



## Federal Electronics Challenge 2011 Accomplishments Summary

Updated: 4/17/2012

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### INTRODUCTION

The Federal Electronics Challenge (FEC) is a partnership program that encourages federal facilities and agencies to: purchase greener electronic products; reduce impacts of electronic products during use; and manage obsolete electronics in an environmentally safe way.

Federal agencies and facilities participate as Partners in the program. The FEC provides Partners with resources and technical assistance for improving electronics management practices, and gives annual recognition to Partners that have achieved specific goals.

Through the provision of resources and recognition, the FEC assists all the participating federal agencies and facilities in meeting the electronics stewardship goals of Executive Order 13514, *Federal Leadership in Environment, Energy, and Economic Performance*.

### FEC PARTNERS

As of February 2012, the FEC had 127 Facility Partners from the following agencies:

- 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 State
- Department of the Treasury
- Department of Transportation
- Department of Veterans Affairs
- Environmental Protection Agency
- General Services Administration
- National Aeronautics and Space Administration

These partners represent 495,358 employees.<sup>1</sup>

### FEC PROGRAM ACCOMPLISHMENTS

#### *Development and Revision of FEC Resources*

The FEC has over 70 resource documents and tools for federal agencies and facilities on the environmentally sound management of electronics. In 2011, the FEC added a new resource section for Duplex Printing and Paper Usage, in recognition of the duplexing goals included in Executive Order 13514.

#### *FEC Educational Events*

The FEC held fourteen Partner Education Webinars in 2011. Program staff and guest speakers presented the latest information on a variety of topics, including: purchasing green electronics; computer and monitor power management; reusing and recycling electronics; using Energy Saving Performance Contracts for electronics stewardship projects; duplexing and print management; and measuring electronics stewardship successes.

#### *FEC Technical Assistance*

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<sup>1</sup> Following the submission of FY2011 Annual Reporting Forms, the FEC archived all non-reporting partners. This resulted in a significant decrease in the number of Partners. However, the list of Partners now actively reflects participating facilities.



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The FEC Regional Champions network continued to be available to FEC Partners to provide information and guidance on FEC best management practices and related issues.

### **FEC PARTNER ACCOMPLISHMENTS**

#### *FEC Awards*

Thirty-nine FEC Partners received a 2011 FEC Award for their accomplishments in fiscal year 2010. Seven Facility Partners from four agencies received an FEC Platinum Award; four Facility Partners from four agencies received an FEC Gold Award, twelve Facility Partners from three agencies received an FEC Silver Award, and sixteen Facility Partners from six agencies received an FEC Bronze Award.

Award applicants were required to complete all mandatory activities listed for the FEC Platinum, Gold, Silver, or Bronze Award levels, as applicable, as well as complete a set number of optional activities for each award level. Platinum and Gold Award applicants were also required to complete mentoring activities.

#### *FEC Partner Reporting*

The FEC Annual Reporting Form, due each January 31 for the previous fiscal year, allows FEC Partners and the FEC program to track progress towards the FEC national program goals. The table on the next page captures the results reported by FEC Partners for fiscal year 2011.

**FEC Reported Results for Fiscal Year 2011<sup>2</sup>**

FEC Goals	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>
<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>

<sup>2</sup>120 FEC Facility Partner Annual Reporting Forms were received for FY2011. These 120 reporting partners represent 483,908 employees.



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FEC has also calculated the environmental benefits of the activities reported by FEC Partners for fiscal year 2011. These environmental benefits were calculated using version 3.0 of the Electronics Environmental Benefits Calculator (EEBC).

### FEC Reported Environmental Benefits for Fiscal Year 2011

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>	

### CONTACT INFORMATION

If you have questions related to this resource or need other assistance with the Federal Electronics Challenge, please contact your Regional Champion: <http://www2.epa.gov/fec/technical-assistance>.

Visit the FEC online: <http://www2.epa.gov/fec/>

E-mail the FEC: [fec@epa.gov](mailto:fec@epa.gov)