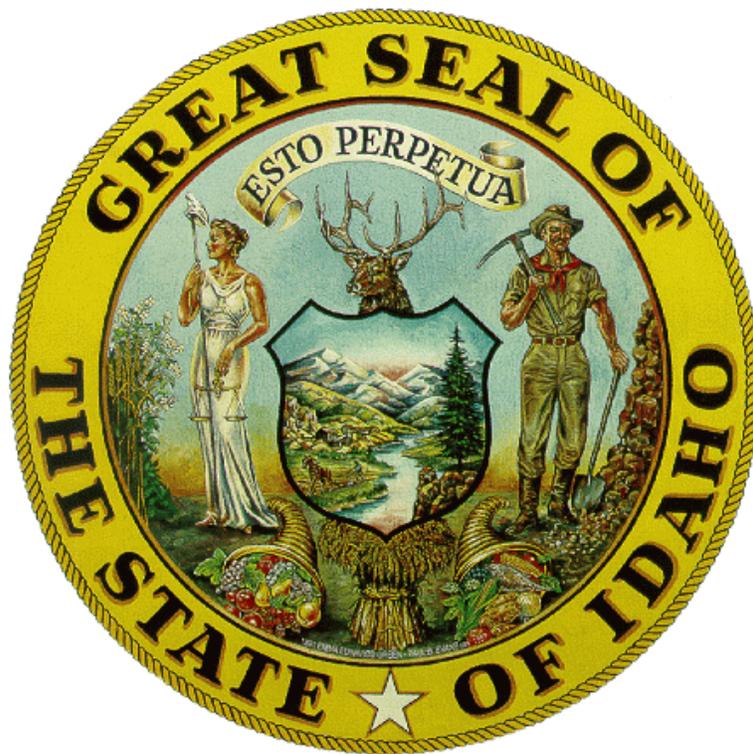


DIVISION OF BUILDING SAFETY

IDAHO PLUMBING BOARD  
VIDEOCONFERENCE MEETING

JULY 21, 2011



# IDAHO PLUMBING BOARD

## Agenda Item No. 01

## Agenda

**PRESENTER:** Chairman Milford Terrell

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**OBJECTIVE:** Approve the agenda for the July 21, 2011 Idaho Plumbing Board Videoconference meeting

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**ACTION:** Consent

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**BACKGROUND:**

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**PROCEDURAL  
HISTORY:**

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**ATTACHMENTS:** July 21, 2011 Idaho Plumbing Board meeting tentative Agenda

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**TENTATIVE AGENDA**

**NOTICE OF PUBLIC MEETING**

**IDAHO PLUMBING 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 2, Suite 7, Pocatello, Idaho  
dbs.idaho.gov – (208) 332-7137**

***Thursday, July 21, 2011  
9:30 a.m. – 3:30 p.m. (MT)***

*(Note: Meeting Commences at 8:30 a.m. PT)*

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- 9:30 a.m. CALL TO ORDER** – Milford Terrell, Chairman
- Roll Call & Introductions
  - Open Forum

**CONSENT AGENDA**

1. Approval of the July 21, 2011 Agenda
2. Approval of the May 12, 2011 Board Meeting Minutes

**ACTION AGENDA**

3. Testing Upon Completion of Apprenticeship Schooling – John Nielsen
- 4a. Out-of-State Journeyman or Master Plumber Registration – John Nielsen
- 4b. Failure to Disclose – John Nielsen
5. Reclaim Water Systems – John Nielsen

**INFORMATIONAL AGENDA**

6. AQUUS – Dan Long
7. International Green Construction Code's (IGCC) *Water Efficiency Provisions* – Shawn Martin, Director of ICC Industry Relations
8. Schooling Update – Irene Vogel
9. Pre-Apprenticeship Program – Ed Howland
10. Plumbing Apprenticeship Curriculum Review – Ed Howland

11. Commercial Plumbing – Idaho Code § 54-2602 – John Nielsen

**12:00 p.m. - LUNCH BREAK** *(If needed)*

**1:00 p.m.**

12. Plumbing Program Manager Report – John Nielsen

13. Operational Report – Steve Keys

14. Administrator Report

a. Financial Report – C. Kelly Pearce and Kirk Weiskircher

b. Administrator – C. Kelly Pearce

**OLD/NEW BUSINESS**

**EXECUTIVE SESSION** (If required)

**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. 07/06/11r*

# IDAHO PLUMBING BOARD

**Agenda Item No. 02**

**Minutes**

**PRESENTER:** Chairman Milford Terrell

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**OBJECTIVE:** Approve the minutes from the May 12, 2011 Idaho Plumbing Board Videoconference meeting

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**ACTION:** Consent

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**BACKGROUND:**

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**PROCEDURAL HISTORY:**

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**ATTACHMENTS:** Documentation to follow

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# IDAHO PLUMBING BOARD

## Agenda Item No. 03    Testing Upon Completion of Apprenticeship Schooling

**PRESENTER:**        John Nielsen

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**OBJECTIVE:**        To allow an apprentice to take the written portion of the journeyman exam upon completion of the required four (4) years of schooling without the required 8,000 hours to apply for a journeyman license.

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**ACTION:**            Vote to accept, reject or modify the proposed rule change

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**BACKGROUND:**    At the May 12, 2011 Board meeting, Gordon Smythe suggested the Board consider amending the rule to allow apprentices to test upon completion of school. The Board requested the Division write-up a proposed rule.

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**PROCEDURAL  
HISTORY:**

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**ATTACHMENTS:**  IDAPA 07.02.05 “Rules Governing Plumbing Safety Licensing”

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**IDAPA 07**  
**TITLE 02**  
**CHAPTER 05**

**07.02.05 - RULES GOVERNING PLUMBING SAFETY LICENSING**

**000. LEGAL AUTHORITY.**

In accordance with Section 54-2605(1), Idaho Code, the Idaho Plumbing Board shall make, promulgate, and publish such rules as may be necessary for carrying out the provisions of this act in order to effectuate the purposes thereof and for the orderly and efficient administration thereof, and except as may be limited or prohibited by law and the provisions of this act, such rules so made and promulgated shall have the force of statute. (2-26-93)

**001. TITLE AND SCOPE.**

These rules shall be cited as IDAPA 07.02.05, "Rules Governing Plumbing Safety Licensing," Division of Building Safety. These rules prescribe the criteria for the issuance of licensing for plumbing installations. (2-26-93)

**002. WRITTEN INTERPRETATIONS.**

This agency has written interpretations of this chapter in the form of legal memoranda. (2-26-93)

**003. ADMINISTRATIVE APPEALS.**

IDAPA 04.11.01, "Idaho Rules of Administrative Procedure of the Attorney General," govern license revocation/ suspension proceedings. (2-26-93)

**004. -- 010. (RESERVED).**

~~**011. APPRENTICE REGISTRATION.**~~

~~The minimum age for any apprentice shall be sixteen (16) years. All apprentices shall be registered with the Division and shall pay the registration fee as prescribed by Section 54-2614, Idaho Code. No examination is required. An individual must be working at the trade under the constant on the job supervision of a journeyman and in the employ of a contractor. Any apprentice who desires to sit for the journeyman exam must complete an Idaho Plumbing Board approved related course of instruction for four (4) years, and work for a total of four (4) years, defined as a minimum of eight thousand (8,000) hours work experience prior to the date of the exam. Unless prior approval has been granted by the Plumbing Bureau, the apprentice must complete the required course work sequentially: year one (1) must be completed prior to beginning year two (2); year two (2) must be completed prior to beginning year three (3); and year three (3) must be completed prior to beginning year four (4). A minimum of one hundred forty four (144) hours of classroom or other Idaho Plumbing Board approved instruction time per school year is required. A grade average of seventy percent (70%) must be maintained in these courses. Upon completion of apprenticeship training, the apprentice must obtain a certificate of completion, or a letter signed by the chairman of his apprenticeship committee, and attach the certificate or letter to his application for a journeyman license. In order to maintain registration, the apprentice shall renew his registration in accordance with Sections 54-2614 and 54-2614A, Idaho Code. (3-29-10)~~

**011. APPRENTICE REGISTRATION.**

A person wishing to become a plumbing apprentice shall register with the Division of Building Safety prior to going to work. All apprentices shall pay the registration fee as prescribed by Section 54-2614, Idaho Code. The minimum age for any apprentice shall be sixteen (16) years. No examination is required for such registration. In order to maintain registration, the apprentice shall renew his registration in accordance with Sections 54-2614 and 54-2614A, Idaho Code. (X-X-12)

**01. Work Requirements.** A plumbing apprentice must work at the trade under the constant on-the-job supervision of a journeyman and in the employ of a contractor for a total of four (4) years, defined as a

minimum of eight thousand (8,000) hours work experience in order to be eligible for a journeyman certificate of competency. (X-X-12)

**02. Schooling Requirements.** A plumbing apprentice must complete an Idaho Plumbing Board approved related course of instruction for four (4) years in order to be eligible for a journeyman certificate of competency. Unless prior approval has been granted by the Division of Building Safety, the apprentice must complete the required course work sequentially: year one (1) must be completed prior to beginning year two (2); year two (2) must be completed prior to beginning year three (3); and year three (3) must be completed prior to beginning year four (4). A minimum of one hundred forty-four (144) hours of classroom or other Idaho Plumbing Board-approved instruction time per school year is required. A grade average of seventy percent (70%) must be attained in these courses. Upon completion of apprenticeship schooling, the apprentice must obtain a certificate of completion, or a letter signed by the chairman of his apprenticeship committee, and attach the certificate or letter to his application for a journeyman license. (X-X-12)

**03. Journeyman Examination.**

**a.** Any plumbing apprentice who desires to take the written portion of the journeyman examination must complete an Idaho Plumbing Board approved related course of instruction for four (4) years as described in Section 011.b of these rules prior to the date of the exam. There is no minimum work requirement in order to be eligible to take the written portion of the plumbing journeyman examination. A certificate of completion must be provided along with application for examination.

**b.** Successful completion of the journeyman written examination does not eliminate the requirement to complete four (4) years of work experience, defined as eight thousand (8,000) hours, under the constant on-the-job supervision of a journeyman plumber or the practical portion of the examination in order to be issued a journeyman license. Successful completion of the Idaho state journeyman written examination notwithstanding, no journeyman license shall be issued until an apprentice successfully completes the practical portion for the examination and furnishes to the Division proof of satisfaction of the work requirements contained in Section 011.a of these rules. Satisfaction of the work requirements contained in Section 011.a of these rules is required before any individual is eligible to take the practical portion of the journeyman examination. (X-X-12)

**012. JOURNEYMAN.**

**01. Qualifications for Journeyman Plumber.** An applicant for a journeyman plumber's ~~license~~ certificate of competency must have at least four (4) years experience as an apprentice making plumbing installations under the constant on-the-job supervision of a qualified journeyman plumber, as provided by Section 54-2611, Idaho Code. Pipe fitting will not be accepted as qualifications for a journeyman plumber's license. The first step in obtaining a journeyman certificate of competency is to submit an application for examination and license. ~~[The application must be accompanied by proof the applicant has completed the minimum of four (4) years experience in the trade as provided in Section 011 of these rules.]~~ Exhibition of a current license or photostatic copy of it from another jurisdiction may be accepted as proof of experience. The examination fee shall be as prescribed by Section 54-2614, Idaho Code, and must accompany the application. (4-7-11)

**02. Examination.** The journeyman examination grade is based on answers to written questions and practical work performed on plumbing installations as determined by the Division after successful completion of the written work. Time allowed for the written examination is four (4) hours. A passing grade is required on the written examination. The practical portion of the exam may be performed on a job in-progress or in a laboratory setting and shall consist of work performed in either a residential or commercial application. The practical portion of the exam must pass with no violations. (4-7-11)

**[OMITTED TEXT]**

**015. EXAMINATIONS.**

**01. Examinations for Journeyman Plumber.** Written examinations for any journeyman plumber's license shall be formulated and approved by the Idaho Plumbing Board. Examination questions shall be based on the practical application of the Uniform Plumbing Code. No license certificate of competency shall be issued unless the applicant receives a final grade of seventy-five percent (75%) or higher on the written examination and passes the practical portion with no violations, as well as completes the work requirements described in Section 011.a of these rules. An applicant receiving a grade of less than seventy-five percent (75%) may apply for reexamination upon payment of the examination fee. An applicant has six (6) months to achieve a passing score. If an applicant does not achieve a passing score in six (6) months, the applicant must enroll in year four (4) in a, Idaho Plumbing Board-approved related training course, complete year four (4), be registered with the Plumbing Bureau Division as an apprentice, and maintain registration as per Section 011 of these rules before the applicant will be eligible to apply for examination. A completion certificate for year four (4) and the proper application fee must accompany a new application for a journeyman examination. (3-15-02)

**02. Frequency of Conducting of Examinations.** Examinations for all classifications under the Plumbing Laws and rules will be given a minimum of four (4) times each year in three (3) locations: One (1) to be in northern Idaho, one (1) to be in central Idaho, and one (1) to be in southern Idaho. (8-25-88)

**03. Professional Testing Services.** In lieu of the administration by the Idaho Plumbing Board of the examination for licenses pursuant to this rule, the Idaho Plumbing Board may contract with a professional testing service to administer the examination, and require license applicants to pay to the testing service the fee that they have set for the examination and to take such examination at the time set by such service. If the examination is conducted in this fashion, the Idaho Plumbing Board may charge and retain the application fee provided for by Section 54-2616, Idaho Code, to cover the cost of reviewing the applicant's application. (8-25-88)

**016. CERTIFICATES OF COMPETENCY -- ISSUANCE, RENEWAL, EXPIRATION, REVIVAL -- FEES.**

**01. Issuance.** Certificates of competency shall be issued in such a manner as to create a renewal date that coincides with the birthdate of the individual to whom the certificate is issued and allows for renewals every three (3) years. (4-6-05)

**a.** Certificates of competency shall be issued for a period of no less than one (1) year and no more than three (3) years. For example: a qualified applicant who applies for a certificate of competency in August of year one (1) but whose birthday will not occur until March of year two (2) shall be issued a certificate of competency renewable on the anniversary of the applicant's birthdate. (4-6-05)

**b.** The fee for issuance of certificates of competency shall be prorated based on the number of months for which it is issued. (4-6-05)

**02. Renewal.** Certificates of competency shall be renewed in such a manner as will achieve a staggered system of certificate renewal using the birthdate of the individual to whom the certificate is issued as the expiration date. (4-6-05)

**a.** Certificates of competency shall be renewed for a period of no less than one (1) year and no more than three (3) years. (4-6-05)

**b.** The fee for renewal of certificates of competency shall be prorated based on the number of months for which it is issued. (4-6-05)

c. Continuing Education. The Idaho Plumbing Board will establish criteria for approval of instruction and instructors and courses and instructors will be approved by the [Plumbing Bureau Division of Building Safety](#). Proof of completion of the following continuing education requirements must be submitted to the [Plumbing Bureau Division](#) prior to, or with the application for, licensure renewal by any licensee in order to renew a journeyman or contractors plumbing license. (3-29-10)

i. Journeymen must complete eight (8) hours of continuing education for every three-year license cycle, or complete an exam administered by the Division. Of the required eight (8) hours, four (4) hours must be plumbing code update related and the other four (4) hours may be industry related training. (3-29-10)

ii. Contractors must complete sixteen (16) hours of continuing education for every three-year license cycle. Hours accrued obtaining journeyman education may be applied toward this requirement whenever applicable. (3-29-10)

**03. Expiration - Revival.** (4-6-05)

a. Certificates that are not timely renewed will expire. (4-6-05)

b. A certificate that has expired may be revived within twelve (12) months of its expiration by submitting a completed application and paying the same fee as for an initial certificate and meeting all other certification requirements. (4-6-05)

c. Revived certificates shall be issued in such a manner as to create a renewal date that coincides with the birthdate of the applicant to achieve a staggered system of renewal. (4-6-05)

**017. SPECIALTY PLUMBING LICENSES.**

The purpose of this section is to set out the special types of plumbing installations for which a specialty license is required; to set out the minimum experience requirements for such licenses; and to describe the procedure for securing such licenses. (8-25-88)

**01. Qualified Journeyman Plumbers.** Qualified journeyman plumbers as defined in Section 54- 2611(b), Idaho Code, shall be permitted to make installations as subsequently described herein without securing an additional license for said installation. (11-14-85)

**02. Minimum Experience Requirements.** (8-3-83)

a. Experience gained by an individual while engaged in the practice of mobile home hook-ups shall not be considered towards the satisfaction of the minimum experience requirements for licensing as a journeyman plumber. (8-3-83)

b. All installers shall be licensed and be in the employ of a licensed plumbing contractor or specialty contractor limited to this category. (8-3-83)

**03. Mobile Home Set-Up or Installers.** (8-25-88)

a. Any person qualifying for and having in his possession a current license in this category may make the proper connections of sewer and water to existing facilities on site. All material and workmanship shall comply with the requirements of the Uniform Plumbing Code. (8-3-83)

b. All installers shall be licensed and be in the employ of a licensed plumbing contractor or specialty contractor limited to this category. This specialty license does not permit any extension, alteration, or addition to the plumbing system within the mobile home or the installation of any underground plumbing outside the mobile home. (8-3-83)

**04. Applications for Specialty Licenses.** Applications for the above specialty licenses may be obtained from the [Plumbing Bureau](#), Idaho Division of Building Safety. The forms shall be returned with the examination fee provided by Section 54-2614, Idaho Code, with proof of the required two (2) years experience in the field of this specialty. (8-25-88)

**05. Examinations for Specialty Licenses.** Written examinations for specialty plumbing licenses shall be formulated from the practical application of the sections of the Uniform Plumbing Code as adopted by the Idaho Plumbing Board under Section 54-2601, Idaho Code. (11-14-85)

**06. Fees.** Fees for certificates shall be required in accordance with Section 54-2616, Idaho Code. (11-14-85)

**018. APPLIANCE PLUMBING SPECIALTY LICENSE.**

The purpose of this section is to set out the special types of plumbing installations for which an appliance plumbing specialty license is required; to set out the minimum experience requirements for such licenses; and to describe the procedure for securing such licenses. (7-1-99)

**01. Qualified Journeyman Plumbers.** Qualified journeyman plumbers as defined in Section 54- 2611(b), Idaho Code, shall be permitted to make installations as subsequently described herein without securing an additional license for said installation. (7-1-99)

**02. Qualified Apprentice Plumbers.** Qualified apprentice plumbers as defined in Section 54-2611(c), Idaho Code, shall be permitted to make installations as subsequently described herein without securing an additional license for said installation. (7-1-99)

**03. Minimum Experience Requirements.** (7-1-99)

**a.** Experience gained by an individual while engaged in the practice of appliance plumbing specialty shall not be considered towards the satisfaction of the minimum experience requirements for licensing as a journeyman plumber. (7-1-99)

**b.** All qualified appliance plumbing specialty journeymen shall be licensed and be in the employ of a licensed plumbing contractor or specialty contractor limited to this category. (7-1-99)

**c.** Appliance plumbing specialty contractors must have a two thousand dollar (\$2,000) surety bond, thirty (30) months minimum journeyman experience, and successful completion of appliance plumbing specialty contractor's test. (7-1-99)

**d.** Appliance plumbing specialty journeymen must have eighteen (18) months apprentice on-the-job experience, satisfactory completion of seventy-two (72) hours of Idaho Plumbing Board-approved, related training classes and successful completion of the appliance plumbing specialty journeyman's test. (7-1-99)

**e.** Appliance plumbing specialty apprentices must be employed by a licensed contractor, under the supervision of a journeyman, be enrolled in or have completed Idaho Plumbing Board-approved related training classes and maintain state registration. (7-1-99)

**04. Special Grandfathering Provision.** (7-1-99)

**a.** Contractor: In lieu of the thirty (30) months minimum journeyman experience requirement, an individual may use five (5) years experience of owning and operating a business where this specialty applies AND satisfactory completion of seventy-two (72) hours of Idaho Plumbing Board-approved related training classes. For this purpose, a business is defined as an activity in which tax returns were required to be and have been filed for at least five (5) years. (7-1-99)

**b.** Journeyman: In lieu of the eighteen (18) months apprentice on-the-job experience requirement, an individual may use five (5) years experience working for a business where this specialty applies. For this purpose, working for a business is defined as being issued a W-2 earning form from a related business or businesses for at least five (5) years. (7-1-99)

**05. Applications for Specialty Licenses.** Applications for the above specialty licenses may be obtained from the [Plumbing Bureau](#), Division of Building Safety. The forms shall be returned with the examination fee provided by Section 54-2614, Idaho Code, with proof of the required experience in the field of this specialty. (7-1-99)

**06. Examinations for Specialty Licenses.** Written examinations for specialty plumbing licenses shall be formulated from the practical application of the sections of the Uniform Plumbing Code as adopted by the Idaho Plumbing Board under Section 54-2601, Idaho Code. (7-1-99)

**07. Fees.** Fees for certificates shall be required in accordance with Section 54-2616, Idaho Code. (7-1-99)

**08. Scope of Work Permitted.** Permitted to disconnect, cap, remove, and reinstall within sixty (60) inches of original location: water heating appliance, water treating or filtering devices; air or space temperature modifying equipment which involves potable water; humidifier; temperature and pressure relief valves; condensate drains and indirect drains in one (1)-family and two (2)-family residences only. Does not include installation, testing, or certifying of backflow prevention devices. Does NOT include any modification to the drain, waste or vent systems. Must comply with all Idaho plumbing laws and rules and the requirements of the Uniform Plumbing Code. (7-1-99)

**019. WATER PUMP PLUMBING SPECIALTY LICENSE.**

The purpose of this section is to set out the special types of plumbing installations for which a water pump plumbing specialty license is required; to set out the minimum experience requirements for such licenses; and to describe the procedure for securing such licenses. (7-1-99)

**01. Qualified Journeyman Plumbers.** Qualified journeyman plumbers as defined in Section 54-2611(b), Idaho Code, shall be permitted to make installations as subsequently described herein without securing an additional license for said installation. (7-1-99)

**02. Qualified Apprentice Plumbers.** Qualified apprentice plumbers as defined in Section 54-2611(c), Idaho Code, shall be permitted to make installations as subsequently described herein without securing an additional license for said installation. (7-1-99)

**03. Minimum Experience Requirements.** (7-1-99)

**a.** Experience gained by an individual while engaged in the practice of water pump plumbing specialty shall not be considered towards the satisfaction of the minimum experience requirements for licensing as a journeyman plumber. (7-1-99)

**b.** All qualified water pump plumbing specialty journeymen shall be licensed and be in the employ of a licensed plumbing contractor or specialty contractor limited to this category. (7-1-99)

**c.** Water pump plumbing specialty contractors must have a two thousand dollars (\$2,000) surety bond, thirty (30) months minimum journeyman experience, and successful completion of water pump plumbing specialty contractor's test. (7-1-99)

**d.** Water pump specialty journeymen must have eighteen (18) months apprentice on-the-job experience, satisfactory completion of twelve (12) hours of Idaho Plumbing Board-approved, related training classes and successful completion of the water pump plumbing specialty journeyman's test. (7-1-99)

e. Water pump plumbing specialty apprentices must be employed by a licensed contractor, under the supervision of a journeyman, be enrolled in or have completed Idaho Plumbing Board-approved related training classes and maintain state registration. (7-1-99)

**04. Special Grandfathering Provision.** (7-1-99)

a. Contractor: In lieu of the thirty (30) month minimum journeyman experience requirement, an individual may use three (3) years experience of owning and operating a business where this specialty applies and satisfactory completion of twenty-four (24) hours of Idaho Plumbing Board-approved related training classes. For this purpose, a business is defined as an activity in which tax returns were required to be and have been filed for at least three (3) years. (7-1-99)

b. Journeyman: In lieu of the eighteen (18) months apprentice on-the-job experience requirement, an individual may use three (3) years experience working for a business where this specialty applies. For this purpose, working for a business is defined as being issued a W-2 earning form from a related business or businesses for at least three (3) years. (7-1-99)

**05. Applications for Specialty Licenses.** Applications for the above specialty licenses may be obtained from the ~~Plumbing Bureau~~, Division of Building Safety. The forms shall be returned with the examination fee provided by Section 54-2614, Idaho Code, with proof of the required experience in the field of this specialty. (7-1-99)

**06. Examinations for Specialty Licenses.** Written examinations for specialty plumbing licenses shall be formulated from the practical application of the sections of the Uniform Plumbing Code as adopted by the Idaho Plumbing Board under Section 54-2601, Idaho Code. (7-1-99)

**07. Fees.** Fees for certificates shall be required in accordance with Section 54-2616, Idaho Code. (7-1-99)

**08. Scope of Work Permitted.** Permitted to install and connect water service piping from pump to storage expansion pressure tank in one (1) and two (2) family residences only. Does not include installation, testing or certifying of backflow prevention devices. Must comply with all Idaho plumbing laws and rules and the requirements of the Uniform Plumbing Code. (7-1-99)

**020. -- 999. (RESERVED).**

# IDAHO PLUMBING BOARD

## Agenda Item No. 04a Out-of-State Journeyman or Master Plumber Registration

**PRESENTER:** John Nielsen

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**OBJECTIVE:** To prohibit journeymen and master plumbers from any recognized jurisdictions to register in Idaho as an apprentice.

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**ACTION:** Vote to accept, reject, or modify the proposed rule change

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**BACKGROUND:** It was brought to the attention of the Board out-of-state licensed journeymen and master plumbers were working in Idaho as registered apprentices and not in compliance with Idaho's schooling requirements.

Upon discussing this topic at the February 10, 2011 Board meeting, the Board requested a proposed rule be brought to the May 12, 2011 meeting as an informational item. After further discussion, the Board requested the proposed rule be brought back as an action item, along with proposed penalty, to the July 2011 Board meeting.

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### **PROCEDURAL HISTORY:**

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**ATTACHMENTS:** IDAPA 07.02.05.004

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## IDAPA 07 TITLE 02 CHAPTER 05

### 07.02.05 - RULES GOVERNING PLUMBING SAFETY LICENSING

**000.LEGAL AUTHORITY.** In accordance with Section 54-2605(1), Idaho Code, the Idaho Plumbing Board shall make, promulgate, and publish such rules as may be necessary for carrying out the provisions of this act in order to effectuate the purposes thereof and for the orderly and efficient administration thereof, and except as may be limited or prohibited by law and the provisions of this act, such rules so made and promulgated shall have the force of statute. (2-26-93)

**001.TITLE AND SCOPE.** These rules shall be cited as IDAPA 07.02.05, “Rules Governing Plumbing Safety Licensing,” Division of Building Safety. These rules prescribe the criteria for the issuance of licensing for plumbing installations. (2-26-93)

**002.WRITTEN INTERPRETATIONS.** This agency has written interpretations of this chapter in the form of legal memoranda. (2-26-93)

**003.ADMINISTRATIVE APPEALS.** IDAPA 04.11.01, “Idaho Rules of Administrative Procedure of the Attorney General,” govern license revocation/ suspension proceedings. (2-26-93)

**004. REGISTRATION.** An applicant for any plumbing registration or certificate of competency who has been previously licensed as a journeyman or master plumber in any recognized jurisdiction is required upon application to the Division of Building Safety to disclose such licensure history and provide sufficient proof thereof. An applicant for any plumbing registration or certificate of competency who has been previously licensed as a journeyman or master plumber in any recognized jurisdiction shall not be issued a plumbing apprentice registration.

**005.—010. (RESERVED).**

# IDAHO PLUMBING BOARD

**Agenda Item No. 04b**

**Failure to Disclose**

**PRESENTER:** John Nielsen

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**OBJECTIVE:** Create a penalty fee for failure to disclose licensure history.

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**ACTION:** Vote to accept, reject, or modify the proposed rule change

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**BACKGROUND:** It was brought to the attention of the Board out-of-state licensed journeymen and master plumbers were working in Idaho as registered apprentices and not in compliance with Idaho's schooling requirements.

Upon discussing this topic at the February 10, 2011 Board meeting, the Board requested a proposed rule be brought to the May 12, 2011 meeting as an informational item. After further discussion, the Board requested the proposed rule be brought back as an action item, along with proposed penalty, to the July 2011 Board meeting.

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**PROCEDURAL HISTORY:**

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**ATTACHMENTS:** IDAPA 07.02.07 "Rules Governing Civil Penalties"

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**IDAPA 07 TITLE 02 CHAPTER 07**

**07.02.07 - RULES GOVERNING CIVIL PENALTIES**

**000. LEGAL AUTHORITY.**

The Idaho Plumbing Board is authorized under Section 54-2606(3)(e), Idaho Code, to establish by administrative rule the civil penalty to be paid for citations issued. (3-24-05)

**001. TITLE AND SCOPE.**

**01. Title.** These rules shall be cited as IDAPA 07.02.07, "Rules Governing Civil Penalties," Division of Building Safety. (3-24-05)

**02. Scope.** These rules establish the criteria and amount of civil penalties to be levied for violations of Title 54, Chapter 26, Idaho Code, and IDAPA 07.02.07, "Rules Governing Civil Penalties," Division of Building Safety. (3-24-05)

**002. WRITTEN INTERPRETATIONS.**

This agency has no written interpretations of this chapter. (3-24-05)

**003. ADMINISTRATIVE APPEALS.**

Upon notice of a civil penalty, the notified party shall within ten (10) days comply with the penalty or file a written request for a hearing for appeal with the Idaho Plumbing Board. Bond in the amount of the penalty shall accompany the request for hearing. (3-24-05)

**004. INCORPORATION BY REFERENCE.**

There are no documents that have been incorporated by reference into this rule. (3-24-05)

**005. OFFICE -- OFFICE HOURS -- MAILING ADDRESS AND STREET ADDRESS.**

The principal place of business of the Division of Building Safety, Plumbing ~~Bureau Program~~ is ~~in Meridian, Idaho.~~ The office is located at 1090 E. Watertower Street Suite 150, Meridian, Idaho. The Plumbing Program may also be contacted at 1250 Ironwood Dr., Ste. 220, Coeur d'Alene, Idaho 83814, and 2055 Garrett Way, Ste. 7, Pocatello, Idaho 83201, and all locations ~~are~~ is open from 8:00 a.m. to 5:00 p.m., except Saturday, Sunday and legal holidays. The central mailing address is: Division of Building Safety, 1090 E. Watertower Street, Meridian, Idaho 83642.

(3-24-05)

**006. -- 010. (RESERVED).**

**011. CIVIL PENALTIES.**

The following acts shall subject the violator to penalties based on the following schedule.

(3-24-05)

**01. Plumbing Contractor.** Except as provided by Section 54-2602, Idaho Code, any person who acts, or purports to act as a plumbing contractor, as defined by Section 54-2611(a), Idaho Code, without a valid Idaho state certificate of competency authorizing him to do so shall be subject to a civil penalty of not more than five hundred dollars (\$500) for the first offense and a civil penalty of not more than one thousand dollars (\$1,000) for each offense thereafter. (3-24-05)

**02. Certification or Registration.** Except as provided by Section 54-2602, Idaho Code, any person performing plumbing as defined in Section 54-2603, Idaho Code, without an appropriate certificate of competency or registration shall be subject to a civil penalty of not more than two hundred dollars (\$200) for the first offense and a civil penalty of not more than one thousand dollars (\$1,000) for each offense thereafter. (3-24-05)

**03. Failure to Disclose.** Any applicant for a plumbing registration or certificate of competency who upon request fails to disclose any required information, including but not limited to their complete licensure history or the fact that they have been previously licensed as a journeyman or master plumber in any recognized jurisdiction shall be subject to a civil penalty of not more than two hundred dollars (\$200) for the first offense and a civil penalty of not more than one thousand dollars (\$1,000) for each offense thereafter.

(-\_-12)

**034. Performance Outside Scope of Certificate.** Any specialty contractor or specialty journeyman performing plumbing installations, alterations or maintenance outside the scope of the specialty certificate of competency shall be subject to a civil penalty of not more than two hundred dollars (\$200) for the first offense and a civil penalty of not more than one thousand dollars (\$1,000) for each offense thereafter. (~~3-24-05~~)

**045. Fees, Permits and Inspections.** Any person, other than a person who holds a valid Idaho state plumbing contractor's certificate of competency, failing to pay applicable fees, or properly post a plumbing permit, or to request an inspection of all pipes, fittings, valves, vents, fixtures, appliances, appurtenances, and water treatment installations and repairs shall be subject to a civil penalty of not more than two hundred dollars (\$200) for the first offense and a civil penalty of not more than one thousand (\$1,000) for each offense thereafter. (~~4-2-08~~)

**056. Corrections.** Any person, other than a person who holds a valid Idaho state plumbing contractor's certificate of competency, who fails to make corrections in the time allotted in the notice on any plumbing installation as set forth in Section 54-2625, Idaho Code, shall be subject to a civil penalty of not more than two hundred dollars (\$200) for the first offense and a civil penalty of not more than one thousand dollars (\$1,000) for each offense thereafter. (~~4-2-08~~)

**067. Gross Violation.** In the case of continued, repeated or gross violation of Title 54, Chapter 26, Idaho Code, or IDAPA 07.02.07, disciplinary action shall be initiated against certificate holders under this chapter or the matter shall be referred for prosecution.

(~~3-24-05~~)

**078. Judicial Review.** Any party aggrieved by the final action of the Idaho Plumbing Board shall be entitled to a judicial review thereof in accordance with the provisions of Title 67, Chapter 52, Idaho Code. (~~3-24-05~~)

**012. -- 999. (RESERVED).**

# IDAHO PLUMBING BOARD

**Agenda Item No. 05**

**Reclaim Water Systems**

**PRESENTER:** John Nielsen

---

**OBJECTIVE:** To allow reclaim water systems to be used in residential applications.

---

**ACTION:** Vote to accept, reject, or modify the proposed rule change

---

**BACKGROUND:** The 2003 Uniform Plumbing Code (UPC) limits the use of reclaim water systems to non-residential only. The 2009 UPC allows reclaim water systems to be used in residential and non-residential applications.

A reclaim water system (AQUUS) was presented to the Board at the May 12, 2011 Board meeting. The system meets the required standards of the 2009 UPC for use in residential applications. The Board requested a code amendment be proposed to allow the use of reclaim water systems in residential applications.

---

**PROCEDURAL  
HISTORY:**

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**ATTACHMENTS:** IDAPA 07.02.06 “Rules Concerning Uniform Plumbing Code”

---



**IDAPA 07**  
**TITLE 02**  
**CHAPTER 06**

**07.02.06 - RULES CONCERNING UNIFORM PLUMBING CODE**

**000. LEGAL AUTHORITY.**

In accordance with Section 54-2605(1), Idaho Code, the Idaho Plumbing Board shall make, promulgate, and publish such rules as may be necessary for carrying out the provisions of this act in order to effectuate the purposes thereof and for the orderly and efficient administration thereof, and except as may be limited or prohibited by law and the provisions of this act, such rules so made and promulgated shall have the force of statute. (2-26-93)

**001. TITLE AND SCOPE.**

These rules shall be cited as IDAPA 07.02.06, "Rules Concerning Uniform Plumbing Code," Division of Building Safety. These rules prescribe the use of the Uniform Plumbing Code. (2-26-93)  
(2-26-93)

**002. WRITTEN INTERPRETATIONS.**

This agency has no written interpretations of this chapter. (2-26-93)

**003. ADMINISTRATIVE APPEALS.**

This chapter does not provide for administrative relief of the provisions contained herein. (2-26-93)

**004. -- 010. (RESERVED).**

**011. ADOPTION AND INCORPORATION BY REFERENCE OF THE 2003 UNIFORM PLUMBING CODE.**

The 2003 Uniform Plumbing Code including Appendices "A, B, D, E, G, H, I, J, and L," (herein U.P.C.) is adopted and incorporated by reference with the following amendments as prescribed by the Idaho plumbing board and contained herein this section. The 2003 Uniform Plumbing Code is available for review at the Division of Building Safety offices located at, 1090 E. Watertower St, Suite 150., Meridian, Idaho 83642 and at the Division of Building Safety, 1250 Ironwood Dr., Ste. 220, Coeur d'Alene, Idaho 83814, and 2055 Garrett Way, Ste. 7, Pocatello, Idaho 83201. It may also be accessed electronically at: <http://dbs.idaho.gov/>.

(4-6-05)

**01. Section 218.** Delete definition of "Plumbing System." Incorporate definition of "Plumbing System" as set forth in Section 54-2604, Idaho Code. (3-15-02)

**02. Section 316.1.6.** PVC DWV may be joined by the use of one-step solvent cement listed or labeled per U.P.C. Section 301.1.1. (4-6-05)

**03. Section 402.3.1.** Nonwater Urinals. Where nonwater urinals are installed they shall be listed and comply with the applicable standards referenced in Table 14-1. Nonwater urinals shall have a barrier liquid sealant to maintain a trap seal. Nonwater urinals shall permit the unimpeded flow of waste through the urinal to the sanitary drainage system. Nonwater urinals shall be cleaned and maintained in accordance with the manufacturer's instructions. Where nonwater urinals are installed they shall have a water distribution line rough-in to the urinal location to allow for the installation of an approved backflow prevention device in the event of a retrofit. (5-8-09)

**04. Section 420.0.** Pressure balance or thermostatic mixing valves are not required for high flow (over eight (8) g.p.m.) tub filler valves with hand shower sets attached. (3-15-02)

- 05. Section 421.0.** Delete. (4-6-05)
- 06. Section 604.1. Materials.** Crosslinked Polyethylene (PEX) Tubing manufactured to ASTM – F876/F877 and tested, approved, and listed to ANSI/NSF 14 and 61, for potable water along with all applicable installation standards may be used for hot and cold water distribution systems within a building or cold water distribution systems outside of a building. Listed PE (polyethylene) water service and yard piping may be installed within a building (above ground and below ground) with one (1) joint, provided that only listed and approved metallic transition fittings shall be used. (4-6-05)
- 07. Section 609.4.** Testing. Deleting the phrase “Except for plastic piping,” at the beginning of the third sentence and add the following sentence at the end of the section: Plastic piping is to be tested in accordance with manufacturer’s installation standards. (4-6-05)
- 08. Section 609.10.** Water hammer. Does not apply to residential construction. (7-1-98)
- 09. Table 6-4 and Table A-2.** Change fixture unit loading value for bathtub or combination bath/ shower, and clotheswashers to two (2) fixture units. (3-15-02)
- 10. Section 610.2.** All new one (1) and two (2) family residences must have a pre-plumbed water softener loop. The kitchen sink must have one (1) hot soft line and one (1) cold soft line and one (1) cold hard line. Exterior cold hose bibbs intended for irrigation purposes must be piped with hard water. (3-30-07)
- 11. Section 611.4.** Sizing of Residential Softeners. Amend Footnote 3 to read: Over four (4) bathroom groups, softeners shall be sized according to the manufacturer’s standards. (4-6-05)
- 12. Table 7-3.** Maximum unit loading and maximum length of drainage and vent piping. (EXCEPTION) The building drain and building sewer is not less than four (4) inches extending from its connection with the city or private sewer system and shall run full size to inside the foundation or building lines (ref: Section 717.0). Change fixture unit loading value for clotheswashers, domestic to two (2) fixture units. (3-15-02)
- 13. Section 703.1 - Underground Drainage and Vent Piping.** No portion of the drainage or vent system installed underground, underground under concrete or below a basement or cellar shall be less than two (2) inches in diameter. (3-15-02)
- 14. Section 703.2 and 710.5. Add Exception.** In single family dwellings, one (1) fixture unit may be allowed for each gallon per minute of flow from a pump or a sump ejector. (3-15-02)
- 15. Section 704.2.** Two inch (2”) and smaller double sanitary tees may be used for back to back or side by side fixture trap arms without increasing the barrel size. (4-6-05)
- 16. Section 704.3.** Delete. (5-3-03)
- 17. Table 7-5.** Change fixture unit loading value for one and a half (1 1/2) inch horizontal drainage to two (2) fixture units. (7-1-98)
- 18. Section 707.4 Cleanouts.** A full-sized accessible cleanout shall be installed in the vertical immediately above the floor or at the base of each waste or soil stack. A full-size cleanout extending to or above finished grade line shall be installed at the junction of the building drain and the building sewer (ref.: Section 719.1). Cleanouts shall be installed at fifty (50) foot intervals in horizontal drain lines two (2) inches or smaller. (3-15-02)
- 19. Section 712.1.** In the first sentence, delete the phrase “except that plastic pipe shall not be tested with air.” (4-6-05)
- 20. Section 801.2.3.** Add: Food preparation sinks, pot sinks, scullery sinks, dishwashing sinks, silverware sinks, commercial dishwashing machines, silverware-washing machines, steam kettles, potato peelers, ice cream dipper wells, and other similar equipment and fixtures must be indirectly

connected to the drainage system by means of an air gap. The piping from the equipment to the receptor must not be smaller than the drain on the unit, but it must not be smaller than one (1) inch (twenty-five and four tenths (25.4) mm). (5-3-03)

**21. Section 801.4. Drains.** Provisions must be made for the discharge of the water softener to terminate in an approved location. The drain line for a water softener must be three-fourths (3/4) inch minimum. A washer box with a dual outlet is an approved location as long as it is on the same floor or one (1) floor below the softener unit and the water softener drain line is a minimum three-fourths (3/4) inch. (3-30-07)

**22. Section 807.4.** A domestic dishwashing machine may be installed without the use of an airgap if the drain hose is looped to the bottom side of the counter top and secured properly. (3-15-02)

**23. Section 906.1.** Delete the existing provision and replace with the following: (4-2-08)  
**a.** Roof venting. When conventional roof venting is utilized, each vent pipe or stack shall extend through its flashing and shall terminate vertically not less than six (6) inches (one hundred fifty-two (152) mm) above the roof nor less than one (1) foot (three hundred five (305) mm) from any vertical surface. (4-2-08)

**b.** Sidewall venting. When sidewall venting is utilized, the vent shall extend flush with the eaves/ gable end, shall turn down using a ninety (90) degree ell, and shall terminate as close to the roof peak as possible. The vent end must be properly screened. Sidewall venting is acceptable on new or remodel construction on cabins, log homes, and residential or commercial buildings. (4-2-08)

**c.** Sidewall venting must meet the intent of Section 906.2 of the UPC. (4-2-08)

**24. Section 908. Exception - Vertical Wet Venting.** A horizontal wet vent may be created provided it is created in a vertical position and all other requirements of Section 908 of the UPC are met. (7-1-98)

**25. Section 909.0.** Add: Parameters for the limited use of Air Admittance Valves (A.A.V.). (4-2-08)

**a.** An A.A.V. may be used only in residential buildings. (4-2-08)

**b.** In remodels, an A.A.V. may be used with island fixtures or remotely located sinks such as in bar, kitchen, or laundry tray locations. An A.A.V. shall not be used in bathroom groups. (4-2-08)

**c.** In new construction, an A.A.V. may be used on island fixture sinks. (4-2-08)

**d.** Each A.A.V. may be used to vent only one (1) floor. (4-2-08)

**e.** Each A.A.V. must be readily accessible. (4-2-08)

**f.** The cross-sectional area of venting must remain the same and must meet the largest required building drain. (4-2-08)

**g.** An A.A.V. shall only be installed in accordance with the manufacturer's installation standards as per ASSE 1051. (4-2-08)

**h.** An A.A.V. may not be used in an attic, crawl space, outside installation, or in connection with chemical or acid waste systems. (4-2-08)

**26. Section 1002.3.** Trap arms may not exceed one hundred eighty (180) degrees of horizontal turn without the use of a cleanout. (3-15-02)

**27. Section J 1 - Reclaimed Water Systems-General shall read as follows: The provisions of this appendix shall apply to the installation, construction, alteration and repair of reclaimed water systems intended to supply water closets, urinals, trap primers for floor drains, floor sinks, irrigation, industrial processes, and water features. The reclaimed water system shall have no connections to any potable water system, with or without mechanical backflow preventions devices. If reclaimed water is utilized on the premises, all potable water supplies shall be provided with appropriate backflow protection, as required by the Plumbing Board. Except as otherwise provided for in this appendix, the provisions of this code shall be applicable to reclaimed water system installations.** ( - -12)

**012. -- 999. (RESERVED).**

# IDAHO PLUMBING BOARD

**Agenda Item No. 06**

**AQUS**

**PRESENTER:** Dan Long

---

**OBJECTIVE:** To provide a consumer report on the AQUS system.

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**ACTION:** Informational

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**BACKGROUND:** At the May 2011 Board meeting, it was suggested an AQUS system be installed in a board members home for testing purposes. Dan Long offered to use the system; reporting his findings to the July 2011 meeting.

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**PROCEDURAL  
HISTORY:**

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**ATTACHMENTS:** No documentation

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# IDAHO PLUMBING BOARD

## Agenda Item No. 07 International Green Construction Code's (IGCC) Water Efficiency Provisions

**PRESENTER:** Shawn Martin, Director of ICC Industry Relations

---

**OBJECTIVE:** To provide an overview of the scope of the IGCC

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**ACTION:** Informational

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**BACKGROUND:** At the May 2011 Plumbing Board meeting, Kraig Stevenson with ICC briefly highlighted on a few aspects of the IGCC's booklet *Water Efficiency Provisions*. Chairman Terrell provided Mr. Stevenson with a copy of the 2011 Board Meeting Calendar and encouraged him to contact DBS staff to be placed on a future Plumbing Board meeting agenda.

---

### **PROCEDURAL HISTORY:**

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**ATTACHMENTS:** Letter from Kraig Stevenson to Plumbing Chairman Milford Terrell

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International Code Council  
500 New Jersey Avenue, NW  
Sixth Floor  
Washington, DC 20001  
tel: 888.icc.safe (422.7233)  
fax: 202.783.2348  
www.iccsafe.org

May 13, 2011

Milford Terrell, Chairman  
Idaho State Plumbing Board  
Kelly Pearce, Administrator  
Division of Building Safety  
1090 East Watertower Street  
Suite 150  
Meridian, Idaho 83642

RE: Idaho State Plumbing Board Agenda July 21, 2011

Dear Chairman Terrell and Administrator Pearce:

Thank you for allowing me to speak for a few minutes during the open forum portion of the May 12, 2011 Idaho Plumbing Board meeting to introduce the board to the International Green Construction Code's (IGCC) *Water Efficiency Provisions*.

I was able to briefly highlight only a few aspects of the IGCC and its Water Efficiency Provisions during the May 12th meeting. With the Board taking action to keep the topic of Green Plumbing Code technologies on its monthly informational agenda, I believe it will be helpful to the board for them to learn more about the details and requirements contained in the IGCC regarding water efficiency requirements.

I request for your consideration to have an item placed on the July 21, 2011 Idaho Plumbing Board's agenda that will allow ICC's representative, Mr. Shawn Martin, Director of Industry Relations, approximately 20 minutes to cover in more detail the technical requirements and benefits of the IGCC Water Efficiency Provisions.

Thank you for your consideration.

Best Regards,

A handwritten signature in black ink, appearing to read "Kraig Stevenson", is written over a white background.

Kraig Stevenson, CBO  
ICC Government Relations  
2122 112<sup>th</sup> Ave. NE Suite B-100  
Bellevue, WA 98004  
[kstevenson@iccsafe.org](mailto:kstevenson@iccsafe.org)  
888-422-7233 Ex 7603

# IDAHO PLUMBING BOARD

**Agenda Item No. 08**

**Schooling Update**

**PRESENTER:** Irene Vogel, PTE

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**OBJECTIVE:** To inform the Board of the subcommittee's progress in the development of a standard curriculum for the Electrical, HVAC, and Plumbing State Licensure Apprenticeship programs.

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**ACTION:** Informational

---

**BACKGROUND:** In the summer of 2010, school representatives met to develop a standard curriculum for the Electrical, HVAC, and Plumbing State Licensure Apprenticeship programs.

Irene Vogel, PTE, is in the process of creating a committee, comprised of individuals from the technical college system, proprietary institutions, industry, and division, to review the current curriculum outlines and competencies.

Ms. Vogel was unable to attend the May 2011 Board meeting; therefore, the topic "Schooling Update" was moved to the July 21, 2011 Agenda.

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**PROCEDURAL HISTORY:**

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**ATTACHMENTS:** No documentation

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# IDAHO PLUMBING BOARD

## Agenda Item No. 09

## Pre-Apprenticeship Program

**PRESENTER:** Ed Howland, CWI

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**OBJECTIVE:** To encourage individuals to pursue a career in the Electrical, HVAC, or Plumbing trade.

---

**ACTION:** Informational

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**BACKGROUND:** In the fall of 2011 CWI will offer a pre-apprenticeship program. This program will allow individuals unsure of which trade to pursue, Electrical, HVAC or Plumbing, an opportunity to learn the basics of any construction trade. Some of the items that will be taught are: construction math, safety, blue print reading, hand and power tools, communication, and job readiness skills. There will also be an introduction into the “green” environment.

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### **PROCEDURAL HISTORY:**

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**ATTACHMENTS:** Intro to Construction Apprenticeship Letter and Pre-Apprenticeship Flyer

---





Center for  
Workforce Development

## **INTRO TO CONSTRUCTION APPRENTICESHIP**

**(Electrical, Plumbing, HVAC)**

*2011-2012*

College of **W**estern **I**daho is offering this **NEW** course:

This 78 course is intended for individuals interested in obtaining apprenticeship jobs in the Electrical, Plumbing, HVAC, or any other construction field. Idaho State-approved Apprenticeship Programs in Electrical, Plumbing and HVAC, which include both on-the-job training and classroom instruction, lead to journeyman licenses in the respective fields. Once employed, additional classroom instruction is required.

The course will introduce the student to the construction trades and allow the student to choose a trade of his/her choice. Our intent is to give the student an advantage when applying for apprenticeship positions in any construction trade and to give employers a hiring pool of more qualified entry-level workers.

In addition, successful completion of this course will give the student credit equal to the first semester of either the Plumbing or HVAC Apprenticeship Programs. It will not give credit toward the Electrical Apprenticeship Program due to the large amount of electrical theory in the first semester of that program.

- **Content**

- Basic Safety (includes OSHA 10-hour certification)
- Introduction to Hand Tools
- Introduction to Power Tools
- Introduction to Construction Math
- Introduction to Construction Drawings
- Introduction to the Electrical, HVAC, & Plumbing Industries (hands-on in the lab)

- **State of the Art Labs** for hands on experience to enhance our students' learning.

- **Convenient Location** in Nampa close to Exit 33A off I-84.

- **Free Convenient Parking.**

- **Fee.** \$425

- **Dates.** September 13 through December 15, 2011

- **Days.** Tuesdays & Thursdays

- **Time.** 6 p.m. – 9 p.m.

- **Location.** CWI Canyon County Center, Nampa

- **Textbook.** Core Curriculum: Introductory Craft Skills,  
*By NCCER, ISBN: 978-0-13-608637-6*

- **To Register.** Call **208.562.3000**, go on-line at [cwidaho.cc](http://cwidaho.cc), or visit one of our locations.

Canyon County Campus  
2407 Caldwell Blvd.  
Nampa

Oak Park Plaza  
2323 Vista Avenue  
Boise

Nampa Campus  
5500 E Opportunity Drive  
Nampa

Ada County Campus  
1360 S Eagle Flight Way  
Boise

**Registration begins July 5, 2011.**

# Pre-Apprenticeship Program

*Achieve More*

## INTRO TO CONSTRUCTION APPRENTICESHIP

Pre-Apprenticeship/Intro to the Construction Trades  
(Electrical, Plumbing, HVAC)

This 78 hour course is intended for individuals interested in obtaining apprenticeship jobs in the Electrical, Plumbing, or HVAC fields. Idaho State-approved Apprenticeship Programs in Electrical, Plumbing and HVAC fields, which include both on-the-job training and classroom instruction, lead to journeymen licenses in the respective fields, once employed additional classroom instruction is required.

The course will introduce the student to the construction trades and allow the student to choose a trade of his/her choice. Completion will give the student an advantage when applying for apprenticeship positions in all trades.

In addition, successful completion of this course will give the student credit equal to the first semester of either the Plumbing or HVAC Apprenticeship Programs. It will not give credit toward the Electrical Apprenticeship Program due to the large amount of electrical theory in the first semester of that program.

- Basic Safety (includes OSHA 10-hour certification)
- Introduction to Hand Tools
- Introduction to Power Tool
- Introduction to Construction Math
- Introduction to Construction Drawings
- Introduction to the Electrical Industry
- Introduction to the HVAC Industry
- Introduction to the Plumbing Industry

**Fee:** \$425  
**Dates:** September 13 through December 15, 2011  
**Days:** Tuesdays and Thursdays  
**Time:** 6 p.m. – 8 p.m.  
**Location:** CWI Canyon County Center, Nampa  
**Textbook:** Core Curriculum: Introductory Craft Skills,  
By NCCER, ISBN: 978-0-13-608637-6



**Class offered at CWI,  
Canyon County Center,  
2407 Caldwell, Blvd,  
Nampa, Idaho.**

***Space is Limited!***

**Registration information  
at  
[www.cwidaho.cc/cwd](http://www.cwidaho.cc/cwd)  
Or call  
208.562.3000**



Center for  
Workforce Development

**REGISTER NOW**

Online: [www.cwidaho.cc/cwd](http://www.cwidaho.cc/cwd)

By Phone: 208.562.3000 | Fax: 208.562.3216

In-person at any CWI One Stop Student Services Location

# IDAHO PLUMBING BOARD

## Agenda Item No. 10                      Plumbing Apprenticeship Curriculum Review

**PRESENTER:**            Ed Howland, CWI

---

**OBJECTIVE:**            To inform the Board of the subcommittee's progress in the development of a standard curriculum for the Electrical, HVAC, and Plumbing State Licensure Apprenticeship programs.

---

**ACTION:**                Informational

---

**BACKGROUND:**        In the summer of 2010, school representatives met to develop a standard curriculum for the Electrical, HVAC, and Plumbing State Licensure Apprenticeship programs.

Irene Vogel, PTE, was in the process of creating a committee, comprised of individuals from the technical college system, proprietary institutions, industry, and division, to review the current curriculum outlines and competencies. However, PTE recently asked CWI to coordinate this process. Previously PTE paid CWI to review and organize years 1 & 2. Due to lack of funding, years 3 and 4 are just now being reviewed and organized by CWI.

---

### **PROCEDURAL HISTORY:**

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**ATTACHMENTS:**    Plumbing Apprenticeship Curriculum – Years 1-4

---



## Plumbing Apprenticeship Year 1

Revised June 2011

College of Western Idaho

*in cooperation with*

Idaho State Division of Professional Technical Education

### Total Suggested Hours - 168

Each of the following subjects may take more or less time than is shown, but a minimum of 144 hours is required.

### Suggested Materials:

- 30/60/90 degree angle
- Calculator (Home Project Calc or one that will add feet & inches)
- Architect Ruler
- Metal Tape Measurer -any size

**Optional:** T – Square (CWI provides)

### Suggested Textbooks:

1. Uniform Plumbing Code 2003 Illustrated Training Manual, ISBN 1081-3802.  
Web site: <http://www.iapmo.org>; Email address: [iapmo@iapmo.org](mailto:iapmo@iapmo.org)
2. Residential Construction Academy Plumbing Book, ISBN -1-4018-4891-5;  
Web site: [www.delmarlearning.com](http://www.delmarlearning.com)
3. Mathematics for Plumbers & Pipe Fitters, Delmar, ISBN -1-4283-0461-4
4. Current Copy of Idaho Code & Administrative Rules Pamphlet.  
Students may print it at [www.Dbs.idaho.gov](http://www.Dbs.idaho.gov) or call the Idaho Division of Building Safety for a copy.

### Instructions:

This outline is organized by subjects. Each subject should be broken down into lessons. It may be more effective if the instructor combines a portion of each subject area together into a lesson. For example, you might break a three hour lesson into three one-hour sections, one hour on Safety, one hour on Math, and one hour on Codes. The instructor should concentrate on the student achieving the basic objectives stated. Suggested methods of instruction are lectures, worksheets, water and drainage drawings, power point presentations, and lab activities. At the end of each lesson the student should be quizzed and/or graded on his knowledge.

### Introduction to the Plumbing Profession - 6 hours

- History of the Plumbing Profession
- Idaho State Plumbing Structure
- Basic Principles of Plumbing

#### **Objectives:**

- Describe the history of the plumbing profession
- Identify the state of Idaho's organizational structure

- Identify the basic principles on which the plumbing code is based

## **Plumbing Safety – 18 hours**

- Basic Safety
- OSHA
- Lifting
- Ladder
- Fire
- Personal Protective Equipment
- Trench
- Lock out /tag out
- Confined Space

### ***Objectives:***

- Understand common unsafe acts and conditions that cause accidents and how to handle these situations to make them safer
- Identify job site hazards – work specific to plumbers
- Learn how to maintain your workplace safely
- Understand OSHA's involvement in the plumbing profession
- Understand how the cost of accidents and illnesses effect everyone on a job site
- Identify how to properly lift heavy objects to avoid injury
- Identify the proper procedures to safely work on and around ladders
- Identify the different types of fires and the proper extinguisher to use for each type
- Identify the types of personal protective equipment needed in the plumbing profession and when each type is required
- Understand how to work safely in and around a trench
- Understand the lock out/ tag out procedure
- Understand how to properly work in and around a confined space

## **Introduction into Hand Tools used in the Plumbing Profession - 6 hours**

- Levels
- Tape Measure
- Screw Drivers
- Wrenches
- Plastic Pipe Cutter
- Saws
- Pliers
- Torch regulator assembly

### ***Objectives:***

- Identify the types of hand tools used in the plumbing profession
- Learn how to properly use and care for basic hand tools
- Visually inspect hand tools to determine if they are safe to use
- Identify the types of personal protective equipment required to be used with hand tools

## **Introduction into Power Tools used in the Plumbing Profession – 6 hours**

- Power Drills
- Drill Bits
- Power Saws
- Air Compressor

- Pneumatic Tools
- Jack Hammers

***Objectives:***

- Identify the types of power tools used in the plumbing profession
- Learn how to properly use and care for basic power tools
- Identify which drill or saw is used relevant to the work location
- Identify which drill bit or saw blade is used relevant to a system installation
- Visually inspect power tools to determine if they are safe to use
- Identify the types of personal protective equipment required to be used with power tools

**Identification of All Plumbing Fittings and Types of Pipe - 6 hours**

***Objectives:***

- Identify and describe the various fittings used in the plumbing profession
- Understand that certain fitting materials and designs may only be used for specific systems
- Describe the relationship of fitting design selections and plumbing codes
- Identify and describe common types of pipes used in the plumbing profession
- Understand that certain types of pipes may only be used for specific systems
- Describe the relationship of pipe design selections and plumbing codes

**Mathematics – 30 hours**

- Review of Basic Math Fundamentals
- Area
- Volume
- Weight/Gallons of liquids

***Objectives:***

- Define the kinds of measurements used
- Demonstrate how to use a calculator to solve plumbing math
- Define the basic concepts to solve story problems.
- Demonstrate the use of a standard ruler and tape measure
- Recognize some of the basic shapes used in the plumbing industry and demonstrate basic geometry to measure them
- Solve problems for area and volume using appropriate formulas.
- Solve problems relating to area, volume, weights and gallons

**Introduction to the Uniform Plumbing Code – 39 hours**

- General Regulations
- Water System
- Drain, Waste and Vent System

***Objectives:***

- Apply general regulations related to water systems and drain, waste and vent systems
- Perform water pipe sizing exercises
- Describe the code requirements for the installation of water supply and distribution systems (materials, joints, connections, sizing, etc)
- Describe the code requirements for the installation of drain and waste systems (materials, joints, connections, sizing, etc)
- Perform drain and waste pipe sizing exercises

**Isometric Drawings – 15 hours**

- Plumbing Symbols and Abbreviations
- Three dimensional drawing

***Objectives:***

- Identify the various plumbing symbols and abbreviations used on a blueprint drawing

**Lab – 42 hours -** For those schools with a lab, these hours may be completed entirely in a lab setting. For those who do not, the instructor should make every attempt to use a company's space & equipment or the instructors may explain through lecture and demonstration.

- Plumbing Repairs and Troubleshooting
- Plumbing lay out for single bathroom group

***Objectives:***

- Identify and repair various plumbing fixtures needed in a bathroom group
- Given a plan view of a bathroom group, demonstrate the following:
  - Create an isometric drawing
  - Lay out the bathroom group in the lab
  - Plumb the bathroom group using fittings and piping to minimum standards of the UPC

**Plumbing Apprenticeship  
Year 2**

Revised June 2011

College of Western Idaho

*in cooperation with*

Idaho State Division of Professional Technical Education

**Total Suggested Hours - 168**

Each of the following subjects may take more or less time than is shown, but a minimum of 144 hours is required.

**Suggested Materials:**

- 30/60/90 degree angle
- Calculator (Home Project Calc or one that will add feet & inches)
- Architect Ruler
- Metal Tape Measurer -any size

**Optional:** T – Square (CWI provides)

**Suggested Textbooks:**

1. **\*Uniform Plumbing Code 2003 Illustrated Training Manual**, ISBN 1081-3802; Web site: <http://www.iapmo.org>; Email address: [iapmo@iapmo.org](mailto:iapmo@iapmo.org)
2. **Uniform Plumbing Code 2003 Loose Leaf**, ISBN 0733-2335; Web site: <http://www.iapmo.org>; Email address: [iapmo@iapmo.org](mailto:iapmo@iapmo.org)
3. **\*Residential Construction Academy Plumbing Book**, Published by Thompson Delmar Learning, ISBN -1-4018-4891-5, Web site: [www.delmarlearning.com](http://www.delmarlearning.com)
4. **Mathematics for Plumbers and Pipe Fitters** (6<sup>th</sup> Edition) ISBN -1-4283-0461-4 or the new 7<sup>th</sup> Edition (either will work)
5. **Current Copy of the Idaho Code & Administrative Rules Pamphlet**. Students may print it at this site or call the Division of Building Safety for a copy. Website: [www.Dbs.idaho.gov](http://www.Dbs.idaho.gov)

**Interpretation and Application of the Uniform Plumbing Code and Idaho Statutes Title 54 - Chapter 26 – Plumbing and Plumbers**

74 Hours

- Administration and Idaho Title 54
- General Regulations
- Plumbing Fixtures and Fixture Fittings
- Water Supply and Distribution
- Sanitary Drainage
- Building Sewers
- Indirect Wastes
- Vents
- Traps

**Objectives:**

- Identify the Uniform Plumbing Code and Idaho Law administrative and enforcements rules
- Explain when the general regulations apply to various parts of the plumbing system (water, drainage, venting, etc.)
- Describe how plumbing fixtures are roughed-in and installed
- Perform water pipe sizing exercises
- Describe the code requirements for the installation of water supply and distribution systems (materials, joints, connections, sizing, etc)
- Describe the code requirements for the installation of drain and waste systems (materials, joints, connections, sizing, etc)
- Perform drain and waste pipe sizing exercises
- Describe the code requirements for the installation of public and private building sewers
- Identify and install an indirect waste system
- Describe the code requirements for the installation of the vent systems (materials, joints, connections, sizing, etc)
- Perform vent pipe sizing exercises
- Describe where traps are required in the plumbing system

### **Understanding Blueprint Drawings – 24 hours**

- Plumbing Symbols and Abbreviations
- Drain, Waste and Vent System Drawings
- Water Distribution System Drawings
- Drain, Waste and Vent System Material List
- Water Distribution System Material List

#### ***Objectives:***

- Identify the various plumbing symbols and abbreviations used on a blueprint drawing
- Given various residential blueprint drawings. The student will complete to minimum UPC standards the following:
  - Identify various parts of the plumbing system
  - Isometrically draw the drain, waste and vent system
  - Isometrically draw the water distribution system
  - Make a material list for the drain, waste and vent system
  - Make a material list for the water distribution system

### **Safety – 12 hours**

- Recognizing safe and unsafe working conditions in the work place environment

#### ***Objectives:***

- Given various job site situations, explain proper safety procedures

### **Math Applications – 18 hours**

- Review Area and Volume
- Elevation and Grade
- Pressure
- Standard Weight Pipe
- Allowances for Threaded, Copper and Plastic Fittings

- Equal Spacing
- Various Angles in Plumbing

***Objectives:***

- Calculate area for various geometric shapes
- Calculate water volumes, weights, and gallons for various geometric shapes
- Define Elevation and Benchmark
- Calculate Elevations
- Calculate pressure from height of water
- Recognize different pipe weights
- Calculate end-to-end and center-to-center measurements for threaded, copper and plastic fittings
- Compare the bend or fitting angle to a circle

**Lab – 40 hours** - For those schools with a lab, these hours may be completed entirely in a lab setting. For those who do not, the instructor should make every attempt to use a company's space & equipment or the instructors may explain through lecture and demonstration.

- Plumbing Fixtures
- Lav, Water Closet and Urinal Carriers
- Various plumbing systems

***Objectives:***

- Investigate the various parts of plumbing fixtures by disassembling and assembling
- Assemble and set fixtures on carriers
- Given a drawing, assemble various types of plumbing systems using ABS and PVC pipe and fittings (example: wet vents, island fixture vents, DWV systems, etc)

**Plumbing Apprenticeship  
Year 3**

Revised June 2011

College of Western Idaho

*in cooperation with*

Idaho State Division of Professional Technical Education

**Total Suggested Hours - 168**

Each of the following subjects may take more or less time than is shown, but a minimum of 144 hours is required.

**Suggested Materials:**

- 30/60/90 degree angle
- Calculator (Home Project Calc or one that will add feet & inches)
- Architect Ruler
- Metal Tape Measurer -any size

**Optional:** T – Square

**Suggested Textbooks:**

1. **\*Uniform Plumbing Code 2003 Illustrated Training Manual**, ISBN 1081-3802; Web site: <http://www.iapmo.org>; Email address: [iapmo@iapmo.org](mailto:iapmo@iapmo.org)
2. **Uniform Plumbing Code 2003 Loose Leaf**, ISBN 0733-2335; Web site: <http://www.iapmo.org>; Email address: [iapmo@iapmo.org](mailto:iapmo@iapmo.org)
3. **\*Mathematics for Plumbers and Pipe Fitters** (6<sup>th</sup> Edition) ISBN 1-4283-0461-4 or the new 7<sup>th</sup> Edition (either will work)
4. Current Copy of the **Idaho Code & Administrative Rules Pamphlet**. Students can print it from [www.Dbs.idaho.gov](http://www.Dbs.idaho.gov) or call the Idaho Division of Building Safety for a copy.

**Instructions:**

This outline is organized by subjects. Each subject should be broken down into lessons. It may be more effective if the instructor combines a portion of each subject area together into a lesson. For example, you might break a three hour lesson into three one-hour sections, one hour on Safety, one hour on Math, and one hour on Codes. The instructor should concentrate on the student achieving the basic objectives stated. Suggested methods of instruction are lectures, worksheets, water and drainage drawings, power point presentations, and lab activities. At the end of each lesson the student should be quizzed and/or graded on his knowledge.

**Interpretation and Application of the Uniform Plumbing Code and Idaho Statutes Title 54 - Chapter 26 – Plumbing and Plumbers - 60 Hours**

- Administration and Idaho Title 54
- General Regulations
- Plumbing Fixtures and Fixture Fittings
- Water Heaters
- Water Supply and Distribution
- Sanitary Drainage
- Building Sewers

- Indirect Wastes
- Vents
- Traps and Interceptors
- Storm Drainage
- Fuel Piping
- Fire Stop Protection

***Objectives:***

- Identify the Uniform Plumbing Code that pertain to the above list.
- Explain Idaho Law administrative and enforcements rules
- Explain when the general regulations apply to various parts of the plumbing system (water, drainage, venting, etc.)
- Describe how plumbing fixtures are roughed-in and installed
- Explain the rules governing installation of water heaters
- Perform water pipe sizing exercises
- Describe the code requirements for the installation of water supply and distribution systems (materials, joints, connections, sizing, etc)
- Explain when and what type of backflow prevention devices, assemblies, and methods are required
- Describe the code requirements for the installation of drain and waste systems (materials, joints, connections, sizing, etc)
- Perform drain and waste pipe sizing exercises
- Describe the code requirements for the installation of public and private building sewers
- Identify and install an indirect waste system
- Describe the code requirements for the installation of the vent systems (materials, joints, connections, sizing, etc)
- Perform vent pipe sizing exercises
- Describe where traps are required in the plumbing system
- Identify and install an interceptor
- Describe the code requirements for the installation of storm drainage systems (materials, joints, connections, sizing, etc)
- Perform storm drainage pipe sizing exercises
- Describe the code requirements for the installation of fuel pipe systems (materials, joints, connections, sizing, etc)
- Perform fuel pipe sizing exercises
- Explain the general requirements for fire stop protection

**Commercial Blueprint Reading (Fairmont Park Elementary) - 42 hours**

- Introduction to Commercial Blueprints
- Basic Plumbing Symbols and Abbreviations
- Spec Book relationship to the plan
- Plumbing Rough-in
- Plumbing Fixtures
- Coordinate with other construction trades on the job

***Objectives:***

- Understand the Different Illustrated Views of a building
- Understand Basic Plumbing Symbols and Abbreviations
- Describe how the Spec Book relates to the plan
- Identify the requirements necessary for the rough in of the drain, waste, and vent system, water supply and distribution system, gas piping system, etc.
- Identify the necessary requirements and locations to properly install the plumbing fixtures and plumbing appurtenances
- Identify the reasons for coordination of trades on the job site

**ADA Guidelines** - 8 hours

- ADA Guidelines related to plumbing

***Objectives:***

- Identify and describe the necessary requirements to plumb according to ADA standards

**Math Applications** - 18 Hours

- Jumper Offsets
- Offsets in Parallel
- Rolling Offsets
- Cast Iron Assemblies with Various Bends
- Review of Area and Volume

***Objectives:***

- Describe a jumper offset
- Determine center-to-center and end-to-end lengths for parallel offsets
- Visualize a rolling offset
- Calculate the travel for a rolling offset
- Solve for e-e lengths of cast iron pipe
- Calculate area, water volumes, weights, and gallons for various geometric shapes

**Lab** - 40 hours

For those schools with a lab, these hours may be completed entirely in a lab setting. For those who do not, the instructor should make every attempt to use a company's space & equipment or the instructors may explain through lecture and demonstration.

- ADA bathroom groupings
- Cast Iron No hub Rough-in

***Objectives:***

- Layout lavs, water closets, tubs, kitchen sinks according to ADA requirements
- Given various bathroom blueprint layouts – rough in using cast iron no hub pipe and fittings

**Plumbing Apprenticeship  
Year 4**

Revised June 2011

College of Western Idaho

*in cooperation with*

Idaho State Division of Professional Technical Education

**Total Suggested Hours - 168**

Each of the following subjects may take more or less time than is shown, but a minimum of 144 hours is required.

**Suggested Materials:**

- 30/60/90 degree angle
- Calculator (Home Project Calc or one that will add feet & inches)
- Architect Ruler
- Metal Tape Measurer -any size

**Optional:** T – Square

**Suggested Textbooks:**

1. **\*Uniform Plumbing Code 2003 Illustrated Training Manual**, ISBN 1081-3802; Web site: <http://www.iapmo.org>; Email address: [iapmo@iapmo.org](mailto:iapmo@iapmo.org)
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3. **\*Mathematics for Plumbers and Pipe Fitters** (6<sup>th</sup> Edition) ISBN 1-4283-0461-4 or the new 7<sup>th</sup> Edition (either will work)
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**Instructions:**

This outline is organized by subjects. Each subject should be broken down into lessons. It may be more effective if the instructor combines a portion of each subject area together into a lesson. For example, you might break a three hour lesson into three one-hour sections, one hour on Safety, one hour on Math, and one hour on Codes. The instructor should concentrate on the student achieving the basic objectives stated. Suggested methods of instruction are lectures, worksheets, water and drainage drawings, power point presentations, and lab activities. At the end of each lesson the student should be quizzed and/or graded on his knowledge.

**Interpretation and Application of the Uniform Plumbing Code and Idaho Statutes Title 54, Chapter 26: Plumbing and Plumbers – 123 hours**

- Administration and Idaho Title 54
- General Regulations
- Plumbing Fixtures and Fixture Fittings
- Water Heaters

- Water Supply and Distribution
- Sanitary Drainage
- Building Sewers
- Indirect Wastes
- Vents
- Traps and Interceptors
- Storm Drainage
- Fuel Piping
- Fire Stop Protection

***Objectives:***

- Identify the codes pertaining to the above list from the Uniform Plumbing Code
- Describe Idaho Law administrative and enforcements rules
- Explain when the general regulations apply to various parts of the plumbing system (water, drainage, venting, etc.)
- Describe how plumbing fixtures are roughed-in and installed
- Explain the rules governing installation of water heaters
- Perform water pipe sizing exercises
- Describe the code requirements for the installation of water supply and distribution systems (materials, joints, connections, sizing, etc)
- Explain when and what type of backflow prevention devices, assemblies, and methods are required
- Describe the code requirements for the installation of drain and waste systems (materials, joints, connections, sizing, etc)
- Perform drain and waste pipe sizing exercises
- Describe the code requirements for the installation of public and private building sewers
- Identify and install an indirect waste system in a lab. \*See below.
- Describe the code requirements for the installation of the vent systems (materials, joints, connections, sizing, etc)
- Perform vent pipe sizing exercises
- Describe where traps are required in the plumbing system
- Identify and install an interceptor in a lab. \*See Below.
- Describe the code requirements for the installation of storm drainage systems (materials, joints, connections, sizing, etc)
- Perform storm drainage pipe sizing exercises
- Describe the code requirements for the installation of fuel pipe systems (materials, joints, connections, sizing, etc)
- Perform fuel pipe sizing exercises
- Explain the general requirements for fire stop protection

**Isometric Drawings and Material Lists – 21 hours**

- Drain, Waste and Vent System Drawing
- Water Distribution System Drawing
- Drain, Waste and Vent System Material List
- Water Distribution System Material List
- Trim Material List

***Objectives:***

- Given a set of residential blueprint drawings (example: residence on plumbing street). The student will complete to minimum UPC standards the following:
  - Isometrically draw the drain, waste and vent system
  - Isometrically draw the water distribution system
  - Create a material list for the drain, waste and vent system
  - Create a material list for the water distribution system
  - Create a material list of the plumbing fixtures and trim

**Safety – 6 hours**

- Recognizing safe and unsafe working conditions in the work place environment

***Objectives:***

- Give examples of direct and indirect costs of workplace accidents
- Identify safety hazards of the construction industry

**Math Applications – 18 hours**

- Area
- Volume
- Pressures

***Objectives:***

- Calculate area for various geometric shapes
- Calculate water volumes, weights, and gallons for various geometric shapes
- Calculate pressure from height of water

**\*Lab** - For those schools with a lab, these hours may be completed entirely in a lab. For those who do not, the instructor should make every attempt to use a company's space & equipment or the instructors may explain through lecture and demonstration.

# IDAHO PLUMBING BOARD

## Agenda Item No. 11                      Commercial Plumbing – Idaho Code § 54-2602

**PRESENTER:**            John Nielsen

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**OBJECTIVE:**            To determine if the intent of Idaho Code § 54-2602 (e) is to allow an employer who regularly employs maintenance or construction plumbers to do any plumbing, as it is written, or if the intent is for repairs and replacements only.

---

**ACTION:**                Informational

---

**BACKGROUND:**        This topic was brought before the Board by the Plumbing Program Manager at the May 2011 Board meeting.

---

**PROCEDURAL  
HISTORY:**

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**ATTACHMENTS:**    Idaho Code § 54-2602 “Exceptions”

---



#### **54-2602 Exceptions:**

(e) Work on plumbing systems on premises owned or operated by an employer who regularly employs maintenance or construction plumbers, provided that alterations, extensions and new construction shall comply with the minimum standards and rules applicable to plumbing practices provided by this chapter.

#### **Possible revision:**

(e) Work on plumbing systems on premises owned or operated by an employer who regularly employs maintenance or construction plumbers performing alterations, repairs, or replacements, provided that such alterations, ~~extensions and new construction~~ repairs or replacements, shall comply with the minimum standards and rules applicable to plumbing practices provided by this chapter.

# IDAHO PLUMBING BOARD

**Agenda Item No. 12**

**Plumbing Program Manager Report**

**PRESENTER:** John Nielsen

---

**OBJECTIVE:** To update the Board on the Plumbing Program's current activities.

---

**ACTION:** Informational

---

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

---

**PROCEDURAL  
HISTORY:**

---

**ATTACHMENTS:** No documentation

---



# IDAHO PLUMBING BOARD

**Agenda Item No. 13**

**Operational Report**

**PRESENTER:** Steve Keys

---

**OBJECTIVE:** To update the Board on the operations of the Plumbing Program and Division.

---

**ACTION:** Informational

---

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

---

**PROCEDURAL HISTORY:**

---

**ATTACHMENTS:** No documentation

---



# IDAHO PLUMBING BOARD

**Agenda Item No. 14a**

**Financial Report**

**PRESENTER:** C. Kelly Pearce and Kirk Weiskircher

---

**OBJECTIVE:** To review the Idaho Plumbing Board's Financial Report.

---

**ACTION:** Informational

---

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

---

**PROCEDURAL  
HISTORY:**

---

**ATTACHMENTS:** Idaho Plumbing Board's Financial Report

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**Division of Building Safety**  
 IDAHO PLUMBING BOARD FUND  
 Fiscal Year 2011 Financial Statements  
 As of 5/31/2011

Statement of Revenues and Expenditures

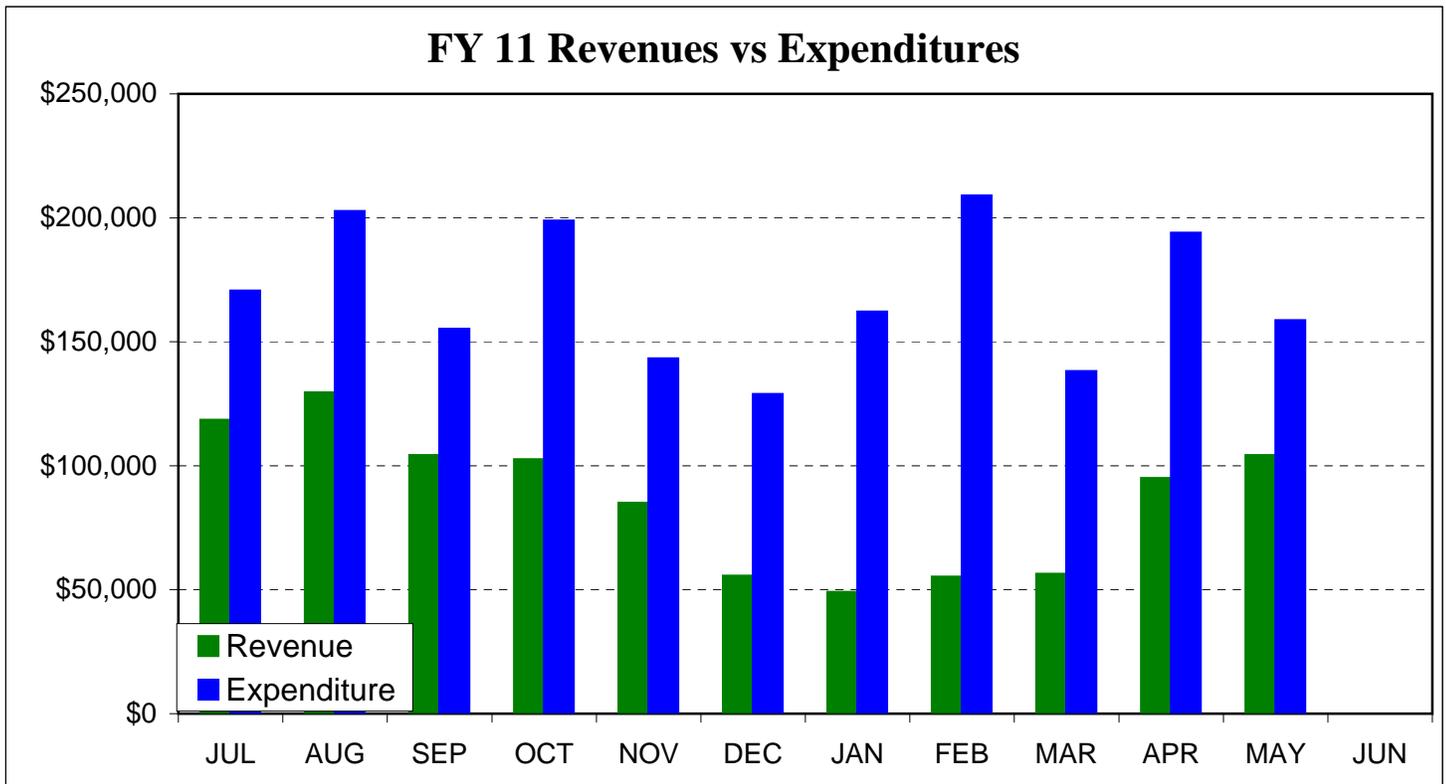
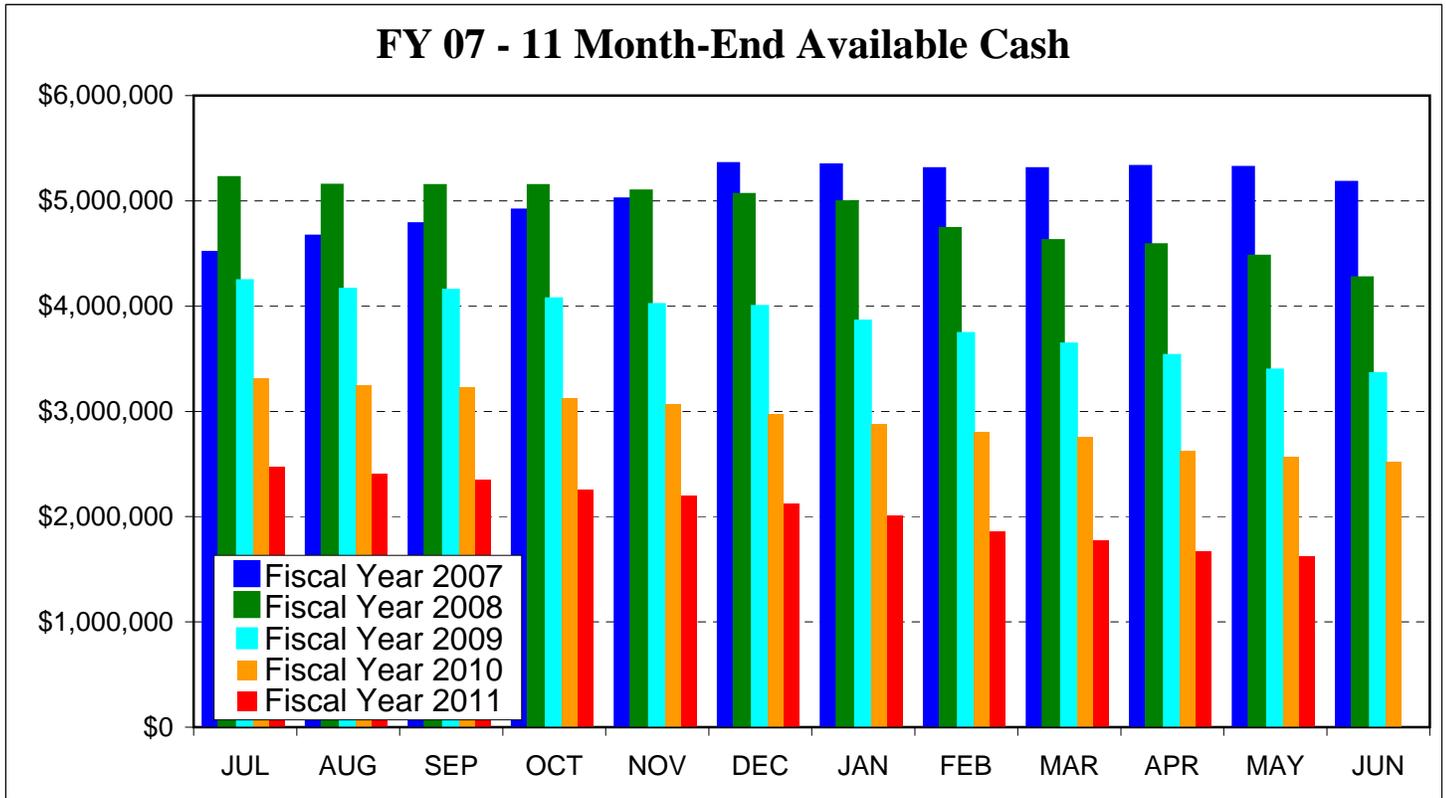
Class	Budget	Fiscal Year To Date	YTD as a % of Budget *	Remaining Budget	Projected for Remainder of Projected Year	Projected Year End Totals	Projected Total as a % of Budget
Revenues:	1,200,000	954,885	79.6%	245,115	113,000	1,067,885	89.0%
Expenditures							
Personnel:	1,600,000	1,363,325	85.2%	236,675	111,300	1,474,625	92.2%
Operating:	395,000	468,257	118.5%	(73,257)	28,000	496,257	125.6%
Capital:	45,000	29,324	65.2%	15,676	20,000	49,324	109.6%
Total Expenditures	2,040,000	1,860,906	91.2%	179,094	159,300	2,020,206	99.0%
Net for FY 2011	(840,000)	(906,021)			(46,300)	(952,321)	

Statement of Cash Balance

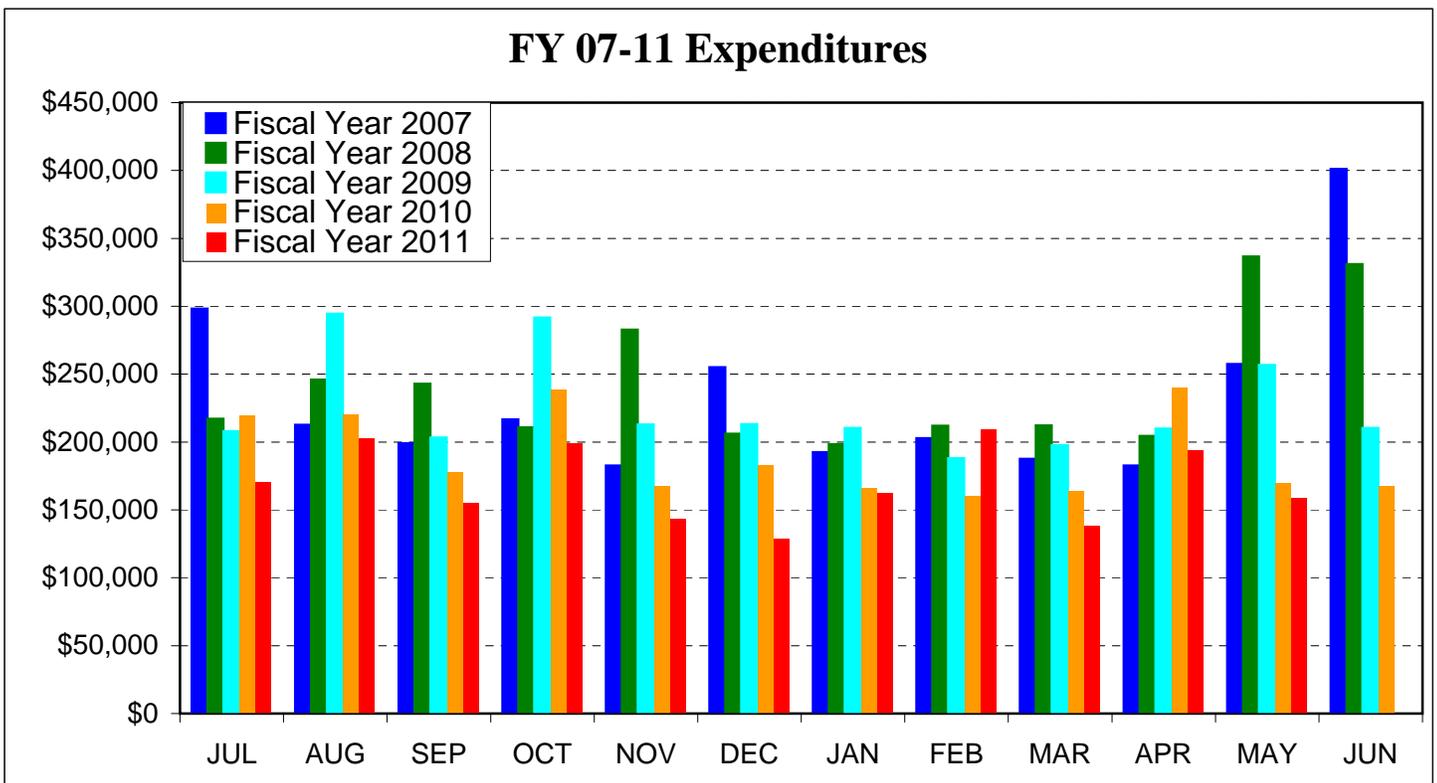
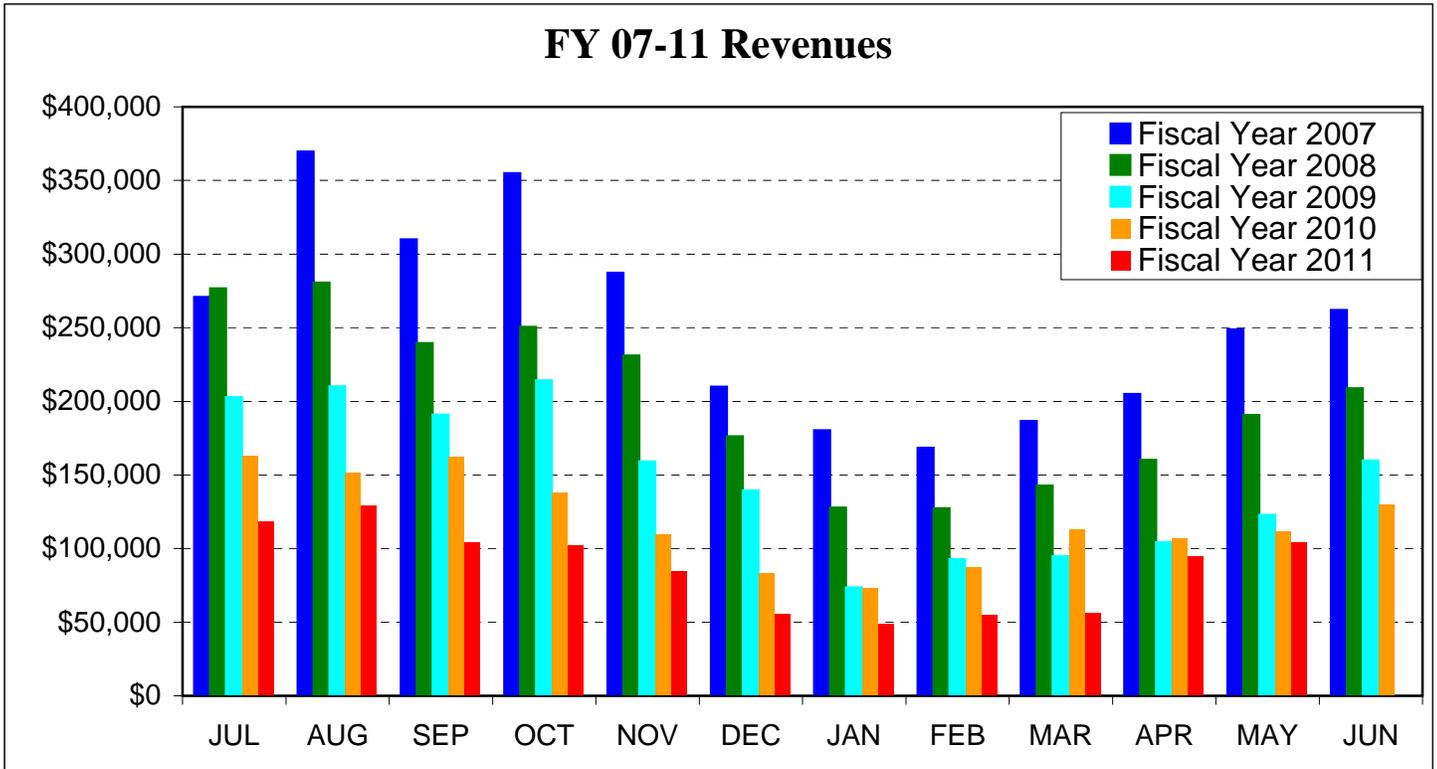
Beginning Cash Available	Revenues	Expenditures and Encumbrances	Other Changes in Cash	Available Cash	Projected Change in Cash for Remainder of Year	Projected Year End Available Cash
2,520,556	954,885	(1,860,906)	3,104	1,617,639	(46,300)	1,571,339

\* Percent of Fiscal Year Completed      91.7%  
 Percent of Pay Periods Completed      92.3%

# IDAHO PLUMBING BOARD FUND



# IDAHO PLUMBING BOARD FUND



# IDAHO PLUMBING BOARD

**Agenda Item No. 14b**

**Administrator**

**PRESENTER:** C. Kelly Pearce

---

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

---

**ACTION:** Informational

---

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

---

**PROCEDURAL  
HISTORY:**

---

**ATTACHMENTS:** No documentation

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