



U.S. DEPARTMENT OF
ENERGY

Energy Efficiency &
Renewable Energy

NASEO Energy Outlook Conference

February 6, 2014

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Agenda

- **Who is FEMP?**
 - Mission
- **How does FEMP provide market transformation through public buildings leadership?**
 - Terms
 - Technical
 - Tone
- **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.

My Goal:
Energy Saving Performance Contracts
(ESPC)
“business as usual.”

Terms

- Gaining common terms, processes, and procedures across the country can make Energy Saving Performance Contracts (ESPC) less “new.”

Terms

- Creating a mold for project standardization.
- E- Project Builder:
 - Creates a centralized repository for federal/state/local Energy Saving Performance Contract (ESPC) data that addresses a range of stakeholder needs.
 - Streamlines & standardizes data collection/reporting at project, building, and Energy Conservation Measure (ECM) level.
 - Streamlines data collection and reporting process within and across Federal, state, and local markets.
 - Keeps procurement-sensitive data protected.
 - Reduces Energy Saving Company's (ESCO) transaction costs.
 - Permits researchers to focus on analysis of project and contract performance (not on data processing).

Terms

- Contractually normalize the approach to the market.
 - Standardize Energy Saving Performance Contract ESPC across the Federal Government.
 - Standardize financing contract.

Terms

- Encouraging Federal, State, and Local government to coordinate and collaborate.
- Energy Saving Performance Contract (ESPC) Accelerator
 - Coordinates a partnership with state and local governments to encourage investment in energy service performance contracts in public sector buildings.
 - Encourages State and local governments to commit to achieving individual funding targets in ESPC projects.
 - Leverages DOE expertise to: identify and address barriers in project development; provide technical assistance; and streamline contract elements.
 - Targets \$2 Billion in additional ESPC investments over next 3 years.

Improving Energy Saving Performance Contract's (ESPC) ability to retrofit facilities.

Technical

- Furthering investment into deeper energy savings to improve projects.
 - Guides Federal agencies to use funding more effectively in meeting Federal and agency-specific energy management objectives.
 - Is in the position to develop, analyze and provide guidance on best practices in energy management that can then be disseminated to all agencies.
 - Has a centralized role makes it uniquely capable of providing expertise on performance contracting, overcoming barriers to the use of alternative fuels in the vehicle fleet, providing centralized reporting and data collection and strategic communication.
- International Energy Agency (IEA) Annex 61
 - Focuses on the development and demonstration of financial and technical concepts for deep energy retrofits of government and public buildings
 - Has 9 participating countries: Austria, Canada, Denmark, Finland, France, Germany, Poland, and the United States.
- GSA National Deep Energy Retrofit (NDER) Project
 - Has awarded 10 projects with an aggregate investment value of \$171,625,130.
 - Has generated an average energy reduction of 38% for 10 project portfolio.

Technical

- Mixing investment with savings to maximize the project.
- Oak Ridge National Laboratory, “Effective Use of Appropriations and Alternative Finance to Fund Energy Efficiency Projects”
 - Uses appropriated funds to implement short-payback conservation measures and private financing via Utility Energy Saving Contracts (UESC) and Energy Saving Performance Contracts (ESPC).
- Streamlining processes to encourage retrofitting smaller buildings.
 - Focuses on buildings under 200,000 square feet (traditionally, underserved market).
 - Standardizes and streamlines processes to allow quick award and implementation of projects using GSA Schedule 84.
 - Straight-forward Energy Conservation Measures (ECM) which include lighting, water fixtures, basic HVAC controls, HVAC equipment replacement, and solar PV.

Energy Saving Performance Contracts (ESPC) should be viewed as the first tool.

Tone

- Promoting the tool of Energy Saving Performance Contract (ESPC) as the first choice for facility retrofits.
- Presidential Performance Contract Challenge (PPCC)
 - Accelerated the Federal market
 - Implemented standard process.
 - Encouraged management involvement.
- ESPC accelerators
 - Extends the idea of the National goal to State and Local governments.
 - Encourages coordination and collaboration.
 - Makes Federal tools available for non-Federal use.
- Oak Ridge National Laboratory, “Beyond Guaranteed Savings: Additional Cost Savings Associated with ESPC Projects”
 - The average ESPC project delivers 197% of guaranteed savings.
 - Promotes the extended benefits of ESPC.

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Questions?

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