

Federal Electronics Challenge Program Overview



Cate Berard

U.S. Environmental Protection Agency

Federal Electronics Stewardship

- Executive Order (E.O.) 13514: Federal Leadership in Environmental, Energy, and Economic Performance
 - Specifies federal government goals
- Office of Management and Budget, Environmental Stewardship Scorecard
 - Measures status and progress in meeting goals and requirements



Federal Electronics Stewardship

■ E.O. 13514 Goals

- Ensure procurement preference for EPEAT registered electronics
- Enable power management, duplexing and other environmentally preferable features on electronics
- Use environmentally sound practices during disposition of electronics
- Ensure procurement preference for ENERGY STAR qualified and FEMP designated electronics
- Implement best management practices for data centers and servers



What is the Federal Electronics Challenge?

- The Federal Electronics Challenge (FEC) is a partnership program that assists federal agencies and facilities to:
 - Purchase greener electronic products
 - Reduce impacts of electronic products during use
 - Manage obsolete electronics in an environmentally safe way

The FEC helps federal agencies and facilities meet their federal electronics stewardship requirements



FEC Program Goals for 2010

- By December 31, 2010
 - 95% of eligible electronic equipment purchased or leased annually by FEC Partners is EPEAT-registered
 - 100% of eligible computers and monitors in operation at FEC Partner facilities have ENERGY STAR® power management features enabled
 - Electronic equipment in operation at FEC Partner facilities have an average life span of at least four years
 - 100% percent of non-reusable electronic equipment disposed of annually by FEC Partner facilities is recycled using environmentally sound management, as defined by the Responsible Recycling (R2) Practices



Partnering for Electronics Stewardship

Federal agencies and facilities:

- Voluntarily participate as Agency or Facility Partners
- Complete a baseline
- Report annually

The FEC:

- Provides Partners with resources and technical assistance
- Awards annual recognition to qualifying Partners
- Collaborates to provide best management practices



Current Partners

- Department of Agriculture
- Department of Commerce
- Department of Defense
- Department of Education
- Department of Energy
- Department of Health and Human Services
- Department of Homeland Security
- Department of Interior
- Department of Justice
- Department of Labor
- Department of the Treasury
- Department of Transportation
- Department of Veterans Affairs
- Environmental Protection Agency
- Executive Office of the President
- General Services Administration
- Social Security Administration
- United States Postal Service

More than 240 Facility Partners representing over 749,000 employees from the eighteen agencies listed above, as well as the Department of State and NASA



Benefits to FEC Partners

- Meets federal requirements
- Supports progress for the OMB Environmental Stewardship Scorecard
- Free resources
- Educational training and feedback
- Technical assistance
- Networking opportunities and knowledge-sharing
- National recognition from the Office of the Federal Environmental Executive



FEC Resources

- Regional Champions
- Web Site and Guidance Documents
- Monthly Partner Education Calls
- Partner Listserve
- Annual Conference



FEC Partner Requirements

Agency Partners:

- Register
- Sign Pledge
- Specify list of Facility Partners

Facility Partners:

- Register
- Complete Baseline Survey of Current Practices
- Submit Annual Reporting Form (annually)
- Submit Awards Application (annually, optional)



Register

- Provides general information which is stored in FEC's Administrative Database
- Includes Facility Partner Pledge
- Submitted through a Web-based form
- Adobe Acrobat file available for use as a worksheet
- <http://www.federalelectronicschallenge.net/pledge.htm>



Welcome Message

- Registrants receive a welcome message via email to their point of contact
 - Contact information for their Regional Champion
 - Link to FEC Resources Web page
 - Information about the listserv
 - Reminder to complete the Baseline Survey, links to Web pages
 - Password for Member Services
 - Information about the next Partner Call



Baseline Survey of Current Practices

- Provides a comprehensive look at current practices and helps identify areas for improvement
- Due within six weeks of registration
- Submitted online
- Word, Adobe Acrobat files available for use as worksheets
- Must complete and submit **once**
- <http://www.federalelectronicschallenge.net/baseline.htm>



Annual Reporting

- Helps the FEC measure progress against the FEC national goals and calculate the environmental benefits of Partner activities
- Demonstrates progress from year to year
- Due on January 31 for previous fiscal year
- Submitted online
- Word, Adobe Acrobat files available for use as worksheets
- Must complete and submit **each year**
- <http://www.federalelectronicschallenge.net/report.htm>



FY2008 Annual Reporting Results

2010 Goals for FEC Partners	FY2008 FEC Partner Reporting Results*
95% of eligible electronic equipment purchased or leased annually by FEC Partners is EPEAT® registered	88% of computer desktops, laptops and monitors purchased or leased were EPEAT registered 2% were EPEAT Bronze; 46% were EPEAT Silver; 40% were EPEAT Gold
100% of eligible computers and monitors in operation at FEC Partner facilities have ENERGY STAR® features enabled	95% of monitors and 38% of computers had ENERGY STAR power management features enabled
Electronic equipment in operation at FEC Partner facilities have an average life span of at least four years	63% of computers have at least a 4-year life span, with a weighted average life span of 45 months
100% percent of non-reusable electronic equipment disposed of annually by FEC Partner facilities is recycled using environmentally sound management, as defined by the Responsible Recycling (R2) Practices	50% of electronics taken out of service were reused; 40% were recycled; 8% were sold; and 2% were disposed of 95% of non-reusable computers were recycled in environmentally sound manner

*128 FEC Facility Partner Annual Reporting Forms were received for FY2008.



FY2008 Environmental Benefits

Environmental Benefit	Achievement	Equivalent to
Energy savings	426,181 MWh	Electricity to power 35,619 U.S. households for one year
Primary material savings	108,778 metric tons	Weight of 843,241 refrigerators
Air emission savings, including Greenhouse gas emission savings	1,756,911 metric tons 31,160 metric tons	Removing 20,927 passenger cars from the road for one year
Water emission savings	3,678 metric tons	
Toxic material savings	10 metric tons	Weight of 5,114 bricks
Municipal solid waste savings	2,199 metric tons	Solid waste generated by 1,104 U.S. households in one year
Hazardous waste savings	741 metric tons	Weight of 370,589 bricks
Cost savings	\$40.3 million	



Annual Awards

- Annual awards recognize Facility Partners that have completed specific electronics stewardship activities
- Not mandatory, but highly encouraged
- Due on January 31 for previous calendar year
- Submitted online
- Word, Adobe Acrobat files available for use as worksheets
- May be completed and submitted each year
- <http://www.federalelectronicschallenge.net/recognition/>



For More Information

- <http://www.federalelectronicschallenge.net>

- **Cate Berard**

U.S. Environmental Protection Agency

202-564-8847

berard.cate@epa.gov

