

The Federal Energy Management Program (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 provide energy leadership to the country.

What We Do

FEMP activities contribute to reducing the energy intensity at federal facilities, lowering their energy bills, and providing environmental benefits through the following:

- ✓ **Interagency Coordination** to align interagency efforts surrounding federal energy management planning and legislation compliance.
- ✓ **Training** federal agency managers about the latest energy requirements, best practices, and technologies.
- ✓ **Reporting/Tracking Tools** providing centralized reporting, data collection, and strategic communication.
- ✓ **Financial Resources** to increase federal agencies' investments in energy efficiency, water conservation, and renewable energy.
- ✓ **Agency Investment and Contracting Support** that guides federal agencies to use funding more effectively in meeting federal and agency-specific energy goals.
- ✓ **Center of Excellence on Data Centers**, which helps agencies develop and implement data center efficiency projects through technical assistance, tools, and training that increase adaptation of measurement protocols, reporting mechanisms, and best practices.

Program Goals/Metrics

- Reduce energy intensity of facilities by 30% by the end of FY 2015 compared to FY 2003.
- Reduce water consumption intensity by 16% by the end of FY 2015 relative to 2007 baseline (26% by FY 2020).
- Use renewable electricity energy equivalent to at least 5% of total electricity use—at least half of which must come from sources developed after January 1, 1999. Must be at least 7.5% in FY 2013 and thereafter.
- Reduce government-wide greenhouse gas emissions by 28% for Scope 1 and 2 emissions and 13% for Scope 3 emissions by 2020 (from 2008 levels).
- Initiate the Better Buildings Data Center Challenge.
- Make awards for 2015 funding opportunity for implementation of energy conservation and renewable projects at federal facilities.

FY 2015 Priorities

- **Project Financing** will provide agencies assistance to meet the goals set forth in the Presidential Memorandum on Performance Contracting (December 3, 2011), as well as future goals, by utilizing energy savings performance contracts, utility energy savings contracts, and power purchasing agreements.
- **Technical Guidance and Assistance** will provide support for the establishment of a center of excellence focused on federal data center energy efficiency, which will increase project tracking, support energy-efficient and sustainable building practices and technology deployment, and provide renewable energy technical assistance.

(Dollars in Thousands)	FY 2013 Current	FY 2014 Enacted	FY 2015 Request
Project Financing	9,501	9,558	11,433
Technical Guidance and Assistance	9,126	6,224	12,433
Planning, Reporting and Evaluation	4,324	5,569	4,073
Federal Fleet	1,540	1,388	1,634
Federal Energy Efficiency Fund	0	3,000	3,000
DOE Specific Investments	3,774	2,509	2,927
NREL Site-Wide Facility Support	0	0	700
Total, Federal Energy Management Program	28,265	28,248	36,200

- **Planning, Reporting, and Evaluation** will provide services to agencies that include the collecting, tracking, and verifying federal data; managing recognition awards programs; and training the federal workforce in energy management.
- **Federal Fleet** will provide direct technical assistance and tools for agencies to increase their use of existing alternative fuel infrastructure and to increase their selection and placement of alternative fuel vehicles.
- **Federal Energy Efficiency Fund** will provide direct funding and leveraged cost sharing to federal agencies for capital projects and other initiatives to increase energy efficiency, water conservation, and renewable energy investments at agency facilities.



Fort Carson's first U.S. Green Building Council platinum-level Leadership in Energy and Environmental Design certified facility, the 4th Armored Brigade Combat Team Brigade and Battalion Headquarters, which features a 482-kilowatt ground-mounted, tracking photovoltaic system.

Key Accomplishments

- In the first two years of the Presidential Performance Contracting Challenge, federal agencies awarded approximately \$1.4 billion toward the \$2 billion total.
- FEMP assisted other agencies to enable the federal government to achieve an overall reduction in scope 1 and 2 (direct) greenhouse gas emissions by 15.1% between FY 2008 and FY 2012.
- FEMP provided Web-based training on the latest federal energy requirements, best practices, and technologies to more than 5,500 registrants in FY 2013; the International Association for Continuing Education and Training awarded FEMP the prestigious "Authorized Provider" designation for continuing education and training in support of support the Federal Buildings Personnel Training Act.
- The U.S. Department of Transportation (DOT) and the U.S. Department of Energy (DOE) jointly completed energy evaluations at 26 DOT facilities. As result of this work, a methodology was developed to assess facility operations for more than 600 similar sites using less resource-intensive methods, such as a desk audit. In addition, DOE provided a list of low-cost and no-cost energy-efficiency measures for implementation.