

## Federal Energy Management Program

The Federal Energy Management Program (FEMP) helps federal agencies manage their building and fleet energy use by providing training, tools, technical assistance, and funding.

From data collection to technology deployment, we enable agencies to find solutions, design programs, and achieve results.

We work with agencies to understand requirements introduced through new executive orders, statutory requirements, and regulations.

We convene key partners, share best practices, promote sustainable technologies, and advance the market.



Figure 1. Fort Carson is the tenth-largest military base in the United States, home to 13,000 troops and more than 900 facilities. FEMP helped Fort Carson leverage performance contracting to integrate energy efficiency with an 8.5-MWh battery energy storage system and peak-shaving controls. As a result, Fort Carson benefits by saving approximately \$500,000 per year on its electric bill. Photo by Dennis Schroeder, NREL 56321.

With more than 300,000 energy-utilizing buildings and 600,000 vehicles, the federal government is the nation's largest energy consumer. Energy used in buildings and facilities represents about 40% of the total site-delivered energy use of the federal government, with vehicle and equipment energy use accounting for 60%.

### We Help the Government Lead By Example

Federal agencies have a tremendous opportunity and responsibility to lead by example in cutting energy and water waste while advancing America's progress toward energy independence, resilience, and security. FEMP provides key services to federal agencies to help them meet energy- and water-reduction requirements and goals.

### Energy Intensity Reduction Progress Since 1975

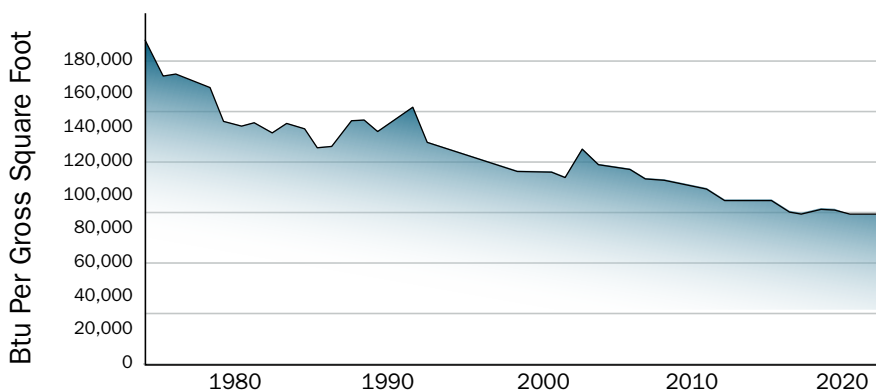


Figure 2. Energy consumed in federal government facilities has been generally declining over the past four decades. This reduction stems from the total square footage occupied by the federal government, which has continued to fall since its peak in Fiscal Year (FY) 1987, and from the energy consumed per square foot inside federal buildings, which has been declining since FY 1975.

**The federal government has achieved a 50% reduction in energy intensity since 1975.**

These efforts have resulted in the federal government achieving a 50% reduction in energy intensity since 1975.

Figure 2 shows energy intensity reduction progress in the federal government over the last four decades.

For additional government-wide and agency performance data, see [sustainability.gov](https://www.sustainability.gov).

## FEMP's Expertise

FEMP strives to build agencies' capacity to manage their critical missions by becoming efficient, resilient, and secure. We supply agencies with the information, tools, and assistance they need to meet and track their energy-related requirements and goals through the following five focus areas.

### Funding Solutions

FEMP provides direct funding to federal agencies through the Assisting Federal Facilities with Energy Conservation Technologies (AFFECT) program. AFFECT provides grants for the development of energy and water efficiency projects and processes at U.S. federal government-owned facilities.

### Data Collection and Analysis

FEMP provides agencies with information and resources to help them develop strategic programs and

plans for the successful reduction of federal energy and water use. We do that by collecting, analyzing, and sharing information about federal energy- and water-management laws and requirements.

### Facility and Fleet Optimization

FEMP coordinates processes to integrate mission assurance with optimized and cost-effective facility and fleet operations. Specialty areas include data centers, fleets, laboratories, commissioning, metering, and water efficiency.

### Energy and Water Resilience and Security

FEMP guides portfolio resilience planning for the strategic integration of advanced, secure technologies and tackles energy management challenges from cybersecurity threats.

## Energy and Project Procurement Development Services

FEMP leverages private-sector financing with no up-front capital costs and supports federal projects with technical and procurement expertise. Specialty areas include energy savings performance contracts, utility energy service contracts, and distributed energy procurement.

## Federal Leadership and Engagement

FEMP helps agencies account for energy and water reductions, engages them in interagency working groups and workforce development opportunities, and recognizes their efforts. ■

FEMP's Key Services and Mandates	Federal Priorities
Leverage Funding Sources 42 U.S.C. § 8287 et seq., 42 U.S.C. § 8256b	Modernizing and Managing Infrastructure
Issue Legislative and Executive Guidance 42 U.S.C. 8252, 8253, and 8257	American Prosperity and American Energy Dominance
Facilitate Technology Integration 42 U.S.C. § 8259b	Modernizing and Managing Infrastructure
Coordinate Interagency Collaboration 42 U.S.C. 8253	Strengthening Federal Energy and Water Resilience
Provide Technical Assistance 42 U.S.C. § 8257	American Prosperity and American Energy Dominance
Track Agency Accountability 42 U.S.C. § 17143, 42 U.S.C. 8253-8258, and 42 U.S.C. 15852	Increasing Government Accountability
Develop Accredited Training 42 U.S.C. 8252 and 8253	Developing a Future-Focused Workforce

## Key Resources

- Browse training opportunities:**  
[www7.eere.energy.gov/femp/training](http://www7.eere.energy.gov/femp/training)
- Learn about energy management requirements:**  
[www7.eere.energy.gov/femp/requirements/](http://www7.eere.energy.gov/femp/requirements/)
- Request assistance:**  
[www7.eere.energy.gov/femp/assistance](http://www7.eere.energy.gov/femp/assistance)
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For more information, visit:  
[energy.gov/femp](http://energy.gov/femp)

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