

# EPEAT Update

Federal Electronics Challenge

Partner Call

October 1<sup>st</sup>, 2009



# Presentation Overview

- What is EPEAT
- Example Criteria
- Participating Manufacturers
- Federal Purchasing Requirements
- Example EPEAT results
- How to use EPEAT & Common Questions
- Next Products
- Hold Questions to the End please

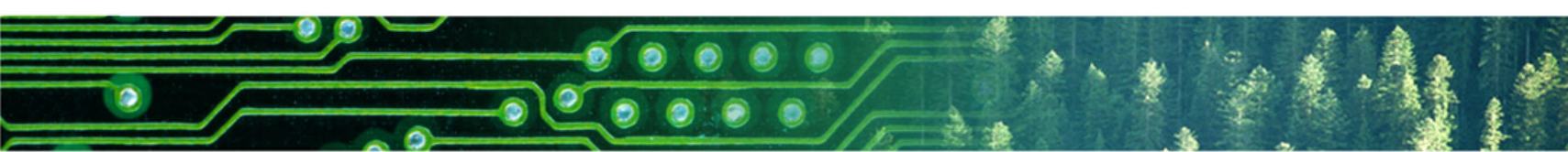


# What is EPEAT<sup>®</sup>?

An easy-to-use purchasing tool to help organizations compare computer desktops, laptops and monitors based on their environmental attributes.

Consists of:

- Set of voluntary environmental performance criteria (IEEE 1680)
- System for identifying and verifying products meeting the criteria ([www.epeat.net](http://www.epeat.net))



# Recognizing Higher Performance



**EPEAT Bronze**<sup>TM</sup>– Meets the 23 required criteria



**EPEAT Silver**<sup>TM</sup>– Meets 23 required criteria and at least 50% of the optional criteria



**EPEAT Gold**<sup>TM</sup>– Meets 23 required criteria and at least 75% of the optional criteria

# Example Criteria

- (R) EU RoHS compliance
- (O) Elimination of Pb, Hg, Cd, Cr(VI) in various components
- (R) Declare renewable/bio-based plastic content (%)
- (R) Minimum 65% reusable/recyclable
- (R) *ENERGY STAR*®
- (R) Provision of Product Take-back Service
- (R) Self-Certified EMS for design and manufacturing
- (R) Demonstrate consistency with ISO 14001

# 32 Participating Manufacturers



- Acer
- Apple
- Arquimedes Automatacao
- AsusTek
- CIARA-TECH
- Corporativo Lanix
- CTL
- Dell
- EIZO NANA0
- Fujitsu
- Gammatech
- General Dynamics Itronix
- GETAC
- Hewlett Packard
- Howard Technology Solutions
- Hyundai IT America
- Lenovo
- LG Electronics
- M&A Technology
- MDG Computers
- NCS Technologies
- NEC Display Solutions
- Northern Micro
- Panasonic
- Philips Electronics
- Positivo Informatica
- Samsung
- Sony Electronics
- Toshiba
- TPV
- Transource
- Viewsonic

As of 05/11/2009. See [www.epeat.net/Companies.aspx](http://www.epeat.net/Companies.aspx) for current list.

# Requirements for Feds to Buy EPEAT™ Registered Electronics

- Acquisition of EPEAT registered electronic products is required by:
  - Federal Acquisition Regulation (FAR) Section 23.705
  - E.O. 13423
  - Energy Policy Act of 2005
- Compliance measured in:
  - OMB Environmental Stewardship Scorecard
- EPEAT requirements are also being integrated into OMB IT Optimization Plans





# Example EPEAT Results

- 47.9% of notebooks and 23.69% of desktops sold in the US in 2008 were EPEAT registered.
- 19.49 % of all computer desktops, laptops, and monitors sold worldwide in 2008 were EPEAT registered.
- Thirteen of the 22 Federal Agencies reported meeting the goal of 95% or higher EPEAT purchasing in their 2008 IT acquisitions, with many others moving toward that rate of compliance.

# EPEAT Benefits Example



For every 1,000 EPEAT Silver registered desktops purchased and replaced products recycled :

- ↓ Energy use by 1.2 million kWh  
= **electricity to power 101 homes annually**
- ↓ Greenhouse gas emissions by 90 MTCE  
= **removing 71 cars from the road per year**
- ↓ Municipal solid wastes by 34.7 metric tons  
= **waste generated by 18 homes annually**
- ↓ Toxic materials, incl. lead & mercury **by 340 pounds**

# 2007 EPEAT Environmental Benefits



*109+ million EPEAT qualified products sold worldwide*




<b>REDUCTION over conventional products</b>	<b>EQUIVALENT</b>
3.4 million metric tons carbon equivalent GHG emissions	Removing 2.7 million U.S. cars from the road for a year.
3,440 metric tons toxic materials, including mercury	Weight of ~1.7 million bricks Mercury in 488,266 fever thermometers
131,000 metric tons hazardous waste	The weight of ~65 million bricks
43.3 billion kWh of electricity	Consumption of 3.8 million U.S. homes/ 1 year
77.4 million metric tons primary materials	The weight of ~600 million refrigerators

For calculation tool, add'l benefits info, see [www.epeat.net/FastBenefits.aspx](http://www.epeat.net/FastBenefits.aspx)

# How Can I Use EPEAT<sup>®</sup> ?



Search by Manufacturer or Criteria

EPEAT Registered Products Search Tool				
Product	 <b>BRONZE</b>	 <b>SILVER</b>	 <b>GOLD</b>	Total
Desktops	<u>6</u>	<u>53</u>	<u>90</u>	<u>149</u>
Integrated Systems	0	<u>22</u>	0	<u>22</u>
Monitors	<u>6</u>	<u>398</u>	<u>36</u>	<u>440</u>
Notebooks	0	<u>289</u>	<u>133</u>	<u>422</u>
Totals	12	762	259	1033

\* Integrated System is a desktop and integrated monitor as one product

**<[www.epeat.net](http://www.epeat.net)>**

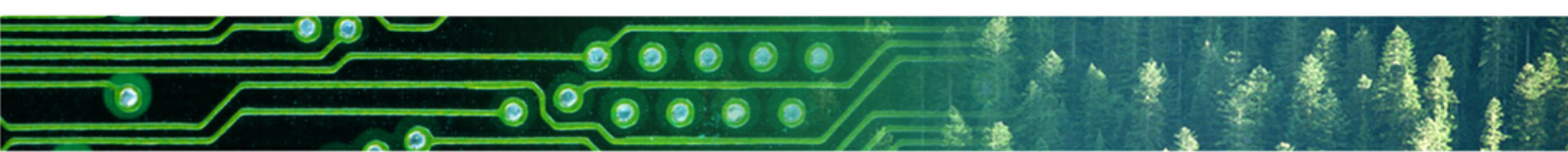


# Common Questions

Q – Why can't I find the model I want on the registry?

Example: I want a **Toshiba Portege R500-S5006X**, but I don't see that specific model listed.

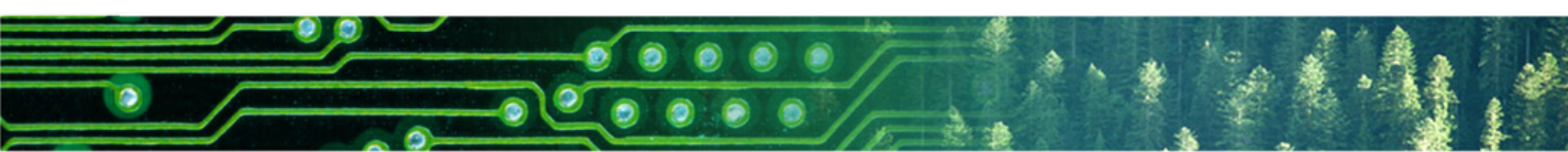
A – All configurations within a model family are EPEAT registered – **UNLESS** they have specific exceptions. Try a Google Search to confirm your model.



**Back button may cause system errors and is not recommended.**

Compare Products

Compare	Product	Product Category	Rating	Opt. Pts	Monitor Type	Monitor Size	Registration Date	Status	Exception:
<input type="checkbox"/>	<a href="#">Toshiba Portege R500 - PPR50U</a>	Notebooks	Gold	23	Flat Panel	12.1 in	7/20/2007	Active	
<input type="checkbox"/>	<a href="#">Toshiba Portege M700/710 PPM70U</a>	Notebooks	Gold	22	Flat Panel	12.1 in	12/4/2007	Active	
<input type="checkbox"/>	<a href="#">Toshiba Portege R600 PPR60U</a>	Notebooks	Gold	22			10/14/2008	Active	
<input type="checkbox"/>	<a href="#">Toshiba Portege M700/M710 PPM71C</a>	Notebooks	Gold	22			3/3/2009	Active	
<input type="checkbox"/>	<a href="#">Toshiba Portege M700/M710 PPM72C</a>	Notebooks	Gold	22			3/3/2009	Active	
<input type="checkbox"/>	<a href="#">Toshiba Portege M700/M710 PPM71U</a>	Notebooks	Gold	22			3/3/2009	Active	
<input type="checkbox"/>	<a href="#">Toshiba Portege M700/M710 PPM72U</a>	Notebooks	Gold	22			3/3/2009	Active	
<input type="checkbox"/>	<a href="#">Toshiba Tecra R10 PTRB0</a>	Notebooks	Gold	22			3/4/2009	Active	



**TOSHIBA**  
Leading Innovation >>>

## Toshiba Portege R500-S5006X Notebook

Part #: PPR50U-07X020



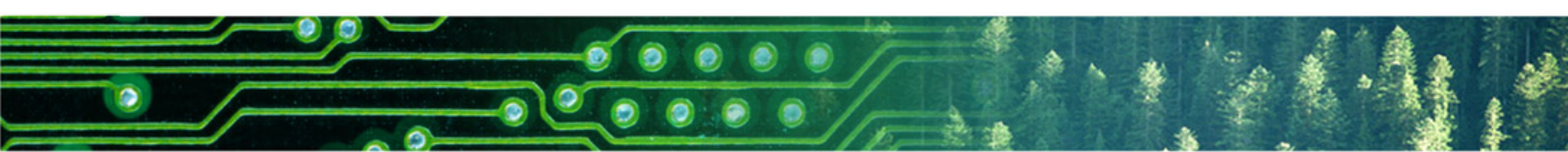
**DISCONTINUED**

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to place your order or email us   
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# Common Questions

Q – The EPEAT computers I bought are now in the archived list, not in the current list, will that affect my FEC award application?

A – Probably not.

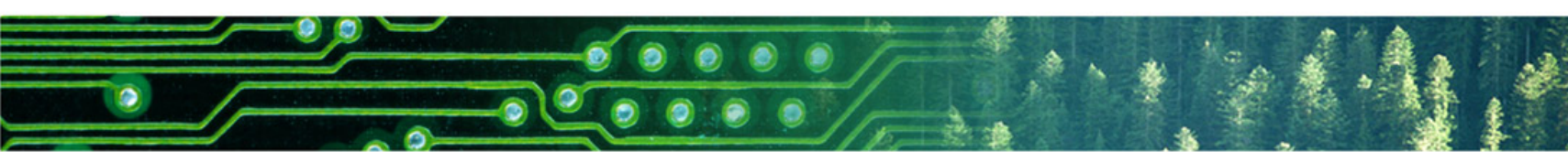
- So long as the computers you purchased were registered on the active EPEAT list *at the time*, these fulfill federal and FEC application requirements.

# Common Questions

Q - I want a non-EPEAT registered product.  
Can I buy it?

A - Yes, but keep in mind:

- Federal policy is to buy EPEAT
- if you buy in quantity, you may be bumping into the 5% exception
- you should evaluate whether added functionality offsets EPEAT registration
- you should provide short justification to purchasing office for not buying EPEAT



# EPEAT™ Next Products

Imaging Equipment	Underway
TVs	Underway
Servers	Begin after first two standards completed
Cell Phones	Begin after first two standards completed



# FEC, EPEAT, & TVs

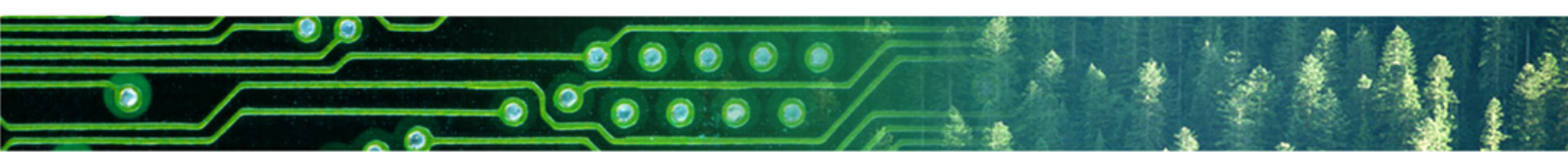
- Existing FEC requirement for “Other Electronics”:
  - 75% should fulfill 3 Environmental Attributes
  - *ENERGY STAR*® is only one attribute.
- EPEAT is now working on a TV standard.
- Are there many Fed facilities on the call today poised for major TV purchases?

# California's TV standard?

Q – Will CA force retailers to only sell energy-efficient TV sets?

A – Maybe:

- CEC's proposed standards are in a 45-day public comment period now.
- Approval period scheduled for November.
- Implementation in 2011, with a possible tightening in 2013.
- May duplicate *ENERGY STAR*® standard for FEC's 3-attribute purchasing requirement.



# More Questions?

- Questions?
- Contact Information:
  - Your Regional FEC Champion
    - <http://www.federalelectronicschallenge.net/champions.asp>
- Thank you!