



June 2016 | HEADLINES

- » IAPMO Celebrates 90 Years of Promoting Health and Safety
- » IAPMO, Indonesian Officials Work to Bring Nation's National Standard for Plumbing from Classroom to Real World
- » PT IAPMO Group Indonesia Opens Laboratory and Certification Office in Bekasi, Jawa Bara
- » New Construction Starts in April Slide 8 Percent
- » IAPMO Joins WorldSkills as a Global Industry Partner
- » World Youth Skills Day is Being Celebrated on July 15 2016
- » Officials In Boston Still Working On Removing Lead From Schools
- » Deadline Approaching to Submit Proposals for 2018 Solar, Swimming Codes
- » New York High School Student Receives Prestigious Award for Developing Clean Drinking Water Project
- » High Performance Building Week: Challenges and Solutions for Improving Resiliency, Workforce Development, Energy and Water Efficiency June 13 – 17, 2016
- » Training & Industry Calendar

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OFFICIAL MAGAZINE

IAPMO Celebrates 90 Years of Promoting Health and Safety

Many of us do our best work only after we've had a strong cup of coffee. That's certainly true in the case of IAPMO.

Formally founded 90 years ago today as the Los Angeles City Plumbing Inspectors Association, IAPMO – and the global influence it represents – owes its existence to a group of plumbing inspectors who got to talking during a coffee break in 1926. After satisfying their caffeine fix, these 39 city workers concluded that forming an association to deal with the city's plumbing issues would be beneficial. Would they believe just how beneficial their brainchild has grown to be? The cornerstone of their work, the *Uniform Plumbing Code (UPC®)*, now protects the health and safety of roughly half the Earth's 7.1 billion people.

Undergoing numerous name changes that reflected its steadily expanding influence – from the Pacific Coast Plumbing Inspectors Association (1934) to the Western Plumbing Officials Association (1945) to the International Association of Plumbing and Mechanical Officials (1966) and ultimately The IAPMO Group (1996) – IAPMO was founded upon a mission that still governs its work today: "To advance the latest and most improved methods of sanitation; To promote the welfare of and the harmony between the owner, builder, and the craftsman; To accomplish uniformity in the

application of the provisions of the ordinances."

These principles apply wherever the provisions of the *UPC* are followed, whether it's Los Angeles, Minneapolis, Mumbai, or Jakarta.

The IAPMO Group today represents a multinational operation with offices in 13 nations offering services spanning from code development, training, and education to product testing and certification. In addition to the *UPC*, IAPMO publishes the *Uniform Mechanical Code (UMC®)*, *Uniform Solar Energy and Hydronics Code (USEHC®)*, and *Uniform Swimming Pool, Spa and Hot Tube Code (USPSHTC®)* – each of which has been designated an American National Standard by the American National Standards Institute – as well as the environmentally conscious *Water Efficiency and Sanitation Standard (WE•Stand)*.

"In the book about IAPMO's history, there's a quote by Stephen Smoot, one of IAPMO's founders, saying, 'From small acorns, great trees grow.' I wonder if Mr. Smoot envisioned IAPMO Group offices in multiple countries, delivering clean water and assisting others in the implementation of sound plumbing codes and systems in an effort to protect their health and safety," said IAPMO Group CEO GP Russ Chaney from Indonesia, where he is overseeing the opening of a new IAPMO plumbing product testing laboratory in Bekasi. "IAPMO's success is due to its many supporters around the globe who believe in a mission that is as true today as it was in 1926."

"Though we cannot predict what the future holds for our association, if we continue to use the tools that have served us so well in the past – integrity, honesty, loyalty, and determination – we will undoubtedly preserve and enhance our position not only in the industry, but in the world," said IAPMO's 61st President Bruce Pfeiffer.

IAPMO's codes are developed using the ANSI consensus development procedures, a process that brings together subject matter experts and volunteers representing a variety of viewpoints and interests to achieve consensus on industry practices. Developed and subsequently republished at the conclusion of each three-year code cycle, the *Uniform Codes* are designed to provide consumers with safe and sanitary plumbing, mechanical, solar, and swimming pool systems while, at the same time, allowing latitude for innovation and new technologies. For more information, visit www.iapmo.org.

[<Return to top>](#)

IAPMO, Indonesian Officials Work to Bring Nation's National Standard for Plumbing from Classroom to Real World

IAPMO and Indonesian government officials collaborated on two events last month whose joint goal was to take the country's national standard for plumbing — SNI 8153:2015, Plumbing Systems for Buildings — from the classroom to the real world. Both corporate social responsibility projects seek to strengthen the relationship between IAPMO and the Indonesian government in order to enhance their support for the needs of the Indonesian plumbing and sanitation industry and aid in the development of Indonesia's national standards for health, safety, and the environment.

Officials from IAPMO and Dinas Kebersihan Dan Pertamanan Kota Semarang (Agency of Cleanliness and Parks for the City of Semarang) attended a ceremony for a public restroom in Parang Kusumo Tlogosari Park in the city of Semarang, Central Java province. Shirley Dewi, Senior Vice President of IAPMO R&T's Quality Assurance and Client Services, handed off the key to the public restroom and signed the "prasasti" stone on IAPMO's behalf. Ken Wijaya, Executive Vice President of IAPMO R&T Lab, and Umi Fadilla and Fadjar Sukotjo, Sales Representatives of



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BPPS MAGAZINE



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Personnel certification and

IAPMO in Indonesia, also attended, as did Mr. Budi Prakosa, Head of City Park Divisions; Mrs. Nurhasanah Sutjahjo and Mr. Atang Sarbini, representatives from the Center of Research and Development of the Ministry of Public Works and Human Settlements; as well as representatives from the local regional authorities.

The project is intended to serve as a template for standardization that can be replicated. IAPMO provided the technical expert and assisted with the necessary funding to ensure the initial location's success. IAPMO staff worked with the Indonesian government to identify the appropriate location for the project, set the timeline, and select the contractors.

"We are very excited to be working with the Indonesian government on this project," Dewi said. "As buildings continue to be constructed utilizing SNI 8153:2015, the health and safety of more and more Indonesian residents will be protected through improved access to clean, safe water and sanitation."

IAPMO and Dinas Cipta Karya Dan Tata Ruang Provinsi Jawa Tengah (The Central Java Province of City Planning) held an event in May to train 18 people to implement SNI 8153:2015 in the field. Wijaya, along with Sutjahjo and Sarbini from Indonesia's Center of Research and Development of the Ministry of Public Works and Human Settlements, provided the training.

"IAPMO is committed to providing plumbing education and training for SNI 8153:2015 to give officials and professionals throughout Indonesia the necessary tools to be able to read, understand, interpret, engage, and apply provisions of the new standard," Wijaya said.

[<Return to top>](#)

PT IAPMO Group Indonesia Opens Laboratory and Certification Office in Bekasi, Jawa Bara

The IAPMO Group in May celebrated the grand opening of PT IAPMO Group Indonesia's state-of-the-art laboratory and certification office in Lippo Cikarang — Bekasi (Jakarta), Jawa Barat, Indonesia. The facility will offer testing and certification services for plumbing product manufacturers in support of Indonesia's newly adopted national plumbing standard, SNI 8153:2015, Plumbing Systems for Buildings.

The ceremony was held during the third annual Water for Indonesia Now (WIN) Celebrates Indonesian Plumbing Systems Standardization at the Ritz-Carlton Jakarta in Mega Kuningan, Indonesia. On May 17, IAPMO held an invitation-only gathering at the new facility that included a ribbon cutting and a special tour. Attendees included Chairman of BSN Prof. Dr. Ir. Bambang Prasetya, M.Sc., Representative of Ministry of Public Works and Human Settlements Ir. Nurhasanah Sutjahjo MM, and U.S. Embassy Commercial Officer Julie Carducci, as well as IAPMO CEO Russ Chaney, Executive Vice President of IAPMO R&T Lab Ken Wijaya, and Senior Vice President of Quality Assurance and Client Services of IAPMO R&T Shirley Dewi. "We're certainly delighted that The IAPMO Group has completed a three-year effort in collaboration with both the U.S. and Indonesian governments to assist Indonesia in creating enhanced public health and safety provisions via the creation of a world-class plumbing code," Chaney said. "We were very pleased to have received excellent cooperation and support from the BSN, which is Indonesia's national standards body. We look forward to beginning the testing and certifying of plumbing products, which will facilitate compliance with the new requirements contained in the new BSN national plumbing standard."

Indonesia released a new national standard for plumbing — SNI 8153:2015, Plumbing

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Systems for Buildings — on March 18, 2015, as part of the nation's World Plumbing Day celebration. SNI 8153:2015 will be included in the guidelines for water conservation of GREENSHIP rating systems, a Green Building Council Indonesia program.

Prof Dr. Ir. Bambang Prasetya, MSc., Chairman of BSN, said, "I'm thrilled that the partnership between BSN and IAPMO continues to progress so productively, with the release of the standard last year and now this testing laboratory and certification facility that will continue to build synergy with all stakeholders. The establishment of this facility supports the implementation of SNI 8153:2015 because without it manufacturers would not be able to test and evaluate to the standard. Furthermore, the seminar held during the event advanced public awareness between our industry as the user, government as the regulator, and the laboratory as the operator. I hope the training program can be implemented soon and look forward to our partnership with IAPMO continuing to enhance the plumbing industry in Indonesia."

Prof.(R).Dr. Ir. Arief Sabaruddin, CES, Head of the Center of Research and Development of Human Settlement, Agency for Research and Development of the Ministry of Public Works and Housing of the Republic of Indonesia, said, "We are hoping that today's activities can support the implementation process of SNI 8153:2015, Plumbing Systems for Buildings, as well as providing the maximum benefits for fulfilling the needs of the people toward good plumbing systems that support health and safety, including peace of mind during the construction of buildings, and in conjunction with the Indonesian Law Number 20 Year 2014 (Undang-Undang Indonesia No. 20 Tahun 2014) regarding standardization and conformity assessment; specifically clause 24, in which this standard should be mandatory."

Brian McFeeters, Deputy Chief of Mission from the U.S. Embassy, said, "The U.S. Embassy is proud to be part of this launch, as U.S. companies have a lot to offer to support this new environmentally friendly plumbing standard. I would also like to congratulate BSN, IAPMO, and the Ministry of Public Works and Human Settlements on their valuable efforts supporting water conservation and health in building systems and today's opening of the testing lab and certification office in Bekasi. We look forward to continuing to support the government of Indonesia's effort to gain the adoption of this standard to ensure that all plumbing products and their installation benefit Indonesia and its quest for safe and healthy water."

Wijaya, who heads The IAPMO Group's testing program in the United States, said, "This facility, which is the first one dedicated to testing and certification of plumbing products in Indonesia, was established to support the implementation effort of SNI 8153:2015 and to assist in promoting the health and safety of Indonesian citizens through good plumbing systems."

Dewi added that IAPMO will continue to work with Indonesian officials to promote standardization with the goal of bringing clean, safe water and reliable sanitation to everybody in Indonesia.

"The opening of the lab and certification office in Cikarang-Bekasi truly shows IAPMO's commitment to the Republic of Indonesia, and is an essential part of that effort," she said.

[<Return to top>](#)

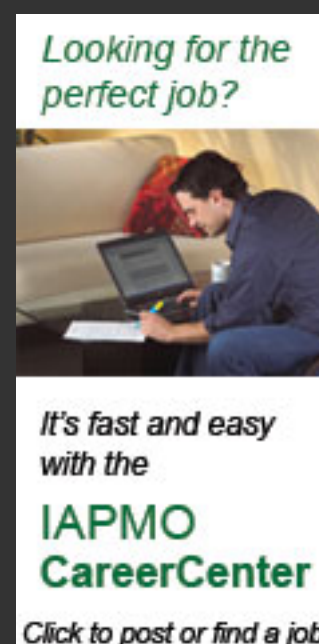
New Construction Starts in April Slide 8 Percent

The value of new construction starts in April fell 8% from the previous month to a seasonally adjusted annual rate of \$608.3 billion, according to Dodge Data &




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Analytics. Nonresidential building pulled back following its sharp March increase, and residential building also declined due to a slower pace for multifamily housing. Meanwhile, the nonbuilding construction sector showed improvement, with public works strengthening after its lackluster March performance. Through the first four months of 2016, total construction starts on an unadjusted basis were reported at \$198.4 billion, down 12% from the same month a year ago. The first four months of 2015 had been lifted by several exceptionally large projects, including three liquefied natural gas (LNG) terminals with a total value of \$15.4 billion and three large petrochemical plants with a total value of \$11.9 billion, which substantially increased last year's January-April amounts for the electric utility/gas plant and manufacturing building categories. If the electric utility/gas plant and manufacturing building categories are excluded, total construction starts during the first four months of 2016 would be down a modest 4% from a year ago.

April's data lowered the Dodge Index to 129 (2000=100), compared to 140 for March. The Dodge Index had registered improved activity during February and March, averaging 141. April's decline returned the pace of construction starts to what was reported during the July 2015-January 2016 period, when the Dodge Index averaged 129. "The construction start statistics on a month-to-month basis are subject to frequent ups-and-downs, so April's decline after two months of improved activity was not a surprise," stated Robert A. Murray, chief economist for Dodge Data & Analytics. "The elevated volume for nonresidential building in March was not expected to be sustained in the near term, yet the strength shown by its institutional segment in March does provide an indication of where growth is likely to come over the course of 2016. The prospects for the commercial segment of nonresidential building, while still positive, have grown more tenuous given signs that banks are beginning to take a more cautious approach towards commercial real estate loans. Residential building is still deriving some benefit from this year's low interest rate environment, and increased funding under the new federal transportation act should provide support for the public works sector."

Read the full report: <http://construction.com/about-us/press/New-Construction-Starts-in-April-Slide-8-Percent.asp>

[<Return to top>](#)

IAPMO Joins WorldSkills as a Global Industry Partner

IAPMO is now a Global Industry Partner. For 90 years, IAPMO has been working with government and industry to implement comprehensive plumbing and mechanical systems around the world. As a Global Industry Partner, IAPMO will expand its work of improving the health of people everywhere through the power of skills.

Education and training is at the core of IAPMO - developing plumbing and mechanical codes and training the professionals who install, design, and inspect them. Like WorldSkills, IAPMO uses a consensus process in the development of qualification competency standards, to heighten the benchmark for plumbing and mechanical requirements. IAPMO also has a third-party certification program for piping trade professionals, as well as a plumbing and mechanical product testing and certification program.

"IAPMO is known as a global industry leader in the development of plumbing and mechanical standards, and hence a natural fit for WorldSkills in furthering skills development and skills excellence," said Alexander Amiri, Director of Sponsorship and Partnership for WorldSkills International. "Through the WorldSkills Foundations partnership with IAPMO on the Community Plumbing Challenge, we have supported IAPMO's global vision for advancing access to clean water and sanitation as a basic



human right, and we are excited to expand our alliance with them as a Global Industry Partner."

"As a WorldSkills Foundation Trustee since 2013, we believe IAPMO has gained a unique perspective on the design and delivery of skills development programs to further the WorldSkills vision and mission beyond the competition, particularly within communities in need," said Dave Viola, IAPMO Chief Operating Officer. "From our new position as a Global Partner, we are excited to continue building this expertise and pioneering further innovative collaborations across the WorldSkills global family, specifically in the areas of water, sanitation, and public health."

Visit the [IAPMO](#) and [Community Plumbing Challenge](#) websites for additional information.

[<Return to top>](#)

World Youth Skills Day is being celebrated on July 15 2016

World Youth Skills Day (WYSD) is now officially recognized by the United Nations, and WorldSkills International will join the organizations of the United Nations and other international and regional organizations, to raise awareness of the importance of acquiring skills as a means to address the challenges of unemployment and under employment, and as a way to achieve better socio-economic conditions for all youth. For WorldSkills, this represents a unique opportunity to have WorldSkills International and all our Members and Partners commemorate this with synchronous activities highlighting the value and significance of skills in all economies and communities — from learning skills to skills excellence.

In May they will be launching an online campaign that invites participants to share why #SkillsRuleTheWorld. Participants will be asked to share on Facebook, Instagram, or Twitter a behind the scenes photo of how they put their skills to work. We are interested in what makes their skill essential, inspirational, and life-changing. Whether their skill takes them to the top of a skyscraper, behind the scenes in a construction site, or even in their garage to tinker, we want to celebrate their skills. The contest will run from 1 June to 15 July, with the winner selected on WYSD. Members can contact them directly to customize social media graphics to promote the contest to their supporters.

They are also excited to showcase the ongoing collaboration between Autodesk and International Association of Plumbing and Mechanical Officials (IAPMO) during the next edition of the Community Plumbing Challenge. This project, which runs 9-15 July 2016, will be hosted by WASSUP — the Water, Amenities, and Sanitation Services Upgrade Program — in Diepsloot, South Africa, and support local residents across a range of design and skills development workshops as part of the Digital Fusion Design Hub workspace.

To celebrate World Youth Skills Day, UNESCO, through its International Centre for TVET (UNESCO-UNEVOC), is organizing an international forum related to Technical and Vocational Education and Training on 15 July 2016 in Bonn, Germany. The forum will discuss policy solutions to foster youth employment and entrepreneurship, facilitate transition to green economies and promote equity and gender equality. Representatives from the WorldSkills Champions Trust will participate in a youth forum designed to leverage youth engagement for innovative skills development.

Members are also encouraged to develop their own events to celebrate WYSD. If you are hosting an event, campaign, or have any questions, please contact Shawna Bourke, Marketing and Communications Manager at shawna.bourke@worldskills.org. We will promote Member activities through our social media platforms and include events on

our WYSD webpage. Additional details on the #SkillsRuleTheWorld, the Community Plumbing Challenge, and UNESCO forum will be released later in May.

This is significant and unique opportunity to collaborate and synergize WorldSkills activities globally and show the role they play in improving our world with the power of skills.

[<Return to top>](#)

Officials In Boston Still Working On Removing Lead From Schools

Last month, a top city water engineer criticized Boston Public Schools' efforts to restore water fountains at six schools as being flawed from the beginning. John Sullivan, who has worked at the Boston Water and Sewer Commission for four decades, estimates that lead spikes happened in the schools when plumbing pipe replacement work only involved replacing some of the pipes connecting to the water fountains. That would mean that water en route to the new fountains flowed through older pipes and fittings as well. Such partial replacements are known to be problematic because the work can disturb older plumbing materials, causing particles — sometimes containing lead — to break loose and contaminate the water. The department acknowledged in a statement that the initial work "did not install any new piping other than pipe connections that were required for the installation of the new fountains." Still, the department said an outside engineering firm is working "to examine why lead levels in some fountains became elevated, which can be due to a variety of factors."

The project — which so far has gone \$120,000 over its original budget of \$300,000 — was intended to save money on costly bottled water at those schools and to provide a road map to do the same at dozens of other schools. About two-thirds of Boston schools use bottled water because of lead contamination concerns. The city has suspended its campaign to restore drinking fountains for use at other schools.

Boston isn't the only city dealing with a lead problem in its schools. Water tests across the state showed high levels in 20 school districts: Arlington, Boston, Brewster, Brookline, Burlington, Granby, Halifax, Hopedale, Newton, Northbridge, Pembroke, Reading, Royalston, Sharon, South Hadley, Sterling, Swansea, Wales, Weymouth and Winthrop.

Parents of several schools in Portland, Oregon were also notified last week that their children might have been drinking lead-tainted water.

A recent investigation by the Guardian claims that "[at least 33 cities across 17 US states have used water testing 'cheats' that potentially conceal dangerous levels of lead.](#)"

[<Return to top>](#)

Deadline Approaching to Submit Proposals for 2018 Solar, Swimming Codes

IAPMO, publisher of the *Uniform Solar Energy and Hydronics Code (USEHC)* and *Uniform Swimming Pool, Spa, and Hot Tub Code (USPSHTC)*, is calling for formal code proposals toward the development of the 2018 editions of these American National Standard designated model codes.

The code proposal form, as well as proposal instructions and background on IAPMO's ANSI-accredited consensus process, can be found at http://codes.iapmo.org/form_proposals_usehc_uspshtc_2018.aspx. All proposals recommending new text, revised text or the deletion of text must be written in legislative format and clearly state the reason behind the recommendation.

No proposals will be accepted after the 5 p.m. PDT deadline on July 1, 2016.

IAPMO first developed the USPSHTC in March 1967 and the USEHC in September 1976. The provisions of these codes apply to the erection, installation, alteration, repair, relocation, replacement, addition to or maintenance of any solar energy, hydronic heating/cooling, swimming pool, spa or hot tub system. The 2009, 2012, and 2015 editions of these codes were produced using a consensus process similar to the one used to develop the *Uniform Plumbing Code (UPC[®])* and *Uniform Mechanical Code (UMC[®])*, which are designated as American National Standards.

IAPMO urges its members and other interested parties to get involved in the code development process to ensure effectiveness in preserving the public health, safety and welfare through fair and balanced development of the Uniform Codes. Installers, plumbing and mechanical officials, the construction industry, engineers and manufacturers all benefit from a cooperative effort in developing codes.

For questions about submitting proposals for the USEHC, contact Hugo Aguilar, USEHC liaison, at (909) 472-4111 or hugo.aguilar@iapmo.org. For questions about submitting proposals for the USPSHTC, contact Enrique Gonzalez, USPSHTC liaison, at (909) 230-5535 or enrique.gonzalez@iapmo.org.

[<Return to top>](#)

New York High School Student Receives Prestigious Award for Developing Clean Drinking Water Project

Award presented at world's largest high school science competition

A Dix Hills, New York, high school senior has won the U.S. Environmental Protection Agency's Patrick H. Hurd Sustainability Award for a project currently providing clean drinking water affordably to a community in Kenya.

"On behalf of the agency, I am proud to announce Alexis D'Alessandro as the Patrick H. Hurd Sustainability award winner for her work to protect public health and the environment" said Dr. Thomas A. Burke, EPA science advisor and deputy assistant administrator of EPA's Office of Research and Development. "This award is just one way EPA helps encourage and support the next generation of scientists and engineers to put their passion for innovation into practice."

Alexis D'Alessandro, a senior at Half Hollow Hills High School West in Dix Hills, New York won the award for providing a cost-effective alternative to reverse osmosis water purification for a community in the Turkana Basin of Kenya. A 9th grade classroom lesson on global water scarcity inspired her environmental engineering project, "Design and Implementation of a Sustainable Permeate Gap Membrane Distillation System for Water Purification in the Turkana Basin of Kenya."

Ms. D'Alessandro took part in the Intel International Science & Engineering Fair in Phoenix, Ariz. this week, along with 1759 other student scientists and engineers from 77 countries, regions, and territories. The EPA Patrick H. Hurd Sustainability award gives the student winner and a chaperone the opportunity to display the student's project at EPA's National Sustainable Design Expo in Washington, DC, featuring the People, Prosperity, and the Planet (P3) Student Design Competition, in the spring of 2017.

The Intel International Science and Engineering Fair, a program of the Society for Science & the Public, is the world's largest pre-college science competition. Students advance to the International Science and Engineering Fair from several levels of local and school-sponsored, regional and state fairs showcasing their independent research. The Society for Science & the Public, a nonprofit organization dedicated to public engagement in scientific research and education, owns and has administered the International Science and Engineering Fair since its inception in 1950.

More information about EPA's participation in the Intel ISEF:

<http://www2.epa.gov/research/intel-international-science-and-engineering-fair>

More information about EPA's People, Prosperity, and the Planet (P3) program:

<https://www.epa.gov/P3>

More information about the Intel ISEF: <http://www.societyforscience.org/ISEF/>

[<Return to top>](#)



High Performance Building Week: Challenges and Solutions for Improving Resiliency, Workforce Development, Energy and Water Efficiency June 13 – 17, 2016

High performance buildings play a central role in solving some of the Nation's most pressing challenges. Members of the High Performance Building Coalition work with Members of Congress during High Performance Building Week to expand awareness of the importance of high performance buildings.

Monday, June 13

Congressional Briefing-Federal Engagement in Efficiency Standards

Tuesday, June 14

Congressional Briefing—Revised OMB Circular A-119 "Federal Participation in the Development and Use of Voluntary Consensus Standards and in Conformity

Assessment Activities"

Congressional Reception

Wednesday, June 15

Congressional Briefing—State and city demand for high performance green residential and commercial buildings. Why is there a demand? Who are the leaders, laggards?

What tools are available today to meet this demand? What challenges exist? How can Congress help?

Thursday, June 16

Congressional Briefing—Examining the findings of the National Institute of Building Sciences' (NIBS) Consultative Council Report, including policy recommendations to Congress.

"People spend about 90% of their time indoors, and buildings are the single largest consumer of energy and water in the US," said Dain Hansen, Chairman of the High

Performance Building Coalition. "As a result, the built environment has a huge impact on virtually all aspects of American life and national security, yet few have a thorough understanding of this complex industry. High Performance Building Week, celebrated in 2016 from June 13 to 17, provides a unique and important opportunity for members of the building community to organize and focus their efforts on educational talks with policymakers on the challenges of the building industry and the many benefits of high performance buildings. In the past, dialogue generated during High Performance Building Week events has resulted in the development and passage of innovative legislation that addresses resiliency, workforce development, energy and water efficiency needs."

The High Performance Building Coalition is a coalition of approximately 200 organizations that provides guidance and support to the High Performance Building Caucus of the US Congress. We support legislation and policies that protect life and property, promote innovative building technologies, enhance US economic competitiveness, increase energy and water efficiency in the built-environment, advance sustainable and resilient communities, and support the development of private sector standards, codes and guidelines that address these concerns. More information can be found at www.hpbccc.org.

[<Return to top>](#)



I-Connection Electronic Newsletter

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Industry Calendar

87th Annual Education and Business Conference
September 25-29, 2016
Albuquerque, NM
www.iapmo.org

WaterSmart Innovations Conference and Exposition
October 5-7, 2016
Las Vegas, NV
watersmartinnovations.com

2016 ASPE Convention and Exposition
October 28 - November 2, 2016
Phoenix, AZ
<http://events.ntpsnow.com/ASPE2016/>

ASSE International Annual Meeting
November 8-11, 2016
Las Vegas, NV
www.asse-plumbing.org/AM16/

Upcoming Seminars

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ARIZONA SEMINARS		
June 20-24, 2016	Phoenix, AZ	2016 ASSE 5110 Backflow Tester 40 Hour Class and Exam
June 24, 2016	Phoenix, AZ	Cross Connection Control Recertification - 8 hr Course and Exam
August 1-5, 2016	Phoenix, AZ	2016 ASSE 5110 Backflow Tester 40 Hour Class and Exam
August 5, 2016	Phoenix, AZ	Cross Connection Control Recertification - 8 hr Course and Exam
CALIFORNIA SEMINARS		

June 20-24, 2016	Ontario, CA	ASSE 5110 Backflow Tester 40 Hour Class and Exam
July 25-29, 2016	Ontario, CA	Backflow Prevention Assembly Repairer Training and Certification Examination (ASSE 5130)
COLORADO SEMINARS		
July 25-27, 2016	Lakewood, CO	Backflow Prevention Assembly Repairer Training and Certification Examination (ASSE 5130)
LOUISIANA SEMINARS		
July 19-21, 2016	Lake Charles, LA	Cross-Connection Control Surveyor (ASSE 5120) Class
July 21, 2016	Lake Charles, LA	Louisiana Testers Certification to an ASSE 5110 Tester Certification
MASSACHUSETTS SEMINARS		
Session 8 Training now available - click here for the schedule!		
MAINE SEMINARS		
July 18-22, 2016	Presque Isle, ME	ASSE 5110 Backflow Tester 40 Hour Class and Exam
July 22, 2016	Presque Isle, ME	Cross Connection Control Recertification - 8 hr course and Exam
MINNESOTA SEMINARS		
2015 Minnesota Plumbing Code Essentials		
July 12-14, 2016	Anoka, MN	Backflow Prevention Assembly Repairer Training and Certification Examination (ASSE 5130)
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