



Federal Utility Partnership Working Group Meeting: Washington Update

October 16, 2012

Timothy D. Unruh, PhD, PE, CEM, LEED AP
Program Manager, DOE FEMP

**The Federal Buildings Personnel
Training Act of 2010**



Commit to Efficiency



Customer Service



Other FEMP Activities



Update on Presidential Memo



OMB M-12-21

The Federal Buildings Personnel Training Act of 2010

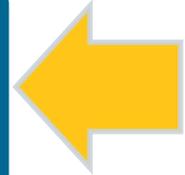
Commit to Efficiency

Customer Service

Other FEMP Activities

Update on Presidential Memo

OMB M-12-21



- What the Act does
 - Requires Training of Federal Employees to maintain core competency in their ability to operate and maintain Federal Facilities
 - Requires GSA to identify core competencies for Federal Personnel
 - Building Operation and Maintenance
 - Energy Management
 - Safety

- Recommended curriculum, June 2012, includes the following FEMP seminars and courses:
 - Operations, Maintenance & Commissioning
 - Energy 101
 - Implementing Deep Retrofits
 - Achieving Energy Security in Federal Facilities
 - Advanced Metering Solutions for Federal Agencies
 - Selecting and Evaluating New and Underused Energy Technologies
 - Federal Renewable Energy Project Implementation from RFP to Project Closeout

**Free and available on FEMP's Training website:
<http://apps1.eere.energy.gov/femp/training>**

By end of October 2012

- Commissioning for Existing Buildings
- Managing Energy Assessments
- A Comprehensive Approach to UESCs
- Power Purchase Agreements
- Advanced Electric Metering
- A Comprehensive Approach to Water Assessments
- Selection & Implementation of PV Systems
- Behavior Change for Results

The Federal Buildings Personnel
Training Act of 2010

Commit to Efficiency

Customer Service

Other FEMP Activities

Update on Presidential Memo

OMB M-12-21

- The Federal Government could save additional energy each year
 - 25 trillion of additional savings is available
 - \$500 Million estimated cost

- FEMP has set a goal to capture 30% of this energy savings in the next fiscal year.

1. Register for the Campaign

– Who Should Register and Join?

- Federal procurement officials, facility managers, energy managers, architects, technical specifiers, energy auditors, designers, and occupants of Federal buildings.

2. Access Free Resources and Training

– Participants will become members of a moderated mailing list to which they can pose questions, and seek advice and support

- Have access to FEMP feedback, free energy and cost estimates, free monthly tracking of accomplishments, and to be eligible for agency and government-wide recognition programs.

3. Buy/Specify Energy Efficient Products

4. Spread the Word!

- Visit: www.femp.energy.gov/commit

**The Federal Buildings Personnel
Training Act of 2010**

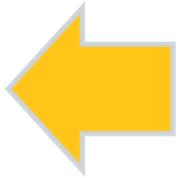
Commit to Efficiency

Customer Service

Other FEMP Activities

Update on Presidential Memo

OMB M-12-21



- Agency Specific (Planting)
 - Department of Transportation
 - Fleet Goals
 - Energy Audit Goals
- Project Focus (Harvesting)
 - Project Tracking
- Reform Interagency Working Groups (Fertilizing)
 - Ensure clear purpose and mandate of group

**The Federal Buildings Personnel
Training Act of 2010**

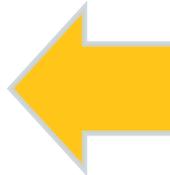
Commit to Efficiency

Customer Service

Other FEMP Activities

Update on Presidential Memo

OMB M-12-21



- Coordination of Agency Testing and Evaluation
 - GSA, DoD, Navy, Army, others
 - Common understanding of evaluation
 - Common method of information dissemination
- FEMP Awards
 - Better Buildings Federal Award
 - Annual Water and Energy Awards
 - PILOT: Awards at Military Academies
- Interagency Coordination
 - DoD – Air Force, Navy, Army
 - Department of Commerce – Customer Service Effort

DOE Technology Portal

- Provide credible energy savings data for technology categories
 - Independent third-party labs
 - Vendors/manufactures
- Retrieve data from Portal end users
 - Federal Agencies
 - Commercial building owners
- EISA 432 Guidance
 - Defines how agencies interact with the EISA 432 Compliance Tracking System (CTS) Database – to go live in 2013.

**The Federal Buildings Personnel
Training Act of 2010**

Commit to Efficiency

Customer Service

Other FEMP Activities

Update on Presidential Memo

OMB M-12-21

- Progress: On Track
- Challenges: FEMP understands the frustration and continues to work through the issues
 - Memo caused boom for ESPC and uncertainty for UESC
 - Too many agencies still believe that UESCs do not count toward the \$2B goal – **THEY ALWAYS COUNTED!!**
- **An important indicator:** FEMP has been submitting UESC data to OMB for the past 11 months, and all has been accepted without contention and is being counted toward the goal
- Another challenge: There was no blanket statement on scoring for UESCs (as there is for ESPCs in the 1998 Presidential Memo)

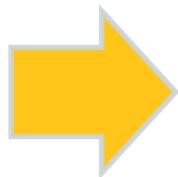
**The Federal Buildings Personnel
Training Act of 2010**

Commit to Efficiency

Customer Service

Other FEMP Activities

Update on Presidential Memo



OMB M-12-21

- OMB M-12-21 covers two primary areas:
 - 1) Scoring of Utility Energy Services Contracts
 - 2) Defines the parameters of purchasing renewable power within an ESPC or UESC

- OMB M-12-21 resolves an issue of scoring UESCs
- *“This guidance covers conditions of using ESPC and UESC authority and extends the **budget scoring treatment prescribed in OMB Memo M-98-13** to include UESCs and onsite energy sources in ESPCs, **if they meet the four criteria described below.**”* (more on the four criteria on next slide)
- *“**budget scoring treatment prescribed in OMB M-98-13**” =*
 - Capital costs may be scored (and obligated) annually rather than all up front

Specified in the statutory definition (42 USC §8259(4)):

- Must be applied to a Federal Building (facility)
- Must improve energy efficiency (on site or source basis)
- Must be life-cycle cost-effective (compared to existing)
- Must involve energy conservation, cogeneration facilities, renewable energy sources, improvements in O&M efficiencies, or retrofit activities

Nothing New – Standard information from existing statutes.

- UESCs may be scored (and obligated) annually rather than up front if the UESC requires:
 - “energy savings performance assurances or guarantees of savings to be generated by improvements, which must cover the full cost of the Federal investment for the improvements;
 - M&V of savings through commissioning and retro-commissioning; and
 - (above two criteria are from FEMP Guidance from August 2007)
 - competition or an alternatives analysis as part of the selection process...”

Purchasing Onsite Energy Generation

- May be scored annually if Government retains title to the installed capital goods at the conclusion of the contract

Lease arrangements must be scored up front

- Standard rules in OMB Circular A-11

PPAs and Large-Scale Generation

- “To qualify for the scoring on an annual basis covered under this memo ..., ESPC and UESC authority may NOT be used for long-term purchase of off-site new renewable generation or to build merchant-scale power generating facilities on federal land.”
- Summaries of all lease arrangements related to power purchase agreements should be submitted to OMB and DOE FEMP in advance of award
 - Per OMB-CEQ Memo of August 16, 2011

- DRAFT - ESPC PPA Information Submission Process

Start

- Agency decides to move forward with ESPC and notifies FEMP of their plans to include a PPA ECM; FEMP notifies OMB.

Preliminary Assessment (PA) Stage

- Upon completion of PA, FEMP helps Agency fill out information template; FEMP forwards template to OMB.

Investment Grade Audit (IGA) Stage

- Upon completion of the IGA, FEMP helps Agency update information template.

OMB Review Period

- FEMP sends updated template & draft agreements to OMB.

Contract Award

- Agency forwards final agreements and template to FEMP.

- FEMP assists OMB in providing oversight on compliance and agency progress on President's \$2B goal
- Agencies
 - Should take advantage of FEMP's expertise
 - Should use the OMB MAX Collect reporting tool
 - Are required to report monthly on agency implementation plans and milestones on projects counting toward \$2B goal
 - Should keep FEMP apprised of all contract actions and awards counting toward \$2B