





Greening Electronics Procurement with EPEAT™



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Agenda

1. Why Focus on Electronics?
2. What is EPEAT?
3. How Successful Has EPEAT Been to Date?
4. Next Steps for EPEAT

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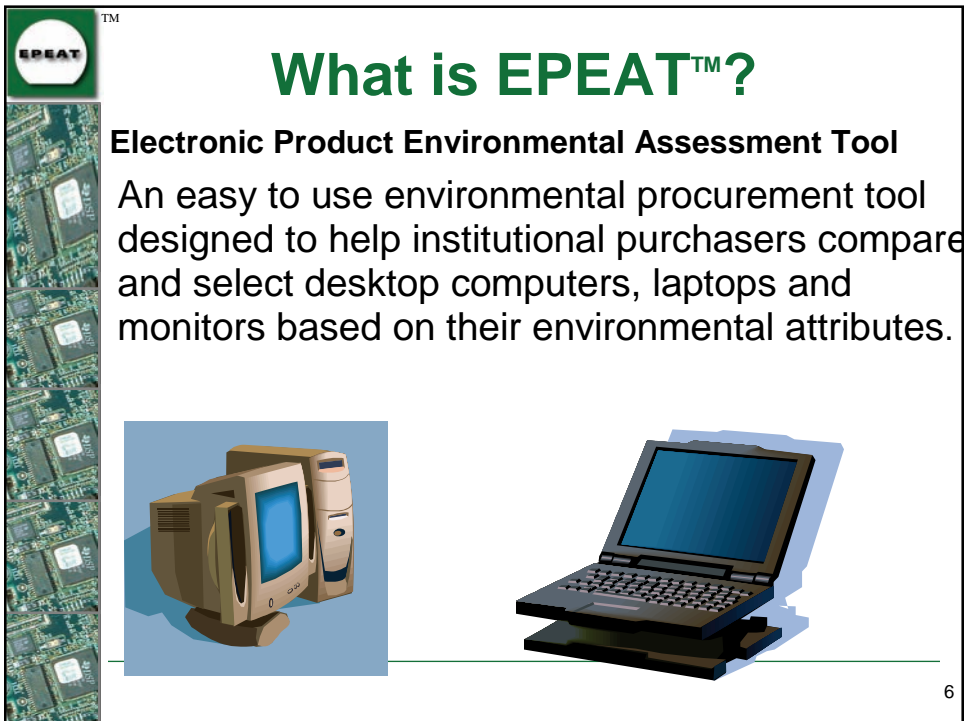
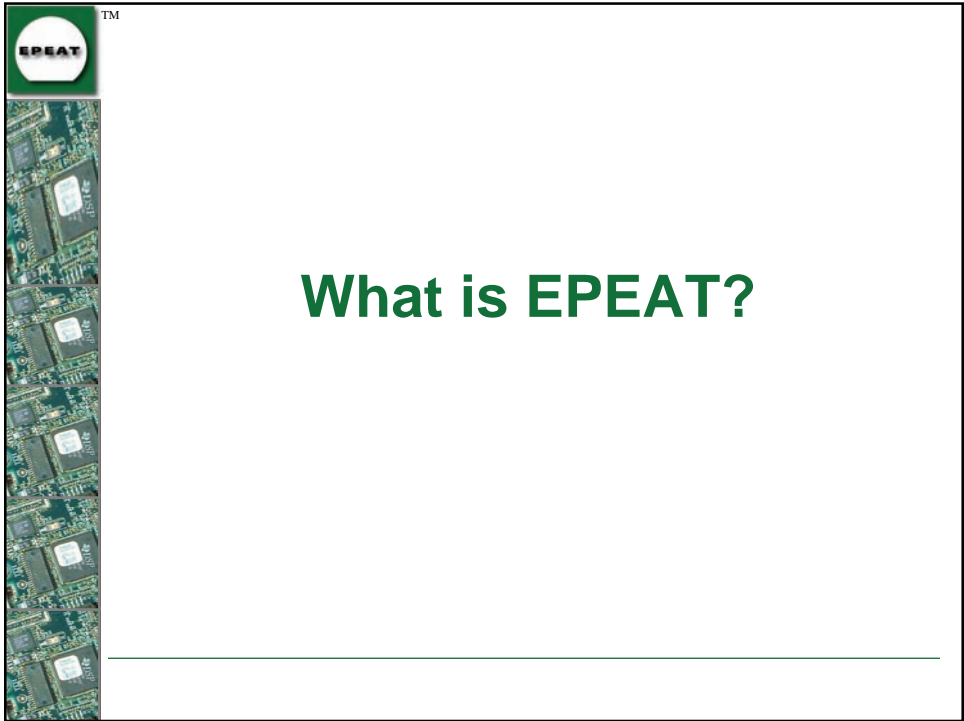


Why Focus on Electronics?



Why Focus on Electronics?

- Energy use/costs
 - Major contributor to solid waste stream
 - Can contain toxic and/or hazardous substances - potential harm to public health and the environment if disposed improperly
 - Big purchasers have big influence on market
 - All stakeholders wanted to collaborate
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What is the EPEAT™ System?

- 1) Standard comprised of 51 environmental performance criteria (IEEE 1680 American National Standard for the Environmental Assessment of Personal Computer Products)
- 2) System for identifying and verifying products which meet these criteria (www.epeat.net)
- 3) Environmental Benefits Calculator


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EPEAT™ Environmental Performance Categories

- **Environmentally Sensitive Materials**
- **Materials Selection**
- **Design for End of Life**
- **Product Longevity/Life Cycle Extension**
- **Energy Conservation**
- **End of Life Management**
- **Corporate Performance**
- **Packaging**


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EPEAT™ Tiers

		
BRONZE	SILVER	GOLD
Meets all 23 required criteria	Meets all required criteria plus 1/2 of optional	Meets all required criteria plus 3/4 of optional

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EPEAT™ Verification Process

- Like ENERGY STAR®
- Companies:
 - Sign MOU to participate
 - Register products as compliant
 - Must meet specific verification for all criteria
- Products routinely scrutinized:
 - Products verified after registration
 - Verification focuses on:
 - a single attribute or set of attributes across all products
 - all attributes within a single product or a subset of all products

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EPEAT™ Current Product Focus

- **Computer**
 - Desktops
 - Laptops
 - Monitors

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
How Successful Has EPEAT Been to Date?




EPEAT™ Registered Products

(as of 4/07/08)

EPEAT Registered Products Search Tool

Product	 BRONZE	 SILVER	 GOLD	Total
Desktops	4	60	32	96
Integrated Systems	0	11	0	11
Monitors	6	288	10	304
Notebooks	4	127	14	145
Totals	14	486	56	556

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- ## 26 Participating Manufacturers
- Apple
 - CIARA-TECH
 - CTL
 - Dell
 - Enano Computers
 - Fujitsu
 - GETAC
 - HP
 - Hyundai IT America
 - Lenovo
 - LG Electronics
 - MDG Computers Canada Inc.
 - MPC Computers
 - NCS Technologies
 - NEC Display
 - Northern Micro
 - One Laptop Per Child
 - Panasonic
 - Philips Electronics
 - Prosys Tech Corporation
 - Samsung
 - Sony Electronics
 - Toshiba
 - Transource
 - Viewsonic
 - Zonbu
- As of 4/07/2008
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Requirements For Feds to Buy EPEAT™ Registered Electronics

- **EPEAT™** is now in the Federal Acquisition Regulations (FAR):
 - **23.705 Electronic products environmental assessment tool.**
 - (a) *General.* As required by E.O. 13423, agencies must ensure that they meet at least 95 percent of their annual acquisition requirement for electronic products with Electronic Product Environmental Assessment Tool (EPEAT)-registered electronic products, unless there is no EPEAT standard for such products.

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Requirements For Feds to Buy EPEAT™ Registered Electronics

- Buying EPEAT® registered products directly impacts Agency OMB Environmental Scorecard Ratings
- EPEAT requirements being integrated into OMB IT Optimization Plans

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Feds Using EPEAT™

Department of Defense, Army	\$15.0B
Department of Homeland Security	\$6.024B
NASA SEWP IV GWAC	\$15.0B
GSA Alliant GWAC	\$5.0B
Department of Energy	\$0.4B
Department of Interior	\$0.2B
Department of Transportation	\$0.04B
Environmental Protection Agency	\$0.04B
Executive Office of the President	\$0.007B
NASA ODIN Contract	\$.100B
TOTAL	\$41.81B

View the full list of users at: <http://www.epeat.net/RFP.aspx>

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EPEAT™ Success: Others Using EPEAT

- **Baxter Healthcare**
- **Concurrent Technologies**
- **California**
- **Canada**
- **Kaiser Permanente**
- **Maine**
- **Minnesota**
- **New York**
- **New Zealand Department of Defense**
- **Premier, Inc.**
- **San Jose, California**
- **University of California**
- **Wisconsin**

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EPEAT™

Environmental Benefits

FIRST SIX MONTHS (7/06 – 12/06):

- 13.7 b. kWh saved = 1.2 million US homes/ 1yr
- 24.4 million metric tons materials reduced
- 56.5 million tons air pollution, including 1.07 million tons of GHG = 852,000 cars/yr
- Prevents 118,000 metric tons water pollution
- Reduces toxic materials use by 1,070 metric tons
- Avoids disposal of 41,000 metric tons of hazardous materials

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Next Steps for EPEAT



Long Term Strategy for EPEAT™

- Update existing computer standard
- Maintain and expand Electronics Environmental Benefits Calculator
- Develop new standards for four new electronic products

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EPEAT™ Next Products

- EPEAT solicited input from stakeholders to identify and prioritize the next product sets
- The four priority product categories are:
 - Imaging Products (Printers, copiers, etc.)
 - TVs
 - Servers
 - Handhelds (cell phones, PDAs, etc.)

To join a workgroup, please send an email to Holly Elwood at elwood.holly@epa.gov

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EPEAT™ Next Products

- Develop standards for:

Imaging Equipment	Held Scoping Meeting 2/20, 2/21 in SF Begin Summer 2008
TVs	Holding Scoping meeting 4/21 in DC Begin Summer 2008
Servers	Begin after first two standards completed
Cell Phones	Begin after first two standards completed

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For Further Info on EPEAT™

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