



Federal Energy Management Program



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# Lead by Example

## with Smart Energy Management

FEMP works to reduce the cost and environmental impact of the Federal government by advancing energy efficiency and water conservation, promoting the use of renewable energy, and improving utility management decisions at Federal sites.

### A Strong Energy Portfolio for a Strong America

Energy efficiency and clean, renewable energy will mean a stronger economy, a cleaner environment, and greater energy independence for America. Working with a wide array of state, community, industry, and university partners, the U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy invests in a diverse portfolio of energy technologies.

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U.S. Department of Energy  
**Energy Efficiency and Renewable Energy**

Bringing you a prosperous future where energy is clean, abundant, reliable, and affordable



## Implementing Smart Solutions

Now, more than ever before, the Federal government—the single largest energy consumer in the United States—has both a tremendous opportunity and a clear responsibility to lead the nation by example toward greater energy efficiency. FEMP plays a central role with a mandate to help Federal agencies implement smart energy management solutions to reduce the cost and environmental impact of the Federal government.

Established in 1973, FEMP works with facility managers, engineers, architects, contract specialists, and utilities to save energy at Federal facilities. FEMP services promote energy efficiency, water conservation, and the use of distributed and renewable energy. Since 1985, Federal building-related energy usage per square foot has decreased more than 25%, largely as a result of efforts by Federal agency energy champions and leadership by FEMP. FEMP recently added Federal fleet management to its list of program functions.

Using FEMP's services—Financing and Acquisition Support, Technical Assistance and Policy, and Outreach and Coordination—Federal energy managers can:

- Take advantage of innovative technologies
- Leverage new partnerships with the private sector
- Set an example for the nation with smart energy management

## Financing and Acquisition Support

Whatever your agency's energy goals are, you need money to make your projects happen. FEMP can help you access funds and ensure that your dollars are spent wisely. FEMP provides assistance with project financing such as Energy Savings Performance Contracts (ESPCs), which allow agencies to partner with energy service companies (ESCOs) to accomplish energy projects for Federal facilities. ESPCs require no up-front capital costs or special Congressional appropriations. FEMP offers expert assistance including project facilitation, assistance with contracting, and technical support to agencies seeking project financing using ESPCs and other financing tools such as:

- *Super Energy Savings Performance Contracts (Super ESPCs)*—Super ESPCs are indefinite-delivery, indefinite-

***“I encourage government officials to utilize ESPCs and Super ESPCs to meet their energy use reduction goals. These efforts will help conserve energy and create a better America for our children and grandchildren.”***

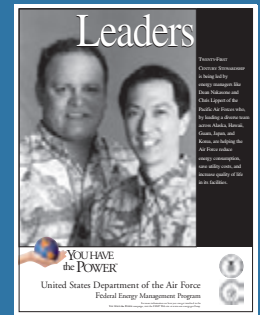
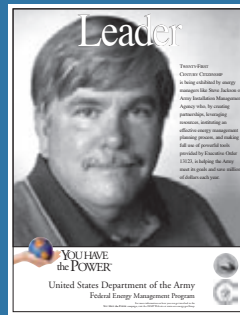
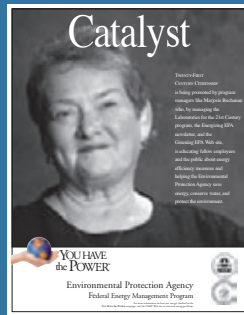
**President George W. Bush,  
April 25, 2006**

## ESPC Extension Helps Agencies Leverage Dollars

Since 1988, Federal agencies have used ESPCs to leverage millions of dollars in private sector investment to make energy efficiency improvements at their facilities. EPCA 2005 extends the authority for all Federal agencies to use ESPCs until September 30, 2016. This 10-year extension has increased stakeholders' confidence and stimulated interest in the ESPC program.

## Recognizing Excellence

Over the past 25 years, FEMP has recognized the outstanding contributions of more than 985 individuals and groups within Federal agencies through its energy management awards.



quantity contracts that make ESPCs as practical and cost-effective a tool as possible for agencies to use.

- **Utility Energy Savings Contracts (UESCs)**—Federal agencies often enter into energy service contracts with their utility. Electric and gas utilities throughout the country have provided more than \$600 million in project financing to date for energy and water efficiency projects at Federal agencies.
- **Energy Efficiency Incentive Programs**—FEMP provides the latest state-by-state information about energy efficiency and load management programs offered by local utilities and other state agencies.
- **Utility Management**—By connecting Federal managers with opportunities about energy markets, utility restructuring, renewable power purchasing, and load management opportunities, FEMP helps them manage costs, improve reliability, and reduce environmental impacts.

### Technical Assistance and Policy

With more than 500,000 buildings and facilities around the world, Federal agencies rely on FEMP's technical assistance and policy efforts to help them meet requirements to save energy and taxpayer dollars. Bringing advanced energy technologies to Federal facilities is at the heart of FEMP's mission. No matter what the scale of your project or which technologies you select, FEMP can give you expert assistance to plan, evaluate, and design smart projects. FEMP provides technical assistance, training, and information on a variety of topics, including:

- New Technologies and Technology Transfer
- Renewable Energy Technologies
- Sustainable Building Design

- Energy-Efficient Product Procurement
- Operations and Maintenance
- Building Design

The Energy Policy Act of 2005 (EPAct 2005) requires Federal agencies to reduce energy use by 2% annually from 2003 levels. Effective policy coordination and guidance will help them meet this mandate and the other provisions of the legislation. FEMP develops Federal energy management policy, as well as guidance for legislation and Executive Order requirements.

### Outreach and Coordination

FEMP promotes energy efficiency, renewable energy, and water-saving strategies through a wide variety of publications, on-line resources, and workshops. FEMP reports agencies' energy management progress annually, coordinates inter-agency working groups, and manages awards programs to recognize exemplary energy leadership.

FEMP's outreach efforts include:

- *FEMP Focus* Newsletter
- FEMP Web site and Help Desk
- Annual Energy Workshop and Exposition
- *You Have the Power* Awareness Campaign

FEMP's coordination efforts include:

- Annual Report to Congress
- Energy Management at DOE Facilities
- Interagency Energy Management Task Force
- Federal Energy and Water Management Awards
- Presidential Awards for Leadership in Federal Energy Management



## Conserving Energy Protects The Environment

In the National Energy Policy, the President directs heads of executive departments and federal agencies to conserve energy use at their facilities “to the maximum extent consistent with the effective discharge of public responsibilities.”

### Results:

- Demonstrates Federal leadership in smart energy management
- Contributes to the nation’s energy and economic security
- Reduces Federal building energy costs, thereby saving taxpayer dollars
- Protects the environment through energy efficiency and use of renewable energy

### For more information:

<http://www.eere.energy.gov/femp/>



## Reducing Petroleum Consumption One Fleet at a Time

Federal agency fleets must comply with Title III of the Energy Policy Act (EPAct) of 1992, as amended by EPAct 2005, and Executive Order (E.O.) 13149.

Under EPAct:

- Covered fleets must acquire a certain percentage of alternative fuel vehicles (AFVs) each year and use alternative fuels.
- Federal fleets with 20 or more light-duty vehicles in major U.S. metropolitan areas must comply.

Under E.O. 13149:

- Covered fleets must reduce their petroleum consumption through the use of alternative fuels and smart fleet management practices.
- All Federal fleets within the United States, regardless of size or location, must comply.



***“The impact of energy decisions taken today will endure for the next century at least, and affect generations to come.”***

- Assistant Secretary for  
Energy Efficiency and  
Renewable Energy  
Alexander Karsner