

An Easy Way to Green IT

Welcome!

Today's Speakers are:

- Sarah O'Brien, EPEAT Outreach Director
- Melissa Quinn, Softchoice Sustainability Programs Manager
- Jerome Kudera, Toshiba Product Manager

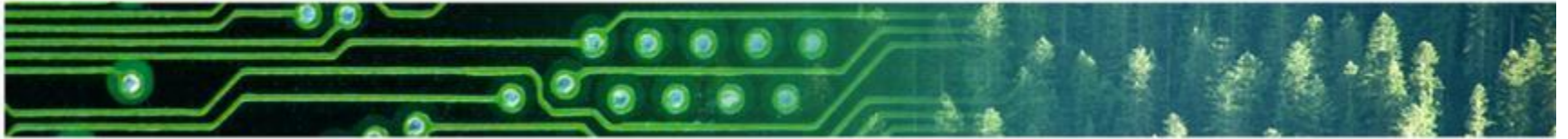


Greening Electronics Procurement with EPEAT™



Sarah O'Brien
Green Electronics Council





Why purchase environmentally responsible electronics?

They represent environmental costs & opportunities

- Energy use & costs
 - Harm to public health and environment from toxic content & manufacturing
 - User exposures
 - Environmental and human risks if e-waste is dumped
-



What is EPEAT™?

Electronic Product Environmental Assessment Tool

An environmental procurement tool designed to help IT purchasers address environmental concerns in their purchasing process for desktop computers, laptops, integrated systems and monitors.





Why use EPEAT™?

It makes it simple to procure 'green' computers:

- Addresses dozens of environmental criteria at once
 - Includes all phases of the organizational life cycle
 - Design
 - Performance & Use
 - Packaging
 - Refurbishment & End of Life
 - Does not add cost
 - Allows flexibility – Bronze, Silver, Gold
 - Will continually increase stringency
-



EPEAT™ Development

- Developed in a 3-year multi-stakeholder process
 - To address difficulty with “green computer” sourcing
 - Extensive engagement of:
 - Environmental advocacy groups
 - Manufacturers, Technical Experts, Recyclers
 - Private and public purchasers
 - Consensus achieved on environmental criteria and the EPEAT™ system

EPEAT™ was developed and is guided by *all stakeholders*



The EPEAT™ System

- 1) Standard comprised of 51 environmental performance criteria (IEEE Standard 1680 for the Environmental Assessment of Personal Computer Products)
 - 2) System for identifying and verifying products which meet these criteria
 - 3) Environmental Benefits Calculator to assess (or project) benefits from purchasing EPEAT
-



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
-



Key Mandatory Criteria

- Current ENERGY STAR standard
 - RoHS compliance
 - OEM takeback and recycling (available)
 - Min. 65% recyclable/reusable
 - Upgradeable with common tools
 - Extended warranty available
 - Elimination of toxics in packaging
 - Company EMS and reporting
-



EPEAT™ Tiers



TM EPEAT Bronze

– Meets all 23 mandatory criteria



TM EPEAT Silver

– Meets all mandatory criteria
and at **least 50%** of the optional criteria



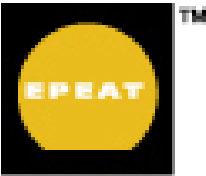


TM EPEAT Gold

– Meets all mandatory criteria and
at **least 75%** of the optional criteria



EPEAT Registered Products

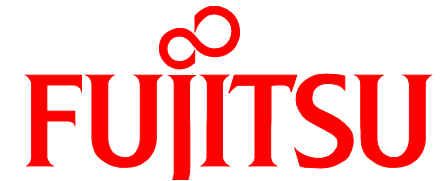
	 BRONZE	 SILVER	 GOLD	Total
Desktops	4	58	38	100
Integrated Systems	0	11	0	11
Monitors	6	284	12	302
Notebooks	4	127	14	145
Total	14	480	64	558





26 Participating Manufacturers

Including:



i n v e n t





EPEAT™ Product Verification Process

- Manufacturers:
 - Sign legal agreement to participate
 - Register products as compliant
 - Must have specific verification evidence for all criteria
 - Products routinely verified:
 - Random timing, no advance notice
 - Conformance decided by independent panel
 - Results published, total transparency
-



Purchasers Using EPEAT

- **Federal Governments:**

- USA (approx \$65 billion in contracts citing EPEAT) NASA, DOD, EPA, DHS, DOE, DOI, GSA, Federal Acquisition Regulations (FAR).
- Canadian Federal Government Master Agreement
- New Zealand Environmental Ministry

- **Private Sector:**

- Kaiser Permanente, HSBC, Premier Inc., McKesson, Marriott International, Deloitte

- **Cities:**

- San Francisco, Phoenix, AZ, San Jose, CA, Vancouver, BC, Seattle, WA, Portland OR, LA County

- **States/Provinces:**

- New York, Oregon, Washington, Wisconsin, Massachusetts, California, Province of Nova Scotia, Ontario Lottery



Electronics Environmental Benefits Calculator

- Measures benefit of specific purchases compared with conventional models

White cells indicate optional data inputs within each product.

PURCHASING INFORMATION:	
USER INPUT	Input data or click answer
Product 1	Enter a product ID, if desired: <input type="text"/>
Choose one	<input checked="" type="radio"/> Computer Processing unit (CPU) <input type="radio"/> Cathode ray tube monitor (CRT) <input type="radio"/> Liquid crystal display (LCD) <input type="radio"/> Notebook computer
Number of products purchased	<input type="text" value="30682"/>
Is the product EPEAT registered?	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Not applicable
If yes, which EPEAT registration tier?	<input type="radio"/> Bronze <input type="radio"/> Silver <input checked="" type="radio"/> Gold <input type="radio"/> Do not know

Metric:	Equivalency:
Energy Savings = electricity to power	3838 US household(s) in a year
Greenhouse Gas Reduction* = removing	2539 passenger car(s) from the road per year
Solid Waste Reduction = solid waste generated by	479 US household(s) in a year
Primary Material Savings* = the weight of	507760 refrigerator(s)
HW Reduction = the weight of	53529 brick(s)
Toxic Material Reduction:	
all toxics, including Hg = the weight of	1378 brick(s)
mercury only = the mercury in	1658 mercury fever thermometer(s)
Air emissions* =	148810 metric ton(s) of air emissions
Water emissions* =	321 metric ton(s) of water emissions
Cost savings =	-\$5,593,455



EPEAT Benefits Snapshot

For every 1,000 EPEAT™ Silver registered computers:

- ↓ 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**





Why add EPEAT™ to IT Purchasing?

- Ease of use
- Volume/range of registered products
- Transparency/Credibility/Verification
- Tiers promote competition to improve
- Calculator for assessment/reporting
- Keeping up with the market



Softchoice EcoTech Solutions



Melissa Quinn

Sustainability Programs Manager, Softchoice





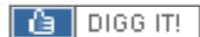
HARDWARE SELECTION



<< EcoTech Solutions

- >> EPEAT Hardware Selection
- >> **Travel-Reducing Technology**
- >> Hardware Removal
- >> PC Power Management
- >> Paper-Reducing Technology
- >> Data Center Efficiency
- >> Green IT Training & Events

Green Electronics Made Easy



EPEAT, which is an acronym for Electronic Product Environmental Assessment Tool, is a rating standard to help IT purchasers evaluate desktop computers, notebooks and monitors based on their environmental attributes. EPEAT evaluates electronic products according to three tiers of environmental performance: Bronze, Silver and Gold. The complete set of performance criteria covers a total of eight categories, including energy conservation, materials selection, and packaging.

Search Softchoice's EPEAT Products:

- >> All EPEAT products
- >> EPEAT-registered notebooks
- >> EPEAT-registered desktops
- >> EPEAT-registered monitors

EPEAT Background

EPEAT was launched in July of 2006 as part of a U.S. Environmental Protection Agency (EPA) funded effort. It was developed over a three year period in an extensive consensus-based, EPA-funded process that included more than 100 representatives from environmental groups, government officials, large volume computer purchasers, subject matter experts, electronics recyclers, and manufacturers. The mandatory purchase of EPEAT products is being adopted by many organizations, including the US Federal Government, the Government of Canada and the State of California.

In the next five years the U.S. EPA estimates that purchase of EPEAT products will result in the

Refine Your Search

Your current search terms:

- Notebooks
- EPEAT Green Electronics Rating

Add more terms by searching below to refine your search

» SEARCH WITHIN RESULTS

Narrow Search By

MANUFACTURER

- FUJITSU (71)
- Lenovo (199)
- Panasonic (22)
- Toshiba (19)

COST

- \$500-\$1000 (2)
- \$1000-\$1500 (48)
- \$1500-\$2000 (112)
- \$2000 and more (149)

EPEAT GREEN ELECTRONICS RATING

- EPEAT Gold (6)
- EPEAT Silver (305)

DISPLAY (PROJECTOR) DIAGONAL SIZE

Your search matched **311** product(s).

» Hide Thumbnails

Sort By: Best Matches

Results to display: 15 per page

» COMPARE

« 1 2 3 4 5 »



» **Toshiba Tecra A9-MH3 - Core 2 Duo T7250 / 2 GHz**
Mfg # [PTS52C-MH309C](#) | Softchoice # [V83333](#)

\$1,232.89
STOCK: 483



Toshiba Tecra A9-MH3 - Core 2 Duo T7250 / 2 GHz - RAM 1 GB - HDD 120 GB - DVD±RW (±R DL) / DVD-RAM - GMA X3100 - Gigabit Ethernet - WLAN: 802.11 a/b/g/n (draft) - TPM - fingerprint reader - Vista Business - 15.4" Widescreen TFT 1280 x 800 (WXGA) - EPEAT Silver



» **Toshiba Tecra M9-TG4 - Core 2 Duo T7300 / 2 GHz**
Mfg # [PTM91C-TG409C](#) | Softchoice # [U59106](#)

\$1,599.00
STOCK: 457



Toshiba Tecra M9-TG4 - Core 2 Duo T7300 / 2 GHz - RAM 2 GB - HDD 120 GB - DVD±RW (±R DL) / DVD-RAM - Quadro NVS 130M - Gigabit Ethernet - WLAN: Bluetooth 2.0 EDR, 802.11 a/b/g/n (draft) - TPM - fingerprint reader - Vista Business - 14.1" Widescreen TFT 1280 x 800 (WXGA) - EPEAT Silver



» **Toshiba Tecra M9-TG6 - Core 2 Duo T7500 / 2.2 GHz**
Mfg # [PTM90C-TG609C](#) | Softchoice # [X11514](#)

\$1,499.00
STOCK: 274



Toshiba Tecra M9-TG6 - Core 2 Duo T7500 / 2.2 GHz - RAM 2 GB - HDD 120 GB - DVD±RW (±R DL) / DVD-RAM - GMA X3100 Dynamic Video Memory Technology 4.0 - Gigabit Ethernet - WLAN: 802.11 a/b/g - TPM - fingerprint reader - Vista Business - 14.1" Widescreen TFT 1280 x 800 (WXGA) - EPEAT Silver



» **Toshiba Portege R500-00V - Core 2 Duo U7600 / 1.2 GHz**
Mfg # [PPR50C-00V09C](#) | Softchoice # [U50455](#)

\$2,267.31
STOCK: 274



Toshiba Portege R500-00V - Core 2 Duo U7600 / 1.2 GHz -



Toshiba Portege R500-00V - Core 2 Duo U7600 / 1.2 GHz

Mfg # PPR50C-00V09C | Softchoice # U50455



PRODUCT HIGHLIGHTS

- Core 2 Duo U7600 / 1.2 GHz
- RAM 1 GB
- HDD 120 GB
- DVD±RW (+R DL) / DVD-RAM
- GMA 950
- Gigabit Ethernet
- WLAN : Bluetooth 2.0 EDR, 802.11 a/b/g/n (draft)
- TPM
- fingerprint reader
- Vista Business
- 12.1" Widescreen TFT 1280 x 800 (WXGA)
- EPEAT Gold

REAL-TIME AVAILABILITY

Quantity: 258 In Stock

\$2,267.31

lease for \$93.03 / month*
finance for \$109.44 / month*

1 Quantity:

 [» ADD TO CART](#)



[» View all Toshiba Notebooks](#)

Product details



GOLD

With its ultralight design and stunning silhouette, the feather light 1.72 pound Portégé R500 Series is the transcendent expression of executive mobility and style. The Portégé R500 Series represents an uncompromising synthesis of portability and productivity that's meticulously engineered for the demands of executive computing.

Tech specs

Card Reader

Type	Card reader
Supported Flash Memory Cards	SD Memory Card

Display

Display Type	12.1" TFT
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Customers who bought this product also bought:

- [» Microsoft Wireless Notebook Optical Mouse - Mouse - optical - \\$33.00](#)
- [» Toshiba Primary Battery Pack - Notebook battery - 1 x lithium ion \(- \\$159.00](#)
- [» Toshiba SelectServ SystemGuard with Accidental Damage Protection - Extended service agreement - parts and labor - \\$305.87](#)

Top-selling Toshiba Notebooks:

Coming Soon...

- EPEAT Purchasing Partner Program
 - Assistance with calculating your organizations environmental benefits
 - Verification of your EPEAT purchases
 - Official recognition on EPEAT website and yours!
- Invitation to participate in a beta program for the certification of your EPEAT purchasing
- Contact Melissa.Quinn@softchoice.com



EcoTech Solutions

In this section:

- » EPEAT Hardware Selection
- » Travel-Reducing Technology
- » Hardware Removal
- » PC Power Management
- » Paper-Reducing Technology
- » Data Center Efficiency
- » Green IT Training & Events

softchoice

ECOTECH
SOLUTIONS



Putting IT in the forefront of sustainable change

www.softchoice.com/EcoTech



EcoTech Solution Categories



EPEAT
SEARCH & BUY



TRAVEL-REDUCING
TECHNOLOGY



E-WASTE
DISPOSAL



PC POWER
MANAGEMENT



PAPER-REDUCING
TECHNOLOGY



DATA CENTER
EFFICIENCY



Toshiba

Leading Innovation



Jerome Kudera
Product Manager, Toshiba



> The
Portégé R500

1 rated EPEAT Gold Product

Showcase of Toshiba's leading quality, innovation and design

➤ The world's first notebook with transfective LED

12.1"

➤ The world's lightest notebook (SSD, no ODD SKU)

779 g

➤ The world's first notebook with the slimmest optical disc drive

7 mm

➤ One of the world's thinnest notebooks

19.5 mm



➤ One of the world's longest battery operating times

9.7 hrs

Top 10 Reasons to buy the Portégé R500:

- › Probably the best ultra-mobile notebook in the world
- › Ultra-light platform starting at 779 g for true mobility
- › Industry leading battery life
 - Enough for a full working day
- › Built-in optical drive for added convenience
- › High level EasyGuard technology for carefree mobile computing
- › Shock protected chassis – 75 cm drop tested
- › Switchable transfective LED backlit display
- › 100 cc spill-resistant keyboard
- › Full size keyboard for ease of use
- › Extensive wireless capabilities



Toshiba Global Environmental Initiatives

Committed to the Future.

Committed to the Environment.

A 20 year history of environmental commitment.



Toshiba Global Environmental Initiatives

Brief Overview

- Today - Almost doubled our eco-efficiency factor against 2000
- 2050 – Raise our overall eco-efficiency tenfold over 2000
- Phase out PVC plastic and brominated flame retardants (BFRs) from the entire product range by 2009
- Stringent Green Procurement Guidelines for suppliers
- Notebook PCs that have circuit boards free of halogens and antimony.

Today - Zero emissions achieved by 38% of sites Worldwide

TERRE –

Toshiba's Environmental Recovery and Recycling Effort

- Toshiba will recycle any manufacturer's laptop computer, projector, LCD monitor, or pocket PC free of charge.

- Scouts Canada –Leave No Trace Program

Toshiba is proud to sponsor a fun and informative program to educate youth on the proper respect and care for the environment.



RoHS Directive

Going above and beyond regulatory compliance

Toshiba unveiled the first RoHS compatible notebook in October 2005, a full 10 months prior to the RoHS standard taking effect.

Toshiba is proud to be a registered manufacturer with *EPEAT* and *Energy Star*

- Toshiba has the most EPEAT Gold rated notebooks
- Portégé R500 the most environmentally friendly notebook in the EPEAT program.



An Easy Way to Green IT

Thank you for attending today's webinar

We will send you an email with:

- The contact information for all today's webinar speakers
- Links to all the information presented today
- Opportunity to sign up for more Green IT Webinars in the future

