

# Federal Electronics Challenge Program Overview



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# Federal Electronics Stewardship

- Executive Order (E.O.) 13514: Federal Leadership in Environmental, Energy, and Economic Performance
  - Specifies federal government goals
- Agency Strategic Sustainability Performance Plans
  - Prioritizes agency actions and reports progress in meeting federal sustainability goals
- Office of Management and Budget, Sustainability and Energy Scorecards
  - Measures status and progress in meeting goals and requirements



# Federal Electronics Stewardship

## ■ E.O. 13514 Goals

- Ensure procurement preference for EPEAT registered electronics
- Ensure procurement preference for ENERGY STAR qualified and FEMP designated electronics
- Enable power management, duplexing and other environmentally preferable features on electronics
- Use environmentally sound practices during disposition of 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 electronics
  - Reduce impacts of electronics during use
  - Manage used electronics in an environmentally safe way

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



# FEC Program Goals

- 95% of eligible electronic equipment purchased or leased annually by FEC Partners facilities is EPEAT-registered
- 100% of eligible computers and monitors in operation at FEC Partner facilities have ENERGY STAR® power management features enabled
- 100% of eligible computers and imaging equipment in operation at FEC Partner facilities have duplexing features set to default
- Desktop computers at FEC Partner facilities have an average life span of at least four years
- Used electronic equipment from FEC Partner facilities is reused internally or donated for reuse, to the maximum extent practicable.
- 100% percent of non-reusable electronic equipment disposed of annually by FEC Partner facilities is recycled using third-party certified recyclers
- Data centers at FEC Partner facilities utilize best management 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
- Office of Personnel and Management
- Social Security Administration
- United States Postal Service

*More than 250 Facility Partners representing over 827,000 employees from the nineteen agencies listed above, as well as the Department of State and NASA*



# Benefits to FEC Partners

- Supports progress in meeting E.O. 13514 goals
- Free resources
- Education and training
- Technical assistance for electronics management challenges
- National recognition from the Office of the Federal Environmental Executive and the U.S. Environmental Protection Agency



# FEC Resources

- Regional Champions
- Website and Guidance Documents
  - Fact sheets, presentation slides, and policy templates
- Monthly Partner Education Calls
- RSS Feed
- Partner Listserve



# 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
  - Information about the listserve and RSS feed
  - Reminder to complete the Baseline Survey, links to Web pages
  - Password for Partner 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 through FedCenter
- 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 through FedCenter
- Word, Adobe Acrobat files available for use as worksheets
- Must complete and submit **each year**
- <http://www.federalelectronicschallenge.net/report.htm>



# FY2010 Annual Reporting Results

2010 Goals for FEC Partners	FY2010 FEC Partner Reporting Results*
95% of eligible electronic equipment purchased or leased annually by FEC Partners is EPEAT® registered	<p><b>92%</b> of computer desktops, laptops and monitors purchased or leased were EPEAT registered</p> <p><b>3%</b> were EPEAT Bronze; <b>18%</b> were EPEAT Silver; <b>79%</b> were EPEAT Gold</p>
100% of eligible computers and monitors in operation at FEC Partner facilities have ENERGY STAR® features enabled	<b>82%</b> of monitors and <b>49%</b> 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	<b>59%</b> of reporting Partners have a computer lifespan of at least 4-years, with a weighted average life span of <b>48 months</b>
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	<b>36%</b> of electronics taken out of service were reused; <b>52%</b> were recycled; <b>7%</b> were sold or had an unknown disposition; and <b>5%</b> were disposed of

\*122 FEC Facility Partner Annual Reporting Forms were received for FY2010. These 122 reporting partners represent 395,417 federal employees.



# FY2010 Environmental Benefits

Environmental Benefit	Achievement	Equivalent to
Energy savings	345,432 MWh	Electricity to power over <b>28,000</b> U.S. households for one year
Primary material savings	167,453 metric tons	Weight of <b>1.3 million</b> refrigerators
Air emission savings, including Greenhouse gas emission savings	1,381,996 metric tons 30,975 metric tons	Removing over <b>20,000</b> passenger cars from the road for one year
Water emission savings	2,964 metric tons	
Toxic material savings	10 metric tons	Weight of almost <b>5,000</b> bricks
Municipal solid waste savings	2,396 metric tons	Solid waste generated by over <b>1,200</b> U.S. households in one year
Hazardous waste savings	547 metric tons	Weight of more than <b>273,000</b> bricks
Cost savings	<b>\$32.7 million</b>	



# 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 fiscal year
- Submitted online through FedCenter
- 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>

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