

## What's Required and What's Happening

John L. Howard, Jr.  
Federal Environmental Executive  
[www.ofee.gov](http://www.ofee.gov)

What You Always Wanted to Know About  
Energy Policy But Were Afraid to Ask

Energy 2003  
Wyndham Lake Buena Vista  
August 18, 2003, 2:30 p.m.

OFEE

## Overview

- 30 Years' of Progress
- Energy & Environmental Requirements
- Recent Progress
- Spotlight on Green Buildings

OFEE

## Incredible Progress

- Since 1970, economy has grown 150%
- Key air pollutants have decreased 25%
- Toxic releases are down 48%
- 94% of public drinking water systems are safe

OFEE

## Incredible Progress

- Energy use has grown at 1/5 of economic growth
- Renewable energy generation is up 30%
- Our health is improving – life expectancy is a record 77.2 years

But many challenges remain ...

OFEE

## Meeting the Challenges

- Lead by example
- Be a good steward
- Be a good neighbor

OFEE

## Federal Environmental Executive

- Created by Executive Orders (1991, 1993, 1998)
- Promote sustainable environmental stewardship throughout the federal government

OFEE

## Federal Environmental Executive

- 6 priority action areas:
  - Waste prevention and recycling
  - Green procurement
  - Sustainable buildings
  - Electronic stewardship
  - Industrial ecology
  - Environmental management systems

OFEE

## Federal Requirements

- Environmental Management
- Waste Prevention and Recycling
- Green Procurement
- Energy
- Transportation and Fleets

OFEE

## Environmental Management Systems

- EO 13148
  - Conduct environmental reviews by Oct. 2001
  - Implement EMSs by December 2005
- OMB Budget Circular A 11 (2002)
  - Include EMS in budget requests
- Letter from OMB & CEQ to Cabinet (2002)
  - EMS as stewardship and management tool

OFEE

## Environmental Management Systems

### Benefits:

- Compliance
- Costs
- Liabilities & risks
- Prioritize
- Performance

OFEE

## Environmental Management Systems

### Benefits:

- Flexible – it's your EMS
- Broad – it's not just environmental
- Innovative – once you include folks ...

OFEE

## Environmental Management Systems

### Progress:

- More than 200 facilities have an EMS
- 19 are ISO 14001 registered
- Hundreds more are developing EMS
- Interagency team is developing tools and training

OFEE

## Environmental Management Systems

### Next steps:

- Integrate EMS with efforts to improve compliance and performance
- Improve measuring

OFEE

## Waste Prevention & Recycling

### RCRA Section 6002 and EO 13101

- Each agency must incorporate recycling and waste prevention practices
- Meet 35% waste diversion rate by 2005

OFEE

## Waste Prevention & Recycling

### Progress:

- 90% of federal offices have recycling
- DOD and DOE recycle/divert > 35%
- Still improving measuring

OFEE

## Green Procurement

**Goal:** Increase and expand markets for the range of green products and services:

- Recovered materials & recycled content

EPA Comprehensive Procurement Guideline products or CPGs (RCRA § 6002, EO 13101 & Federal Acquisition Regulations)

- Energy efficient

Energy Star, FEMP-recommended, and low standby power products (Energy Policy Act, EOs 13123 & 13221 & FAR Subpart 23.2)

OFEE

## Green Procurement

- Renewables

Federal fleets and renewable or alternative fuels (Energy Policy Act, EO 13149 & Federal Acquisition Regs)

- Biobased

(Farm Bill 2002 § 9002, EOs 13101 & 13134)

- Environmentally preferable products

(EO 13101)

OFEE

## Green Procurement

### Progress:

- EPA has 54 CPG items
- Spend > \$700 million on CPG
- Improving training
- Improving reporting (FPDS)

OFEE

### Green Procurement

**Progress:**

- Low standby power devices to save federal government \$25 million
- Renewable energy purchases tripled
- Growing trend by states and cities

OFEE

### Transportation & Fleets

**Energy Policy Act, EO 13149 & EO 13150:**

- Cut petroleum consumption by 20%
- Acquire 75% AFVs
- Use alternative fuel
- Increase fuel efficiency
- Offer mass transportation fringe benefits

OFEE

### Transportation & Fleets

**Progress:**

- 60% of new vehicles were AFVs
- Gasoline consumption is down
- Alternative fuel consumption is up
- Most have increased fuel efficiency
- 650,000 federal employees mass commute

OFEE

### Building Energy

- 0.4% of the nation's total energy use
- Own ~500,000 buildings (3.1 B sq. ft.)
- 5 agencies = 95% sq.ft, 89% energy

DoD, USPS, GSA, DVA, DoE

OFEE

### Building Energy

**Energy Policy Act and EO 13123:**

- Reduce building energy use 30% by 2005
- Meet Energy Star building criteria
- Use renewables for 2.5% of electric needs
- Use best water management practices

OFEE

### Building Energy

**Progress:**

- Carbon down 2.8 million metric tons
- Energy intensity down 23%
- > 100 federal buildings are Energy Star

OFEE

## Sustainable Design

### Government-wide policies:

- Energy Policy Act of 1992
- Executive Orders
- EO 13123: “apply [sustainable design] principles to the siting, design, and construction of new facilities.”

OFEE

## Sustainable Design

### 6 agencies require LEED (or similar):

- EPA
- National Park Service
- Army
- Navy/Marines
- Air Force
- General Services Administration

OFEE

## Sustainable Design

- OMB's 2002 Circular A-11 encourages LEED & Energy Star
- New White House Closing the Circle awards
- > 100 federal buildings are Energy Star rated
- > 60 federal buildings are in LEED process
- 7 have been LEED certified already

OFEE

## Sustainable Design

### Barriers & Options:

- Research & case studies
- Improve use of life cycle costing
- Work together
- Walk the talk
- Executive order?

OFEE

## What's Next?

### Environmental Management Systems

Lead by example  
Be a good steward  
Be a good neighbor

Strive for environmental excellence

OFEE