

The Federal Energy Management Program (FEMP) works with key individuals to accomplish energy change within organizations by bringing expertise at all levels of project and policy implementation to enable federal agencies to meet energy-related goals and provide energy leadership to the country.

## What We Do

FEMP assists and enables federal agencies to meet energy-related and other sustainability goals and to provide federal energy leadership to the nation through the following:

- ✓ **Reporting and Tracking Tools** providing centralized reporting, data collection, and strategic communication.
- ✓ **Performance-Based Contracting Support** to increase federal agencies' investments in energy efficiency, water conservation, and renewable energy.
- ✓ **Delivering Innovative Methods of Customer Service** by catalyzing projects at federal sites, helping to instill best practices, and utilizing technologies through the Federal Energy Efficiency Fund to improve federal government efficiency.
- ✓ **Building Public-Private Partnerships** by engaging federal agencies, national laboratories, and the private sector in the development and implementation of energy efficiency best practices and making performance-based contracting standard practice.

## Program Goals/Metrics

- Reduce the energy intensity of an agency by 3% annually, or 30% by the end of FY 2015 (compared to FY 2003).
- Reduce government-wide scope 1 and 2 (direct) greenhouse gas emissions from targeted sources by 28% in FY 2020 (compared to 2008).
- Ensure that at least 7.5% of federal electricity consumption is generated from renewable sources in FY 2014 and 20% by 2020.

- Reduce the water consumption intensity of an agency by 2% annually, or 26% by FY 2020 (compared to FY 2007).
- Reduce the motor vehicle fleet's total consumption of petroleum products by 2% annually through the end of FY 2020 (compared to FY 2005).
- Increase alternative fuel consumption by 10% through the end of FY 2025 (compared to FY 2005).
- Invest \$4 billion through performance-based contracts to upgrade the energy efficiency of federal buildings and/or invest in renewable energy by 2016.

## FY 2016 Priorities

- **Federal Energy Efficiency Fund:** FEMP will assist agencies with funding and investment in priority projects for efficiency and renewables with the greatest impact by providing direct funding to leverage cost sharing at federal agencies for capital improvement projects and other initiatives—increasing energy efficiency, conserving water, and increasing renewable energy investments at federal agency facilities.
- **President's Performance Contracting Challenge (PPCC):** FEMP will support the PPCC by assisting agencies to successfully meet the \$4 billion goal for investing in energy efficiency and renewable energy projects by the end of 2016.
- **Better Buildings Data Center Challenge:** FEMP will continue to lead the Energy Department Better Buildings Data Center Challenge to improve federal data center consolidations and efficiency—a significant source of federal energy use—in addition to data center efficiency more broadly throughout the public and private sectors.

(Dollars in Thousands)	FY 2014 Enacted	FY 2015 Enacted	FY 2016 Request
Project Financing	9,558	9,500	0
Technical Guidance and Assistance	6,224	6,317	0
Planning, Reporting and Evaluation	5,569	4,073	0
Federal Fleet	1,388	1,300	0
Federal Energy Efficiency Fund	3,000	2,850	15,000
DOE Specific Investments	2,509	2,160	0
NREL Site-Wide Facility Support	0	800	800
Federal Energy Management	0	0	27,288
<b>Total, Federal Energy Management Program</b>	<b>28,248</b>	<b>27,000</b>	<b>43,088</b>

## Key Accomplishments

- **FEMP was recognized with a GreenGov Presidential Green Team Award** in collaboration with the U.S. Department of Transportation (DOT) through FEMP’s Customer Service team, they completed energy evaluations at 26 DOT facilities. As result of this work, FEMP and DOT developed a methodology to assess facility operations for more than 600 similar sites using less resource-intensive methods, such as a desk audit.



The FEMP half of the award-winning GreenGov Presidential Green Dream Team. Pictured left to right: Brad Gustafson, Mark Reichhardt, David Boomsma, Sarah Jensen, and FEMP Director Tim Unruh.

- **The First Federal Energy Efficiency Fund Solicitation in FY 2014** was awarded \$5 million to 9 projects worth a total investment of \$120 million in renewable energy and combined heat and power projects (a 24:1 leveraging ratio). Many of the projects are first-time projects for particular agencies, offering the potential of more in the future. The effort also brought forward a broad set of projects through which FEMP can provide other assistance to federal agencies.
- **The President’s Performance Contracting Challenge** provides support to agencies that must contract for \$4 billion in efficiency improvements and renewable projects through 2016, with no cost to the taxpayer. As of January 15, 2015, 193 projects have been awarded with an investment value of \$1.94 billion. Agencies have identified projects (in the pipeline or awarded) with an estimated \$4.30 billion investment value, 108% of 3.97 billion commitment.
- **FEMP’s Institutional Change Principles and processes have gained national recognition** by assisting federal agencies to make sustainability a natural part of how they operate, as well as being utilized by organizations beyond the federal government.

- **FEMP spearheaded a new Better Buildings Challenge and Accelerator for Data Centers** announced in fall 2014, in coordination with EERE’s Building Technologies Office. This Challenge has engaged federal agencies, national laboratories, and the private sector, including eBay and Staples, in efforts to greatly improve data center efficiency. Data center energy consumption is significant nationally and across the federal sector, and it can be reduced 20%–40% by applying best management energy efficiency measures and strategies typically with short returns on investment.
- **FEMP has Launched the eProject Builder National ESPC Database**, a cutting-edge tool developed by FEMP to make performance contracting standard practice by standardizing the collection, calculation, and reporting of performance data for Energy Savings Performance Contracts (ESPCs) across the federal government. The extension of the eProject Builder National ESPC to include all performance-based contracts will provide valuable benchmarking and best practice information to improve federal performance-based contracts.
- **The First Annual Energy Efficiency Exchange** will be held August 11–13, 2015, to engage public and private sector project implementation specialists and subject matter experts in addressing the challenges and opportunities of energy consumption, sustainability, energy efficiency, and energy security in and across federal agencies.

