

Agenda

Presented by Chris Maxwell-Gaines, P.E.

Commitment to Water Conservation and Regulation of Water Use

- Matching owner commitment to conservation practices
- Measuring water use and related costs
- Educating owners on benefits of water conservation
- Local limits/guidelines on water use
- Energy conservation benefits of water conservation
- LEED and other sustainable certifications treatment of water use
- Attaining net-zero water use

Building Site Water Resource Assessment

- Building type, function and occupancy
- Assessing site hydrology, as well as pre-development and post-construction use
- Calculating anticipated use of potable and non-potable water
- Demonstrating water savings and related benefits

Building System Water Conservation Strategies

- Conserving water in mechanical systems
 - Cooling systems
 - Steam systems
- Reducing water use by building occupants
 - Limiting use of potable water for non-potable use
 - Using water-conserving faucets, toilets and urinals
 - Implementing water controls at the system level

Onsite Water Harvesting and Reuse

- Options for reusing grey water
- Harvesting and reusing rain water
- Using native and drought-tolerant plants
- Implementing water-conserving irrigation strategies

Can't Attend? Order the Manual and Audio from the Live Seminar as a Self-Study Package!

Audio recordings of this seminar are available for purchase starting at \$279. See registration panel for more information and please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credit.

Water Conservation and Reuse for Building Professionals

Austin, TX - Wednesday, April 29, 2020

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Altoona, WI 54720-0278



Learning Objectives

You'll be able to:

Educate clients on the benefits of water conservation, and match clients' water conservation commitments to specific water conservation strategies.

Assess building site water resources based on building type, function and occupancy.

Calculate anticipated use of potable and non-potable water, and demonstrate water savings based on proposed conservation strategies.

Propose water conservation strategies for mechanical systems.

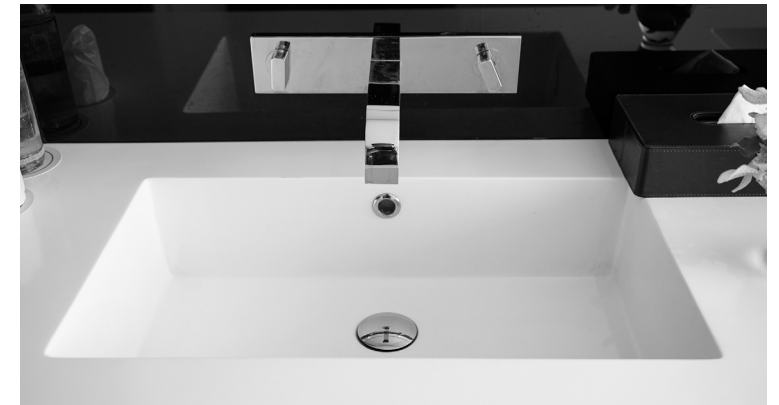
Reduce water used by building occupants, and identify options for reusing rainwater and grey water.



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Water Conservation and Reuse for Building Professionals

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Learn how to educate owners on the benefits of water conservation

Assess site hydrology, as well as pre development and post construction use

Discuss water conservation techniques to attain net-zero water use

Examine options to reduce water use by building occupants

Explore onsite water harvesting and reuse

Continuing Education Credits

Professional Engineers

6.5 PDHs

International Code Council

.65 CEUs (Sustainability)

Architects

6.5 HSW CEPHs/CE Hours,
Including 1.0 Sustainable
Design Hour
6.5 AIA LU|HSW

Contractors

Non-Credit Continuing Ed.



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Chris Maxwell-Gaines, P.E. *Innovative Water Solutions, LLC, Austin*

Mr. Maxwell-Gaines received a B.S. degree in Civil Engineering specializing in water and wastewater from Texas A&M University in College Station. After college, he and his wife joined the U.S. Peace Corps and accepted volunteer positions in Suriname, South America. They were assigned to the remote village of Godo Olo which is located in the Amazon rainforest, deep in the interior of Suriname. They helped the village implement a water well project, provided after-school tutoring, and provided business training for the villagers. They spent 27 months serving in the Peace Corps. After returning to Austin in 2002, Mr. Maxwell-Gaines worked at a civil engineering firm that provided a breadth of project experience ranging from TMDL computer modeling projects for impaired streams in Texas, to subdivision design, to water and wastewater treatment plant design. He became a licensed engineer in 2007. In 2004, Mr. Maxwell-Gaines started Innovative Water Solutions LLC. IWS is a design/build water conservation company that focuses on the nexus of stormwater management and water conservation. The company designs and installs rainwater/stormwater collection systems, stormwater management systems including green infrastructure, and graywater reuse systems, as well as efficient irrigation systems and water conservative landscaping for residential and commercial projects. To date, IWS has installed over 8,000,000 gallons of rainwater storage capacity across the state of Texas. Mr. Maxwell-Gaines has designed water conservation systems and green infrastructure projects for numerous institutions including: Texas A&M University; The University of Texas at Austin; City of Austin; Texas Department of Transportation; Texas Parks and Wildlife; numerous Independent School Districts (Austin, Dripping Springs, Wimberley Hays CISD); Atmos Energy; CubeSmart; Denton County, Texas; City of New Braunfels; San Jacinto River Authority; and SeaWorld.

Here’s what past attendees have said about this course and presenter Chris Maxwell-Gaines, P.E.

“Very informative, extremely knowledgeable” – Architect “Excellent seminar, engaging presenter” – Engineer

“True teacher, wonderfully knowledgeable” – Landscape Architect

Seminar Information

Hilton Garden Inn Downtown
500 North Interstate 35
Austin, TX 78701
(512) 480-8181

Tuition
\$299 for individual registration
\$279 for three or more registrations.

Included with your registration: *Complimentary continental breakfast and printed seminar manual.*

Receive a reduced tuition rate of \$101 by registering to be our on-site coordinator for the day. For availability and job description, please visit www.halfmoonseminars.org.

How to Register

- Visit us online at www.halfmoonseminars.org
- Mail-in or fax the attached form to 715-835-6066
- Call customer service at 715-835-5900

Cancellations: Cancel at least 48 hours before the start of the seminar, and receive a full tuition refund, minus a \$39 service charge for each registrant. Cancellations within 48 hours will receive a credit toward another seminar or the self-study package. You may also send another person to take your place.

Continuing Education Credit Information

This seminar is open to the public. It offers 6.5 PDHs to professional engineers in all states. Educators and courses are not subject to preapproval in Texas.

This course offers 6.5 HSW CEPHS/continuing education hours to architects in all states, including 1.0 sustainable design hour in Texas. Educators and courses are not subject to preapproval in Texas.

The American Institute of Architects Continuing Education System has approved this course for 6.5 LU|HSW (Sponsor No. J885). Visit www.halfmoonseminars.org for complete AIA information under this course listing. Only full attendance is reportable to the AIA/CES.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida, Indiana, Maryland, New Jersey (Approval No. 24GP00000700), North Carolina, and North Dakota. HalfMoon Education is an approved architect continuing education for Florida architects and is deemed an approved continuing education sponsor for New York engineers and architects.

The International Code Council has approved this event for .65 CEUs in the specialty area of Sustainability (Preferred Provider No. 1232).

Additional Learning

Webinar Series

Solar Photovoltaic Project Design and Development

- **Solar Photovoltaic Project Design and Development, Part I**
Wed., March 4, 2020, 11:00 AM - 2:15 PM CST
- **Solar Photovoltaic Project Design and Development, Part II**
Thurs., March 5, 2020, 11:00 AM - 2:15 PM CST

International Residential Code

- **Development and Enforcement of International Residential Code**
Thurs., March 12, 2020, 11:00 AM - 12:00 PM CDT
- **IRC Building Planning and Shell Construction, Part I**
Thurs., March 12, 2020, 1:00 - 2:30 PM CDT
- **IRC Building Planning and Shell Construction, Part II**
Fri., March 13, 2020, 11:00 AM - 12:30 PM CDT
- **IRC Energy Efficiency and Building Systems**
Fri., March 13, 2020, 1:00 - 3:00 PM CDT

For more information and other online learning opportunities visit:
www.halfmoonseminars.org/webinars/

This course offers a non-credit continuing education opportunity to construction contractors. It has not been approved by any state contractor licensing entity.

Attendance will be monitored, and attendance certificates will be available after the seminar for most individuals who complete the entire event. Attendance certificates not available at the seminar will be mailed to participants within fifteen business days.

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Registration

Water Conservation and Reuse for Building Professionals
Austin, TX - Wednesday, April 29, 2020

How to Register		Registrant Information
Online: www.halfmoonseminars.org		Name: _____ Company/Firm: _____ Address: _____ City:_____State: _____ Zip_____
Phone: 715-835-5900		Occupation: _____ Email: _____ Phone: _____
Fax: 715-835-6066	Code:	Additional Registrants: Name: _____ Occupation: _____ Email: _____ Phone: _____
Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278		Name: _____ Occupation: _____ Email: _____ Phone: _____
Complete the entire form. Attach duplicates if necessary.		Email address is required for credit card receipt, program changes, and notification of upcoming seminars and products. Your email will not be sold or transferred.
		() I need special accommodations. Please contact me.

Tuition

() **I will be attending the live seminar.** Single Registrant - **\$299.00**. Three or more registrants from the same company registering at the same time - **\$279.00** each.

() **I am not attending.** Please send me the self-study package:

☐ Downloadable MP3 Audio/PDF Manual for **\$279.00**.

☐ CD/Manual Package for **\$299.00**. ☐ USB/Manual Package **\$299.00**.
(S&H included. Please allow five weeks from seminar date for delivery)

Checks: Make payable to HalfMoon Education Inc.

Credit Card: *Mastercard, Visa, American Express, or Discover*

Credit Card Number: _____

Expiration Date: _____ CVV2 Code: _____

Cardholder Name: _____

Billing Address: _____

City:_____ State:_____ Zip: _____

Signature: _____

Email: _____