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IAPMO Board of Directors Releases More Expedient Development Timeline for 2021 Editions of Uniform Codes

The International Association of Plumbing and Mechanical Officials (IAPMO[®]) Board of Directors has announced a significantly earlier timeline for the development of the 2021 editions of the *Uniform Plumbing Code (UPC®)* and *Uniform Mechanical Code (UMC®)* than previously employed. Whereas past practice was for IAPMO to publish the codes early in the edition year, the 2021 UPC and 2021 UMC will be available in the first quarter of 2020.

The IAPMO consensus development process is accredited by the American National Standards Institute (ANSI), gathering the largest assembly of plumbing and mechanical experts in the world at its annual education and business conference and technical committee meetings, and enabling anyone — members and non-members alike — to have a voice on new proposals to the code. The 2021 editions of the *UPC* and *UMC* will mark the seventh time these codes have been developed under this ANSI-accredited process.

Under the new timeline, the 2021 development process will begin with the Call for Proposals on Oct. 2, 2017, with a closing deadline of March 16, 2018. The entire 2021 code cycle

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

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timeline, as well as background on IAPMO's ANSI-accredited consensus development process, can be found at http://codes.iapmo.org/.

IAPMO was granted Audited Designator Status by ANSI in September 2011, enabling the 91-year-old code development body to self-designate the UPC and UMC as American National Standards (ANS) and forgo approval by the ANSI Board of Standards Review. The 2015 and 2018 editions of each code were designated by IAPMO as ANS in this manner.

ANSI accreditation signifies that the procedures used by standards setting organizations such as IAPMO meet the Institute's Essential Requirements for openness, balance, consensus and due process. This process brings together volunteers representing a variety of viewpoints and interests to achieve consensus on plumbing and mechanical practices. The UPC and UMC are the only plumbing and mechanical codes of practice to hold the designation of 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 strict governance 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 more information, direct your browser to IAPMO's website, www.iapmo.org.

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IAPMO-Led Effort Convinces U.S. House Subcommittee to Reject Proposed Elimination of WaterSense

At the urging of the International Association of Plumbing and Mechanical Officials (IAPMO[®]), the High-Performance Buildings Coalition (HPBC), Plumbing Manufacturers International (PMI), the Alliance for Water Efficiency (AWE), and other industry partners, the U.S. House of Representatives' Interior Appropriations Subcommittee, which oversees funding for the U.S. Environmental Protection Agency (EPA), has issued its Fiscal Year 2018 agency funding report rejecting the proposed elimination of the EPA's WaterSenseTM program.

IAPMO applauds the subcommittee members, led by Rep. Ken Calvert (R-Calif.), with whom IAPMO met on several occasions to promote the continued funding and operation of WaterSense, for taking this strong stance on behalf of the vastly successful and vital consumer product efficiency labeling program. In April, IAPMO, the HPBC, and 61 of the nation's leading manufacturers, associations, and professional organizations in the building industry delivered a letter to EPA Administrator Scott Pruitt promoting the virtues of WaterSense and strongly recommending its continuation.

A true public-private partnership, WaterSense is a voluntary program that identifies efficient and high-performing water-consuming products. While EPA spends approximately \$3 million a year to administer the program, it has saved consumers more than \$33 billion in water and energy bills since the program's inception in 2006. The program is widely supported across the building industry and has enjoyed bipartisan support on Capitol Hill throughout its existence. This support is not only due to the program's successful outcomes, but also because of the quality and integrity of the products bearing the WaterSense label, as verified through third-party certification, subject to government oversight. This has allowed WaterSense to benefit consumers and industry alike.

"We are pleased with the efforts by the subcommittee and the leadership by Chairman Calvert in expressing, in no uncertain terms, that eliminating WaterSense is a bad idea," said Dain Hansen, IAPMO Senior Vice President of Government Relations and Chairman of the HPBC. "The WaterSense program is vital to manufacturers, states, cities, and utilities, and having the subcommittee declare such sends a clear message to the administration that this program must remain.



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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



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"While this recommendation is certainly a step in the right direction, we must remain vigilant to see this across the finish line."

Because of the value of WaterSense to their business, employees, communities, and customers, more than 1,700 manufacturers, water and energy utilities, distributors, state and local governments, non-profit organizations, trade associations, and retailers nationwide have partnered with the program. For more information, contact Hansen at (202) 445-7514 or dain.hansen@iapmo.org.

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ASSE International Publishes Revised Performance Requirements for Beverage Dispensing Equipment Backflow Preventers

ASSE 1022-2017, Performance Requirements for Backflow Preventer for Beverage Dispensing Equipment, has been designated as an American National Standard by the American National Standards Institute (ANSI) and is now available for purchase.

Backflow preventers for beverage-dispensing equipment are engineered for installation in carbonated post-mix dispensing systems. ASSE 1022 covers backflow prevention devices designed to protect the potable water supply that serves beverage-dispensing equipment, and is intended for devices used under continuous or intermittent pressure conditions.

"Concerns were raised that by itself, a dual check valve for beverage-dispensing equipment will not show any visible indication of failure," said Dale Tripp, ASSE 1022 Working Group Chairperson and Vice President and General Manager at Anderson Brass Company. "These concerns have been addressed with ASSE 1022, which requires two check valves and an atmospheric vent to be used. For products complying with this standard, if there is failure of the downstream check and the backpressure exceeds the supply pressure, the vent will discharge, giving a visual indication of the check valve's failure. With the initial inception of ASSE 1022 in 1999, and adoption by all national and most state and local codes since, this update is critical as the use of ASSE 1022 vented dual checks has become universal throughout North America."

Read more: http://www.iapmonline.org/Documents/archive/20170724_ASSE-1022.aspx

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Pipes at 2,294 Flint Homes Replaced To Date through FAST Start Initiative

Lead-tainted service lines at 1,396 homes have been replaced so far in Phase 4 of Mayor Karen Weaver's FAST Start initiative. The effort is part of the mayor's plan to replace lead-tainted pipes at 6,000 Flint homes in 2017.

Crews from four area companies are replacing lead and galvanized service lines leading from the street to the water meter in residents' homes during this fourth phase of FAST Start, extending the mayor's efforts to restore safe, clean drinking water to Flint residents. Overall, service lines to 2,294 homes have been replaced so far since FAST Start began in March 2016.

In addition, crews have identified copper service lines at a total of 572 homes that did not need to be replaced. Workers have begun checking the composition of 4,000 service lines using hydro-excavation. The process will allow pipe replacement crews to avoid digging up copper service lines and concentrate just on homes with lead and galvanized pipes.



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

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To be eligible for service line replacements, residents must have an active water account. They also must have signed a consent card giving permission for the work to be done (consent cards are being delivered to residents). In rental homes, both the owner and the tenant must sign consent cards. Residents are urged to sign the consent cards as soon as possible, so crews working in their neighborhood can replace their service lines.

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June Construction Starts Climb 4 Percent

New construction starts in June grew 4% from the previous month to a seasonally adjusted annual rate of \$679.9 billion, according to Dodge Data & Analytics. Nonresidential building increased 13% in June, strengthening after two months of lackluster activity, and the nonbuilding construction sector rose 8% with the help of elevated activity for electric utilities. However, residential building slipped 4% in June, as both sides of the housing market (single family and multifamily) retreated. Through the first six months of 2017, total construction starts on an unadjusted basis were \$342.7 billion, down 4% from the same period a year ago. If the manufacturing plant and electric/utility gas plant categories are excluded, total construction starts during the first half of 2017 would be up 1% from last year.

June's data lifted the Dodge Index to 144 (2000=100), compared to 138 for May. Even with June's improved activity, the Dodge Index averaged 139 for the second quarter, down 10% from the first quarter's 154 average. Since last year, total construction starts have shown an up-and-down pattern on a quarterly basis, including a 6% decline in the fourth quarter of 2016 which was then followed by a 7% increase in this year's first quarter and now a 10% decline in the second quarter.

Read more: https://www.construction.com/news/june-construction-starts-climb-4-percent-july-2017

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One In Eight U.S. Homes Uses A Programmed Thermostat With A Central Air Conditioning Unit

Programmable thermostats are designed to help manage energy use, but most of the U.S. households with these controls do not choose to program their thermostats. Based on information collected through EIA's Residential Energy Consumption Survey (RECS) for 2015, only 12% of the nation's 118 million households had a central air-conditioning unit that is actually controlled using the programmed thermostat. About one in three households using central air conditioning do not have a programmable thermostat. But even for those households that use central air conditioning and have a programmable thermostat, more than two-thirds of those households control temperatures without actually programming the thermostat.

Programmable thermostats were certified as an ENERGY STAR product beginning in 1995. However, just the presence of a programmable thermostat does not save energy without the appropriate programming. Programmable thermostats were thus removed from the program in 2009 given concerns about realized energy savings. ENERGY STAR still maintains guidelines for the proper use of programmable thermostats.

Read more: https://www.eia.gov/todayinenergy/detail.php?id=32112

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EWG's Nationwide Tap Water Transparency Report is Here: New Database Details Pollutants in Virtually All U.S. Public Water Systems

Starting today, the vast majority of Americans can learn about every potentially harmful chemical in their drinking water and what scientists say are the safe levels of those contaminants. EWG's new national Tap Water Database is the most complete source available on the quality of U.S. drinking water, aggregating and analyzing data from almost 50,000 public water systems in all 50 states and the District of Columbia.

The organization has earned a reputation for ambitious data-mining research projects that shake up policy debates and consumer markets. EWG's online Farm Subsidy Database, listing millions of subsidy recipients, and its Skin Deep guide to over 70,000 personal care products, draw tens of millions of visitors every year.

With EWG's new Tap Water Database, simply by entering their zip code or local utility's name, users will find all contaminants detected in tests by the utilities themselves and reported to federal or state authorities. Instead of comparing the levels of pollutants to the legal limits set by regulatory agencies – often the result of political and economic compromise, or based on outdated studies – EWG's guide relies on what the best and most current science finds are the levels that will fully protect public health, especially that of infants, children, pregnant women and other vulnerable populations.

"Americans deserve the fullest picture possible of what's in their tap water," said EWG President Ken Cook. "But they won't get that information from the government or, in many cases, from their utilities. The only place they'll find that is EWG's drinking water report."

Read more: http://www.ewg.org/release/ewg-s-nationwide-tap-water-transparency-report-here-new-database-details-pollutants#.WX87NtPys4P

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IAPMO 88th Annual Conference - Early Bird Registration Ends Soon

The International Association of Plumbing and Mechanical Officials (IAPMO[®]) returns to "The Last Frontier" for the first time since 2000 to hold its 88th annual Education and Business Conference, Sept. 24-28, at the Hotel Captain Cook and the William Egan Convention Center in Anchorage, Alaska.

Keynoted by four-time Iditarod winner and cancer survivor Lance Mackey, and highlighted by the Association Technical Meeting Convention toward development of the 2018 editions of the *Uniform Plumbing Code (UPC®)* and *Uniform Mechanical Code (UMC®)*, IAPMO's 2017 conference will provide significant opportunities for both education and business.

Featuring nine CEU-eligible education sessions, as well as the annual UPC/UMC workshops, attendees will have every opportunity to broaden their knowledge base while satisfying continuing education requirements toward maintaining personnel certifications. Members in good standing will be eligible to lend their voice and vote in the ANSI-accredited consensus development process via the final full membership gathering in the three-year code cycle for the development of the 2018 UPC and UMC. And, of course, there will be countless opportunities for career networking with the industry's most influential and experienced people.

Full-week and one-day registration packages are available, as well as a group rate on accommodations at the Hotel Captain Cook. **The deadline for early registration, with a \$70-80 discount (member/non-member) off the regular price, is August 21.**Come see why IAPMO's annual Education and Business Conference is the event of choice for plumbing and mechanical professionals — or anybody with a stake in safe, healthy drinking water, sanitation, and heating/cooling systems. Registration is available online.

For more information, please contact Travel and Events at (909) 472-4207 or conference@iapmo.org.

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Denver Looking to Use More Recycled Water

Strain on the Colorado River and treatment budgets have Denver Water looking to double the amount of recycled water the utility provides, reports the *Denver Post*. The utility is asking the state for permission to expand the use of recycled water to include flushing toilets in commercial buildings, washing cows and pigs at the National Western Stock Show, and irrigating crops such as marijuana.

"This is where the world is going," Denver Water chief executive Jim Lochhead said. "Utilities are exploring this concept of 'one water,' the right water quality for the right purpose, and making the most efficient use of water."

The Colorado Department of Public Health and Environment is open to the idea, but are first investigating multiple concerns - adequate control of pathogens, the potential for salts to build up in soils and groundwater, and the potential of accelerating antibiotic resistant genes.

"We're as much about water conservation as anyone else," CDPHE director Larry Wolk said. "If there's reuse potential for that kind of water that doesn't pose any type of health risk — or has an acceptable health risk — then it is something we definitely should consider.

The 80 current users of recycled water are primarily using it for irrigation and in industrial plants. A third of Denver's recycled water is used by the Xcel Energy's Cherokee power plant. The Denver Museum of Nature and Science uses recycled water to run heating and cooling systems.

The increase in Denver's interest in recycled water dovetails with the Colorado state plan, which has a target goal of 19 billion gallons of recycled water use by 2050.

"Recycling water in our towns and cities is critical to stretching Colorado's limited water supplies so we have enough water now and into the future," WRA engineer Laura Belanger said. "And to increase water reuse, Colorado needs to broaden the range of ways reclaimed water can be used. The new uses proposed by Denver Water are an important step in that direction."

 $Read\ the\ full\ article\ here:\ http://www.denverpost.com/2017/07/13/denver-water-double-recycled-water/$

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DOE Issues Final Rule on Energy Conservation Standards for Walk-In Cooler and Freezer Refrigeration Systems

The U.S. Department of Energy (DOE) has published a final rule pertaining to energy conservation standards for walk-in coolers and walk-in freezers (WICFs).

The Energy Policy and Conservation Act of 1975 ("EPCA"), as amended, prescribes energy conservation standards for various consumer products and certain commercial and industrial equipment, including walk-in coolers and walk-in freezers. This final rule details a series of energy conservation standards pertaining to certain discrete classes of refrigeration systems used in this equipment. These standards, which are consistent with recommendations presented by a working group that included refrigeration system manufacturers, installers, and energy efficiency advocates, have been determined to result in the significant conservation of energy and achieve the maximum improvement in energy efficiency that is technologically feasible and economically justified.

The effective date of this rule is September 8, 2017. Compliance with the standards established for WICF refrigeration systems in this final rule is required on and after July 10, 2020.

More information can be found here:

https://www.federalregister.gov/documents/2017/07/10/2017-14079/energy-conservation-

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IAPMO's Uniform Evaluation Service Issues ER-0499 to International Fireproof Technology, Inc.

IAPMO's Uniform Evaluation Service (UES) is pleased to announce that Taiwan-based International Fireproof Technology, Inc. (USA), was issued UES Evaluation Report ER-0499 to reference the 2015 and 2012 editions of the *International Building Code® (IBC)* and the *International Residential Code® (IRC)*. ER-0499 states that International Fireproof Technology, Inc.'s DC315 Field Applied Intumescent Coatings, as shown in the report, satisfy applicable code requirements. This allows for the specification of the International Fireproof Technology, Inc. DC315 Field Applied Intumescent Coatings products by architects, contractors, specifiers, and designers, and approval of installations by code officials. The report provides code officials with a concise summary of the products' attributes and documentation of code compliance.

Read more

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IAPMO's Uniform Evaluation Service Issues ER-0432 to Royal Building Products

IAPMO's Uniform Evaluation Service (UES) is pleased to announce that Texas-based Royal Building Products (USA), Inc. was granted UES Evaluation Report ER-0432 to reference the 2015, 2012, 2009 and 2006 editions of the *International Building Code® (IBC)*,

International Residential Code[®] (IRC), and International Energy Conservation Code[®] (IECC), along with the 2014 edition of the Florida Building Code® (FBC). ER-0432 states that Royal Building Products Vinyl Siding and Insulated Vinyl Siding, as shown in the report, satisfy applicable code requirements. This allows for the specification of Royal Building Products Vinyl Siding and Insulated Vinyl Siding products 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.

Read more:

http://www.iapmonline.org/Documents/archive/20170626_Royal_Building_Products_UERS-432.aspx

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NABCEP Introduces New Solar Heating and PV System Inspector Credentials

Click here to read more about this new credential.

Industry Calendar

88th Annual Education and Business Conference September 24 - 28, 2017 Anchorage, AK www.iapmo.org WaterSmart Innovations 2017 October 4-6, 2017 Las Vegas, NV www.watersmartinnovations.com PHCC Connect 2017 October 4-6, 2017 Milwaukee, WI www.phccweb.org/connect

ASPE 2017 Tech Symposium October 19-22, 2017 Montréal, Québec http://2017tech.aspe.org/

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ARIZONA SEMINARS				
Sentember 18-22				

2017	Phoenix, AZ	ASSE 5110 Backflow Tester 40 Hour Class and Exam			
September 22, 2017	Phoenix, AZ	Cross Connection Control Recertification - 8 hr Course and Exam			
November 13-17, 2017	Phoenix, AZ	ASSE 5110 Backflow Tester 40 Hour Class and Exam			
November 13, 2017	Phoenix, AZ	Cross Connection Control Recertification - 8 hr Course and Exam			
CALIFORNIA SEMINARS					
August 7-11, 2017	Ontario, CA	ASSE 5110 Backflow Tester 40 Hour Class and Exam			
August 11, 2017	Ontario, CA	Cross Connection Control Recertification - 8 hr Course and Exam			
September 18-22, 2017	Poway, CA	ASSE 5110 Backflow Tester 40 Hour Class and Exam			
September 22, 2017	Poway, CA	Cross Connection Control Recertification - 8 hr Course and Exam			
October 16-20, 2017	Ontario, CA	ASSE 5110 Backflow Tester 40 Hour Class and Exam			
October 20, 2017	Ontario, CA	Cross Connection Control Recertification - 8 hr Course and Exam			
COLORADO SEMINARS					
August 18-19, 2017	Grand Junction, CO	Cross Connection Control Recertification - 12 hr course and Exam			
September 7-8, 2017	Colorado Springs, CO	Cross Connection Control Recertification - 12 hr course and Exam			
October 9-13, 2017	Glenwood Springs, CO	ASSE 5110 Backflow Tester 40 Hour Class and Exam			
October 13-14, 2017	Glenwood Springs, CO	Cross Connection Control Recertification - 12 hr course and Exam			
October 23-27, 2017	Pueblo West, CO	ASSE 5110 Backflow Tester 40 Hour Class and Exam			
November 13-17, 2017	Longmont, CO	ASSE 5110 Backflow Tester 40 Hour Class and Exam			
LOUISIANA SEMINARS	3				
September 11-15, 2017	Baton Rouge, LA	ASSE Recertification / WSPS Conversion Class			
September 15, 2017	Baton Rouge, LA	ASSE Recertification / LA Conversion - 8 hour Course and Exam - PHCC Member			
MASSACHUSETTS SEMINARS					
Session 9 Training now available - click here for the schedule!					
MINNESOTA SEMINARS					
2015 Minnesota Plumbing Code Sizing and Code Application Workshop					
October 23-27, 2017	Anoka, MN	ASSE 5110 Backflow Tester 40 Hour Class and Exam			
SOUTH DAKOTA SEMINARS					
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NEW JERSEY SEMINARS					
November 13-17, 2017	Pennsauken, NJ	ASSE 5110 Backflow Tester 40 Hour Class and Exam			
November 17, 2017	Pennsauken, NJ	ASSE Cross Connection Control Recertification - 8 hr course and Exam			
VIRGINIA SEMINARS					
October 2-6, 2017	The Joyce Agency Chantilly, VA	ASSE 5110 Backflow Tester 40 Hour Class and Exam			
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