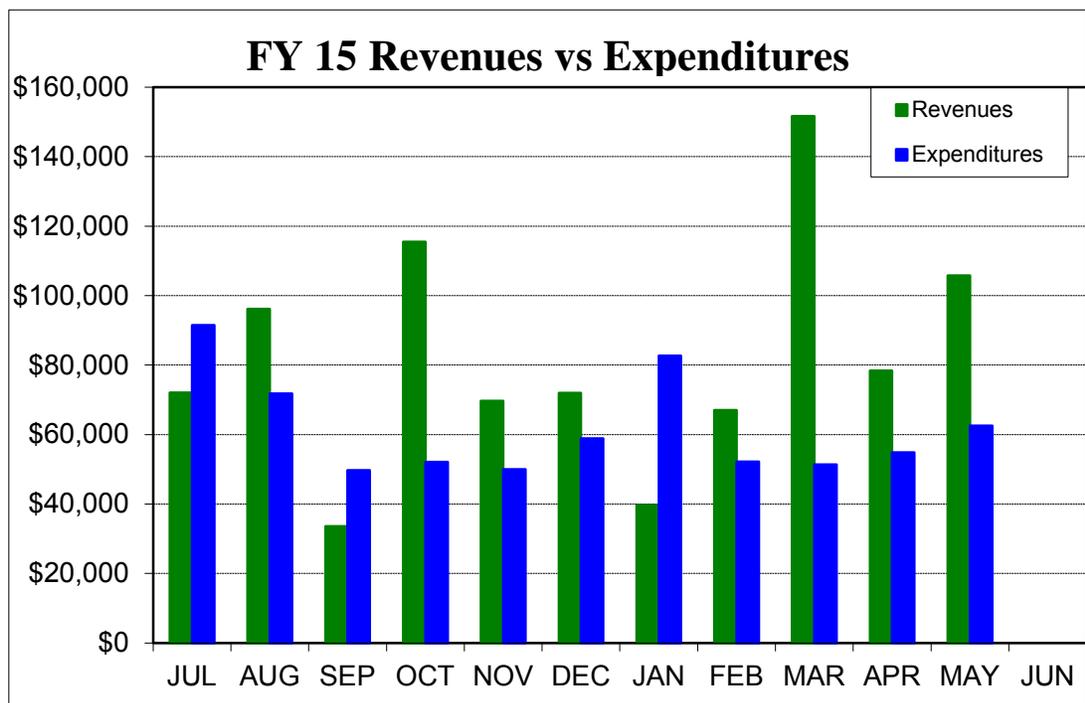
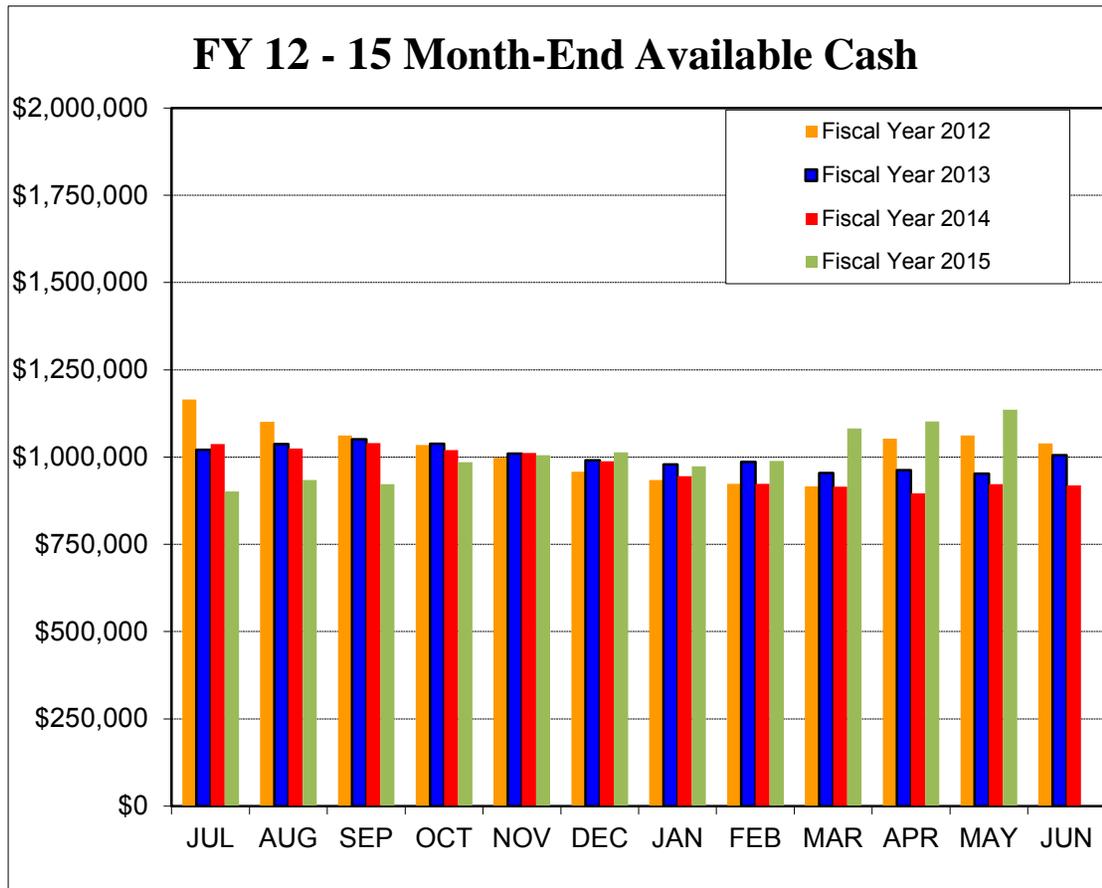
Statement of Revenues and Expenditures

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:	700,000	901,636	128.8%	(201,636)	(34,949)	866,688	123.8%
Expenditures							
Personnel:	550,600	518,417	94.2%	32,183	43,201	561,619	102.0%
Operating:	143,100	135,439	94.6%	7,661	14,950	150,389	105.1%
Capital:	28,000	23,816	85.1%	4,184	4,184	28,000	100.0%
Total Expenditures	721,700	677,672	93.9%	44,028	62,335	740,007	102.5%
Net for FY 2015	(21,700)	223,964			(97,284)	126,680	

Statement of Cash Balance

July 1, 2014 Beginning Cash Available	Fiscal Year to Date Revenues	Fiscal Year to Date Expenditures and Encumbrances	Other Changes in Cash	Available Cash as of May 31, 2015	Projected Change in Cash for Remainder of Year	Projected Year End Available Cash
918,555	901,636	(677,672)	(7,135)	1,135,384	(97,284)	1,038,100

IDAHO BUILDING CODE FUND 0229-02



IDAHO BUILDING CODE FUND 0229-02

