



June 2015 | HEADLINES

- » [ASSE International Calls for Scald Awareness Task Group Members](#)
- » [IAPMO R&T Participates in Inaugural Water Technology and Funding Summit](#)
- » [New Construction Starts in April Advance 10 Percent](#)
- » [IAPMO's Uniform Evaluation Service Issues ER-289 to Foundation Supportworks, Inc.](#)
- » [PHCC Voices Deep Concerns About EPA's Proposed Clean Water Rule](#)
- » [Emerson Climate Technologies Constructing Model Home Inside Research Center To Study Comfort Innovations](#)
- » [California State Water Board Announces DROPS Program](#)

»

Other Headlines:

- [Greywater Gains Popularity to Deal with California Drought](#)
- [Energy Department Announces \\$32 Million to Boost Solar Workforce Training, Drive Solar Energy Innovation](#)
- [Efficiency Requirements of New Energy Law Could Help HVAC Industry Financially](#)
- [Dr. John Spengler to Receive ASHRAE'S 2015 Environmental Health Award](#)
- [Herb Kohler steps down as Kohler CEO](#)

- » [Industry Calendar | Upcoming Seminars](#)

ASSE International Calls for Scald Awareness Task Group Members

ASSE International's Board of Directors has voted to re-form the ASSE Scald Awareness Task Group to develop a white paper concerning proper and improper applications of temperature limiting devices within ASSE's portfolio of product performance standards. This white paper will follow the Task Group's three previous publications, "Scald Hazards Associated with Low-Flow Showerheads," "Understanding Potential Water Heater Scald Hazards," and "Adjustment of Automatic Compensating Valves to Prevent Potential Scald Hazards."

"It has been brought to the attention of ASSE International that there are many misapplications of temperature limiting devices and many questions about proper usage among the industry — especially among our plumbing inspector community," said ASSE International Executive Director Scott Hamilton. "The Task Group's assignment will be to develop a white paper that clearly explains where each ASSE temperature limiting device should be used and create an understandable reference tool that everyone in the plumbing industry can use."

CONTACT US

International Association
of Plumbing and Mechanical
Officials

4755 E. Philadelphia St.
Ontario, CA 91761 USA
Phone: 1-909-472-4100

Fax: 909-472-4150

E-mail: iapmo@iapmo.org
Website: www.iapmo.org

IAPMO's Codes & Services
Department toll-free phone number:
1-800-85-IAPMO
1(800-854-2766)
Publications - ext 1
Education/Seminars - ext 2
Inspector & Contractor
Certification - ext 3
Code Development
Questions - ext 4
Code Questions - ext 5
Membership - ext 6

Become a fan of IAPMO:



Check out IAPMO videos



OFFICIAL MAGAZINE

The temperature limiting device product performance standards that will be addressed in this white paper include: ASSE 1016-2011/ASME A112.1016-2011/CSA B125.16-11, Performance Requirements for Automatic Compensating Valves for Individual Showers and Tub/Shower Combinations; ASSE 1017-2009, Performance Requirements for Temperature Actuated Mixing Valves for Hot Water Distribution Systems; ASSE 1069-2005, Performance Requirements for Automatic Temperature Control Mixing Valves; and ASSE 1070 - 2004, Performance Requirements for Water Temperature Limiting Devices.

All committee work for this paper will be conducted via conference call — no face-to-face meetings are anticipated. The first conference call will be held in late August or early September.

All who are interested in volunteering for the ASSE Scald Awareness Task Group must complete a working group application, which can be downloaded online at <http://goo.gl/NRYTRV>. Applications must be completed and emailed to Scald Awareness Task Group Chairperson Richard J. Prospal at rjprospal@asse-plumbing.org no later than July 10.

[<Return to top>](#)



IAPMO R&T Participates in Inaugural Water Technology and Funding Summit

IAPMO R&T, North America's premier third party testing and certification body for plumbing, mechanical and water treatment products, recently participated in the inaugural Water Technology and Funding Summit at the Hilton Hotel in Pasadena, Calif. IAPMO R&T joined a diverse panel of experts representing universities, government, science, industry, and finance to address the critical issues of water scarcity, climate change, regulations, and failing infrastructure.

Held against the backdrop of California's serious drought, the day-long summit featured presentations and panel discussions intended to not only shed light on troubling water issues, but discuss how new technologies and innovation might provide solutions toward water conservation and sustainability.

In addition to IAPMO R&T, speakers and moderators represented such organizations and institutions as NASA JPL, Caltech's Resnick Sustainability Institute, USC, UCLA, Cal State University Santa Barbara, Metropolitan Water District, LADWP, State Water Resources Control Board, Best Best & Krieger, Burns & McDonnell Engineering, Cordoba Corporation, San Marino Venture Group, Grundfos, Waste Water Management Inc., HDR Inc., Blacoh Fluid Control Inc., KRE Consultants, GardaWorld, Pumps & Systems Magazine, and AWWA.

"We were pleased to participate in the summit because IAPMO R&T understands the importance of keeping current on industry relations pertaining to water, especially plumbing applications that may affect the public's health and safety," said Brenda Madonna, IAPMO R&T's Global Sales manager.

The event stressed that every living thing on Earth is impacted by water and as its chief steward mankind is responsible for its conservation and safety. To that end, a dramatic



NOW AVAILABLE ONLINE!

A subscription to Official is just one of the many benefits available to members of IAPMO, which include substantial discounts on most IAPMO publications and educational programs, the opportunity to update and improve the UPC and UMC, participation in local IAPMO chapters and an invitation to attend IAPMO's Annual Education and Business Conference. The conference offers superb educational seminars. Find out more at www.iapmo.org.

BPPS MAGAZINE



Backflow Prevention & Plumbing Standards (BPPS) magazine is the only monthly trade publication dedicated to the backflow prevention and plumbing industries. BPPS is specifically designed to address each of our audiences - including contractors, plumbers, sprinkler fitters, irrigation personnel, backflow prevention assembly installers and testers, water utilities, water operators, inspectors and manufacturers - in each and every issue.

Subscribe today: 703-915-9138

Personnel certification and

shift in that conservation is long overdue argued the event's organizer, Andrew Yeghnazar, co-founder of Water Technology Hub.

"We have seen disruptions take place in the world of communications, renewable energy, oil and gas exploration, and 3D printing," he said. "It's time for this to happen to water."

Water Technology Hub is a global exchange for the ideas, innovations and emerging technologies that will lead to the type of disruptive collaboration needed to solve the worldwide water shortage.

For details about IAPMO R&T's contributions to water conservation and safety, contact Brenda Madonna (brenda.madonna@iapmormt.org) at (909) 472-4100, or visit www.iapmormt.org.

[<Return to top>](#)

New Construction Starts in April Advance 10 Percent

The value of new construction starts in April increased 10% from the previous month to a seasonally adjusted annual rate of \$698.7 billion, according to Dodge Data & Analytics. The nonresidential building sector came in particularly strong, lifted by the inclusion of two massive projects as April starts — an \$8.1 billion petrochemical plant in Louisiana and a \$1.2 billion office/retail high-rise in New York NY. Meanwhile, residential building slipped in April, and non-building construction lost momentum as the result of a pullback by public works. Through the first four months of 2015, total construction starts on an unadjusted basis were reported at \$208.2 billion, up 24% from the same period a year ago. The current year has so far witnessed the start of eight massive projects valued each in excess of \$1 billion, compared to four such projects during the corresponding period of 2014. Excluding projects in excess of \$1 billion, the result for total construction starts would be a 3% decline in April on a seasonally adjusted basis compared to March, and a 10% gain during the first four months of 2015 on a raw (unadjusted) basis compared to last year.

The April statistics raised the Dodge Index to 148 (2000=100), compared to 134 in March. For the full year 2014 the Dodge Index averaged 124. "The presence of unusually large projects in early 2015, particularly several liquefied natural gas (LNG) terminals and several petrochemical plants, has elevated the level of activity shown by total construction starts beyond the underlying trend," stated Robert A. Murray, chief economist for Dodge Data & Analytics. "It's also increased the volatility on a month-to-month basis, with total construction up 16% in February, down 13% in March, and now up 10% in April. Despite these wide swings on a monthly basis, it's still possible to identify several aspects of how the construction expansion is proceeding in 2015. For nonresidential building, the upturn is broadening in scope, with its institutional segment continuing the upward movement established in 2014. For residential building, single family housing has shown some improvement yet remains hesitant, while multifamily housing is generally proceeding at a healthy clip. For non-building construction, the electric power and gas plant segment has provided a substantial near term boost that will soon recede, while public works is beginning to face constraints after surprisingly resilient activity in early 2015."

Read the full report at <http://construction.com/about-us/press/New-Construction-Starts-in-April-Advance-10-Percent.asp>

[<Return to top>](#)

IAPMO's Uniform Evaluation Service Issues ER-289 to Foundation

education: 800-SAVE-H2O
(800-728-3426)



The 2015 Uniform Plumbing and Mechanical Code books are available for sale! Call us today at 1-800-85-IAPMO or visit iapmomembership.org.



Click here to become a GreenPlumber

Certification Shows Your Expertise



UPC Journey Level Plumber
UMC Journey Level Mechanical
UPC Master Level Plumber
UMC Master Level Mechanical
Accessibility Inspector
UPC Plumbing Inspector
UMC Mechanical Inspector
California Plumbing Inspector
California Mechanical Inspector
Minnesota Plumbing Inspector
Plumbing Plans Examiner
Mechanical Plans Examiner



Certification Sets You Apart

Supportworks, Inc

IAPMO's Uniform Evaluation Service (UES) is pleased to announce that Nebraska-based Foundation Supportworks, Inc. (FSI) was granted UES Evaluation Report ER-289 to reference the 2015, 2012, and 2009 editions of the International Building Code® (IBC). ER-289 states that FSI's PP288 Push Pier System, as shown in the report, satisfies applicable code requirements. This allows for the specification of the PP288 Push Pier System by architects, contractors, specifiers, and designers, and approval of installations by code officials. It also provides code officials with a concise summary of the products' attributes and documentation of code compliance.

Products recognized with an IAPMO UES Evaluation Report have successfully undergone evaluation based on applicable requirements within the Uniform Family of Codes and the International Family of Codes, as well as codes published by other entities. UES staff thoroughly examined FSI's product information, test reports, calculations, quality control methods, and other factors to determine the products are code compliant.

"The issuance of ER-289 is very significant for Foundation Supportworks and for our industry as a whole," said Kyle Olson, PE, senior structural engineer. "UES provides industry leading technical reviews combined with great customer service. FSI finds UES' timeliness and quality of service refreshing and we highly recommend them."

The UES program is built upon IAPMO's more than 70 years of experience in evaluating products for code compliance. Accredited by the American National Standards Institute (ANSI), the program operates under ISO/IEC Guide 65, "General Requirements for Bodies Operating Product Certification Systems." UES Director Richard Beck, PE, CBO, MCP, explains why Uniform Evaluation Reports are so valuable:

"Foundation Supportworks, Inc. can now reference its ER-289 for their PP288 Push Pier System to ensure that code officials quickly have the information required for their decision on approval. Our program also stands out because of stellar customer service and the utilization of in-house staff along with the technical expertise of professional engineering firms, who are leaders in each area of recognition."

IAPMO's UES offers a full range of recognition opportunities, including recognition for the applicable national model codes, as well as Florida, California, and various other state codes. By combining all of these recognitions into one concise report, prepared by an internationally recognized product certification body, the UES program reduces cost and increases value.

[<Return to top>](#)

PHCC Voices Deep Concerns About EPA's Proposed Clean Water Rule

In response to the Clean Water Act Rule finalized May 27 by the Environmental Protection Agency (EPA) and the U.S. Army, the Plumbing-Heating-Cooling Contractors-National Association (PHCC) expressed deep concerns about the rule's anticipated content and about the flawed regulatory process behind it.

PHCC and other groups in the construction arena have been particularly vocal about the rule, which aims to more precisely define waters protected under the Clean Water Act. The groups are concerned that this expanded federal jurisdiction could negatively affect construction projects. Last year, PHCC and other industry representatives submitted comments to EPA requesting that the rule be withdrawn. Just this month, the U.S. House of Representatives passed PHCC-supported legislation requiring EPA to withdraw its rule.

ISO 9001
CERTIFICATION



Click to
request a
brochure



Looking for the
perfect job?



It's fast and easy
with the

IAPMO
CareerCenter

Click to post or find a job

ISO
TRAINING



Click to
reserve
your seat



WATER FOR LIFE
2005-2015

"This is a prime example of the power and danger of the regulatory process," PHCC National President Kevin Tindall said of EPA's move. "And, as we head into summer and closer to an election year, we'll see more and more of these types of actions that are outside of the legislative process," he warned PHCC members.

"While PHCC wholeheartedly supports the protection of our nation's water and land resources, we are concerned that this proposed rule is shortsighted," Tindall added. "Now that the rule has been finalized, we'll be working with other organizations and associations to thoroughly analyze it and move to protect the interests of our members."

Upon the completion of PHCC's analysis, members will receive details on how the rule will impact members and the industry.

[<Return to top>](#)

Emerson Climate Technologies Constructing Model Home Inside Research Center To Study Comfort Innovations

Source: www.emersonclimate.com

Home is one of five modules under construction inside The Helix Innovation Center on the University of Dayton campus

A new 2,000-square-foot, two-story home is being built inside The Helix innovation center by Emerson Climate Technologies, a business segment of Emerson (NYSE: EMR). The "home inside a building" will serve as a working laboratory, enabling faster testing of the company's future innovations in comfort, energy savings and connected home concepts. The residential connected home module, which will feature ambient controls to simulate a range of below-freezing to hot, humid weather conditions, is being constructed by Emerson as one of five modules within The Helix innovation center on the University of Dayton campus.

"We will be evaluating comfort and energy savings from every angle," said Hung Pham, director of integrated technologies at Emerson Climate Technologies Air Conditioning business. "This home module in The Helix will allow us to change refrigerant, HVAC systems, airflow and weather to help evaluate impact on human comfort and health from the standpoint of air conditioning, heating, indoor air quality, humidity, noise, lighting and other factors."

Emerson's residential module will be a fully functioning and furnished home with technologies and instrumentation in place to research the comfort and energy savings performance of these systems as well as connected home technologies. It will feature three bedrooms, a family room, one-and-a-half bathrooms, a kitchen with appliances, a laundry room, water heater, home audio, home theater, and security, plus an attic, roof and crawl space. Emerson's residential connected home module will contain various heating and air conditioning system types, with the ability to be easily adapted to test others. To support work on efficiency improvements, the home and HVAC systems will have separate meters to measure energy consumption.

"Consumer demands for comfort, connectivity, energy savings and environmentally-friendly features are shaping the future of this industry, while we also need to think about current and future regulatory requirements," Pham said. "Emerson's collaborative research with our OEM customers and other channel partners in this residential connected home module will focus on identifying current unmet needs, developing innovations for tomorrow's needs, and improving the performance of our technology in existing applications."



About The Helix Innovation Center

The residential connected home is one of five modules currently under construction at The Helix innovation center, a nearly 40,000-square-foot facility on the University of Dayton campus. Emerson's \$35 million total investment in The Helix will foster an ambitious, collaborative approach to conducting research to create new technologies that address heating, ventilation, air conditioning and refrigeration (HVACR) industry challenges.

When completed, The Helix innovation center will employ about 35 people and focus on five HVACR industry markets: supermarket refrigeration, food service operations, residential connected homes, data center cooling and light commercial buildings.

Emerson plans for The Helix to be a global hub of HVACR industry education. In addition to the five modules, the facility includes three learning labs and the company plans to host industry meetings and hold forums for HVACR professionals on-site.

[<Return to top>](#)

California State Water Board Announces DROPS Program

Awards \$30 Million to Schools to Promote Stormwater Capture

The California State Water Resources Control Board announced 30 school districts and institutions throughout California will receive more than \$30 million in funds to educate students and create on-campus projects relating to stormwater capture and water conservation.

State Water Board Vice Chair Frances Spivy-Weber presented the Los Angeles Unified School District (LAUSD) with its grant award of \$5 million Friday morning at Victory Boulevard Elementary School in North Hollywood. In front of school and district administrators, as well as students and parents groups, Spivy-Weber praised the [Drought Response Outreach Program for Schools'](#) (DROPS) focus and the 30 educational institutions who were awarded the grants.

"With a fourth year of record-setting drought, programs such as DROPS play an important role in educating our young folks about the different ways we can conserve water, especially with our current drought conditions," Spivy-Weber said. "Students will get to see first-hand how stormwater capture systems work right on their campuses. They'll also be taught the importance of conservation and how they can be good stewards of one of our most precious resources. Our goal with this effort is for students to take this information home and share it with their families, creating entire water-wise households. As we continue to deal with the current drought and the growing effects of climate change, educating our youth about conservation now is a high priority."

"The district is extremely grateful for these grants and the opportunity to lead in the development of stormwater capture features for schools and to begin the implementation and development of an effective water resource sustainability curriculum," LAUSD Director of Maintenance and Operations Roger Finstad said.

DROPS was developed in response to Governor Edmund G. Brown Jr.'s Drought State of Emergency issued on Jan. 17, 2014 to provide funds to schools and school districts for projects that are designed to reduce stormwater pollution and provide multiple benefits, including water conservation, water supply augmentation, energy savings, increased awareness of water resource sustainability and reduced dry-weather runoff. Project examples include: vegetated swales; stormwater planters; pervious paving; rainwater harvesting and water-wise landscaping to name a few.

The State Water Board received 49 applications by the Jan. 15, 2015, submittal deadline with the total funding for the 30 approved projects coming in at \$30,320,389. All projects are required to be completed by March 31, 2019.

For more details, visit <http://ca.gov/drought/news/story-97.html>.

[<Return to top>](#)

Other Headlines:

Greywater Gains Popularity to Deal with California Drought

As the drought in California continues with no end in sight, greywater is gaining popularity according to ksby.com.

Read more: www.ksby.com/story/29026770/greywater-gains-popularity-locally-to-deal-with-drought

Energy Department Announces \$32 Million to Boost Solar Workforce Training, Drive Solar Energy Innovation

The Energy Department announced \$32 million in funding to help train American workers for the solar energy workforce and to further drive down the cost of solar by developing innovative low-cost concentrating solar power collectors and increasing access to critical solar data.

Read more: energy.gov/articles/energy-department-announces-32-million-boost-solar-workforce-training-drive-solar-energy

Efficiency Requirements of New Energy Law Could Help HVAC Industry Financially

According to HIS Technology, the bad public relations which could arise from the disclosure of energy consumption could force buildings to upgrade old and inefficient HVAC equipment at a faster rate. For example, in the United States nonresidential retrofit market, IHS forecasted total units of air conditioners to grow from 475 thousand in 2014 to 513 thousand in 2017, a compound annual growth rate (CAGR) of 2.6%. With public pressure being an additional driving force behind replacement of inefficient air conditioning units, the CAGR could reach closer to 5.0%.

Read more: technology.ihs.com/529760/energy-efficiency-improvement-act-of-2015-could-help-hvac-market

Dr. John Spengler to Receive ASHRAE'S 2015 Environmental Health Award

Dr. John D. Spengler, co-founder and Principal of Environmental Health & Engineering (EH&E), a leading provider of environmental and engineering consulting services, and Director of the [Center for Health and the Global Environment](#), and [Professor of Environmental Health](#) at the Harvard T.H. Chan School of Public Health, will receive the 2015 Environmental Health Award from the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE).

Read more:

www.iapmonline.org/Documents/archive/20150602_John_Spengler_ASHRAE.aspx

Herb Kohler steps down as Kohler CEO

Herbert V. Kohler Jr. is relinquishing the title of chief executive officer of the Kohler Co. to his son, company president David Kohler, the company announced.

Read more: www.iapmonline.org/Documents/archive/20150518_Kohler_CEO.aspx

[<Return to top>](#)

You will continue to receive the I-Connection Newsletter each month until such time as you unsubscribe. To make sure the I-Connection Newsletter is not sent to your bulk or junk mail folders, add news@iapmo.org to your address book. We encourage you to forward the I-Connection Newsletter to your colleagues. Requests for new subscriptions, change of e-mail address, or to have your address removed from our list should be sent to news@iapmo.org. IAPMO does not knowingly participate in SPAM. We do not sell, rent or trade the names on our e-mail list; your e-mail address is only used to send messages from IAPMO. If you wish to be removed from this list, follow the link below and enter your e-mail address to be deleted.

Unsubscribe from the I-Connection Electronic Newsletter

Industry Calendar

86th Annual Education and Business Conference
Sept. 27 - Oct. 1, 2015
Las Vegas, NV
www.iapmo.org

2015 ASPE Technical Symposium
October 1 - 4, 2015
St. Louis, MO
www.aspe.org/2015-ts-home-page

WaterSmart Innovations Conference and Exposition
October 7 - 9, 2015
Las Vegas, NV
www.watersmartinnovations.com

ASSE Annual Meeting
November 3 - 7, 2015
Phoenix, AZ
www.asse-plumbing.org/

Upcoming Seminars

Earn your Continuing Education with IAPMO training.

| ALASKA SEMINARS | | |
|--|--------------------|---|
| July 14, 2015 | Juneau, AK | 2012 IMC Code Update Workshop - Alaska |
| July 15, 2015 | Juneau, AK | 2012 UPC Code Update Workshop - Alaska |
| ARIZONA SEMINARS | | |
| July 27-31, 2015 | Phoenix, AZ | Backflow Prevention Assembly Tester 40 hr Course and Exam |
| July 31, 2015 | Phoenix, AZ | Cross Connection Control Recertification - 8 hr Course and Exam |
| August 10-14, 2015 | Phoenix, AZ | Backflow Prevention Assembly Tester 40 hr Course and Exam |
| August 14, 2015 | Phoenix, AZ | Cross Connection Control Recertification - 8 hr Course and Exam |
| CALIFORNIA SEMINARS | | |
| July 15, 2015 | San Diego, CA | UPC Sizing Workshop |
| Aug. 31 - Sept. 4, 2015 | Ontario, CA | Backflow Prevention Assembly Tester 40 hr Course and Exam |
| September 4, 2015 | Ontario, CA | Cross Connection Control Recertification - 8 hr Course and Exam |
| October 7, 2015 | San Diego, CA | 2012 UPC Residential and Commercial Inspection |
| COLORADO SEMINARS | | |
| July 13-17, 2015 | Brighton, CO | Backflow Prevention Assembly Tester 40 hr course and Exam |
| July 18, 2015 | Brighton, CO | Cross Connection Control Recertification - 8 hr Course and Exam |
| August 17-21, 2015 | Grand Junction, CO | Backflow Prevention Assembly Tester 40 hr course and Exam |
| August 21, 2015 | Grand Junction, CO | Cross Connection Control Recertification - 8 hr Course and Exam |
| LOUISIANA SEMINARS | | |
| July 14-16, 2015 | Lake Charles, LA | Cross-Connection Control Surveyor (ASSE 5120) Class |
| MAINE SEMINARS | | |
| June 8-12, 2015 | Augusta, ME | Backflow Prevention Assembly Tester 40 hr Course and Exam |
| MASSACHUSETTS SEMINARS | | |
| Session 7 Training now available - click here for schedule | | |

MINNESOTA SEMINARS

| | | |
|--------------------|----------------|--|
| June 22-26, 2015 | Elk River, MN | ASSE 5110 Backflow Tester Class 40 hours |
| June 22-25, 2015 | Elk River, MN | Minnesota Rebuilder Certification to ASSE 5110 Tester and ASSE 5130 Repairer Certification |
| June 22-24, 2015 | Elk River, MN | Minnesota Tester to ASSE 5110 Tester Certification |
| June 29, 2015 | Anoka, MN | 2012 UPC Code Update Workshop |
| August 10-14, 2015 | Elbow Lake, MN | ASSE 5110 Backflow Tester Class 40 hours |
| August 10-13, 2015 | Elbow Lake, MN | Minnesota Rebuilder Certification to ASSE 5110 Tester and ASSE 5130 Repairer Certification |
| August 10-12, 2015 | Elbow Lake, MN | Minnesota Tester to ASSE 5110 Tester Certification |

PENNSYLVANIA SEMINARS

| | | |
|------------------|--------------|---|
| June 15-19, 2015 | Scranton, PA | Backflow Prevention Assembly Tester 40 hr Course and Exam |
| June 19, 2015 | Scranton, PA | Cross Connection Control Recertification - 8 hr Course and Exam |

IAPMO is an approved provider for Continuing Education by USGBC, IACET, AIA and many local organizations and jurisdictions. Contact the IAPMO Training staff to register at 1-877-427-6601, or go to our website <http://www.iapmo.org/Pages/Seminar.aspx> to register online. New training dates are added periodically!

| | | |
|---|---|--|
|  |  |  |
|---|---|--|

