



U.S. DEPARTMENT OF
ENERGY

Energy Efficiency &
Renewable Energy



FUPWG: Washington Update

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DOE FEMP

Agenda

- Mission
- Presidential Memorandum of 12/2/11
- White House Capital Solar Challenge
- eProject Builder
- ENABLE
- Data Centers Energy Efficiency Challenge
- 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.

Presidential Memorandum of 12/2/11 Update

- FEMP Deliverable Timelines:
 - Recommendations on RECs to CEQ by April 05, 2014.
 - Working Group completed Draft
 - Draft now circulating through DOE concurrence process
 - CEQ may wish to convert the document into a “REC Primer”
 - Update RE Guidance by June 05, 2014.
 - Working Group completed Draft.
 - Internal DOE briefings will occur shortly followed by concurrence process.
 - Update Metering Guidance by June 05, 2014.
 - Draft almost complete.
 - Webinar to share final draft with Working Group planned followed by Internal DOE briefings
 - Update Building Benchmarking Guidance by June 05, 2014.
 - Working Group completed Draft
 - Draft now circulating through DOE concurrence process
- GSA Strategy issue Green Button Guidance to be determined.
 - FEMP awaiting receipt of GSA Green Button Pilot Strategy
 - CEQ to convene next steps workshop on or about June 5th.
- Deliverables by Others:
 - GSA has 120 days for Green Button Pilot Strategy.
 - GSA development of a Pilot Strategy underway





Presidential Memorandum of 12/2/11

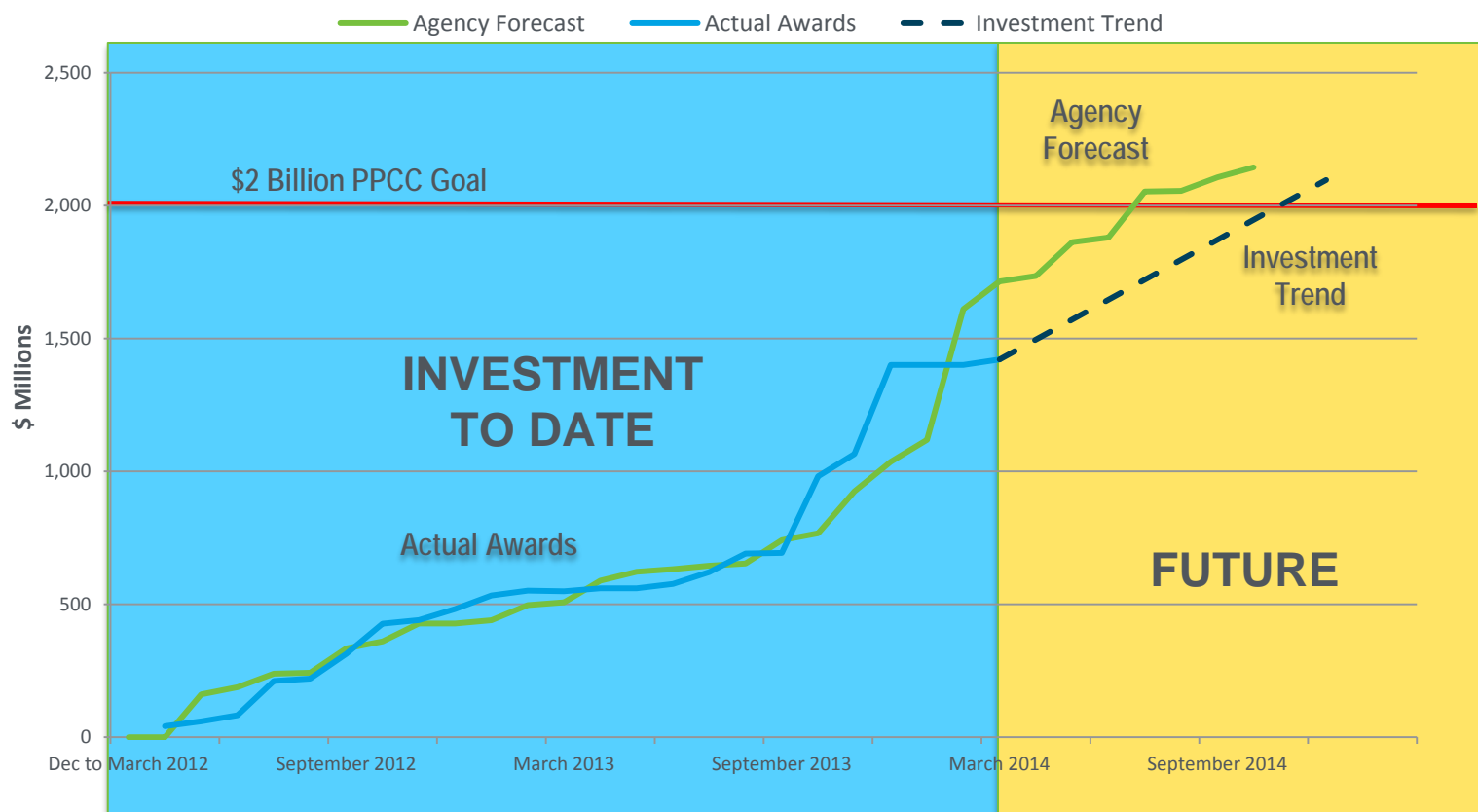
Implementation of Energy Savings Projects and Performance Based Contracting for Energy Savings

Key Stat	Description
Investment \$	Agencies identified projects (in the pipeline or awarded) with an estimated \$2.689B investment value
Projects #	Agencies identified 222 projects Majority of projects proposed are DOE ESPC, 92
Awarded Investment \$	139 projects have been awarded with an investment value of \$1.446B
Next Phase	83 projects are in the development pipeline, with expectations of a project being awarded

Data as of April 15, 2013

President Obama also announced Federal agencies will further expand their use of performance-based contracts through 2016 to upgrade the energy efficiency of Federal buildings at no cost to taxpayers.

Presidential Memorandum of 12/2/11 Past and Future Investment

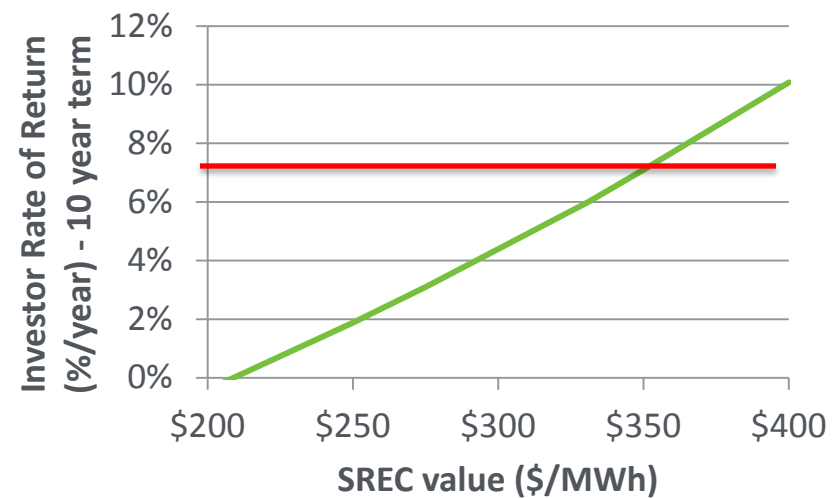


Investment Trend by June = \$1.65 Billion



White House Capital Solar Challenge

- Directs Federal agencies, military installations, and Federally-subsidized complexes to identify opportunities to deploy solar at Federal locations across the National Capital Region.
 - FEMP will provide technical and procurement assistance to reduce agency administrative requirements.
- **Nation's Capital helps lead the way to meet the 20% Renewable Energy Goal by 2020 within Presidential Memorandum.**
- **Excellent solar project opportunity for DC area sites.**
 - Electricity price from solar projects expected to be at or below the cost of grid electricity due to high solar renewable energy certificate (SREC) prices (~\$480/MWh).
 - Time sensitive opportunity since DC market SREC prices could decrease.
- **Council of Environmental Quality (CEQ) is providing leadership and high level support.**
- **Goal is to have agencies release a RFP this year.**
- **Contact Danny Gore, FEMP Technology Services Program Manager, Daniel.Gore@ee.doe.gov**





eProject Builder

- Creates a mold for project standardization.
- Streamlines data collection and reporting process within and across Federal, state, and local markets.
- Focuses currently on ESPC, but will incorporate USEC data collection in the near future.



ESPC ENABLE Tool

UESC ENABLE IGA (Investment Grade Audit) tool:

- Performs a comprehensive investment grade audit (IDA) designed for use by a contractor or energy services company (ESCO).
- Standardizes the energy and cost savings calculation methodology for targeted energy conservation measures (ECMs).
 - ECMs within the tools scope: Lighting, lighting controls, water, HVAC equipment, HVAC controls and Solar PV
- Outputs an IGA summary report of energy and cost savings by ECM and utility type, as well as summaries of equipment types throughout the project.





Data Centers Energy Efficiency Challenge

FEMP is recruiting from the Private and Federal Sectors for:

- “Soft Launch” of the effort to be held in the near future.
 - Participation goals:
 - Improve a portfolio of data centers by at least 20% within 10 years.
 - Improve a single major data center by at least 20% within 5 years.
- Annual awards ceremony to recognize most successful participants.



ESPC and UESC

Questions?

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