



Green Newsletter
December 2008

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Official Articles Related to Sustainability Available Online

Official articles related to sustainability and the environment are now available for free from the IAPMO website.

The articles cover a wide variety of topics, including challenges facing the building industry, desalination, residential hot water systems, rainwater harvesting, and a look at whether being "green" is a return investment.

Access to the articles can be gained by navigating through the IAPMO landing page or by visiting www.iapmo.org/Pages/GreenOfficialArticles.aspx

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GreenBuild Keeps Growing

Over 26,000 people flocked to the Boston Convention Center for the 2008 GreenBuild Expo, bolstering hopes that the momentum of the green movement would carry on despite the economic downturn.

"We maxed out the conference hall, and with how big the BCEC is that shows something, and that is that people are getting it," said Kimberly Lewis, the council's vice president of events.

The show first began in Texas in 2002 and drew about 4,000 people. Last year's show in Chicago attracted more than 22,000.

Over 800 companies, including IAPMO, were represented at this year's show, featuring products that ranged from solar-tube lighting systems to eco-friendly toilets.

Video coverage of the sessions are archived at <http://www.greenbuild365.org/>.

GreenBuild 2009 will be held on November 11-13 in Phoenix, AZ. The theme next year will be "Main Street Green: Connect to the Conversation." For more information go to www.greenbuildexpo.org/



Left to right: IAPMO's Pete DeMarco, Dave Viola, and Gordon MacEwan at GreenBuild 09.

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Vanguard Showcases First WaterSense Labeled Home

Going blue for a whole home is now a reality says the EPA, as the first home to receive the WaterSense label has been unveiled in Chapel Hill, N.C. Built by Vanguard Homes, the 2500 square foot house incorporates water efficiency features that aim to cut the traditional homeowners water usage by as much as 20 percent.

The water saving design is based off the (draft) specifications laid out by the voluntary WaterSense New Home program. Water efficient features include low-flow faucets and shower-heads, dual-flush toilets, insulated hot water lines and a recirculating hot water system that shortens the time waiting for the warm water to reach the faucet.

The home includes WaterSense labeled products and Energy Star qualified appliances — the dishwasher is 41 percent more water efficient and the front-loading clothes washer 82 percent.

Outdoor potable water use is offset by rainwater collected from the roof and stored in a 1,700-gallon underground cistern.

Vanguard, one of seven builders participating in the WaterSense New Homes Pilot Program, plans on building about 75 homes designed to meet the WaterSense criteria. Prices for the WaterSense labeled homes range from \$260k to \$450k. Vanguard says meeting the WaterSense specifications adds about \$3000 to \$5000 to the cost.

"Through the WaterSense New Homes Pilot Program, we can lay a strong foundation for environmental progress," said EPA Administrator Stephen L. Johnson in a press release. "As the program encourages installation of products that save water and money, homeowners are realizing first-hand the benefits of efficient water use."

The EPA has announced that the draft WaterSense New Home Certification Protocol should be posted in December 2008. Additionally, WaterSense will issue a second draft of the Water-Efficient Single Family New Home Specification in early 2009. At that time, WaterSense will also post responses to comments on the first draft of the Specification.

WaterSense has also introduced a [landscape water budget tool](#) to guide the builder, landscape professional, or irrigation partner through water budget calculations. The Water budget tool is open for public comment until Dec 19, 2008.

More information about WaterSense can be found at www.epa.gov/watersense/index.htm

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USGBC Reaffirms Commitment to Standard 189.1 P *(Press Release)*

The U.S. Green Building Council reaffirmed its commitment to the development of Standard 189.1 P, which will be America's first National Standard developed to be used as a green building code when completed. Created specifically for adoption by states, localities, and other building code jurisdictions that are ready to require a minimum level of green building performance for all commercial buildings, Standard 189.1 P is being developed as an ANSI standard under ASHRAE's leadership, in partnership with the U.S. Green Building Council and IESNA.

"As green building goes mainstream, government leaders are asking for tools that set minimum standards for green building said Jason Hartke, Director of Advocacy and Public Policy, USGBC. "And Standard 189 will be an important part of that toolkit."

Leading cities including Washington, DC, San Francisco, and Los Angeles require most commercial buildings to reach LEED Silver; and earlier this year, the State of California authored and adopted a statewide green building code.

Doubts about the future of Standard 189.1 P were raised in late October by ASHRAE's decision to reconstitute the volunteer committee responsible for the development of the green building code. While rebuilding the committee will mean delays, USGBC remains confident in the quality of the final result.

Brendan Owens, VP of LEED Technical Development, USGBC, and a member of the Standard 189.1 P elaborated, "USGBC is deeply committed to our work with ASHRAE and to the integrity of



the standard's content. Creating a national green building code is imperative to our mission of market transformation, and we will be 100% engaged to make sure it delivers on that promise."

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ISH-Europe 2009: Solutions for Sustainable Water and Energy Usage

From 10 to 14 March 2009 everything at ISH, the world's leading trade fair for the bathroom experience, building services, energy, air-conditioning technology and renewable energies revolves around two resources which are essential to life: energy and water. ISH brings together two trade fairs under the one roof: 'The Bathroom Experience' and 'Energy, Building Services and Air-conditioning Technology'. Some 2,400 companies will be represented in this combined trade fair at the Exhibition Centre, which is now all but booked out (a gross floor area of 250,000 square meters) — including all market leaders and technology pioneers: a range of products that is unbeatable in breadth and depth.

To judge by its product spectrum, the sales volumes associated with these products and the high levels of potential savings to be envisaged in buildings — ISH is the world's largest and most successful trade fair for environmentally friendly building services. It optimally links water and energy and offers opportunities for protecting the climate in ways which can immediately be put into practice. ISH has been facing each year's current challenges anew every year for the past fifty years. The result is that this leading world fair has written its own success story, which is all about growth, continuity and a successful trade fair concept.

Further information, tickets and voucher exchange are available on the ISH web site at: www.ish.messefrankfurt.com

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LEED 2009 Passes Member Ballot

LEED 2009, the next major evolution of the popular green rating system for commercial buildings, has passed member ballot and will be introduced in 2009. The update includes major technical advancements, focused on improving energy efficiency, reducing carbon emissions, and addressing other environmental and human health outcomes.

LEED 2009 incorporates regional credits, extra points that have been identified as priorities within a project's environmental zone. LEED has also undergone a scientifically grounded re-weighting of credits, changing allocation of points among LEED credits to reflect climate change and energy efficiency as urgent priorities. This will be one of the most significant changes to the rating system, and will increase the importance of green building as a means of contributing immediate and measurable solutions toward energy independence, climate change mitigation, and other global priorities.

"The conclusion of the balloting process marks the culmination of tireless work done by representatives from all corners of the building industry," said Brendan Owens, Vice President, LEED Technical Development, U.S. Green Building Council's. "We have the deepest gratitude for our volunteer leaders, and for their bold steps towards resetting the bar for green building leadership and challenges the industry to move faster and reach further."

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Green Building Could Triple by 2013

A new study from McGraw-Hill Construction says the green building will continue to accelerate at a dramatic rate and could triple in value by 2013, reaching as much as \$140 billion.

Released on the eve of Greenbuild 2008, the "Green Outlook 2009: Trends Driving Change" report found the value of green building construction starts was up five-fold from 2005 to 2008 (from \$10 billion to \$36-\$49 billion).

"Green growth is phenomenal across the globe," said Harvey M. Bernstein, Vice President of Industry Analytics, Alliances and Strategic Initiatives, McGraw-Hill Construction. "The business opportunities afforded by green building, even in the midst of a global economic crisis, are real and recognized by industry players. Furthermore, green building has great potential to help tackle unemployment through green jobs, and can address other societal issues, such as creating

healthier places where we live and work."

To order a copy of the report, visit http://construction.com/market_research/default.asp

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WaterSmart Innovations Conference and Exposition issues Call for Abstracts

Experts in the field of water efficiency are invited to submit abstracts for the second WaterSmart Innovations Conference and Exposition, slated for Oct. 7-9, 2009, in Las Vegas.

The deadline for submitting abstracts is Jan. 30, 2009. Professionals, scientists, government employees, organizations, public and private institutions, policy makers, students and all others working in an industry related to water efficiency are invited to submit an abstract for an oral presentation, panel discussion or workshop.

The inaugural WaterSmart Innovations, held Oct. 8-10, 2008, was the largest and most comprehensive conservation-specific conference of its kind in the world. IAPMO is proud partner of WaterSmart Innovations. IAPMO and the event organizers hope to build upon this groundbreaking event, created to broaden the knowledge of innovations in water conservation including products, programs and outreach. All topics related to innovations in water conservation will be considered. Potential topics include:

- Conservation and Incentive Program Management
- Drought Management Planning
- Alternate Sources
- Rainwater/Greywater/Stormwater Harvesting
- Sustainable Construction and Development
- High Efficiency Fixtures and Appliances
- Policy Development/Public Outreach
- Landscapes and Outdoor Water Use
- Marketing Conservation Programs
- Education (youth, adult)

Candidates chosen as presenters will be notified by e-mail and postal mail no later than March 15, 2009. A complete list of topics and submittal guidelines is available at www.WaterSmartInnovations.com

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Deadline for Comments on Green Building Initiative

The second 45-day public review period for the Green Building Initiative ends December 9.

The proposed American National Standard, officially known as "GBI Proposed American National Standard 01-200XP: Green Building Assessment Protocol for Commercial Buildings," is based on the Green Globes environmental assessment and rating system.

"We were extremely pleased by the variety of comments we received and greatly appreciate the input of each individual and organization that participated in the GBI's public comment process," said Vicki Worden, GBI staff liaison to the GBI technical committee and Vice President of Commercial Programs and Business Development. "The changes that resulted from the first comment period demonstrate the benefits of ANSI's transparent process, through which constructive feedback is collected from experts in the many fields related to green building. Such comments have helped to improve the proposed standard, and we look forward to the additional feedback we expect to receive as part of the second comment period."

Individuals or organizations interested in participating in the public review will find the relevant documents on the [GBI Web site](#). Following the second public review period, the consensus body will meet in the first quarter of 2009 to address any additional comments received. The committee hopes to conclude its work on the standard early in 2009.

Anyone interested in being considered for participation on the consensus body is encouraged to complete an application, also available on the [GBI Web site](#). New applicants are considered on a regular basis as vacancies occur, in accordance with GBI's ANSI-approved procedures requiring balance and consideration of needed expertise.

For more information about the GBI and Green Globes, visit www.thegbi.org.

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Ecobuild Fall & AEC-ST
December 8-11, 2008
Washington, D.C.
www.aecocobuildfall.com
IAPMO Green Booth: #529

2009 ASHRAE Winter Conference
January 24-28, 2009
McCormick Place
Chicago, IL
www.ashrae.org

2009 AWWA Water Conservation Workshop
January 25-27, 2009
Portland, OR
www.awwa.org

International AHR Expo
January 26-28, 2009
McCormick Place
Chicago, IL
www.ahrexpo.com/showinfo/

2009 International Water Conservation & Xeriscape Conference
February 26-27, 2009
Marriott Pyramid Hotel
Albuquerque, NM
www.xeriscapenm.com/

Educode 2009
February 23-27, 2009
The Orleans Hotel and Casino
Las Vegas, NV
www.educode.us/

ACCA Conference & Indoor Air Expo
February 24-26, 2009
Fort Worth Convention Ctr.
Fort Worth, TX
www.acca.org/conference/

2009 MCAA Convention
March 1-5, 2009
JW Marriott Desert Ridge
Resort & Spa
Scottsdale, AZ
www.mcaa.org/education/

ISH 50
March 10-14, 2009
Frankfurt am Main
<http://ish.messefrankfurt.com>

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