Water Conservation and Reuse for Building Professionals

Austin, TX - Wednesday, April 29, 2020

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 greywater.

 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.

Continuing Education Credits

Professional Engineers
6.5 PDHs

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

International Code Council
.65 CEUs (Sustainability)

Contractors
Non-Credit Continuing Ed.
Faculty

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 Gado Glo 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 conservation 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 SealWorld.

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

- “Very informative, extremely knowledgeable” – Architect
- “True teacher, wonderfully knowledgeable” – Landscape Architect

Seminar Information

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

Registration:
- 8:00 - 8:30 am
- Morning Session: 8:30 - 11:45 am
- Lunch (on your own): 11:45 am - 12:55 pm
- Afternoon Session: 12:45 - 4:30 pm

Tuition:
- $279.00 for individual registration
- $279.00 for three or more registrations.

Included with your registration:
- Complimentary continental breakfast and printed seminar manual
- Receive a reduced tuition rate of $101 for registrants of three or more registrations.

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 CEUs/continuing education hours to architects in all states, including 0.9 sustainable design hours 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. Full attendance is reportable to the AIA.

HalfMoon Education is an approved continuing education provider for architects in Florida, Indiana, Maryland, New Jersey (Approval No. 26GPR0000700), North Carolina, and North Dakota. HalfMoon Education is an approved architect continuing education provider for Florida architects and is deemed an approved continuing education provider for New York engineers and architects.

The International Code Council has approved this event for 6.0 CEUs in the specialty area of Sustainability (Preferred Provider No. 1232).

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

International Residential Code
Development and Enforcement of International Residential Code
- WEBINAR: Thurs., March 12, 2020, 11:00 AM - 12:00 PM CST
- IRC Building Planning and Shell Construction, Part I
  WEBINAR: Thurs., March 12, 2020, 1:00 - 2:50 PM CST
- IRC Building Planning and Shell Construction, Part II
  WEBINAR: Fri., March 13, 2020, 11:00 AM - 12:30 PM CST
- IRC Energy Efficiency and Building Systems
  WEBINAR: Fri., March 13, 2020, 1:00 - 3:00 PM CST

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

Webinars
- 5 Noon EST
- Required Pre-registration
- Link will be available to registrants closer to date of webinar.

Additional Learning

Solar Photovoltaic Project Design and Development
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 CST
- IRC Building Planning and Shell Construction, Part I
  Thurs., March 12, 2020, 1:00 - 2:50 PM CST
- IRC Building Planning and Shell Construction, Part II
  Fri., March 13, 2020, 11:00 AM - 12:30 PM CST
- IRC Energy Efficiency and Building Systems
  Fri., March 13, 2020, 1:00 - 3:00 PM CST

How to Register

Online:
www.halfmoonseminars.org

Phone:
715-835-5980
Fax:
715-835-6066
Mail:
HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278

Complete the entire form. Attach duplicates if necessary.

Tuition
- Receive a reduced tuition rate of $101 for registrants of three or more registrations.
- 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
- Make payable to HalfMoon Education Inc.

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

Credit Card Number:
Expiration Date: ____________
CVV2 Code: ____________

Checks:
Make payable to HalfMoon Education Inc.

Cardholder Name:
Billing Address:
City: ________
State: ________
Zip: ________

Email: ____________

© 2020 HEI #20 TXWCR05BP 4 29 AUST LH

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.