

With more than 350,000 buildings and 600,000 vehicles, the federal government is America’s largest single energy consumer. There is a tremendous opportunity and responsibility to lead by example in cutting energy waste and advancing America’s clean energy future. The progress the federal government has made to date, through public-private partnerships and successful approaches, should be leveraged to show leadership to the nation and continue to make significant contributions to our national energy and environmental goals.

What We Do

The Federal Energy Management Program (FEMP) assists and enables federal agencies to meet energy-related and other sustainability goals and to provide federal energy leadership to the nation through:

- ✓ **Reporting and Tracking Tools** that provide 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 building energy intensity by 2.5% annually, or 25% through the end of FY 2025 as compared to the FY 2015 base year.
- Reduce government-wide scope 1 and 2 (direct) GHG emissions from targeted sources by 40% in FY 2025 as compared to 2008.
- Ensure that at least 10% of federal building electric energy and thermal energy is clean energy in FY 2017 and 25% in 2025.
- Ensure that at least 10% of federal electricity consumption is generated from renewable sources in FY 2017 and 30% in 2025.
- Reduce water consumption intensity by 2% annually, or 36% by the end of FY 2025 as compared to the FY 2007 base year; and
- Reduce the motor vehicle fleet’s per-mile greenhouse gas emissions by 4% in 2017 and 30% in 2025 compared to FY 2014.

FY 2017 Priorities

- **Federal Energy Efficiency Fund (FEEF):** FEMP will focus on two types of projects and expects to award approximately 30 projects:
 - First-of-a-kind Agency Clean Energy Projects: Implement commercially available, but underused, technologies in projects that have not been implemented by the organization. This program will help agencies overcome internal obstacles to new

(Dollars in Thousands)	FY 2015 Enacted	FY 2016 Enacted	FY 2017 Requested
Project Financing	\$9,500	\$0	\$0
Technical Guidance and Assistance	\$6,317	\$0	\$0
Planning, Reporting and Evaluation	\$4,073	\$0	\$0
Federal Fleet	\$1,300	\$0	\$0
Federal Energy Efficiency Fund	\$2,850	\$3,000	\$15,000
DOE Specific Investments	\$2,160	\$0	\$0
NREL Site-Wide Facility Support	\$800	\$900	\$0
Federal Energy Management	\$0	\$23,100	\$28,000
Total, Federal Energy Management Program	\$27,000	\$27,000	\$43,000

equipment, as well as drive projects forward and force schedule accountability.

- **Deep-Savings Strategies:** Use the lessons learned by the General Services Administration National Deep Energy Retrofit projects to produce deeper energy retrofits.
- **Public-Private Challenges:** FEMP will continue to lead the DOE Better Buildings Data Center Challenge to improve federal data center consolidations and efficiency, a significant source of federal energy use. The program staff will also develop one additional voluntary public-private leadership challenge. This challenge will spur federal achievement and share effective solutions broadly across the economy. The FY 2017 challenge will focus on promising building related technology such as high-performance indoor lighting and advanced heating, ventilation, and air conditioning systems and controls.
- **Turnkey Performance Contracting Support:** To promote better and faster adoption of performance contracting investment, FEMP has signed a memorandum of understanding with U.S. Army Corps of Engineers (USACE) to work together to standardize the process for delivery to help make performance contracting business as usual. As FEMP and the USACE have the only two Indefinite Delivery, Indefinite Quantity contracts in the federal government, the more they can be synchronized, aligned, and implemented consistently, the more streamlined and routine the contracting process becomes.

Key Accomplishments

Agency Performance Toward Goals (FY 2014)

- Federal agencies reported a 21% decrease in energy intensity (Btu per gross square foot) relative to FY 2003.
- Federal targeted scope 1 & 2 greenhouse gas emissions were reduced by 17% since 2008.
- 8.8% of the federal government electricity use is now from renewable sources.
- Federal government potable water intensity was reduced by 21% below FY 2007 levels.

Performance Contracting Goal

- In February 2015, the Presidential Performance Contracting Challenge awarded project totals crossed the \$2 billion mark. The extension of the Challenge, in combination with the initial commitment of \$2 billion in 2011, will result in a total of \$4 billion in energy efficiency performance contracts in the federal sector through 2016.
- Since January 2016, more than \$2.5 billion in projects have been awarded, with more than \$3 billion planned for award.

Data Center Challenge

- Spearheaded the Better Buildings Challenge and Accelerator for Data Centers 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, which is significant nationally and across the federal sector, can be reduced 20%-40% by applying management energy efficiency measures and strategies typically with short returns on investment. The challenge has 34 private and public sector partners and numbers are growing.

eProject Builder

- A cutting-edge tool called eProject Builder makes performance contracting standard practice by standardizing the collection, calculation, and reporting of performance data for energy savings performance contracts (ESPC) across government is now fully active in production mode. eProject Builder produces ESPC task order schedules and provides a secure online system for easily accessing, tracking and reporting ESPC project data through the life of the contract for a portfolio of projects.

Energy Exchange 2015

- FEMP held the first Energy Exchange 2015 training event in August 2015 with over 1,600 attendees. The 2016 event will be held August 9-11 in Providence, Rhode Island.