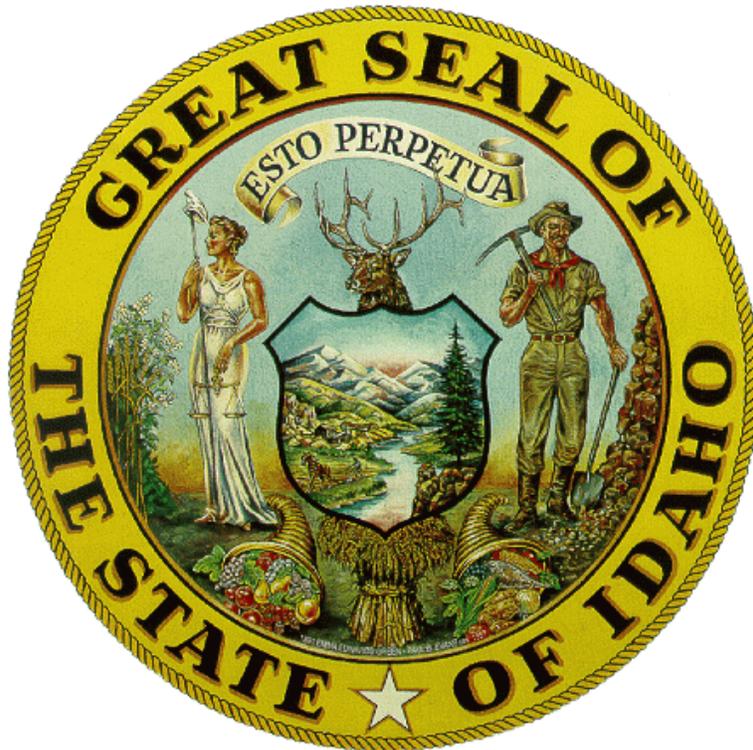


DIVISION OF BUILDING SAFETY

IDAHO ELECTRICAL BOARD  
VIDEOCONFERENCE MEETING

OCTOBER 22, 2013



# IDAHO ELECTRICAL BOARD

**Agenda Item No. 01**

**Agenda**

**PRESENTER:** Bob Scott, Chairman

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**OBJECTIVE:** Approve agenda for the October 22, 2013 Idaho Electrical Board meeting.

---

**ACTION:** Consent

---

**BACKGROUND:**

---

**PROCEDURAL  
HISTORY:**

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**ATTACHMENTS:** Tentative agenda

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## **TENTATIVE AGENDA**

### **NOTICE OF PUBLIC MEETING**

#### ***IDAHO ELECTRICAL 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 22, 2013  
9:30 a.m. – 3:30 p.m. (MT)***

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

---

**9:30 a.m. CALL TO ORDER** – Bob Scott, Chairman

- Roll Call & Introductions
- Open Forum

**CONSENT AGENDA**

1. Approval of the October 22, 2013 Agenda
2. Approval of the July 11, 2013 Board Meeting Minutes

**ACTION AGENDA**

3. **Administrative Appeals Hearing – Rob Foster**
  - a. **John Johnson – NOV ELE1305-0058**
4. **Schedule 2014 Meetings – Bob Scott**

**INFORMATIONAL AGENDA**

5. Legislative Update – Steve Keys
6. Journeyman to Apprentice Ratio – Rob Foster
7. Apprentice/Journeyman Exam – Rob Foster

**12 p.m. LUNCH BREAK** (*If needed*)

8. Program Manager Report – Rob Foster

9. Operational Report – Steve Keys
10. Administrator Report
  - a. Financial Report – C. Kelly Pearce and Kathleen Watkins
  - b. Administrator – C. Kelly Pearce

**3:30 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. 09/18/13r*

# IDAHO ELECTRICAL BOARD

**Agenda Item No. 02**

**Minutes**

**PRESENTER:** Bob Scott, Chairman

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**OBJECTIVE:** Approve minutes from the July 11, 2013 Idaho Electrical Board meeting.

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**ACTION:** Consent

---

**BACKGROUND:**

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**PROCEDURAL  
HISTORY:**

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**ATTACHMENTS:** Draft Minutes

---



**IDAHO ELECTRICAL BOARD  
VIDEOCONFERENCE MEETING**

**Thursday – July 11, 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 JULY 11, 2013 MEETING**

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

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

**Board Members Present:**

Bob Scott, Chairman  
Jeff Wheeler, Vice-Chairman  
Mark LaBolle  
Tim Phillips  
Al Frieze  
Denis Duman  
Dale Pippitt

**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  
Rob Foster, Electrical Program Manager  
Rod Freligh, Regional Manager, Region 1  
Chris Jensen, Regional Manager, Region 3  
Terry Blessing, Regional Supervisor, Region 1  
Bill Hatch, Public Information Officer  
Renee Bryant, Administrative Assistant 2/Board Secretary

**Board Members Absent:**

Kreg Davis  
Allan Perman

◆ **Open Forum**

Journeyman to Apprentice Ratio – Randy Lake, International Brotherhood of Electrical Workers, brought forth a concern that an out-of-state company is using employees from an Idaho-based electrical company and is not in compliance with the law as it pertains to journeyman-to-apprentice ratio.

A similar situation was brought before the Board a couple of years ago. It was determined even though the individuals are technically employed by another company, they are essentially considered employees of the out-of-state company and that company is responsible for their supervision, integration into the ratios, etc.

It was expressed this is a Board issue and the place to discuss it is at a later meeting should the Board so choose.

◆ **Approval of the July 11, 2013 Agenda**

The topic *Current Amendments to the 2008 Code* was added to the agenda, item three under “Informational Agenda/Public Hearing”, after the publication of the packet.

**MOTION:** Denis Duman made a motion to approve the revised agenda. Tim Phillips seconded. All in favor, motion carried.

◆ **Approval of the April 25, 2013 Board Meeting Minutes**

**MOTION:** Mark LaBolle made a motion to approve the minutes as presented. Al Frieze seconded. All in favor, motion carried.

◆ **Current Amendments to the 2008 Code**

If the 2014 National Electrical Code (NEC) is accepted at the 2014 legislative session, the code would be approved; however, the current amendments would remain the same. This includes the arc fault circuit interrupter amendment in the Idaho Code.

The only modification to Idaho rule 07.01.06.011 *Adoption and Incorporation by Reference of the National Electrical Code, 2008 Edition* would be to change the edition to 2014.

The public information officer read IDAPA 07.01.06.011.01(e) i and ii *Compliance with Article 210.12 Arc-Fault Circuit-Interrupter Protector*.

◆ **Labeling and Listing Proposal**

A handout with revisions to the language in IDAPA 07.01.10.011 *Certification and Approval of Electrical Products and Materials*, relative to what was contained in the packet, was distributed. The proposed changes and the definition of industrial machinery, as contained in the National Fire Protection Agency (NFPA) 79, were read. The original intent is to preclude someone from bringing forward an initiative to exempt industrial machinery from the labeling and listing requirement.

Chuck Mello, Underwriters Laboratory (UL) Field Evaluation Program Manager, stated the proposal presented has a blanket approval by the Nationally Recognized Testing Laboratories (NRTL) for listing of products; however, the Occupational Safety and Health Administration (OSHA) does not recognize all NRTL products. It was suggested incorporating into the proposal the contingencies OSHA has in its regulation, as well as recognizing NRTL products and standards.

To avoid possible conflicts of interest, it was suggested the language in the packet with regard to professional engineers be incorporated into the proposal distributed at the meeting.

**MOTION:** Mark LaBolle made a motion for the Board to approve the draft rule change once the language, “a professional engineer currently licensed to practice electrical engineering by the state of Idaho who is not involved in the design of the equipment being evaluated or the facility in which the equipment is to be installed.” has been added to the proposal. Denis Duman seconded. All in favor, motion carried.

◆ **Negotiated Rulemaking – Amendment and Adoption of the 2014 NEC**

Should the legislature approve the 2014 NEC, the current amendments including the AFCI amendment in the Idaho Code would remain the same until the Board decides to change them.

A collaborative committee comprised of industry, manufacturers, and code officials was created to review changes in the 2014 NEC. Following are suggested changes to the code:

- A. NEC 680.26 -- Pools – The language in the 2011 and 2014 NEC has been rectified. Recommendation: Remove IDAPA 07.01.06.011.01f *Compliance with Article 680.26 Bonding* in its entirety; reverting to the 2014 NEC.
- B. NEC 210.8(A)(7) -- GFCI, Sinks – The new code requires appliances below or in kitchen cabinets be ground fault circuit interrupter (GFCI) protected. Adding extra GFCI's to receptacles within six feet of a kitchen sink does not increase safety beyond the requirements currently in place. Recommendation: Add “other than kitchens” to the language.
- C. NEC 210.8(A)(10) -- GFCI, Laundry Areas – The new code requires all outlets in the laundry area be GFCI protected. Adding extra GFCI's to the laundry area would not increase the safety beyond the requirement of protection within six feet of sink. Recommendation: Remove in its entirety.
- D. NEC 210.8(D) -- GFCI, Kitchen Dishwasher Branch Circuit – The new code requires dishwashers be GFCI protected. This change was introduced by the manufacturers. The collaborative did not see a need for this change. Recommendation: Remove in its entirety.
- E. NEC 210.5(E)(3) -- Outdoor Outlets – For clarification to the size of balconies, decks and porches, the collaborative suggested adding back in the 20 square foot requirement. Recommendation: Add “having an overall area of 20 square feet or more” to the language.

Mike Stone, National Electrical Manufacturers Association (NEMA), stated NEMA supports the direction of the Board to move forward with the adoption of the 2014 NEC; however, opposes any amendments that exclude safety requirements. NEMA also objects to the background statements in the packet on items B through E that adding extra GFCI protection would not increase safety beyond the requirements currently in place and believes the additional costs are justified.

Tim McClintock, NFPA, urged the Board to move forward with the adoption of the 2014 NEC. NFPA's position is that the codes and standards produced, as a result of the American National Standards Institute's accredited code development process, should be adopted without amending the technical requirements.

Allen Lusk, Boise Basin Electric, expressed concern about the requirement for additional arc faults in homes and the increase in cost to build them. Mr. Lusk suggested the Board stay with the 2008 NEC; limiting arc faults to bedrooms only.

**MOTION:** Dale Pippitt made a motion to recommend to the legislature the Board approves the 2014 NEC with additions to the Idaho Code amendments as listed in items A through E (pools; GFCI's for sinks, laundry areas, and kitchen dishwasher branch circuit; and outdoor outlets). Tim Phillips seconded. All in favor, motion carried.

The chairman agreed AFCIs and GFCIs are reliable and cost-effective technologies that save lives; however, does not believe there is a way to prove they save lives.

In 2011, the Board went on record as being in favor of all NEC requirements for AFCI. As of today, the Board continues to uphold its decision.

F. NEC 394 -- Concealed Knob and Tube Wiring – This proposal has been brought before the Board several times. Rod Burk, Utility/Special Projects Coordinator for the Idaho Technical Advisory Committee/Weatherization Assistance Program, stated the intent of the amendment is to allow older dwellings with existing knob and tube wiring to have insulation installed over and around the wiring for energy efficiency.

The collaborative reviewed the draft on knob and tube wiring; however, did not take a position on it.

It was suggested the topic be addressed with NFPA for possible change in the NEC.

The Board desired to take no action on the proposed amendment.

Board Member LaBolle would like to see a study on how essential heat dissipation is to knob and tube wiring. Jeff Fitzloff, UL, offered to provide a presentation on aged wiring with instances on testing of knob and tube and breakdown of insulation over time. The Board requested the PowerPoint be provided in electronic format.

**ACTION:** Jeff Fitzloff will seek authorization to release a PowerPoint presentation on aged wiring electronically to the Board for review.

◆ **Scheduling Online Inspections**

A handout was provided with instructions on how to schedule inspections through the Division's online and voice-activated systems. Both allow an individual to choose a date; beginning with the next business day, up to seven business days.

◆ **Program Manager Report**

Electrical Issues – A responsibility of the electrical program manager is to manage calls/e-mails on Division policies/procedures and Idaho statutes/rules. An example was provided of a recent email inquiring about the apprenticeship program and placement exams.

Improper Installations – A PowerPoint on improper installations was presented.

◆ **Operational Report**

Meetings – In August, Rob Foster will attend the National Electrical Reciprocal Alliance meeting in Oklahoma City, Oklahoma.

Steve Keys has been invited by NFPA to attend its code adoption process meeting. The meeting will be held the end of August 2013 in Boston, Massachusetts.

◆ **Administrator Report**

Financial Report – The Electrical Board Fund, FY 2013 financial statement as of May 31, 2013, was reviewed.

Vehicles – New vehicles have been purchased; replacing one-third of the Division’s fleet.

Meridian Program – Statistical information, first six months of 2013, was provided on electrical inspections and permit fees for the city of Meridian.

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

Artwork – Artist renderings of major projects currently being built in Idaho will be displayed in the Meridian office.

Changes in the Workforce – The Administrator presented a PowerPoint titled *Changes in the Workforce*. The presentation consisted of charts comparing the average number of individuals working in residential/commercial construction, as registered with the Idaho Department of Labor (2007-2012); DBS budget-personnel reduction (2007-2012); and expenditures to appropriations (2005-2012).

JFAC – For FY 2014, the Division’s appropriations have been reduced by \$500,000 and manpower decreased by ten (10) FTE for a total authorized strength of 121.

Testing – The database for licensing exams has been completed; however, questions are still being reviewed by outside parties. It is estimated the program will be available by the end of this year, 2013, or the first of next year, 2014.

◆ **Adjournment**

MOTION: Mark LaBolle made a motion to adjourn the meeting. Tim Phillips seconded. All in favor, motion carried.

The meeting adjourned at 12:10 p.m. (MT).

\_\_\_\_\_  
BOB SCOTT, CHAIRMAN  
IDAHO ELECTRICAL 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 Electrical Board 08/27/2013rb

# IDAHO ELECTRICAL BOARD

**Agenda Item No. 03a**

**John Johnson – NOV ELE1305-0058**

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**PRESENTER:** Rob Foster, Electrical Program Manager

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**OBJECTIVE:** Administer a ruling on John Johnson’s appeal – NOV ELE1305-0058

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**ACTION:** Affirm, reject, decrease or increase the imposed penalties

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**BACKGROUND:** The Notice of Violation (NOV) was issued based upon a proposed violation to IDAPA 07.01.11.011.03 “License or Registration”.

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**PROCEDURAL  
HISTORY:**

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**ATTACHMENTS:** Documentation from John Johnson and the Division of Building Safety

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# IDAHO ELECTRICAL BOARD

## Agenda Item No. 04

## Schedule 2014 Meetings

**PRESENTER:** Bob Scott, Chairman

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**OBJECTIVE:** Schedule 2014 meeting dates.

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

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**BACKGROUND:** The following 2014 dates were selected for the Board's consideration:

January 23rd, April 24th, July 24th, and October 23rd. These dates are the fourth Thursday of the month.

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**PROCEDURAL  
HISTORY:**

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**ATTACHMENTS:** 2014 Board Meeting Calendar

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# 2014

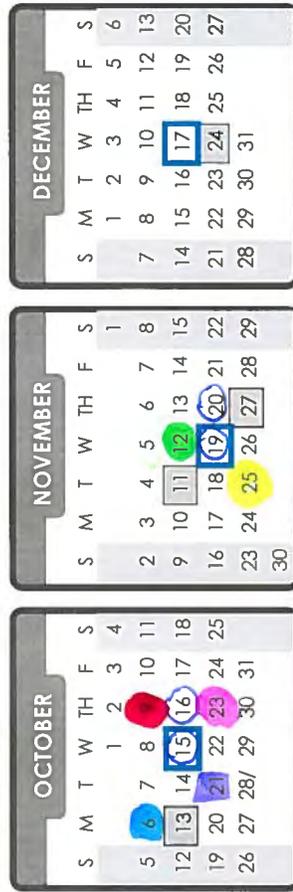
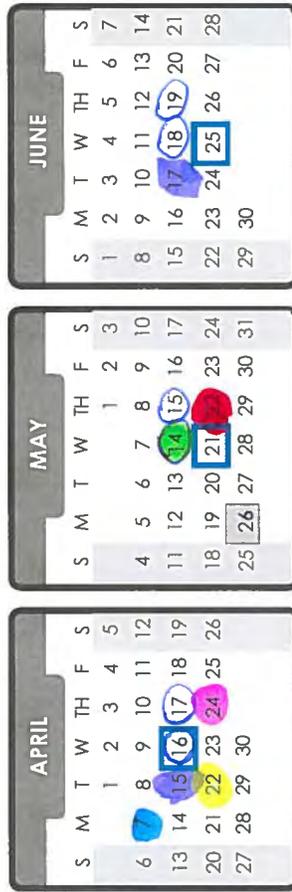
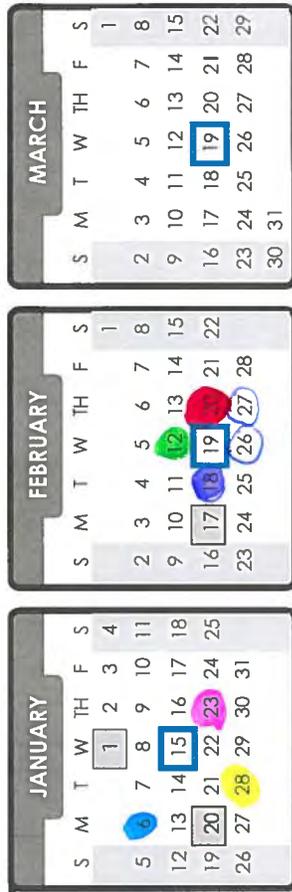
## DBS BOARD MEETINGS - 2014

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
---	--	---

Idaho Building Code Board meetings begin at 9:30 am (mt)	FEB 18 APR 15 JUN 17 OCT 21	Third Tues. of Month
Idaho Electrical Board meetings begin at 9:30 am (mt)	JAN 23 APR 27 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 ELECTRICAL 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 ELECTRICAL BOARD

## Agenda Item No. 06

## Journeyman to Apprentice Ratio

**PRESENTER:** Rob Foster, Electrical Program Manager

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**OBJECTIVE:** Inform the Board of the current interpretation on the ratio as stated in code.

---

**ACTION:** Informational

---

**BACKGROUND:** At the July 2013 Board meeting, it was addressed an out-of-state company is using employees from an Idaho-based electrical company and is not in compliance with the law as it pertains to journeyman-to-apprentice ratio.

A similar situation was brought before the Board a couple of years ago. It was determined even though the individuals are technically employed by another company, they are essentially considered employees of the out-of-state company and that company is responsible for their supervision, integration into the ratios, etc.

The chairman asked this topic be placed on the October 2013 agenda. DBS will review the history of the ratio; coming to the October meeting with a current interpretation for the Board.

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## **PROCEDURAL HISTORY:**

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**ATTACHMENTS:** No documentation

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# IDAHO ELECTRICAL BOARD

## Agenda Item No. 07

## Apprentice/Journeyman Exam

**PRESENTER:** Rob Foster, Electrical Program Manager

---

**OBJECTIVE:** Provide an initial summary of student performance on the journeyman exam.

---

**ACTION:** Informational

---

**BACKGROUND:** At the April 2013 meeting, Tom Brown, B & B Electric, inquired whether statistics are being gathered with regard to graduates and the journeyman exam, and which entity is administering the test.

An update on the progress of the agency's testing program was provided. It is estimated the Division will begin administering the electrical journeyman exam around June or July 2013.

For the October 2013 meeting, the Division will provide a report of student performance on the journeyman exam and the graduating school of the apprentice.

---

## **PROCEDURAL HISTORY:**

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**ATTACHMENTS:** No documentation

---



# IDAHO ELECTRICAL BOARD

**Agenda Item No. 08**

**Program Manager Report**

**PRESENTER:** Rob Foster, Electrical Program Manager

---

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

---

**ACTION:** Informational

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

---

**PROCEDURAL  
HISTORY:**

---

**ATTACHMENTS:** No documentation

---



# IDAHO ELECTRICAL BOARD

**Agenda Item No. 09**

**Operational Report**

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

---

**OBJECTIVE:** Update Board on the operations of the Electrical program and division.

---

**ACTION:** Informational

---

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

---

**PROCEDURAL  
HISTORY:**

---

**ATTACHMENTS:** No documentation

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# IDAHO ELECTRICAL BOARD

## Agenda Item No. 10a

## Financial Report

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

---

**OBJECTIVE:** Review the Idaho Electrical Board's financial report

---

**ACTION:** Informational

---

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

---

### **PROCEDURAL HISTORY:**

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**ATTACHMENTS:** Financial Report

---





**Division of Building Safety**  
 ELECTRICAL BOARD FUND 0229-01  
 Fiscal Year 2013 Financial Statements  
 As of 6/30/2013

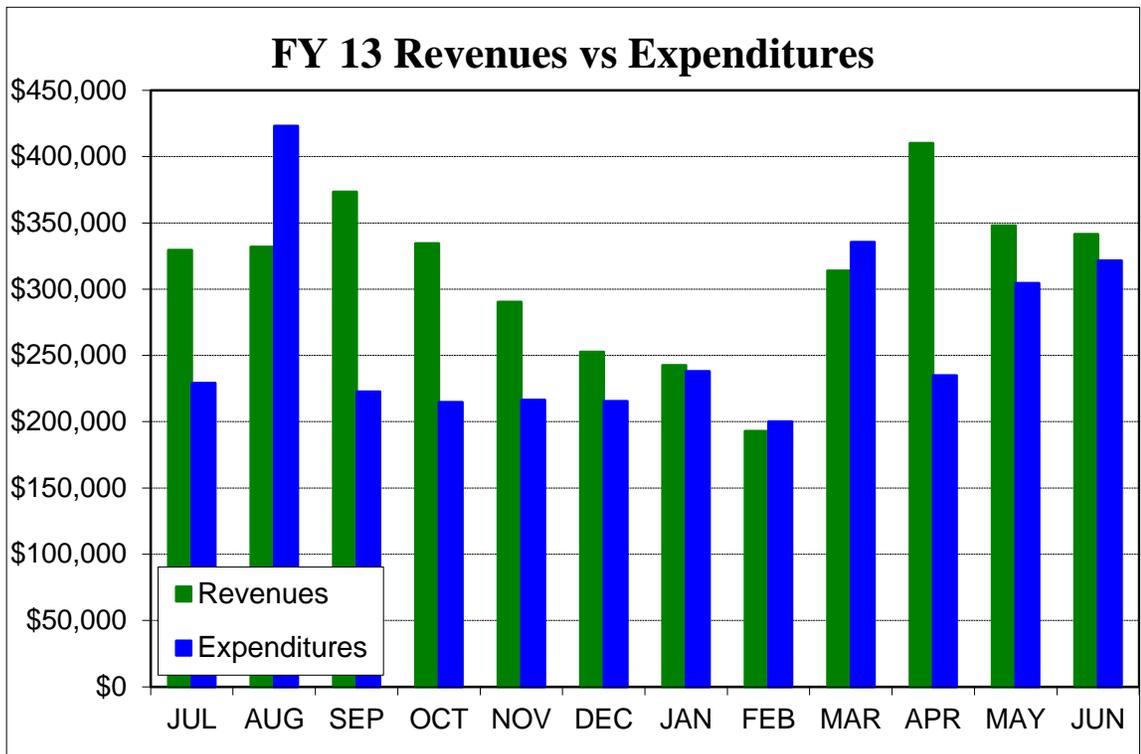
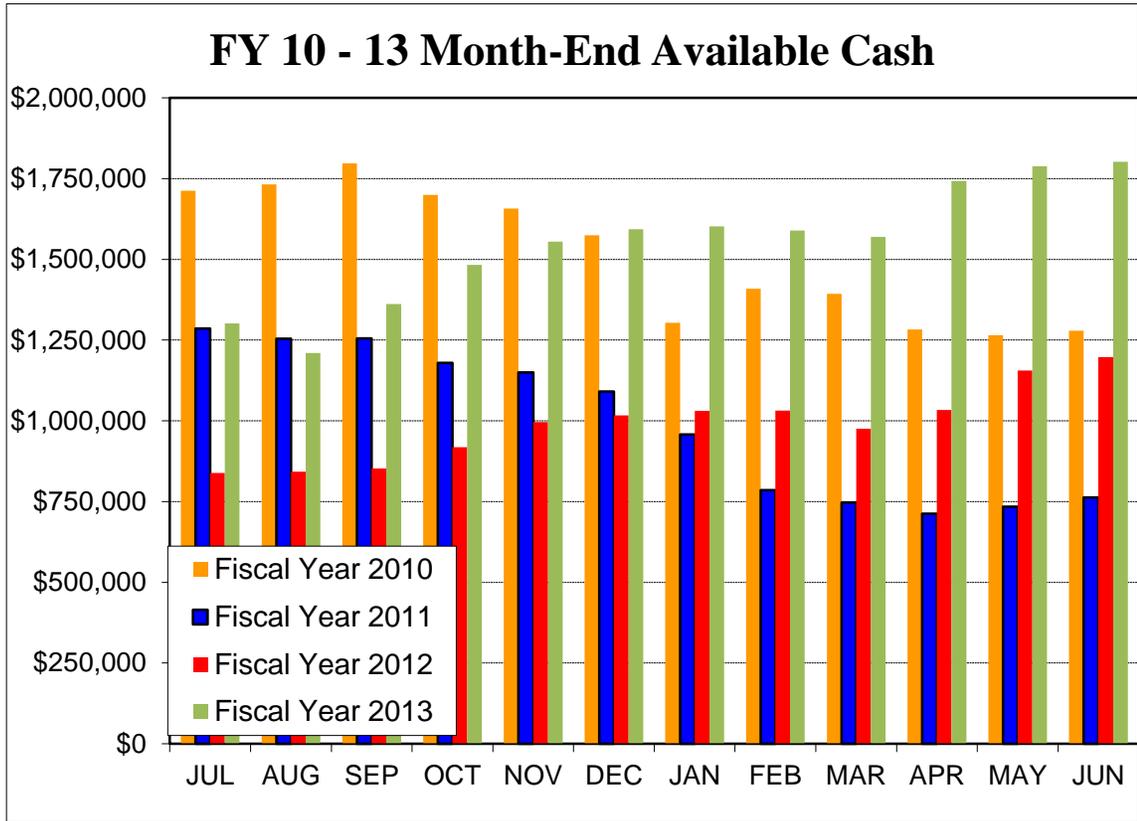
Statement of Revenues and Expenditures

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:	3,097,000	3,761,700	121.5%	(664,700)	-	3,761,700	121.5%
Expenditures							
Personnel:	2,041,000	2,225,811	109.1%	(184,811)	-	2,225,811	109.1%
Operating:	598,000	624,710	104.5%	(26,710)	-	624,710	104.5%
Capital:	163,000	305,798	187.6%	(142,798)	-	305,798	187.6%
Total Expenditures	2,802,000	3,156,319	112.6%	(354,319)	-	3,156,319	112.6%
Net for FY 2013	295,000	605,382			-	605,382	

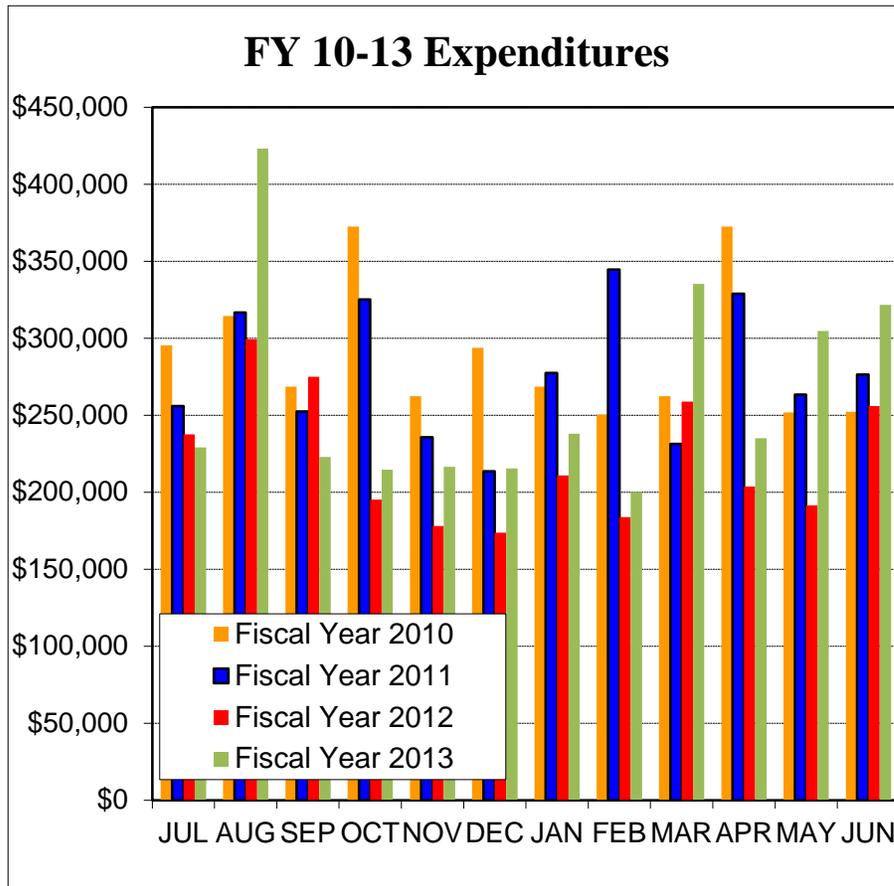
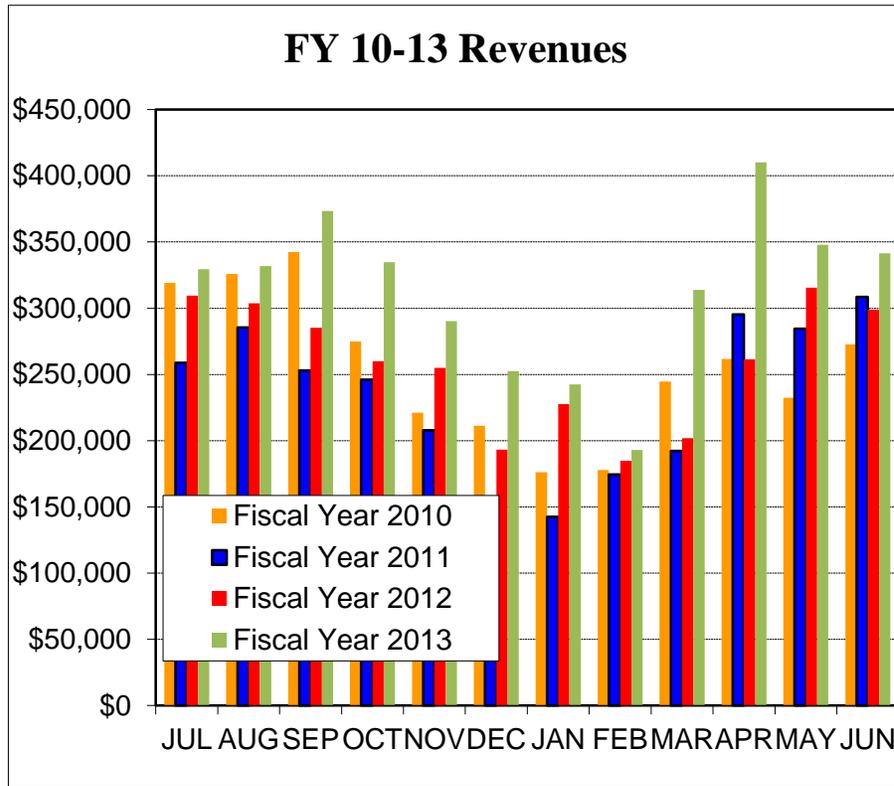
Statement of Cash Balance

July 1, 2012 Beginning Cash Available	Fiscal Year to Date Revenues	Fiscal Year to Date Expenditures and Encumbrances	Other Changes in Cash	Available Cash as of June 30, 2013	Projected Change in Cash for Remainder of Year	Projected Year End Available Cash
1,196,822	3,761,700	(3,156,319)	22	1,802,226	-	1,802,226

# ELECTRICAL BOARD FUND 0229-01



# ELECTRICAL BOARD FUND 0229-01





**Division of Building Safety**  
 ELECTRICAL BOARD FUND 0229-01  
 Fiscal Year 2014 Financial Statements  
 As of 9/30/2013

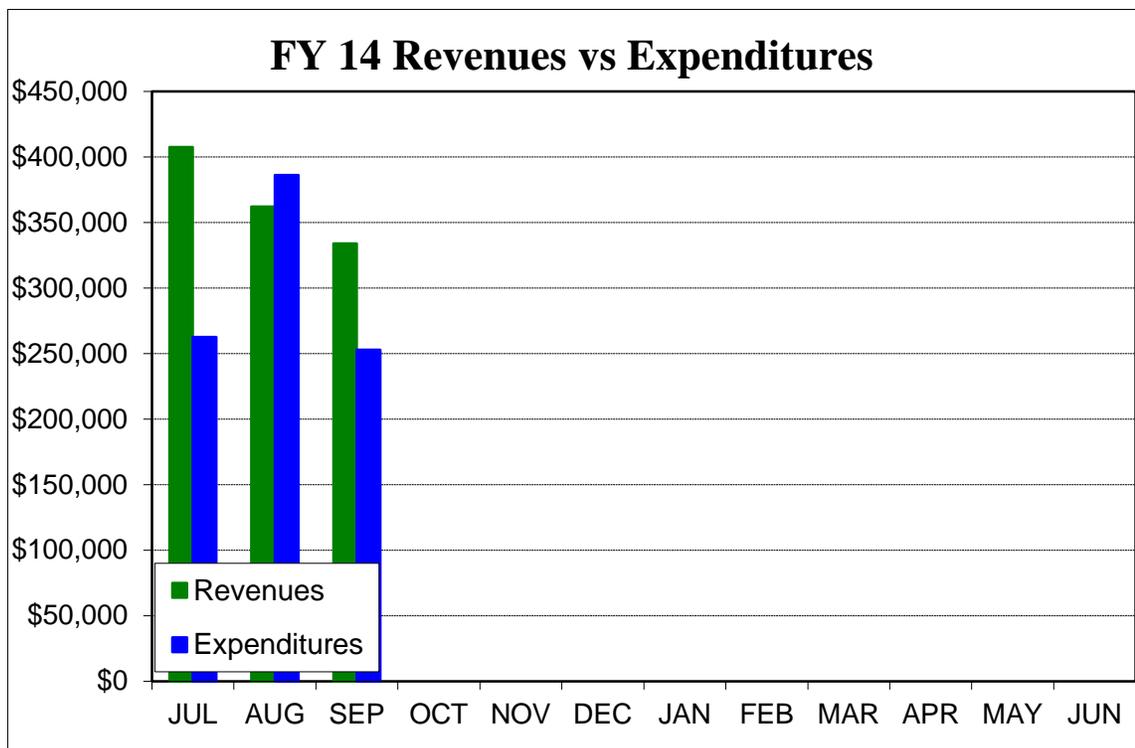
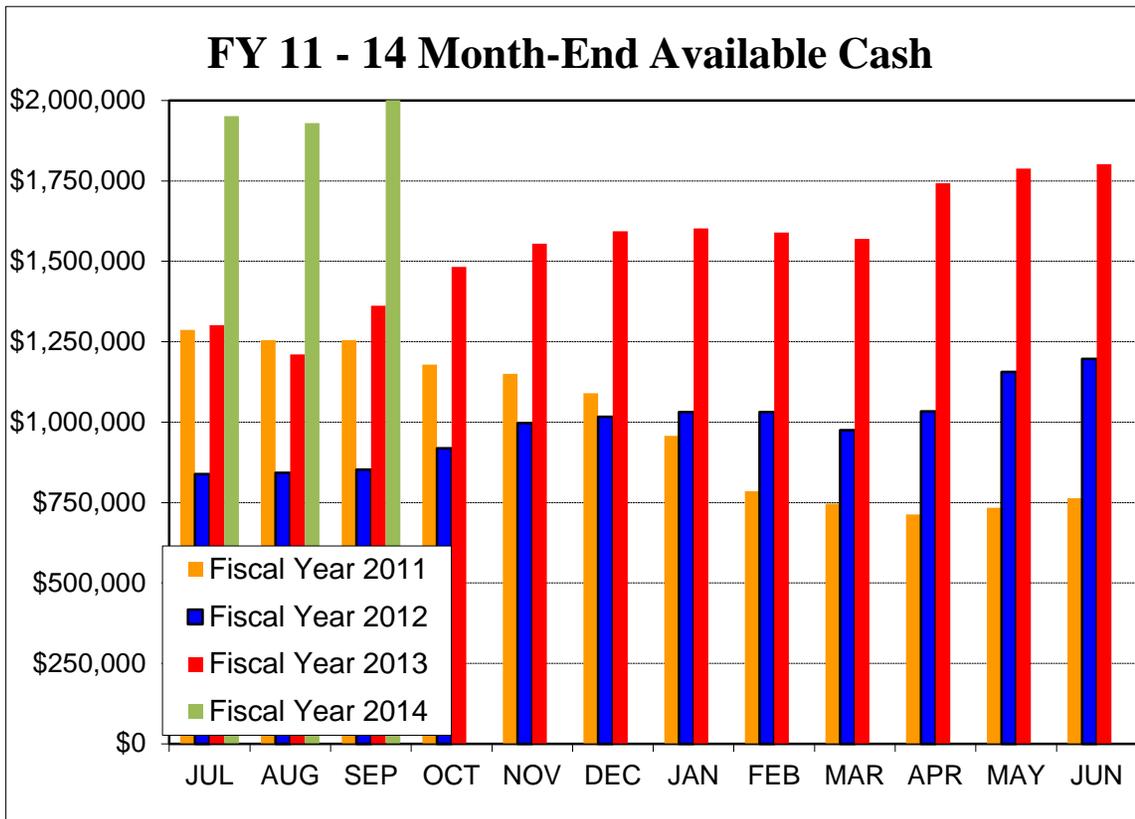
Statement of Revenues and Expenditures

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:	3,762,000	1,103,593	29.3%	2,658,407	2,759,488	3,863,081	102.7%
Expenditures							
Personnel:	2,614,000	676,994	25.9%	1,937,006	1,837,554	2,514,548	96.2%
Operating:	695,000	218,352	31.4%	476,648	473,672	692,024	99.6%
Capital:	100,000	6,168	6.2%	93,832	93,832	100,000	100.0%
Total Expenditures	3,409,000	901,514	26.4%	2,507,486	2,405,058	3,306,572	97.0%
Net for FY 2014	353,000	202,079			354,430	556,509	

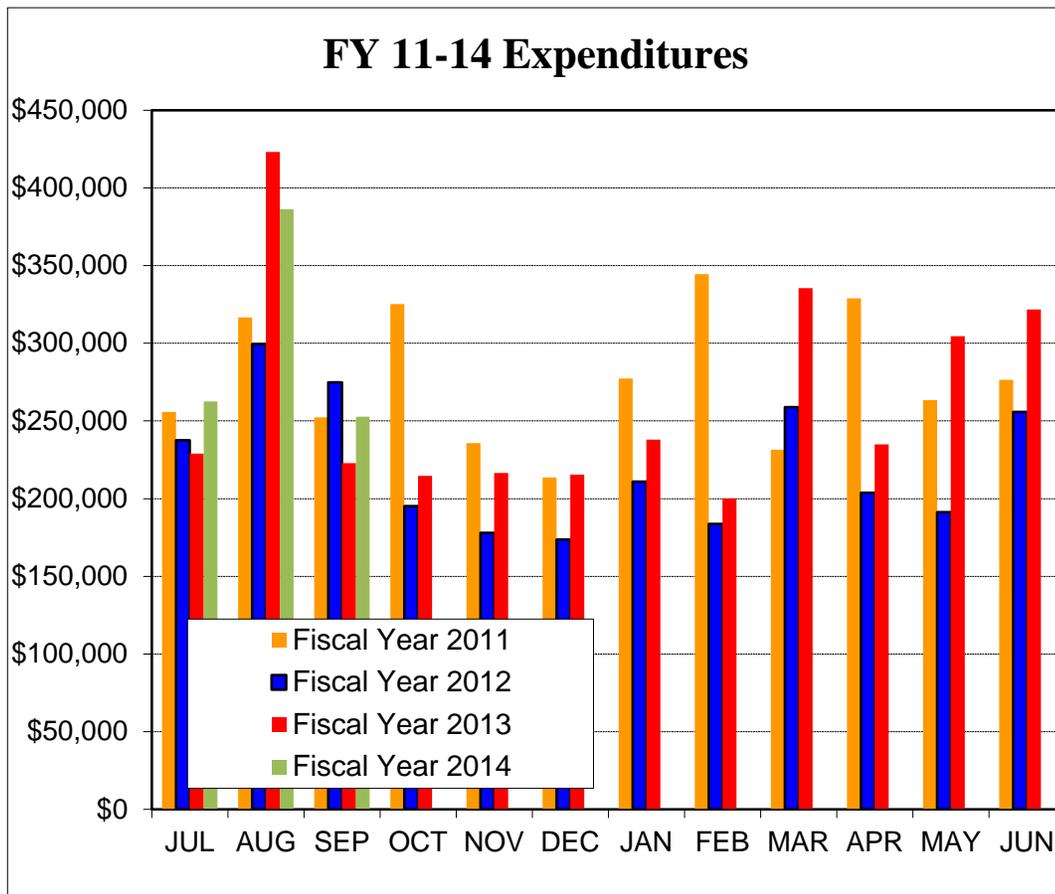
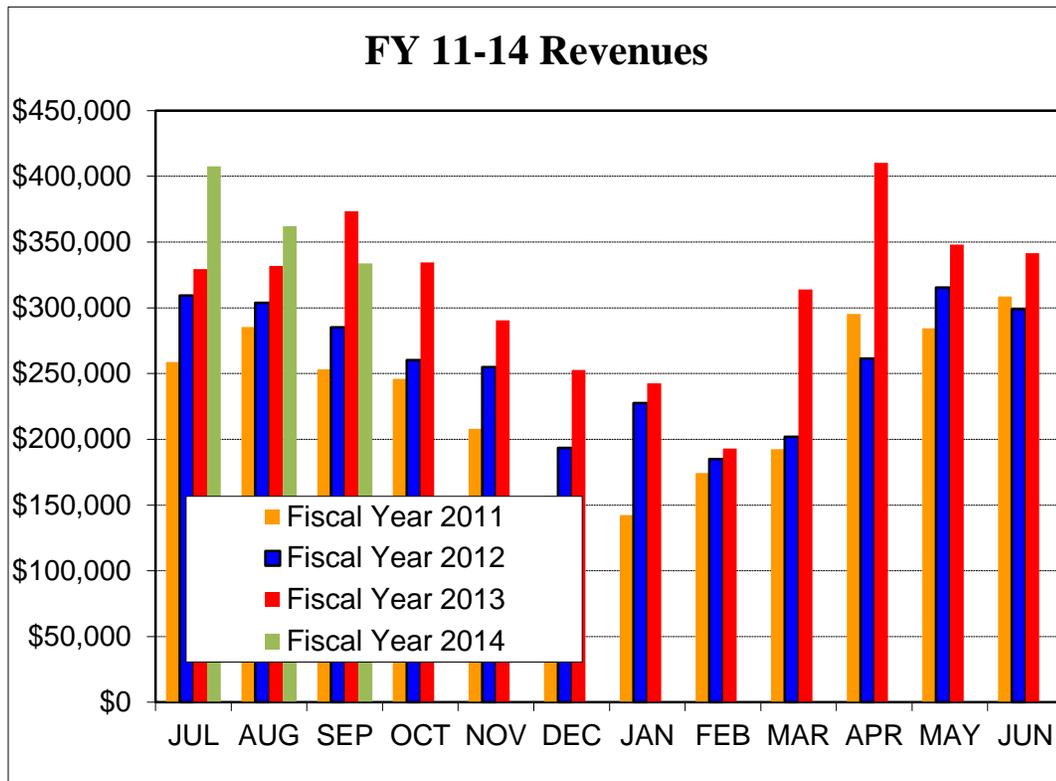
Statement of Cash Balance

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 September 30, 2013	Projected Change in Cash for Remainder of Year	Projected Year End Available Cash
1,802,226	1,103,593	(901,514)	5,790	2,010,095	354,430	2,364,525

# ELECTRICAL BOARD FUND 0229-01



# ELECTRICAL BOARD FUND 0229-01



# IDAHO ELECTRICAL BOARD

**Agenda Item No. 10b**

**Administrator**

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

---

**OBJECTIVE:** Provide 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 Electrical Board meetings.

---

**PROCEDURAL  
HISTORY:**

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**ATTACHMENTS:** No documentation

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