SLOAN CONTINUING EDUCATION COURSE SUMMARIES

Registered Provider Program Summary Handout

Program: **Specifying Plumbing Fixtures for K-12 and Higher Education Facilities**

Length: **1 Hour**

Credits: **1 AIA LU/HSW Hour, 1 GBCI CEU, 1 IDCEC 0.1 CEU, and 0.1 PDH ASPE CEU**

Program#: **SVC042018**

Provider#: **J866**

Course Description: Restroom design for educational facilities has unique considerations, and further differences arise when planning for K-12 or higher education projects. Budget and maintenance are top concerns for both sectors, but building operators and designers must also deal with the simple reality that the majority of users are youth who may not be mature enough to properly care for these heavy traffic spaces. Sustainability and ADA compliance are also chief concerns in restroom design.

Learning Objectives:

1. Examine the factors that influence commercial restroom design for K-12 education facilities such as design, specification process, product preference for new construction vs. retrofits, water conservation and sustainability efforts.

2. Review the factors that influence commercial restroom design for higher education facilities such as design, specification process, product preference for new construction vs. retrofits, water conservation and sustainability efforts.

3. Identify how product selection of electronic sensors, low flow and dual flush toilets, retrofits for faucets and flushometers, as well as solar and turbine power contribute to water conservation for energy and cost savings.

4. Understand how compliance with ADA affects commercial restroom product selection for education facilities.

Method of Delivery

The course is offered to architectural, design and engineering professionals in a breakfast, lunch and learn or after hours setting. The course is presented in PowerPoint.

Cost to Participants

There is no cost for this program. The course is sponsored by the manufacturer and therefore is offered at no cost. A course attendance document will be presented to attendees for use in filing for CEUs.

Program: Electronic Sensor Faucets Improve Hygiene and Conserve Water in Commercial Restrooms

Length: 1 Hour

Credits: 1 AIA HSW LU Hour, 1 LEED CEU 0.1 IDCEC CEU, 0.1 or 1 PDH ASPE CEU

Program#: SLV12915

Provider#: J866

Course Description: Sensing technologies based on electronics are often used for hands-free activation of plumbing fittings such as faucets to improve user accessibility, overall hygiene, and restroom cleanliness. Electronic plumbing fittings offer sanitary, touch-free operation, while conserving water and energy because they only dispense water when the sensor detects a user and can also limit water delivery duration. This course will cover how electronic sensor faucets improve hygiene in commercial settings, contribute to water conservation and industry regulations will be discussed.

Learning Objectives:

1. Understand how electronic sensor faucets improve hygiene in commercial settings.
2. Examine the various technologies, options, and settings available in electronic sensor faucets.
3. Describe the importance of electronic sensor faucet selection for specific markets and applications.
4. Identify how electronic sensor faucets contribute to water conservation.
5. Understand how regulatory compliance factors into electronic sensor faucet selection.

Method of Delivery

The course is offered to architectural, design and engineering professionals in a breakfast, lunch and learn or after hours setting. The course is presented in PowerPoint.

Cost to Participants

There is no cost for this program. The course is sponsored by the manufacturer and therefore is offered at no cost. A course attendance document will be presented to attendees for use in filing for CEUs.

Program: Selecting Plumbing Fixtures for Commercial Restrooms in Healthcare Facilities

Length: 1 Hour

Credits: 1 AIA HSW LU Hour, 1 LEED CEU, 1 IDCEC CEU, 0.1 or 1 PDH ASPE CEU

Program#: AR-102017-2

Provider#: J866

Course Description: Healthcare facilities deal with diverse challenges, from the transmission of infectious diseases to the growing population of bariatric patients; they can help address these challenges and provide a healthier, safer environment through the use of specialized plumbing products and features. This learning unit provides an overview of technologies and products specific to healthcare settings, discusses ADA requirements and reviews products that enhance the safety and comfort of patients and visitors.

Learning Objectives:

1. Understand infectious disease control and implications of Healthcare-Associated Infections (HAIs).
2. Explain the importance of washing hands, and describe the pros and cons of various approaches, including hand dryers vs. paper towels and sensor-activated (hands-free) vs. manual products.
3. List implications of unique plumbing products designed for healthcare facilities, including bed pan washers, toilets with bed pan lugs, surgeon stainless steel sinks, clinic service sinks and bariatric water closets.
4. Describe how compliance with ADA regulations affects commercial restroom product selection.

Method of Delivery

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Cost to Participants

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Program: Conserving Water Through the Latest Updates to High Efficiency Fixtures

Length: 1 Hour

Credits: 1 AIA HSW LU Hour, 1 LEED CEU, 0.1 IDCEC CEU, 0.1 or 1 PDH ASPE CEU

Program#: SLV12315

Provider#: J866

Course Description: Water scarcity is getting worse in many parts of the U.S. and the world, which has led to an increase in "green" legislation, codes, and standards, as well as greater recognition and adoption of LEED certification. In turn, this has led to a continued increase in sales of High-Efficiency Toilet (HET) and High-Efficiency Urinal (HEU) fixtures. This drive for water conservation and demand for high-efficiency plumbing products will only increase over time. This course will discuss how manufacturers are responding to this need with new toilet and urinal technologies.

Learning Objectives:

1. Discuss the importance of water conservation and how high-efficiency toilet systems can aid in these efforts.

2. Review the technology behind hybrid urinals and how this product can contribute to water conservation.

3. Examine a study that explored how a reduction in water consumption impacts drain lines and the plumbing system as a whole.

4. Identify changes in LEED v4 related to water efficiency.

Method of Delivery

The course is offered to architectural, design and engineering professionals in a breakfast, lunch and learn or after hours setting. The course is presented in PowerPoint.

Cost to Participants

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Program: Conserving Water with Reclaimed Water Flushometers

Length: 1 Hour

Credits: 1 AIA LU/HSW Hour, 1 LEED CEU, 0.1 IDCEC CEU, 0.1 or 1 PDH ASPE CEU

Program#: SLV020416

Provider#: J866

Course Description: Commercial facilities using reclaimed water for flushing toilets and urinals should be mindful of the negative impact this harsher water can have on plumbing systems including flushometers. New flushometers are available that have been specifically engineered for reclaimed water applications. This course will cover the importance of water conservation, how reclaimed water contributes to water conservation, the risks that reclaimed water poses for traditional flushometers, and how new reclaimed water flushometers address these risks, as well as reclaimed water flushometer options available on the market today.

Learning Objectives:

5. Review the importance of water conservation.
6. Describe how reclaimed water contributes to water conservation.
7. Understand risks that reclaimed water poses for traditional flushometers and how these risks are addressed.
8. Explain options available for reclaimed water flushometers.

Method of Delivery

The course is offered to architectural, design and engineering professionals in a breakfast, lunch and learn or after hours setting. The course is presented in PowerPoint.

Cost to Participants

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Program: **Understanding Regulatory Compliance for Water Efficiency in Commercial Plumbing**

Length: 1 Hour

Credits: 1 AIA LU/HSW Hour, 1 LEED CEU, 0.1 IDCEC CEU, 0.1 or 1 PDH ASPE CEU

Program#: SLV1016

Provider#: J866

Course Description: This course seeks to inform architects and LEED professionals, as well as plumbing engineers and designers, about the various aspects of regulatory compliance for plumbing fixtures. The course will review the history and adoption of plumbing codes, standards, and certifications. The course will also provide detailed analysis of how these can help reduce water consumption while maintaining maximum performance.

Learning Objectives:

9. Review the history and current status of codes and standards for interior commercial plumbing water efficiency and the water-energy nexus.
10. Understand the differences between various third-party certifications including IAPMO, ICC, NSF, and UL CSA, as well as UPC, cUPC, and UPC GREEN.
11. Discuss how the current codes and standards have reduced water consumption rates and how there is a lack of consistency between federal, state, and local regulations.
12. Understand the introduction of voluntary specifications for water-using urinals and the new flushometer-valve water closets and high efficiency flushometer valves to WaterSense, including differences in dual flush and MaP requirements.

Method of Delivery

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Cost to Participants

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Program: Sink Selection for Sustainability and Accessibility

Length: 1 Hour

Credits: 1 AIA LU Hour, 1 LEED CEU, 0.1 IDCEC CEU, 0.1 or 1 PDH ASPE CEU

Program#: SLVAD16

Provider#: J866

Course Description: This course reviews restroom design trends for commercial buildings by focusing on sink/lavatory system technology and the sustainability and accessibility trends surrounding them. The program will discuss the expanding role architects and designers play in accessible designs – striking a balance between hand washing needs and design flexibility. The program compares a variety of sink/lavatory systems and corresponding components. It discusses how each component can enhance the sustainably of hand washing functions while still providing style within a space. By narrowing the scope to restroom lavatory design, attention will be given to examine the appropriate ADA design criteria.

Learning Objectives:

13. Understand Architects and Designers role in sustainable and accessible designs.
14. Review the various standard and sustainable sink/lavatory materials, style options and potential LEED credits.
15. Review Sink/Lavatory Component options and how they improve a buildings sustainability efforts.
16. Evaluate and review ADA criteria to consider when planning for commercial bathrooms sinks/lavatories.
17. Specifications review – how to specify an integrated solid surface sink system.

Method of Delivery

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Cost to Participants

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Program: Maximizing Water Efficiency for Sustainable Restroom Design

Length: 1 Hour

Credits: 1 AIA HSW LU Hour, 1 LEED CEU, 0.1 IDCEC CEU, 0.1 or 1 PDH ASPE CEU

Program#: SLV9227.1

Provider#: J866

Course Description: This course is designed to help attendee's stay current regarding the latest water-efficient technologies. Sloan's water efficiency course will educate on building water conservation concerns and issues with special considerations to the designer's requirements. We will discuss today's innovative, water-efficient plumbing systems that make water conservation attainable and help achieve sustainable building goals. This will also include leading plumbing innovations such as high-performance high efficiency water closets, state of the art solar powered plumbing fixtures, and fractional flushing urinals

Learning Objectives:

1. Review facts about water and water use in the U.S.
2. Understand the movement toward "Green Building" and programs that outline ways to save water.
3. Review the LEED rating system and how it applies to water efficiency.
4. Educate on water resources around the world.
5. Describe different water conservation legislation.
6. Learn specific green design restroom applications.
7. Look at water usage per industry.
8. Talk about fixture performance testing.
9. List the benefits of High Efficient fixtures.
10. Learn what to look for when choosing water saving products.

Method of Delivery

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Cost to Participants

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For more information or to schedule class please contact:

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