Green Electronics Council and EPEAT
Overview

Who is the Green Electronics Council?

Green Electronics Council (GEC) is a mission-driven non-profit founded in 2006

Our vision is a world in which only sustainable IT products are designed, manufactured, and purchased

Our flagship program is EPEAT, the leading global ecolabel for IT products

Institutional Purchasers

IT Brands

GEC

What is EPEAT?

EPEAT has come to be the **definitive, comprehensive global ecolabel** for Information Technology products over the past decade.

Designed **to help everyone** who purchases IT Products — from private companies to governments —

to evaluate, compare and select products that **reduce environmental impact** and **improve human health**

Covers **4000+** products

from **65+** manufacturers

and is used by purchasers in **43** countries

www.epeat.net

How Products are Rated by EPEAT

- Products must meet all **required** criteria for inclusion
  - Simply being registered in EPEAT indicates high environmental performance

- Products are rated bronze, silver or gold based on the number of **optional** criteria they meet

Meets <50% Optional Criteria

Meets 50 – 75% Optional Criteria

Meets > 75% Optional Criteria

EPEAT Criteria

- Lifecycle: Rather than addressing a single impact (e.g. energy use), EPEAT addresses environmental impacts across the product lifecycle

- Standards using Voluntary Consensus Process: criteria are developed through inclusive and balanced approach

Who Uses EPEAT?

Thousands of **public jurisdictions**, dozens of **national governments**, 300+ **colleges and universities** and hundreds of **enterprise organizations** specify EPEAT

EPEAT highlighted in countless laws, directives, policies, best-practices, and guidance documents.

Widespread adoption and repeated endorsement for over a decade based on:

- ✓ Trust
- ✓ Credibility
- ✓ Ease of use in procurements
- ✓ Product availability - broad range of brands available via EPEAT

Global EPEAT-registered IT shipments surpassed **One BILLION units** in 2016

EPEAT Benefits Calculation

Procurement of EPEAT products result in demonstrated cost savings and environmental benefits.
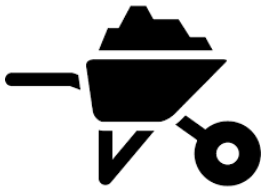
The 2015 purchase of more than 770,000 EPEAT products via NASPO ValuePoint Cooperative contract for computers yielded the following benefits:

31,081 MT
Greenhouse Gas Emissions Reduction

=

Removing
22,346 Passenger Cars
from the road per year

62,365
Metric Tons

=

The weight of
1,719 tractor-trailer
18-wheelers

485.09 MT
Hazardous Waste Avoided

$17,787,000
Lifetime Cost Savings
(estimated)

How EPEAT Works
Products found to meet EPEAT criteria are placed on EPEAT Registry

EPEAT Model of Conformity Assurance

- Manufacturer **self declaration** with **market surveillance** (trust and verify) model

- Intentionally an alternative to certification

- Developed for the unique characteristics of IT products:
  - Complex products, many components
  - Complex supply chain
  - Broad range of environmental impacts and criteria
  - Configured products

EPEAT Model of Conformity Assurance: Declare and Verify

- Manufacturers indicate which leadership criteria their products meet

  – Manufacturer declarations supervised, product listed on EPEAT Registry only after multiple successful "desk reviews"

- Conformity Assurance Bodies audit the evidence that supports manufacturer declarations; these verifications are ongoing

- Conformance or non-conformance is decided by an independent expert panel that is blind to manufacturers' identity

- Manufacturer must resolve any finding of non-conformance or remove the product from the EPEAT Registry

EPEAT Model of Conformity Assurance

Verification

- Ongoing audit of claims made in the EPEAT Registry

- EPEAT verification baseline is 10% of all products annually

- Verification investigations conducted by independent, accredited conformity assurance bodies

- Verification activities include announced lab testing

- Non-conformances are published and must be resolved by manufacturer 14 days

How Does a Product Make It onto the Registry?

EPEAT registration is designed to avoid delays in time to market AND ensure accurate declarations

Manufacturers who participate in EPEAT must:

- **Make accurate declarations**
- **Participate in independent verification**
- **Correct any inaccuracies discovered through verification**
- **Remove nonconforming products if correction is not possible**