

FUPWG: Washington Update

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# Agenda

- Mission
- FEMP's Role
- White House Capital Solar Challenge
- President's Performance Contracting Challenge
- UESC
- IDIQ Re-compete
- eProject Builder- UESC Inclusion
- ENABLE- UESC Inclusion
- Operations and Maintenance
- FEEF Awards-include next award technology
- Energy Exchange
- Fossil Fuel Rule: SNOPR
- Vision for PBC of the Future
- Questions





FEMP works with key individuals to accomplish energy change within organizations by bringing expertise from all levels of project and policy implementation to enable Federal Agencies to meet energy related goals and to provide energy leadership to the country.



# FEMP's Role is to Facilitate Action

FEMP works with Federal agencies to deploy technologies, tools, and knowledge within the Federal Government by:

- Prioritizing technologies
- Identifying technology demonstration sites
- Assisting Federal facilities with project planning and implementation
- Training and educating Federal Energy
   Managers

# White House Capital Solar Challenge

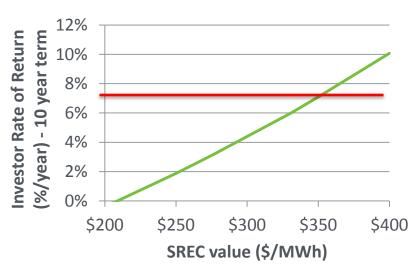
Nation's Capital helps lead the way to meet the 20% Renewable Energy Goal by 2020 within Presidential Memorandum.

 Directs Federal agencies, military installations, and Federallysubsidized complexes to identify opportunities to deploy solar at Federal locations across the National Capital Region.

#### **Current Status**

 Goal is to have agencies release an RFP in FY2015.







#### Presidential Performance Contracting Challenge (PPCC) Progress to Date

Highlights of Key Statistics (Preliminary Data as of 10/15/14) 2014-2016 Projects

#### Overall Investment of Pipeline and Signed \$

Agencies identified projects with an estimated \$4.06B investment value - 102% of \$3.97B commitment

#### **Overall Projects #**

Agencies identified 342 projects: DOE 153, ACOE 56, UESC 105, ENABLE 2,
Other 26

#### **Awarded Investment \$**

174 projects have been awarded with an investment value of \$1.79B

# Presidential Performance Contracting Challenge (PPCC) UESC Progress to Date

Highlights of Key Statistics (Preliminary Data as of 10/15/14)
2014-2016 Projects

#### Overall Investment of Pipeline and Signed \$

Agencies identified projects with an estimated \$606.2M investment value - of \$3.97B commitment

### **Overall Projects #**

Agencies identified 105 projects

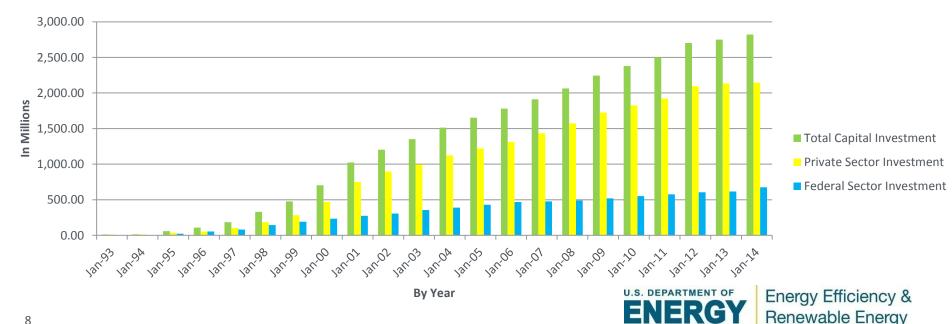
#### Awarded Investment \$

59 projects have been awarded with an investment value of \$278.8M

# **Utility Energy Service Contract (UESC)**

#### **Current Status**

- Several new Utilities now offer UESCs.
- New Utility Training geared to promoting new utilities to offer UESCs
- 641 people attended UESC training in FY14
- Navy (NAVFAC) has increased utilization of UESC
- Virginia Beach, VA FUPWG Attendance: 184 Attendees



# IDIQ Re-compete

FEMP encourages everyone to check with the DOE Forecast site for the latest information. (http://hqlnc.doe.gov/forecast)



# eProject Builder (ePB) Update

#### What is it?

 A new Performance Based Contract data entry and tracking system with performance benchmarking capabilities



#### Who uses it?

Energy Services Companies (ESCOs), Utility
 Companies, and their contracting agencies

#### What's the value?

Enables ESCOs, Utility Companies, and contracting agencies to:

- Upload and track project-level information
- Generate basic project reports required by local, state, and/or federal agencies
- Benchmark Performance Based Contract projects against historical data



## ePB for UESCs

#### Can UESCs be entered into ePB now?

- Yes, with some exceptions for terminology
- Override function is available to accept any cash flow model
- Available now for testing and pilot use for a project
- Request an account: <u>epb-support@lbl.gov</u>
- Access to ePB: <a href="https://epb-test.lbl.gov">https://epb-test.lbl.gov</a>



#### **Future development plans**

- Stakeholder engagement to prioritize future development activities
- Alignment of terminology between ESPC and UESC projects
- Evaluation of different cash flow models
- Benchmarking new UESC projects against historical data



#### **ENABLE**

#### **Updates in the Program**

- GSA Schedule 84 vendors expanded to 17 (7 small businesses; more applicants)
- Savings calculation tool adapted to conform with UESC terminology and requirements
- Pilot project underway utilizing updated savings tool
- Use of savings tool in future projects must be initiated or requested by Agency

#### **Pipeline Status**

- Active engagement with eight agencies/sub-agencies and additional targets in 2015
- Fluid pipeline of projects that currently include 20 distinct sites or facilities
- Projects include bundled sites as well as single to multi-ECM scopes
- Efforts continue to build organizational structures with agencies





# Operation and Maintenance (O&M)

# Standardizing descriptions of approaches/methodologies used in buildings energy efficiency improvement

- Audits
- Existing building commissioning
- Re-tuning
- Others as identified by FEMP



# Creating a comprehensive list of buildings improvements tools for inclusion in an online summary library to provide:

- Standardized descriptions of approaches/methodologies
- A listing of the tools (summary of capabilities and applicability, tool links, points of contact, and other information as needed).



# Federal Energy Efficiency Fund (FEEF) Awards

# FY2014 Awarded FEEF Projects

Awardee	Project Description	FEMP Budget	Cost Share	Total
NASA/Johnson Space Center	13.7 MW CHP NASA's first CHP plant	\$1,000,000 (2%)	\$55,500,000 (98%)	\$56,500,000
DOD Army/Aberdeen	7.9 MW CHP Will establish DOD CHP protocols	\$682,770 (2%)	\$36,598,000 (98%)	\$37,280,770
NSF/Arctic Program	30 kW CHP Pilot project for remote sites	\$140,000 (49%)	\$148,000 (51%)	\$288,000
USDA/USFS	220 kW PV + hydro Pilot project for off-grid w/ storage	\$850,000 (25%)	\$2,503,500 (75%)	\$3,353,500
DOJ/BOP	1.5 MW PV Pilot project for inmate labor	\$500,000 (14%)	\$3,190,231 (86%)	\$3,690,231
DOI/NPS	300 solar lights Pilot project for parkways	\$21,000 (37%)	\$35,000 (63%)	\$56,000
DOD AF/ANG	1.56 MW PV Site's first RE project	\$500,000 (6%)	\$7,236,136 (94%)	\$7,736,136
DOD Army/Ft Campbell	5 MW PV Utilizes abandoned landfill	\$800,000 (9%)	\$8,424,914 (91%)	\$9,224,914
DOT/FAA	246 kW PV First RE project in FAA's ESA	\$500,000 (42%)	\$700,000 (58%)	\$1,200,000
TOTAL	30 MW	\$4,993,770 (4%)	\$114,335,781 (96%)	\$119,329,551



## **Energy Exchange**

# FEMP will be holding the Energy Exchange training event for Federal facility energy professionals in FY2015

- Phoenix, AZ. August 11-13, 2015
- Roughly 80-90 training sessions

Training Sessions will offer certified Continuing Education Units (CEUs) via International Association for Continuing Education and Training (IACET)







## **Energy Management Readiness Indicator (EMRI)**

### Tool in development designed to help agencies assess their facility energy management practices

- Collects data and analysis to characterize an organization's energy management structure and practices
- Allows correlation with metrics of OMB Scorecard, ISO 50001, and other measures
- Focuses on qualitative information that directly support the FEMP mission and activity areas by assessing need and readiness for specific FEMP products and services.
- Assists FEMP to identify agency needs and to provide effective customer 16 Service

- Provides *useful information to* agencies regarding best-practices and areas for improvement
- Focuses on Agency/Bureau level; Adaptable to other organizations





#### Fossil Fuel Reduction SNOPR

By 2030, new buildings will be required to use zero fossil fuel generated energy.

Under the rule, agencies will be required to design their new buildings and major renovations to meet fossil fuelgenerated energy thresholds that decrease over time, compared to a similar building built in 2003.

The Fossil Fuel SNOPR is a supplemental notice, out for 60-day public comment closing Dec. 15, 2014.







# **Questions?**

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