# Form for Scoring of Training Resource to Fulfill Federal Building Personnel Training Act (FBPTA) Core Competencies

The FBPTA requires Federal building personnel to demonstrate compliance with a set of Core Competencies. The General Services Administration (GSA) accepts submissions for courses, certificates, certifications, accreditations, registrations, licenses, and other qualifications that demonstrate alignment with the FBPTA Core Competencies. GSA will post resources that sufficiently map to FBPTA Core Competency requirements on the FMI webpage (www.fmi.gov) and may incorporate them into the Core Competency Web Tool. The Web Tool allows Federal building personnel to immediately earn credit for competencies met by completing approved training. FMI and the Core Competency Web Tool help Federal employees identify appropriate training, and allow Federal agencies to share information on training sources. To qualify for consideration, submitters complete this form describing how a specific training resource, certification/accreditation, license or other resource aligns with FBPTA core competencies through AskFMI@gsa.gov.

## Initial Review Conducted By: Maria Fara
Initial Review Submission Completion Date: 10-25-13

## Technical Review Conducted By: Angela Lewis
Technical Review Submission Completion Date: 11-13-13

## Alignment of Competency with Functional Roles

<table>
<thead>
<tr>
<th>FBPTA Core Competency Area</th>
<th>FBPTA Core Competency</th>
<th>Often Aligned with Facility Management roles (24/43 Core Competencies)</th>
<th>Often Aligned with Building Operations Professional roles (6/43 Core Competencies)</th>
<th>Often Aligned with Energy Management Role (7/43 Core Competencies)</th>
<th>Often Aligned with more than one role (6/43 Core Competencies)</th>
</tr>
</thead>
</table>

## Initial Review
- Are all submission requirements included?
- Are descriptions clear and logical?
- Are all materials referenced included with the submission?

## Technical Review
- Learning Objectives Reviewed
- Skills Reviewed
- Are there any clarifications requested?
- If clarification requested, note here: Clarification Response From Provider

## Required FBPTA performance criteria

1. **Please complete the following for each training course submitted for consideration:**

   **Training provider:** Department of Energy: Federal Energy Management Program (FEMP)
   **Provider address information (primary physical location, including address, city, state, zip code):** Department of Energy, Federal Energy Management Program, 5E-089, Forestal Building, 1000 Independence Avenue, Washington, D.C. 20585
   **Provider's primary point of contact for this learning resource (name, primary physical location if different from provider address information, phone, and email):** Beverly Dyer, 202-586-7241, beverly.dyer@ee.doe.gov.
   **Title of this training resource:** FEMP06: Managing a Water Assessment in a Federal Facility
   **Type of training course:** web-based training

2. **Review the course objective(s) that have been submitted as being aligned with required FBPTA performance criteria. Review the learning methods in the course that will support that learning objective(s).**

   **Learning objective(s) associated with this certificate program course:** By completing this course you will learn to manage the process for conducting a water assessment (audit) in a Federal building including:
   1. Planning and/or managing a water assessment at a Federal site.
   2. Developing a water balance based on knowledge of the water distribution system for the facility and using available information such as utility bills and metered data.
   3. Planning and/or managing walk-through surveys that address building plumbing fixtures, laboratory equipment, cooling towers, and irrigation.
   4. Developing a plan for improving water efficiency using the water balance and the walk-through survey findings.
   5. Identifying water efficient technologies and assessing the economics of each technology so implementation of the technologies can be prioritized.
   6. Learning the basic components of conducting comprehensive water assessments through private water management firms.

   **Delivery method and learning methods:** delivery methods may include online instruction, classroom instruction, or other means, and learning methods could include lecture, group work, essay, work, quiz, or other learning activities. This is a web-based training course divided into 6 learning modules. Methods of instruction include use of advance organizers and review at the end of each module, short video lectures by an expert instructor, narrated information supported by visual reinforcement, interactive exercises, visual displays of information supported by rollover text, links to more in-depth information, etc.

   **Length of training (in hours):** varies by learner but approximately 4 hours.

   **URL link to information about the training course, content, and/or syllabus:** [http://www.wbdg.org/education/femp06.php](http://www.wbdg.org/education/femp06.php)

## 1. Please complete the following for each training course submitted for consideration:

   - **Training provider:** Department of Energy: Federal Energy Management Program (FEMP)
   - **Provider address information (primary physical location, including address, city, state, zip code):** Department of Energy, Federal Energy Management Program, 5E-089, Forestal Building, 1000 Independence Avenue, Washington, D.C. 20585
   - **Provider's primary point of contact for this learning resource (name, primary physical location if different from provider address information, phone, and email):** Beverly Dyer, 202-586-7241, beverly.dyer@ee.doe.gov.
   - **Title of this training resource:** FEMP06: Managing a Water Assessment in a Federal Facility
   - **Type of training course:** web-based training

## Required FBPTA Performance Criteria

<table>
<thead>
<tr>
<th>FBPTA Core Competency Area</th>
<th>FBPTA Core Competency</th>
<th>Required FBPTA Performance Criteria</th>
</tr>
</thead>
</table>

## 2. Review the course objective(s) that have been submitted as being aligned with required FBPTA performance criteria. Review the learning methods in the course that will support that learning objective(s).
### 1. Demonstrate familiarity with building systems.

- **Objective:** Demonstrate knowledge of water efficiency principles that are applicable in both the public and private arenas.
- **Skills/Materials Covered:** Knowledge of water policy and goals found in Laws and Executive Orders.
- **Learning Methods:** Review of the learning objectives and the syllabus.
- **Clarification:** Since the course focuses only on water systems, the skills/materials covered do not adequately address the objectives.
- **Outcome:** None

### 2. Demonstrate knowledge of water efficiency principles that are applicable in both the public and private arenas.

- **Objective:** Demonstrate knowledge of key building performance measures, where and how to read them, and reporting requirements.
- **Skills/Materials Covered:** Knowledge of Federal water policy and goals found in Laws and Executive Orders.
- **Learning Methods:** Review of the learning objectives and the syllabus.
- **Clarification:** Although the course includes cooling systems, vertical transportation, structural, roofing, building envelope systems, it does not sufficiently represent HVAC systems.
- **Outcome:** None

### 3. Demonstrate ability to work with facilities teams to assess a facility's need for building systems.

- **Objective:** Demonstrate ability to work with facilities teams to assess the needs of a facility for building systems.
- **Skills/Materials Covered:** Knowledge of key building performance measures, where and how to read them, and reporting requirements.
- **Learning Methods:** Review of the learning objectives and the syllabus.
- **Clarification:** Since the course focuses on water systems, including cooling towers (as examples of HVAC systems), plumbing and irrigation systems, the performance criteria also require that electrical and standby generation, lighting, the protection, vertical transportation, structural, roofing, building envelope systems be covered. It is not clear that these systems are included in the course.
- **Outcome:** None

### 4. Demonstrate ability to coordinate HVAC system changes.

- **Objective:** Demonstrate ability to coordinate HVAC system changes.
- **Skills/Materials Covered:** Knowledge of key building performance measures, where and how to read them, and reporting requirements.
- **Learning Methods:** Review of the learning objectives and the syllabus.
- **Clarification:** Since the course focuses on water systems, including cooling towers (as examples of HVAC systems), plumbing and irrigation systems, the performance criteria also require that electrical and standby generation, lighting, the protection, vertical transportation, structural, roofing, building envelope systems be covered. It is not clear that these systems are included in the course.
- **Outcome:** None

### 5. Demonstrate knowledge of water efficiency principles that are applicable in both the public and private arenas.

- **Objective:** Demonstrate knowledge of water efficiency principles that are applicable in both the public and private arenas.
- **Skills/Materials Covered:** Knowledge of Federal water policy and goals found in Laws and Executive Orders.
- **Learning Methods:** Review of the learning objectives and the syllabus.
- **Clarification:** Although the course includes cooling systems, vertical transportation, structural, roofing, building envelope systems, it does not sufficiently represent HVAC systems.
- **Outcome:** None

### 6. Water Efficiency

- **Objective:** Demonstrate knowledge of Federal water policy and goals found in Laws and Executive Orders.
- **Skills/Materials Covered:** Knowledge of Federal water policy and goals found in Laws and Executive Orders.
- **Learning Methods:** Review of the learning objectives and the syllabus.
- **Clarification:** Although the course includes cooling systems, vertical transportation, structural, roofing, building envelope systems, it does not sufficiently represent HVAC systems. Specifically, the course does not address HVAC system changes.
- **Outcome:** None

### 7. Water Audit

- **Objective:** Demonstrate ability to work with facilities teams to assess a facility's need for building systems.
- **Skills/Materials Covered:** Knowledge of key building performance measures, where and how to read them, and reporting requirements.
- **Learning Methods:** Review of the learning objectives and the syllabus.
- **Clarification:** Since the course focuses on water systems, including cooling towers (as examples of HVAC systems), plumbing and irrigation systems, the performance criteria also require that electrical and standby generation, lighting, the protection, vertical transportation, structural, roofing, building envelope systems be covered. It is not clear that these systems are included in the course.
- **Outcome:** None

### 8. Performance Measures

- **Objective:** Demonstrate knowledge of key building performance measures, where and how to read them, and reporting requirements.
- **Skills/Materials Covered:** Knowledge of Federal water policy and goals found in Laws and Executive Orders.
- **Learning Methods:** Review of the learning objectives and the syllabus.
- **Clarification:** Although the course includes cooling systems, vertical transportation, structural, roofing, building envelope systems, it does not sufficiently represent HVAC systems.
- **Outcome:** None

### 9. Launching/Disseminating

- **Objective:** Demonstrate ability to work with facilities teams to assess a facility's need for building systems.
- **Skills/Materials Covered:** Knowledge of key building performance measures, where and how to read them, and reporting requirements.
- **Learning Methods:** Review of the learning objectives and the syllabus.
- **Clarification:** Since the course focuses on water systems, including cooling towers (as examples of HVAC systems), plumbing and irrigation systems, the performance criteria also require that electrical and standby generation, lighting, the protection, vertical transportation, structural, roofing, building envelope systems be covered. It is not clear that these systems are included in the course.
- **Outcome:** None