

FEMP eTraining Core Course Best Practices for Comprehensive Water Management for Federal Facilities

4.50 Hrs 0.50 CEUs

This training provides the knowledge and skills to increase efficiency and reduce water use through sound operations and maintenance practices and water-efficient technologies. It also covers methods to meet non-potable water needs through the use of alternate water sources, such as rainwater harvesting and reclaimed wastewater. Best practices for water metering are discussed as well as establishing the overall economics for strategic water management.

The course instructor is Kate McMordie Stoughton, CEM, LEED AP. She is a water efficiency engineer with Pacific Northwest National Laboratory where she develops and instructs water resource management workshops, develops strategic plans for water management at Federal sites, and assists with policy guidance.

Participants will learn to:

- Choose among the best methods for distribution system leak detection and repair
- Understand irrigation water efficient O&M practices
- Specify indoor and outdoor water efficiency solutions for facilities, demonstrating knowledge of various technologies, EPA WaterSense, and life cycle costs
- Select water efficiency solutions for process equipment and water distribution systems including technology selection, retrofit options, O&M considerations, and life cycle costs
- Identify alternate water sources to meet facility needs for non-potable water
- Select water metering options to improve water performance by using metered data to analyze water use
- Develop a long-range water management plan based on a comprehensive analysis of current and projected water use and effective water efficiency solutions
- Apply life cycle cost analysis techniques to develop water management strategies and take advantage of the Building Life-Cycle Cost (BLCC) software program to analyze life cycle costs

After completing a course evaluation and multiple-choice assessment, participants will receive a certificate of completion and be eligible for continuing education units.

FEMP Core Courses are designed for Federal energy and facility managers, but are open to all individuals at femp.energy.gov/training. Hosted in partnership with the National Institute of Building Sciences Whole Building Design Guide at http://www.wbdg.org/education/femp_ce.php.

Requires Google Chrome, Firefox 4.0+, Internet Explorer 7.0+ or Safari, and the Adobe Flash 9+ plugin.

For more information, visit the [FEMP Training](http://femp.energy.gov/training) website.

For other free, self-paced eTraining Core Courses offered by FEMP in association with the Whole Building Design Guide, visit <http://apps1.eere.energy.gov/femp/training/etraining.cfm>