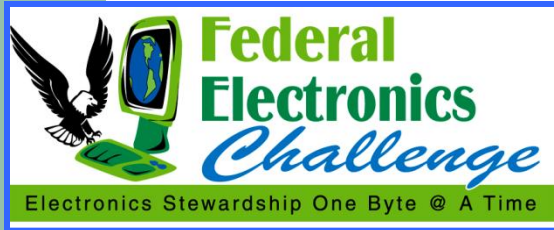


# Federal Electronics Challenge Program Overview



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
- 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 facilities:

- Voluntarily participate as 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



# Agencies with 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
- General Services Administration
- National Aeronautics and Space Administration

*The FEC has more than 125 Facility Partners representing over 495,000 employees from the nineteen agencies listed above.*



# 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 U.S. Environmental Protection Agency and the Office of the Federal Environmental Executive





# FEC Resources

- [Regional Champions](#)
- [Website and Guidance Documents](#)
  - Fact sheets, presentation slides, and policy templates
- [Monthly Educational Webinars](#)
- RSS Feed
- Partner Listserv



# FEC Partner Requirements

- Register
- Complete Baseline Survey
- 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



# 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

- 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**



# 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**



# FY2011 Annual Reporting Results

Annual Goals for FEC Partners	FY2011 FEC Partner Reporting Results*
<p><b>95%</b> of eligible electronic equipment purchased or leased annually by FEC Partners is EPEAT® registered</p>	<p><b>95%</b> of computer desktops, laptops and monitors purchased or leased were EPEAT registered</p> <p><b>3%</b> were EPEAT Bronze; <b>17%</b> were EPEAT Silver; <b>80%</b> were EPEAT Gold</p>
<p><b>100%</b> of eligible computers and monitors in operation at FEC Partner facilities have ENERGY STAR® features enabled</p>	<p><b>76%</b> of monitors and <b>74%</b> of computers had ENERGY STAR® power management features enabled</p>
<p><b>100%</b> of eligible computers and imaging equipment in operation at FEC Partner facilities have duplexing features set to default</p>	<p><b>28%</b> of reporting Partners have 100% of eligible computers and imaging equipment set to duplex by default</p> <p>Another <b>42%</b> of reporting Partners have at least some of their eligible computers and imaging equipment set to duplex by default</p>



# FY2011 Annual Reporting Results

Annual Goals for FEC Partners	FY2011 FEC Partner Reporting Results*
<p>Desktop computers at FEC Partner facilities have an average life span of at least <b>four years</b></p>	<p><b>63%</b> of reporting Partners have a computer lifespan of at least 4-years, with a weighted average life span of <b>57 months</b></p>
<p>Used electronic equipment from FEC Partner facilities is reused internally or donated for reuse, to the <b>maximum extent practicable</b>.</p> <p><b>100%</b> of non-reusable electronic equipment disposed of annually by FEC Partner facilities is recycled using third-party certified recyclers</p>	<p><b>39%</b> of electronics taken out of service were reused; <b>56%</b> were recycled; <b>4%</b> were sold or had an unknown disposition; and less than <b>1%</b> were disposed of</p> <p><b>92%</b> of reporting Partners that used a recycler in 2011 used a certified electronics recycler, or a recycler at which they performed an on-site audit.</p>

*The FEC received 120 FEC Facility Partner Annual Reporting Forms for FY2011. These 120 reporting partners represent 483,908 employees.*





# FY2011 Environmental Benefits

Environmental Benefit	Achievement	Equivalent to
Energy savings	422,132 MWh	Electricity to power over <b>33,000</b> U.S. households for one year
Primary material savings	195,257 metric tons	Weight of over <b>5,300</b> 18-wheelers
Air emission savings, including Greenhouse gas emission savings	1,556,147 metric tons 43,620 metric tons	Removing over <b>31,000</b> passenger cars from the road for one year
Water emission savings	3,498 metric tons	
Toxic material savings	15 metric tons	Weight of <b>3</b> elephants
Municipal solid waste savings	5,364 metric tons	Solid waste generated by over <b>2,800</b> U.S. households in one year
Hazardous waste savings	812 metric tons	Weight of <b>6,600</b> refrigerators
Cost savings	<b>\$39.9 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



# For More Information

- <http://www.epa.gov/fec/>

- **Cate Berard**

Program Manager

U.S. Environmental Protection Agency

202-564-8847

[berard.cate@epa.gov](mailto:berard.cate@epa.gov)

