



## Federal Electronics Challenge 2012 Accomplishments Summary

Updated:  
12/10/2013

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### INTRODUCTION

The Federal Electronics Challenge (FEC) was a partnership program that encouraged 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 participated as Partners in the program. The FEC provided Partners with resources and technical assistance for improving electronics management practices, and gave annual recognition to Partners that achieved specific goals.

Through the provision of resources and recognition, the FEC assisted 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*. The FEC has discontinued the awards and partnership program as of August 2013. *Note: Moving forward, if facilities wish to be recognized for their leadership in electronic stewardship, they should join the [Federal Green Challenge](#).*

### FEC PARTNERS

As of August 2013, the FEC had 78 Facility Partners from the following agencies:

- Department of Agriculture
- 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
- National Aeronautics and Space Administration

These partners represent 364,713 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 2012, 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 ten Partner Education Webinars in 2012. Program staff and guest speakers presented the latest information on a variety of topics, including: purchasing green electronics; computer and monitor power management; electronic stewardship for Small and Handheld Electronics; overview of the Federal Green Challenge Program; duplexing and print management; and measuring electronics stewardship successes.

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<sup>1</sup> Following the submission of FY2012 Annual Reporting Forms, the FEC archived all non-reporting partners. This resulted in a decrease in the number of Partners. The list of Partners actively reflects participating facilities.



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### FEC PARTNER ACCOMPLISHMENTS

#### *FEC Awards*

Twenty-seven FEC Partners received a 2012 FEC Award for their accomplishments. Nine Facility Partners from five agencies received an FEC Platinum Award; seven Facility Partners from three agencies received an FEC Gold Award, six Facility Partners from four agencies received an FEC Silver Award, and five Facility Partners from four agencies received an FEC Bronze Award.

#### *FEC Partner Reporting*

The FEC Annual Reporting Form, due each January 31 for the previous fiscal year, allowed 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 2012.

### FEC Reported Results for Fiscal Year 2012<sup>2</sup>

FEC Goals	FY2012 FEC Partner Reporting Results
<b>95%</b> of eligible electronic equipment purchased or leased annually by FEC Partners is EPEAT® registered	<b>96%</b> of computer desktops, laptops and monitors purchased or leased were EPEAT registered  Out of the EPEAT Purchased Products: <b>1.5%</b> were EPEAT Bronze; <b>11%</b> were EPEAT Silver; <b>88%</b> were EPEAT Gold
<b>100%</b> of eligible computers and monitors in operation at FEC Partner facilities have ENERGY STAR® features enabled	<b>91%</b> of monitors and <b>83%</b> of computers had ENERGY STAR® power management features enabled (up from 76% and 74% respectively in 2011)
<b>100%</b> of eligible computers and imaging equipment in operation at FEC Partner facilities have duplexing features set to default	<b>28%</b> of reporting Partners have 100% of eligible computers and imaging equipment set to duplex by default  Another <b>78%</b> of reporting Partners have at least some of their eligible computers and imaging equipment set to duplex by default (up from 42% in 2011)
Desktop computers at FEC Partner facilities have an average life span of at least <b>four years</b>	<b>80%</b> of reporting Partners have a computer lifespan of at least 4-years (up from 63% in 2011), with an average life span of <b>53 months</b>
<b>100%</b> of non-reusable electronic equipment disposed of annually by FEC Partner facilities is recycled using third-party certified recyclers	<b>99%</b> of reporting Partners that used a recycler in 2012 used a certified electronics recycler, or a recycler at which they performed an on-site audit (up from 92% in 2011)

<sup>2</sup>78 FEC Facility Partner Annual Reporting Forms were received for FY2012. These 78 reporting partners represent 364,713 employees.



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<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>47%</b> of electronics taken out of service were reused; <b>51%</b> were recycled (down from 56%); <b>1.5%</b> were sold or had an unknown disposition; and less than <b>.5%</b> were disposed of in a landfill</p> <p>In the Mixed Electronics Products category, <b>69%</b> was recycled, and <b>3%</b> was reused, <b>28%</b> was unknown which includes sales</p>
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FEC calculated the environmental benefits of the activities reported by FEC Partners for fiscal year 2012. These environmental benefits were calculated using version 3.0 of the Electronics Environmental Benefits Calculator (EEBC).

### FEC Reported Environmental Benefits for Fiscal Year 2012

Environmental Benefit	Achievement	Equivalent to
Energy savings	<b>421,254</b> MWh	Electricity to power over <b>32,980</b> U.S. households for one year
Primary material savings	<b>40,535</b> metric tons	Weight of over <b>1,117</b> 18-wheelers
Air emission savings, including Greenhouse gas emission savings	<b>283,363</b> metric tons <b>73,681</b> metric tons	Removing over <b>52,970</b> passenger cars from the road for one year
Water emission savings	<b>2,119</b> metric tons	
Toxic material savings	<b>16</b> metric tons	Weight of <b>3</b> elephants
Municipal solid waste savings	<b>4,682</b> metric tons	Solid waste generated by over <b>2,500</b> U.S. households in one year
Hazardous waste savings	<b>525</b> metric tons	Weight of <b>4,271</b> refrigerators
Cost savings	<b>\$42.9</b> million	

### 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://www.epa.gov/fec/forms/contact-us>.

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

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