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## Sustainability Takes a Big Step Forward at the 45th WorldSkills Competition

Champions and Experts from over 30 countries and regions joined efforts to deliver three new toilets and washrooms to the Derbyshkinskiy Orphanage. Reusing some of the materials from the Plumbing and Heating Test Projects including the steel frames, pipes, and ceramics, they assembled the toilet and washrooms at Kazan Expo in a special Team Project on the final day of competition, ready for transportation to the Orphanage where they were installed in the days following WorldSkills Kazan 2019.

The new sanitary facilities were officially handed over to the Ministry of Building, Architecture and Housing Municipal Services of the Republic of Tatarstan, which was responsible for the selection of the Orphanage, following completion of the installation project on Thursday, 29 August. Derbyshkinskiy Orphanage, which opened in 1976, today cares for 176 special needs children and teenagers between the ages of 4–23. There are 171 staff who work at the orphanage providing rehabilitation to residents including social adaptation, education, medical care, and work experience.

Read more: <https://worldskills.org/media/news/sustainability-takes-big-step-forward-45th-worldskills-competition/>

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## IAPMO, WaterAid and Millennium Water Alliance Team for WASH Partnership Event

IAPMO last week collaborated with WaterAid and the Millennium Water Alliance for a Capitol Hill event highlighting the important role partnerships play in solving the global water, sanitation and hygiene (WASH) crisis.

The "Partnerships for Advancing International Water, Sanitation and Hygiene" event served as an important opportunity to recognize the incredible work being done in this sector, noting that even more

can be accomplished by looking to the private sector for key allies and partners to help communities around the world gain access to clean water, adequate sanitation and healthy hygiene services.

"It was incredible to see the support from Congress, USAID, NGOs and industry at today's standing-room only gathering," said IAPMO CEO GP Russ Chaney. "Increasingly, we are seeing what can be accomplished when we better partner together. It not only moves the needle on the delivery of water and sanitation services to marginalized communities, but this work also helps grow local and international industry — building skilled workforces and supply chain capacities."

Read more: [www.iapmo.org/group/update/wateraid-millennium-water-alliance](http://www.iapmo.org/group/update/wateraid-millennium-water-alliance)

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### IAPMO, SoCalGas to Provide Foodservice Equipment Installer Program

IAPMO and SoCalGas, a Sempra Energy utility, are working together to create and administer the Natural Gas Foodservice Equipment Installer Training and Certification program.

The three-day training program is designed to provide the training and expertise necessary for installers of commercial kitchen equipment in foodservice facilities to install this equipment safely, efficiently, and in accordance with the manufacturers' intended use and installation instructions.

Training will be done with actual appliances and equipment, providing attendees with an up-close and personal training experience that will be both interesting and interactive. Also discussed during the program will be the relevant provisions from the codes and standards that impact these installations, basic kitchen design and layout, installation and equipment safety, natural gas piping and gas distribution, boilers and water heaters, important plumbing concepts, equipment utilizing computerized technology, and the CaEnergywise rebates and website.

Read more: <http://www.iapmo.org/group/update/foodservice-equipment-installer>

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### Report on Comments Toward Development of 2021 UPC and UMC Now Available for Online Download

IAPMO, developer of the *Uniform Plumbing Code (UPC®)* and *Uniform Mechanical Code (UMC®)*, has posted online the 2019 Report on Comments (ROC) for the 2021 editions of these American National Standard-designated model codes.

Interested parties are encouraged to download the documents at the following links:

#### [Uniform Plumbing Code](#)

#### [Uniform Mechanical Code](#)

One of the many benefits of the IAPMO consensus code development process is the ability for anyone and everyone to have a voice. On Sept. 24, during the association's annual Education and Business Conference, IAPMO will conduct the Association Technical Meeting Convention at the Silver Legacy Resort in Reno, providing stakeholders the opportunity to advocate for their position on proposed changes.

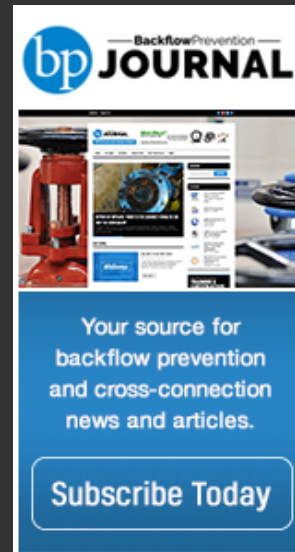
Read more: <http://www.iapmo.org/group/update/2021-upc-umc-monograph>

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### IAPMO Introduces Plumbing Systems Interactive Workshop

IAPMO Training and Education is excited to introduce the new Plumbing Systems Interactive Workshop, a fun, hands-on course that teaches the effective uses of four basic plumbing systems, why/where/when to use each, how to apply code compliant configurations to design and installation, and actual assembly of each system using scaled 3D-printed drainage pattern fittings.

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](http://www.iapmo.org).



The eight-hour course, developed and instructed by Steve Hart, senior plumbing plans examiner with Public Health — Seattle and King County (PHSKC), is delivered in three parts repeated for each plumbing system addressed:

- Part One: Attendees learn/review the code requirements for one of the plumbing systems — horizontal wet vent, circuit vent, vertical wet vent or combination waste and vent
- Part Two: Separate into groups of five and apply this knowledge to assemble the particular plumbing system using 3D-printed fittings, focusing on best engineered practices for mitigating health and safety risk and achieving code compliance
- Part Three: Discussion and debrief, repeat for next system

"IAPMO is constantly looking for ways to improve the learning experience for our students," said Tony Marcello, vice president of IAPMO Training and Credential Services. "This hands-on offering is unique and innovative, and allows for a large amount of learning to occur in a fun and engaging way. Steve Hart, the developer of the concept and primary instructor, has poured his heart and soul into this learning method and we could not be more excited to introduce this training opportunity to the plumbing industry."

Read more: <http://www.iapmo.org/group/update/psi-launch>

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### Report on Proposals (ROP) Toward Development of 2021 USHGC, USPSHTC Now Available for Online Download

IAPMO, developer of the *Uniform Solar, Hydronics and Geothermal Code (USHGC®)* and *Uniform Swimming Pool, Spa and Hot Tub Code (USPSHTC®)*, has posted online the 2019 Report on Proposals for the 2021 editions of these American National Standard-designated model codes.

No hardcopy editions of these publications will be printed or distributed. Interested parties are encouraged to download the documents at the following URLs:

[Uniform Solar, Hydronics and Geothermal Code](#)  
[Uniform Swimming Pool, Spa and Hot Tub Code](#)

Read more: <http://www.iapmo.org/group/update/rop-2021-ushgc-uspshtc>

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### EPA's Sixth Annual SepticSmart Week Promotes Public Health, Water Conservation, and Economic Vitality

The United States Environmental Protection Agency (EPA), supported by state and local governments, the private sector, communities, and academia, will sponsor its sixth SepticSmart Week 2019, Sept. 16-20, an annual event focused on educating homeowners and communities on the proper care and maintenance of their septic systems.

More than one-fifth of U.S. households utilize an individual onsite system or small community cluster septic system to treat their wastewater. These systems treat and dispose of relatively small volumes of wastewater and include a wide range of individual and cluster treatment options to process household and commercial sewage. These systems go by such names as septic, decentralized wastewater treatment, cluster, package plants, on-lot, individual sewage disposal, and private sewage.

Read more: [www.iapmonline.org/Documents/archive/20190909\\_SepticSmart\\_Week.aspx](http://www.iapmonline.org/Documents/archive/20190909_SepticSmart_Week.aspx)

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### Dodge Momentum Index Moves Lower in August

The Dodge Momentum Index dropped 1.3% from July to August to 137.8 (2000=100) from the revised August reading of 139.6. The Momentum Index, issued by [Dodge Data & Analytics](#), is a monthly measure of the first (or initial) report for nonresidential building projects in planning, which have been shown to lead construction spending for nonresidential buildings by a full year. The drop in September was the result of a 16.6% decline in the institutional component offsetting a 9.1% gain in the commercial component.

Read more: <https://www.construction.com/news/dodge-momentum-index-moves-lower-august-2019>

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## New Jersey Adopts 2018 National Standard Plumbing Code

New Jersey residents will continue to be protected by the National Standard Plumbing Code (NSPC), as the Garden State has adopted the 2018 edition of the NSPC™, the first to be published by IAPMO.

The Division of Codes and Standards, which is part of the state's Department of Community Affairs, adopted the NSPC with state-specific amendments on September 3, 2019.

The NSPC provides the latest information about common materials, fixtures, devices, and equipment systems used or installed in plumbing systems. Illustrations and supplementary notes make the NSPC an indispensable enforcement and training tool. For user convenience, IAPMO will have a separate book available that includes the New Jersey amendments embedded in the body of the text.

Read more: [http://www.iapmonline.org/Documents/archive/20190909\\_NJNSPC\\_Adopted.aspx](http://www.iapmonline.org/Documents/archive/20190909_NJNSPC_Adopted.aspx)

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## CPC Indonesia Project Set for Kampung Nelayan Untia in November, May

The International Water, Sanitation and Hygiene Foundation's (IWSH) next Community Plumbing Challenge Indonesia project will begin in November in the village of Kampung Nelayan Untia, on the outskirts of the port city of Makassar, South Sulawesi. The project will be presented in collaboration with Badan Standardisasi Indonesia, the national standardization agency of Indonesia.

The project will be launched during the Indonesia Sustainable Construction and Plumbing Summit (ISCOP), which will be held Nov. 6-8 in conjunction with Konstruksi Indonesia (<http://www.constructionindonesia.com/>) at Jakarta International Expo. Following the collaborative model of previous pilot CPC Indonesia projects, a Design Week will be hosted in Kampung Nelayan Untia during the week of Nov. 18. Subsequently, a Construction Week will be hosted in May 2020 (exact dates to be determined), after the passing of the annual wet season in the Sulawesi region.

Read more: [http://www.iapmonline.org/Documents/archive/20190826\\_CPC\\_Indonesia.aspx](http://www.iapmonline.org/Documents/archive/20190826_CPC_Indonesia.aspx)

## EPA Seeks Comment and Commitment on Draft National Water Reuse Action Plan

At the 34th Annual WaterReuse Symposium in San Diego, California, the U.S. Environmental Protection Agency (EPA) announced the release of a draft [National Water Reuse Action Plan](#) that identifies priority actions and the leadership and collaboration that is needed between governmental and nongovernmental organizations to implement these actions. Water reuse represents a major opportunity to support our nation's communities and economy by bolstering safe and reliable water supplies for human consumption, agriculture, business, industry, recreation and healthy ecosystems.

"Forty states anticipate experiencing fresh water shortages in certain regions within their borders over the next decade," said U.S. EPA's Assistant Administrator for Water David Ross. "Diversifying our nation's water portfolio must be a nationwide priority, and water reuse has the potential to ensure the viability of our water economy for generations to come."

The draft National Water Reuse Action Plan is the first initiative of this magnitude that is coordinated across the water sector. It was built upon extensive outreach, research and prior engagement with the water sector. The inclusive approach used to develop the draft plan recognizes that meaningful advancement of water reuse is best accomplished by working cooperatively with all water sector stakeholders. The draft plan incorporates federal, state, tribal and local water perspectives and highlights key actions that support consideration and implementation of water reuse. EPA's goal is to issue a final plan that will include clear commitments and milestones for actions that will further water reuse to bolster the sustainability, security and resilience of the nation's water resources.

Read more: [www.epa.gov/newsreleases/epa-seeks-comment-and-commitment-draft-national-water-reuse-action-plan](http://www.epa.gov/newsreleases/epa-seeks-comment-and-commitment-draft-national-water-reuse-action-plan)

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## IAPMO, PICAC Hold Inauguration Ceremony of Narre Warren Campus

Industry and government officials gathered on September 9 for the opening ceremony of the new Narre Warren facility in Australia, a research and training center that will provide students with the opportunity to get hands on training with innovative technology, benefiting the plumbing industry as a whole.

The building, which IAPMO R&T Oceana will share with the Plumbing Industry Climate Action Centre (PICAC), is expected to be the first education and research facility in the state of Victoria to be accredited to the Australian government's net zero building standard.

Geothermal heating and cooling, as well as a solar photovoltaic system, will generate enough energy to power the building.

The ground source heat pump system, which will heat and cool the building, consists of 220 wells and integrates thermal heat loops within the structural screw piles for geothermal heat exchange. The facility is the first in Australia to utilize building foundation screw piling to source geothermal energy for its heating and cooling requirements. A photovoltaic array consisting of 770 panels will produce up to 275 kilowatts of electricity, and the energy-efficient design maximizes northern exposure. An insulated wall design will achieve an R-value that exceeds National Construction Code requirements and assists in maintaining thermal comfort.

"Our new six-star energy-rated facility at Narre Warren with the purposely built and technologically advanced gas laboratory gives IAPMO an opportunity to raise the bar and offer our clients a faster and more efficient path to market in both WaterMark and GasMark certification," IAPMO Oceana Managing Director Paul Bonsak said. "The joint venture between the Plumbing Industry Climate Action Centre and IAPMO brings together technology and training in our industry. We at IAPMO are very excited by the opportunity to work in and take advantage of such a world-class facility."

The campus also has a 120-seat general auditorium, 12 training rooms, confined spaces and roof access training.

Accredited by the Joint Accreditation System of Australia and New Zealand (JAS-ANZ), IAPMO R&T Oceana operates an effective quality system in accordance with ISO/IEC Guide 65 General Requirements for Bodies Operating Product Certification Systems. IAPMO R&T Oceana certifies plumbing and drainage products to use the WaterMark™ symbol and strongly supports the federal government's introduction of the Water Efficiency Labeling Scheme (WELS), an important initiative affecting manufacturers of plumbing products, sanitary ware and white goods. IAPMO offers gas certification, GasMark™, and National Association of Testing Authorities, Australian (NATA)-accredited laboratory testing services to Australia Gas Certification requirements. IAPMO has developed and offers its own OceanaMark™ standards.

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### Industry Calendar




**IAPMO 90th Annual Education and Business Conference / 2019 ASSE International Annual Meeting**  
September 22 - 26, 2019  
Reno, NV  
[www.iapmo.org](http://www.iapmo.org)

**CONNECT 2019**  
Oct. 2-4, 2019  
Indianapolis, IN  
[www.phccweb.org/event/connect-2019/](http://www.phccweb.org/event/connect-2019/)

**WaterSmart Innovations Conference and Exposition**  
Oct. 2-3, 2019  
Las Vegas, NV  
[www.watersmartinnovations.com](http://www.watersmartinnovations.com)

**Upcoming Seminars**  
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<b>ALASKA SEMINARS</b>		
November 22, 2019	Anchorage, AK	2015 UPC Essentials Workshop
November 23, 2019	Anchorage, AK	2015 IMC Essentials Workshop
<b>ARIZONA SEMINARS</b>		
September 21 & 28, 2019	Tempe & Phoenix, AZ	ASSE 5110 Cross Connection Control Recertification - 12 Hr Course and Exam
October 19 & 26, 2019	Tempe & Phoenix, AZ	ASSE 5110 Cross Connection Control Recertification - 12 Hr Course and Exam
October 28- November 2, 2019	Phoenix, AZ	ASSE 5110 Backflow Tester 40 Hour Class and Exam
November 4-8, 2019	Phoenix, AZ	ASSE 5130 Backflow Prevention Assembly Repairer Training and Certification Examination Class
November 16 & 23, 2019	Tempe & Phoenix, AZ	ASSE 5110 Cross Connection Control Recertification - 12 Hr Course and Exam
<b>CALIFORNIA SEMINARS</b>		
January 13-17, 2020	Ontario, CA	ASSE 5110 Backflow Tester 40 Hour Class and Exam
January 17, 2020	Ontario, CA	Cross Connection Control Recertification - 8 hr Course and Exam
<b>COLORADO SEMINARS</b>		
October 7-11, 2019	Pueblo West, CO	ASSE 5110 Backflow Tester 40 Hour Class and Exam
October 10-11, 2019	Pueblo West, CO	ASSE 5110 Cross Connection Control Recertification - 12 hr Course & Exam
October 24-25, 2019	Westminster, CO	ASSE 5110 Cross Connection Control Recertification - 12 hr Course & Exam
November 14-15, 2019	Longmont, CO	ASSE 5110 Cross Connection Control Recertification - 12 hr Course & Exam
<b>IDAHO ONLINE SEMINARS</b>		
<b>IOWA ONLINE SEMINARS</b>		
<b>LOUISIANA SEMINARS</b>		
December 16-20, 2019	Baton Rouge, LA	ASSE 5110 Backflow Tester 40 Hour Class and Exam
December 20, 2019	Baton Rouge, LA	ASSE 5110 Cross Connection Control Recertification - 8 hr course / WSPS Conversion Class
December 21, 2019	Elmwood, LA	ASSE 5110 Cross Connection Control Recertification - 8 hr course / WSPS Conversion Class
December 22, 2019	Elmwood, LA	ASSE 5110 Cross Connection Control Recertification - 8 hr course / WSPS Conversion Class
<b>MASSACHUSETTS SEMINARS</b>		
<b>Session 11 Training available - <a href="#">click here for info!</a></b>		
<b>MINNESOTA SEMINARS</b>		
May 18-22, 2020	Anoka, MN	ASSE 5110 Backflow Tester 40 Hour Class and Exam
May 22, 2020	Anoka, MN	ASSE 5110 Cross Connection Control Recertification - 8 hr Course and Exam
<b>NEW JERSEY SEMINARS</b>		
October 7-11, 2019	Pennsauken, NJ	ASSE 5110 Backflow Tester 40 Hour Class and Exam
October 11, 2019	Pennsauken, NJ	ASSE 5110 Cross Connection Control Recertification - 8 hr course and Exam
<b>SOUTH DAKOTA SEMINARS</b>		
<a href="#">Click Here to Find a Class</a>		
<b>WASHINGTON SEMINARS</b>		
October 5, 2019	Kent, WA	Plumbing Systems Illustrated Workshop

December 4, 2019	Kent, WA	<a href="#">Plumbing Systems Illustrated Workshop</a>
<p>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 <a href="http://www.iapmo.org/Pages/Seminar.aspx">http://www.iapmo.org/Pages/Seminar.aspx</a> to register online. New training dates are added periodically!</p>		
		



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