Guidance on Purchasing EPEAT® Registered Products

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Introduction to EPEAT®

What is EPEAT®?

- The Electronic Product Environmental Assessment Tool (EPEAT)

- Helps *purchasers* evaluate, compare and select electronic products based on their environmental attributes

- Enables *manufacturers* to obtain market recognition through achievement of specific performance criteria in electronic product design and sales

- Managed by the *Green Electronics Council*

What is EPEAT® Continued…

- A set of <u>environmental performance standards</u> for electronic products

- A <u>registry of products</u> that meet the standards

- A <u>verification</u> system to ensure that products have achieved specified performance criteria

What Products Does EPEAT® Cover?

- **Computers:**
  - Desktops, Notebooks (including two in one notebooks), Monitors/Displays (including Signage Displays), Integrated Desktop Computers, Workstation Desktops, Thin Clients, and Slates/Tablets
- **Imaging equipment:**
  - (Printers, Copiers, Multi-Function Devices, Scanners, Fax Machines, Digital Duplicators, Mailing Machines)
- **Televisions**
- **Mobile Phones**
- **Servers**

Up Next:

- **Network Equipment**

What Products Does EPEAT® Not Cover Yet?
(as of May 2019)

- Peripherals, except those sold with covered products
- Digital whiteboards
- Handheld scanners and printers (e.g., for bar codes)
- Digital picture frames
- Network Equipment (switches, routers, etc.)

How are the Standards EPEAT® Uses Created?

- Developed through ANSI accredited Standards Development Organizations (NSF, UL, IEEE)
- Through an open, consensus based process
- Participation by manufacturers, suppliers, recyclers, academics, government representatives, purchasers, and environmental advocacy organizations

How are products rated in EPEAT®?

- Products must meet all **required** criteria to qualify for EPEAT.

- Products are rated Bronze, Silver or Gold based on how many **optional** criteria they meet

Green (< 50%) — epeat BRONZE   Greener (50-75%) — epeat SILVER   Greenest (> 75%) — epeat GOLD

Why Buy EPEAT® Registered Products?

Why Buy EPEAT® Registered Products?

- Save the government money

- Reduce environmental and public health impacts of IT manufacture, use, and disposal

- Use the power of the federal pocketbook to drive change in the global marketplace

- Win an EPEAT Purchaser Award

- It's required

2017 Cost Savings & Environmental Results

of products purchased Worldwide: ~ 203.7 million
# of products purchased by Federal Government: ~ 7.5 million

	Worldwide	US Fed Government
Energy (kWh)	38,255,624,000	2,103,000,000
Primary Materials (kg)	12,321,584,000	629,500,000
GHG Emissions (kg of CE)	6,713,454,000	356,700,000
Air Emissions (kg)	24,529,773,000	1,252,000,000
Water Emissions (kg)	59,739,880	3,531,000
Municipal Solid Waste (kg)	208,860,830	15,340,000
Hazardous Waste (kg)	91,413,740	5,536,000
Cost ($)	3,939,961,100	216,800,000

Global Environmental Benefits

Over their lifetime, compared to products that do not meet EPEAT criteria, the 203,713,411 EPEAT-registered IT products purchased worldwide in 2017 alone will result in the reduction of:

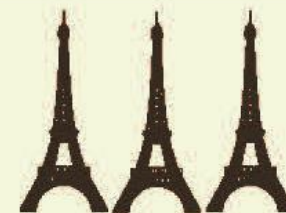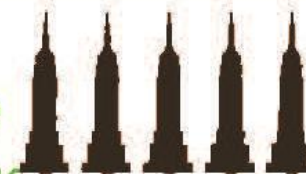|		
GHG Emissions	**25 million** Metric Tons of CO_2 equivalents	Taking 5.4 million average US passenger cars off the road for a year
Hazardous Waste	**91,413** Metric Tons	The weight of 9 Eiffel Towers
Primary Materials	**12 million** Metric Tons	The weight of 37 Empire State Buildings

2018 EPEAT Purchaser Award Winner & Results

GREEN ELECTRONICS COUNCIL

U.S. Department of Homeland Security

Over their lifetime, compared to products that do not meet EPEAT criteria, the 110,820 EPEAT-registered IT products purchased by the U.S. Department of Homeland Security in 2017 will result in environmental impact reductions including:

- Reduce use of primary materials by 13,716 metric tons, equivalent to the weight of 378 semi-trucks
- Avoid the disposal of 103 metric tons of hazardous waste, equal to the weight of 837 refrigerators
- Eliminate the equivalent of 195 U.S. households' solid waste for a year—364.6 metric tons
- Avoidance of 72.8 metric tons of water pollutant emissions

Energy-Related Savings

EPEAT's requirement that registered products meet, and often exceed, the latest ENERGY STAR specifications means these products will consume less energy throughout their useful life, resulting in:

- Savings of 43,602 MWh of electricity—enough to power 3,414 U.S. households for a year
- Reduction of 7,408 metric tons of greenhouse gas emissions— equivalent to taking 25 average U.S. passenger cars off the road for a year
- $4,490,500 in lifetime cost savings

GREEN ELECTRONICS COUNCIL

U.S. General Services Administration

Over their lifetime, compared to products that do not meet EPEAT criteria, the 5,236 EPEAT-registered IT products purchased by the U.S. General Services Administration in 2017 will result in environmental impact reductions including:

- Reduce use of primary materials by 245 metric tons, equivalent to the weight of 7 semi-trucks
- Avoid the disposal of 2.4 metric tons of hazardous waste, equal to the weight of 19 refrigerators
- Eliminate the equivalent of one U.S. household's solid waste for a year—2.6 metric tons
- Avoidance of 1.3 metric tons of water pollutant emissions

Energy-Related Savings

EPEAT's requirement that registered products meet, and often exceed, the latest ENERGY STAR specifications means these products will consume less energy throughout their useful life, resulting in:

- Savings of 820,386 kWh of electricity—enough to power 64 U.S. households for a year
- Reduction of 144 metric tons of greenhouse gas emissions— equivalent to taking 103 average U.S. passenger cars off the road for a year
- $84,691 in lifetime cost savings

What is More Sustainable About EPEAT® Registered Products?

Products must meet several required criteria and can also meet more stringent optional criteria in each of these categories

U.S. Environmental Protection Agency
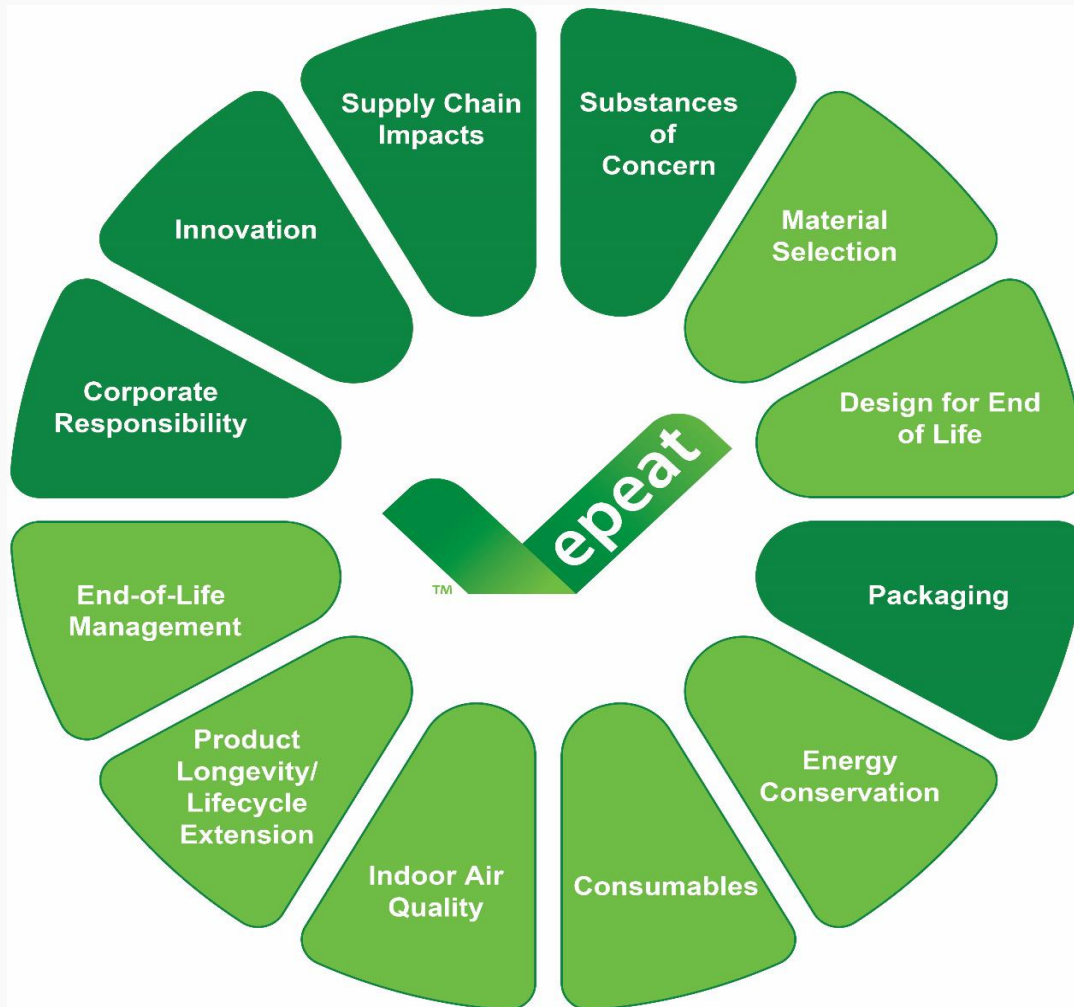
Feds are Required to Buy EPEAT® Registered Products

- Per the Federal Acquisition Regulation (FAR) Part 23

    – Requires acquisition of EPEAT® registered electronics (23.103A and 23.704)

    – Contracting clause requires acquisition of Bronze registered products, alternate clause for Silver or higher

EO13834 and Implementing Instructions and Electronics Procurement

- [Executive Order 13834 for Efficient Federal Operations](#) directs Agencies to "*Acquire, use, and dispose of products and services, including electronics, in accordance with statutory mandates for purchasing preference, Federal Acquisition Regulation requirements, and other applicable Federal procurement policies*"

- The [Implementing Instructions](#) (pg 31) direct:
  - Agencies to: "…*manage electronics to reduce energy and environmental impacts in accordance with EO 13834 goals for Energy Reduction …and Acquisition…*",
  - And CIOs to "…*Identify and implement best life cycle management business practices for electronic equipment that minimize consumption of energy and supplies…*"
- It states that *"Policies for acquisition apply to electronic equipment"* and notes that *"…Section III C.1 contains relevant requirements, strategies, tools, and resources".*

- Section III C.1, Guidance and Resources section includes *[EPA's Recommendations of Specifications, Standards, and Ecolabels for Federal Purchasing,](#)* which recommend procurement of EPEAT registered products.

Finding and Procuring EPEAT® Registered Products

What Is Considered An EPEAT® Registered Product?

- Products must be active EPEAT registered products at:

  - the time of bid submission

  - the time of award

  - the time of purchase

- Archived EPEAT registered products are not considered EPEAT registered products

EPEAT® Registered Products

- For the purposes of compliance and reporting :
  - Products count as EPEAT-registered if they had an active registration at the time of acquisition

Canon PIXMA iP7220

PRODUCT SUMMARY:

Product Type:	Printer
Country:	United States
Manufacturer:	Canon
EPEAT Rating:	Silver
Registration Date:	2013-06-05
Product Status:	Archived
Active Until:	2019-03-27
Archived:	2019-03-27
Exceptions/Manufacturer Part Number(s):	Coming soon is the functionality to obtain a report with the manufacturer part numbers and exceptions for this product.

ALARIS E1025 SCANNER

PRODUCT SUMMARY:

Product Type:	Scanner
Country:	United States
Manufacturer:	Alaris
EPEAT Rating:	Silver
Registration Date:	2019-04-10
Product Status:	Active
Exceptions/Manufacturer Part Number(s):	Coming soon is the functionality to obtain a report with the manufacturer part numbers and exceptions for this product.

Screenshot from epeat.net

What Dollar Threshold of IT Purchases Does the EPEAT® Requirement Apply to?

- **ALL PURCHASES --** There is no statutory, executive order, or FAR threshold for purchases of sustainable products.

- FAR 13.201 (f) "The procurement requirements in subparts 23.1, 23.2, 23.4, and 23.7 <u>apply to purchases at or below the micro-purchase threshold</u>".

Product Availability as of April 2019

Product	Number Registered in the US	Number of Manufacturers with Registered Products	Percent of Global Market Share Represented
Computers and Displays (launched 2019)	441	12	85%
Imaging Equipment	2,838	19	90 – 95%
Televisions	269	LG, Samsung	31%
Mobile Phones	38	Apple, Google, LG, Samsung	34%
Servers	46	HP Enterprises, Dell EMC, IBM, Cisco Systems	50%

If you don't see a product on the Registry that you want to procure, let your vendors know!

Searching the EPEAT® Registry
Go to www.epeat.net

EPEAT Registry

Your Resource for Sustainable Electronics

Select a Product Category

Servers

Computers and Displays (launched 2019)

Imaging Equipment

Mobile Phones

TVs

Computers and Displays v. 2009

EPEAT® Registry Search

Once you select a product category, you can search by product name, manufacturer, type, country, rating, and even more by using the "advanced search" option

EPEAT® Registry Search

Once you click "search", the results will display below.
You have the option to export the results into a .csv file
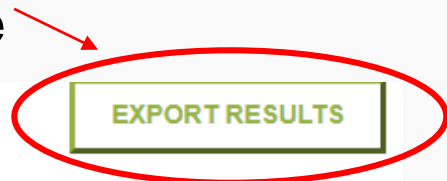
Results   EXPORT RESULTS

Previous   Page [1]   Total: 2838   [25 rows ▼]   Next

Product ⬍	Manufacturer	Product Type ⬍	Country ⬍	EPEAT Rating	Registered On ⬍	Status ⬍
Brother MFC-8950DW	Brother	Multifunction Device	United States	Bronze	2016-07-31	Active
Brother HL-L5100DN	Brother	Printer	United States	Silver	2018-03-28	Active
Brother HL-L5000D	Brother	Printer	United States	Silver	2018-03-28	Active
Brother HL-L5200DWT	Brother	Printer	United States	Silver	2018-03-28	Active
Brother HL-L6200DW	Brother	Printer	United States	Silver	2018-03-28	Active

This list is just a sample and does not include all Imaging Equipment manufacturers

EPEAT® Registry Search

For more details on a specific product, click the link in the left hand column. Here you can see exactly which optional criteria the product does or does not meet.

▼ 4.6 End-of-Life Management	1 / 2
(4.6.1.2) Provision of take-back service for broader scope of products	1
(4.6.2.2) Certification of programs exempt from end of life processing requirements	0
▶ 4.7 Corporate Performance	3 / 3
▶ 4.8 Packaging	1 / 2
▶ 4.9 Consumables	0 / 2
Total Optional Criteria Score	5 / 26

Finding & Procuring EPEAT® Registered Products

Find products on the EPEAT Registry: https://epeat.net/

Procure products via:

Product	Major IT Contracts
Computers (desktops, laptops, tablets, displays)	• NASA SEWP • NIH NITAAC BPA or CIO CS IT GWAC • Army CHESS Contract • GSA Schedule 70
Servers/Cloud Services	• GSA 2nd Generation IT BPA
Mobile Phones/Wireless Services	• Ask for EPEAT registered via task orders under the FSSI Enhanced Wireless Program
Imaging Equipment/Print Management Services	• Ask for EPEAT registered via task orders under the NASA SEWP
TVs	• Ask for EPEAT registered via task orders under the NASA SEWP

Other purchasing platforms include: GSA Advantage, DOD FedMall

Specify you want EPEAT registered products in all Task Orders!

Integrating EPEAT® Requirements Into Contracts

Using Existing Contracts

- Check –

  - Does your contract require vendors to provide EPEAT registered products?

  - Do you need to specify that you want EPEAT registered products in task or delivery orders?

  - Can EPEAT registration requirements be added to contract in upcoming technology refreshes or contract modifications?

Contract Clauses in the FAR

- FAR Part 23 requires acquisition of **ALL** EPEAT® registered electronic products (23.103A and 23.704)

- The FAR currently includes contract clauses for EPEAT registered Computers, Imaging Equipment, and Televisions

- There is currently no specific clause for Mobile Phones or Servers, but similar language can be used

- These clauses can be integrated in existing contracts via technology refreshes and added to all new contracts

FAR Contract Clause for Procuring EPEAT Registered Computer Desktops, Laptops, and Monitors

52.223-16 Acquisition of EPEAT Registered Personal Computer Products

(b) Under this contract, the Contractor shall deliver, furnish for Government use, or furnish for contractor use at a Federally controlled facility, only personal computer products that at the time of submission of proposals and at the time of award, were EPEAT Bronze registered or higher.

(c) For information about EPEAT, see www.epa.gov/epeat.

Alternate I (Jun 2014). As prescribed in 23.705(d)(2), substitute the following paragraph (b) for paragraph (b) of the basic clause:

(b) Under this contract, the Contractor shall deliver, furnish for Government use, or furnish for contractor use at a Federally controlled facility, only personal computer products that, at the time of submission of proposals and at the time of award, were EPEAT Silver registered or gold-registered.

FAR Contract Clause for Procuring EPEAT Registered Imaging Equipment

52.223–13 Acquisition of EPEAT®- Registered Imaging Equipment.

(b) Under this contract, the Contractor shall deliver, furnish for Government use, or furnish for Contractor use at a Federally controlled facility, only imaging equipment that, at the time of submission of proposals and at the time of award, was EPEAT® bronze registered or higher.

(c) For information about EPEAT®, see *www.epa.gov/epeat*.

Alternate I (Jun 2014). As prescribed in 23.705(b)(2), substitute the following paragraph (b) for paragraph (b) of the basic clause:

(b) Under this contract, the Contractor shall deliver, furnish for Government use, or furnish for contractor use at a Federally controlled facility, only imaging equipment that, at the time of submission of proposals and at the time of award, was EPEAT silver-registered or gold-registered.

FAR Contract Clause for Procuring EPEAT Registered Televisions

52.223–14 Acquisition of EPEAT®- Registered Televisions

(b) Under this contract, the Contractor shall deliver, furnish for Government use, or furnish for Contractor use at a Federally controlled facility, only televisions that, at the time of submission of proposals and at the time of award, were EPEAT® bronze registered or higher.

(c) For information about EPEAT®, see *www.epa.gov/epeat*.

Alternate I (Jun 2014). As prescribed in 23.705(c)(2), substitute the following paragraph (b) for paragraph (b) of the basic clause:

(b) Under this contract, the Contractor shall deliver, furnish for Government use, or furnish for Contractor use at a Federally controlled facility, only televisions that, at the time of submission of proposals and at the time of award, were EPEAT® silver-registered or gold-registered.

Sample Contract Language for EPEAT Registered Mobile Phones

- The FAR currently does not include a specific contract clause for Mobile Phones, however the FAR requires the procurement of **ALL** EPEAT registered electronics, including mobile phones.

Acquisition of EPEAT®- Registered Mobile Phones

Under this contract, the Contractor shall deliver, furnish for Government use, or furnish for Contractor use at a Federally controlled facility, only Mobile Phones that, at the time of submission of proposals and at the time of award, were EPEAT® bronze registered or higher. For information about EPEAT®, see w*ww.epa.gov/epeat*.

Alternate I: Under this contract, the Contractor shall deliver, furnish for Government use, or furnish for Contractor use at a Federally controlled facility, only mobile phones that, at the time of submission of proposals and at the time of award, were EPEAT® silver-registered or gold-registered.

- See the Mobile Services Category Management Team's Mobile Devices Procurement Guidance Document

Sample Contract Language for EPEAT Registered Servers

- The FAR currently does not include a specific contract clause for Servers, however the FAR requires the procurement of **ALL** EPEAT registered electronics, including servers.

Acquisition of EPEAT®- Registered Servers

Under this contract, the Contractor shall deliver, furnish for Government use, or furnish for Contractor use at a Federally controlled facility, only servers that, at the time of submission of proposals and at the time of award, were EPEAT® bronze registered or higher. For information about EPEAT®, see w*ww.epa.gov/epeat*.

Alternate I: Under this contract, the Contractor shall deliver, furnish for Government use, or furnish for Contractor use at a Federally controlled facility, only servers that, at the time of submission of proposals and at the time of award, were EPEAT® silver-registered or gold-registered.

NOTE: check www.epeat.sourcemap.com to see the current list of EPEAT registered servers, see how many are bronze/silver/gold registered prior to selecting which contract clause to use.

Tracking Our Greener IT Purchases

Quantifying Value of Procuring More Sustainable Electronics

- Use the EPEAT Benefits Calculators to document cost savings and environmental benefits from procuring EPEAT registered products

- Include in Agency Sustainability Reports and Implementation Plans (SRIPs), share with management

- Example: DOE's Information Brief

Requirements in the FAR to Track EPEAT® Procurements

FAR 42.301 (a) (68) **Monitor** the contractor's **environmental practices** for adverse impact on contract performance or contract cost, and for **compliance with environmental requirements** specified in the contract. ACO responsibilities include—

- (i) Requesting environmental technical assistance, if needed;

- (ii) Monitoring contractor compliance with specifications or other contractual requirements requiring the **delivery or use of environmentally preferable products,** energy-efficient products, products containing recovered materials, and biobased products. This must occur as part of the quality assurance procedures set forth in Part 46.

U.S. Environmental Protection Agency

Recommended Language for New Contracts

- "Suppliers are required to provide quarterly reports quantifying the number of EPEAT registered products purchased or leased under this contract. The information must be reported in a matrix providing the following data for the current quarter, the fiscal year, and the duration of the contract".

	Unregistered	Bronze	Silver	Gold
Desktops	1	0	5	12
Notebooks	0	1	3	10
Displays	0	0		30
Televisions	1	1	0	0
Printers	0	5	0	0
Copiers		2	0	0
MFDs	1	1	0	0
Mobile Phones	0	2	8	25
Servers	5	50	0	0

EXAMPLE

C.6.9.6 EPEAT Report The Contractor shall provide the EPEAT report on a quarterly basis. Each quarterly report shall quantify the number of EPEAT registered and non-EPEAT registered products purchased or leased under this contract for the specified quarter. Not all items must be reported. Items that must be reported include Desktop Computers, Monitors, Laptop Computers, Televisions, Multifunction Devices, and Printers. The information must be reported in the template form provided at Chapter D, Attachment 2, and submitted to the IDIQ COR and the IDIQ CO and cc to the DHS Environmental Program Manager at ocao-sustainabilityreports.hq.dhs.gov, no later than the 15th of the month following the quarter being reported on. If non-EPEAT registered products are sold and reported, a brief explanation of procurement background or justification shall be included in the report. An EPEAT report is not necessary if there were no purchases for that quarter.

Best Practices - DHS

- When an ordering activity specifies personal computer products that are not EPEAT registered and suitable EPEAT products are available, the Contractor shall:

  - Notify the requester of the requirement to purchase the EPEAT product; and

  - Provide a suitable alternative(s) that meet the EPEAT registered requirements.

Get Recognized!

Motivate Employees with an EPEAT® Purchaser Award!

- [Apply](#) for recognition
- [Share](#) your success stories
- [See](#) how you rank against other Agencies

Need Further Assistance?

- Holly Elwood, EPA
  - elwood.holly@epa.gov
  - 202-564-8854
- www.epa.gov/epeat (training slides, contract clauses, benefits calculators, and other resources)
- Go to the EPEAT website for:
  - The current list of EPEAT registered products
  - Access to the standards EPEAT is based upon
  - EPEAT Purchaser Award Application Information
- GSA's Green Procurement Compilation
- See the list of the agency IDC contacts at: https://community.max.gov/x/UwihSQ