



JANUARY 2010 | HEADLINES

- » California Announces First-in-the-Nation Statewide Green Building Standards Code
- » IAPMO Chapter Forms in Philadelphia
- » Stuart Asay Named Fellow by ASSE
- » IAPMO R&T Outshines Other Low-Lead Plumbing Law Third-Party Certification Bodies
- » IAPMO R&T Provides Certification for Apricus Solar
- » Construction Industry Loses Another 53,000 Jobs in December
- » Industry Appeal Keeps PEX Approval in California Plumbing Code
- » Sen. Shafer Introduces Water Conservation and Savings Act
- » Grease Clogging Seattle Sewers
- » Industry Calendar | Upcoming Seminars

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OFFICIAL MAGAZINE



California Announces First-in-the-Nation Statewide Green Building Standards Code

Governor Arnold Schwarzenegger on Jan. 19 announced the California Building Standards Commission unanimously adopted the first-in-the-nation mandatory Green Building Standards Code (CALGREEN) requiring all new buildings in the state to be more energy efficient and environmentally responsible. Taking effect on January 1, 2011, these comprehensive regulations will achieve major reductions in greenhouse gas emissions, energy consumption and water use to create a greener California.

"With this first-in-the nation mandatory green building standards code, California continues to pave the way in energy efficiency and environmental protection. Today's action lays the foundation for the move to greener buildings constructed with environmentally advanced building practices that decrease waste, reduce energy use and conserve resources," said Governor Schwarzenegger. "The code will help us meet our goals of curbing global warming and achieving 33 percent renewable energy by 2020 and promotes the development of more sustainable communities by reducing greenhouse gas emissions and improving energy efficiency in every new home, office building or public structure."

CALGREEN will require that every new building constructed in California reduce water consumption by 20 percent, divert 50 percent of construction waste from landfills and install low pollutant-emitting materials. It also requires separate water meters for nonresidential buildings' indoor and outdoor water use, with a requirement for moisture-sensing irrigation systems for larger landscape projects and mandatory inspections of energy systems (e.g., heat furnace, air conditioner and mechanical equipment) for nonresidential buildings over 10,000 square feet to ensure that all are working at their maximum capacity and according to their design efficiencies. The California Air Resources Board estimates that the mandatory provisions will reduce greenhouse gas emissions (CO2 equivalent) by 3 million metric tons equivalent in 2020.

Upon passing state building inspection, California's property owners will have the ability to label their facilities as CALGREEN compliant without using additional costly third-party certification programs.

In 2007, Governor Schwarzenegger directed the California Building Standards Commission (BSC) to work with specified state agencies on the adoption of green building standards for residential, commercial and public building construction for the 2010 code adoption process.

"We are committed to seeing the Governor's vision for developing a green framework in California become a reality," said California State and Consumer Services Agency Acting Secretary Tom Sheehy. "This new standard will set a nationwide example of how to incorporate building smart, resource-efficient and environmentally-responsible buildings into the everyday fabric of our state."

The mandatory code provisions will now become the baseline of regulated green construction practices in the country's most populous state. The BSC, which developed this initial Green Building Standards Code with extensive discussions with environmentalists, architects, builders, local officials and others, will continue to improve this new code with those interested parties.

In addition to the mandatory regulations, CALGREEN also includes more stringent voluntary provisions to encourage local communities to take further action to green their buildings to reduce greenhouse gas emissions, improve energy efficiency and conserve our natural resources.

Like California's existing building code provisions that regulate all construction projects throughout the state, the mandatory CALGREEN provisions will be inspected and verified by local and state building departments. CALGREEN will use the long-standing, successful enforcement infrastructure that the state has established to enforce its health, safety, fire, energy and structural building codes. Many of the mandatory provisions in the code are already part of the statewide building code, making verification of CALGREEN an easy transition for local building inspectors.

[<Return to top>](#)

IAPMO Chapter Forms in Philadelphia

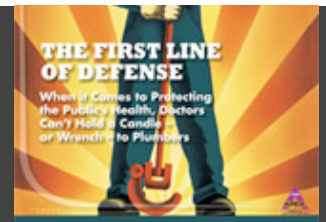


From left to right: Tim Brink, Walt Krzyzanowski, and Jim McStravock.

A new IAPMO chapter has formed, this time in the Commonwealth of Pennsylvania. On December 22nd the Eastern Pennsylvania IAPMO Chapter held its organizational meeting at Plumbers Local 690 in Philadelphia.

Jim McStravock, Owner of James McStravock Plumbing and Heating Company, was elected the Chapter's first Chairman. Mr. McStravock is a Past President of the Philadelphia Brotherhood of Master Plumbers and currently serves on the Organizations Board of Directors. Walt Krzyzanowski was chosen as Vice Chairman. Mr. Krzyzanowski, a second generation Master Plumber in the city of Philadelphia, is a business owner, a Past President and current Board Member of the Pa- PHCC. Tim Brink became the Chapter's first Secretary/Treasurer. Mr. Brink is the Executive Vice President of the Mechanical and Service Contractors Association of Eastern Pennsylvania.

The Chapter plans to focus on insuring that the plumbing, mechanical and fire protection codes in the City of Philadelphia and eastern Pennsylvania maintain the standards needed to insure safe, quality



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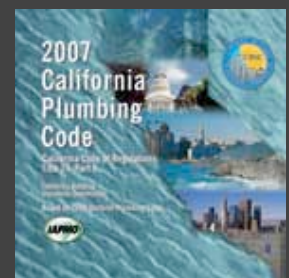
A subscription to Official is just one of the many benefits available to members of IAPMO, which include substantial discounts on most IAPMO publications and educational programs, the opportunity to update and improve the UPC and UMC, participation in local IAPMO chapters and an invitation to attend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

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construction, remodeling, and service work preformed with in the Greater Philadelphia area.

The Eastern Pennsylvania Group is the third IAPMO Chapter formed in the Keystone State within the last two years, joining the Northeastern Pa. Chapter and the recently formed Pittsburgh Chapter. For more information on IAPMO Chapter membership in Pennsylvania please contact IAPMO Field Manager, Sean Cleary at 570-341-0370 or sean.cleary@iapmo.org.

[<Return to top>](#)

IAPMO's Stuart Asay Named Fellow by ASSE

Dr. Stuart Asay, director of IAPMO's Backflow Prevention Institute, is the recipient of the American Society of Sanitary Engineering's (ASSE) Fellow Award as recognition of his exemplary service on behalf of the ASSE.

During his 25 years of involvement with the ASSE, Asay has "contributed unselfishly of his time, talent, energy and finances to the betterment of the Society," distinguished his chapter, earned the respect of his peers and "strengthened and perpetuated a noble ideal, 'Prevention Rather Than Cure,' " according to the award certificate presented by ASSE President Richard Prospal during the ASSE's annual conference. Asay is a former executive director and standards coordinator for the ASSE and has been a local chapter officer.

Since its founding 104 years ago, the ASSE has awarded fewer than 140 Fellow Awards, 68 of which were automatically bestowed upon past presidents of the organization. A Fellow Award Committee recommends to the ASSE Board of Directors individuals who are nominated and meet the bylaws criteria.

"This is an incredible honor for me personally and as much a tribute to the work of IAPMO and the Backflow Prevention Institute as it is to my own efforts, for it is IAPMO that affords me the opportunity to impact our industry in the manner recognized by the ASSE," Asay said.

Becoming part of The IAPMO Group in 2004, the IAPMO Backflow Prevention Institute (BPI) provides education toward professional certification, training materials, such as the Backflow Prevention Reference Manual, and services to increase both private and professional awareness of potential hazards to the public drinking supply relating to backflow prevention and cross connections.

BPI partners with other industry groups to provide free backflow prevention devices for qualifying non-profit organizations and publishes the leading monthly backflow prevention magazine, Drinking Water and Backflow Prevention, devoted to every aspect of backflow prevention. Articles provide information and assist in the awareness of the potential hazards associated with the quality of the drinking water supply. The motto of the IAPMO Drinking Water and Backflow Prevention Program is "Dedicated to Water System Safety Worldwide."

ASSE is the oldest professional plumbing practice organization in the United States. Founded in 1906, its professional members manage, supervise and consult on plumbing safety, health and environmental issues in industry, manufacturing, government, construction and education.

For more information on the IAPMO Backflow Prevention Institute, please direct your Web browser to www.iapmodwbp.org or call (303) 451-0978.

[<Return to top>](#)

IAPMO R&T Outshines Other Low-Lead Plumbing Law Third-Party Certification Bodies

Now that California's Low-Lead Plumbing Law, Section 116875 of the California Health and Safety Code, is being actively enforced, more and more certification agencies, big and small, are throwing their hats into the ring to try and secure a portion of the fast-growing low-lead product certification market.

What manufacturers should know, however, is that not all third-party certification bodies are the same.

IAPMO R&T is fully qualified and accredited by the American National Standards Institute (ANSI) and Standards Council of Canada (SCC) to provide certification services and listing to Section 116875 (formerly known as AB 1953), which allows a maximum weighted average lead count of less than or equal to .25 percent in all pipe fittings and fixtures that interact with drinking water.

Compliance to the law is based on a weighted average calculation of total surface area in contact with drinking water and the maximum percent lead content of materials used in the production of the item. Manufacturers wishing to market their products in California are required to have them certified as satisfying this requirement.

Manufacturers have long trusted IAPMO R&T for its foresight in assisting them to meet the dynamic

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legislative demands on their faucets, valves, fittings and other products that contact drinking water. IAPMO R&T has been certifying plumbing products to be in compliance with standards governing their use since 1936 and was one of the first bodies to certify them to California's low-lead law.

"You know exactly what you're getting with IAPMO R&T — a highly credible, capable, responsive and fully accredited provider of your low-lead certification needs," said Shahin Moinian, senior director of IAPMO R&T. "Many of these 'me, too' organizations have never demonstrated any such capability in the past and lack the accreditations IAPMO R&T possesses."

Manufacturers can request more information on Section 116875 certification by contacting Shahin Moinian at (909) 472-4121 or shahin.moinian@iapmort.org. For more information on this and other services provided by IAPMO R&T, please visit www.iapmort.org.

[<Return to top>](#)

IAPMO R&T Provides Certification for Apricus Solar

Apricus Solar, manufacturer of components for solar thermal water heating systems with branch offices in Branford, Ct., and Le Mans, France, has enlisted the services of IAPMO R&T for Uniform Solar Energy Code certification of its solar collectors.

Apricus solar thermal systems are widely used in both residential and commercial applications to provide hot water, space heating, industrial hot water and even air-conditioning. Installing just one Apricus solar thermal collector can reduce CO₂ levels as much as planting more than 200 trees.

Apricus' pressure evacuated tube collectors for use in domestic hot water, space heating and industrial processing and related applications are certified by IAPMO R&T to have been manufactured in compliance with the SRCC 100-2005 standard for the U.S. and Canadian markets.

IAPMO R&T, North America's premier product certification agency, has provided certification services to manufacturers for such solar products as flat plate collectors, pool heating collectors, thermosiphon systems and photovoltaic technologies. IAPMO R&T's solar product certification services, like the organization's numerous other capabilities, are accredited by the American National Standards Institute (ANSI) and the Standards Council of Canada (SCC). IAPMO's Uniform Solar Energy Code mark of conformity tells consumers and inspectors alike that the products bearing it meet all the standards necessary for such products' safe, reliable operation.

"IAPMO R&T offers a combination of pricing, turnaround time, credibility and attentive customer service that makes what could be a long, complicated process simple and painless for the manufacturer," said Mick Humphreys, Apricus founder and CEO.

For more information on certification of solar products and/or the Uniform Solar Energy Code mark of conformity, contact Brenda.Madonna@IAPMORT.org or (909) 472-4116.

[<Return to top>](#)

Construction Industry Loses Another 53,000 Jobs in December

With Construction Unemployment Now at 22.7 Percent, No Time to Single Out Construction Industry For Higher Health Care Costs and Penalties, Trade Group Says

Deteriorating demand for construction services continued to drag on the economy as new federal figures show another 53,000 construction workers lost their jobs in December and the industry's unemployment rate climbed to 22.7 percent. The new employment data underscores the need to rethink health care legislation that singles out small construction firms for new mandates and fees, the Associated General Contractors of America noted.

"If it wasn't for construction, our economic picture would actually be getting slightly better," said the association's chief economist, Ken Simonson. "Unfortunately, construction layoffs are dragging down the broader employment picture."

Simonson noted that outside of construction, nonfarm payroll employment rose by 31,000, seasonally adjusted, in November and shrank by just 32,000 in December. Construction, however, lost 80,000 more jobs in both months, he added, while the industry's unemployment rate, not seasonally adjusted, is now more than double the all-industry rate.

According to the new federal employment figures, over 2 million construction workers are currently unemployed and 934,000 construction workers lost their jobs during the past 12 months alone. Simonson added that construction employment declined by 0.9 percent between November and December and 13.7 percent between December 2008 and 2009.

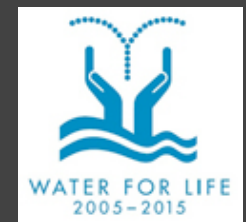
The construction economist said falling demand for nonresidential construction in particular was

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driving the sector's job losses, with 34,900 nonresidential jobs lost in December. He noted that federal figures released earlier this week indicate that construction spending declined by \$137 billion between November 2008 and 2009 to a six-year low.

Association officials urged Congress to reconsider provisions in the Senate-passed health care legislation that exclude small construction firms from measures designed to protect small businesses from costly new provisions. Small business employing between 5 and 49 people are not required to pay fines for employees without health care insurance. However, a last minute amendment added to the Senate bill requires small construction firms to pay the fines.

"It is hard to understand the sense in singling out construction for higher health care costs and penalties when the industry's unemployment rate is nearly double that of any others'," said Stephen Sandherr, the association's chief executive officer. "For the vast majority of small construction firms that already provide comprehensive health care, the Senate provision will increase reporting costs, making it harder to retain and add staff."

[<Return to top>](#)

Industry Appeal Keeps PEX Approval in California Plumbing Code; Decisive Action by PPFA Means 2009 PEX Regulations Stay in Place

The Plastic Pipe and Fittings Association (PPFA) on December 31, 2009 filed an appeal of a ruling by a lower court on the question of the approval of Cross-Linked Polyethylene (PEX) piping in the California Plumbing Code. The ruling addressed the adequacy of an Environmental Impact Report (EIR) on PEX prepared for the California Building Standards Commission (CBSC) as a condition of code approval. The appeal keeps in place the regulations, which took effect August 1, 2009, approving the use of PEX in the California Plumbing Code. CBSC's actions certifying the EIR and approving PEX in the code had been challenged by a group of organizations, led by the California Pipe Trades Council, who have a long history of opposition to approval of any plastic pipe use in California.

According to Richard Church, Executive Director of PPFA, "the court's ruling is disturbing in many respects. It fails to recognize substantial and key evidence in the EIR and administrative record supporting the CBSC determination that PEX does not pose a significant risk to human health. In many instances the court inappropriately substituted its judgment for that of the BSC and, consequently, failed to accord the proper deference to the agency's expertise in highly technical areas. PEX has been the most studied plumbing product ever considered for use in California, and there is simply no credible evidence that PEX has any adverse effects. We are confident the Court of Appeal will agree."

The EIR was conducted under the guidelines set forth by CEQA (California Environmental Quality Act) and resulted in a comprehensive 868 page document supported by almost 10,000 pages of additional information submitted as part of the administrative record. The EIR was certified by CBSC on January 22, 2009, and PEX was subsequently included in the California Plumbing Code effective August 1, 2009.

PPFA is a voluntary, non-profit organization of North American companies primarily engaged in the manufacture of plastic pipe and fittings for plumbing and piping applications typically installed on the building premises. For additional information, visit the website at www.ppfahome.org.

[<Return to top>](#)

Sen. Shafer Introduces Water Conservation and Savings Act

Sen. David Shafer (R-Duluth) has introduced legislation to fund the repairing of leaky water infrastructure without forced tax or water rate increases.

"Millions of gallons of water are lost each day to aging or inadequately maintained infrastructure — as much 18% of the surface water withdrawn for public use," Shafer said. "Senate Bill 311, the Water Conservation and Savings Act, provides a way to pay for repairs without resorting to forced tax increases or unfunded mandates."

Shafer bill's directs the Environmental Protection Division (EPD) to compile data showing the water loss by public utility and request plans from each utility to correct the loss.

"Unfortunately, because many local governments hold water withdrawal permits for more water than their citizens need, there is a little incentive for them to make repairs," Shafer said. "At the same time, many growing counties are waiting years to obtain withdrawal permits of their own."

Shafer's legislation creates a new funding mechanism for repairing water infrastructure. It would allow a local government seeking a water withdrawal permit to help pay the costs of repairing the infrastructure of another local government within the same river basin, provided that the amount of water saved from the repairs is reallocated from the permit, as well as the government receiving the

repairs to the permit of the government paying for the repairs.

"The system would be voluntary," Shafer said. "No local government willing to repair its own infrastructure would be required to accept help from another local government."

Shafer said the bill creates an option for funding repairs that does not involve forced taxes, unfunded mandates or even an increase in the amount of water permitted to be withdrawn.

Shafer's bill has been endorsed by the Georgia Conservancy and Georgia Conservation Voters.

[<Return to top>](#)

Grease Clogging Seattle Sewers

Dirty dishes and leftovers are being blamed for clogging Seattle's sewers, according to a story by seattlepi.com. Seattle Public Utilities estimates that grease washed down the drain is responsible for one-third of the cities blocked sewers.

While restaurants are often the first suspects, more than half of the cities sewer clogs are from residential neighborhoods — people dumping their leftovers down the garbage disposal or the grease from scraps washed away in the dishwasher.

How bad is Seattle's grease problem? 544,000 gallons go down the drain each month, according to the article — enough to fill seven large swimming pools.

"The City of Seattle is really working on getting the word out that it is a problem," said Ryeann-Marie Tuomisto, coordinator of the city's FOG program.

Seattle Public Utilities recommends these tips to prevent grease from clogging sewer lines:

- Never pour oil or grease down the drain. Allow cooked fats, oil or grease to cool and pour them into a disposal container than can be tossed out with solid wastes.
- Thoroughly scrape plates to remove leftover fat, oil, grease and food waste from pots, pans and cooking equipment prior to rinsing.
- Use paper towels, if needed, to wipe greasy dishes before dishwashing.
- Use sink strainers to catch food waste during dishwashing. Avoid using garbage disposals.

Read the [seattlpi.com](http://www.seattlepi.com/local/414191_grease18.html?source=myspi) article: http://www.seattlepi.com/local/414191_grease18.html?source=myspi

[<Return to top>](#)

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Orlando, FL
www.ahrexpo.com

PlumexIndia
Feb 5 - 7, 2010
Hyatt Regency
Mumbai, India
www.plumbexindia.in

ACCA Conference & Indoor Air Expo
Mar. 7 - 9, 2010
Tampa, FL
www.accaconference.com

ISH China 2010
Mar. 10 - 12, 2010
Beijing, China
www.ish.messefrankfurt.com

World Plumbing Day
Mar. 11, 2010
www.worldplumbingday.org

KBIS 2010
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February 11, 2010	Ontario, CA	2007 CPC Fuel Gas Provisions & 2007 CPC Traps and Interceptors
February 12, 2010	Ontario, CA	Green Plumbing and Mechanical Concepts
February 25, 2010	Albuquerque, NM	2009 UPC Update
February 26, 2010	Santa Fe, NM	2009 UPC Update
March 4, 2010	Houston, TX	2009 UPC Update
March 5, 2010	Helena, MT	2006 UPC with Montana Amendments
March 14-16, 2010	Las Vegas, NV	2010 National Green Mechanical Educators and Trainers Conference
<p>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!</p>		

