



Erin Gately

EPEAT/Green Electronics Council

Green Chemistry and Safer Materials
in the Electronics Sector

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EPEAT Registry Services Manager

- Green Electronics Council April 2010 - present
- Hewlett-Packard May 1991-April 2010
 - WW PSG Product Stewardship Program Manager
 - DeskJet Environmental Product Steward
 - Marketing Program Manager
 - Manufacturing Development Engineer
- BSIE / MBA Sustainable Business Practices

EPEAT

A Product Rating System

- EPEAT is not a company performance assessment, but a product-specific rating
- A single manufacturer may have EPEAT Gold, Silver, Bronze and unrated products
- Purchasers' focus --- products that would help their own organization's environmental performance

EPEAT Development

- 3-year multi-stakeholder process supported by US EPA to address difficulty with “green computer” sourcing
- Extensive engagement of
 - Environmental advocacy groups
 - Manufacturers, Technical Experts, Recyclers
 - Private and public purchaser
- Consensus achieved on environmental criteria and the EPEAT system –EPEAT is developed and guided by *all stakeholders*
- Board of Advisors from all stakeholder groups
- Standard update group convening this year
- 1680.2 and 1680.3 will be turned over to IEEE for balloting later this year

The EPEAT System

- 1) IEEE Standard 1680.1 for the Environmental Assessment of Personal Computer Products (ANSI Standard comprised of 51 environmental performance criteria)
- 2) System for identifying and verifying conforming products – EPEAT registry and verification
- 3) Environmental Benefits Calculator to assess (or project) benefits from purchasing EPEAT

EPEAT Performance Criteria

- 23 Required & 28 Optional Criteria
- 8 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

EPEAT Environmentally Sensitive Materials - Evolution

- Criteria are evolving
- 1680.1
 - 11 criteria
- Proposed 1680.2 and 1680.3
 - 1680.2 – 11 criteria, 1680.3 - 12 criteria each
 - 2 same as 1680.1
 - 4 that go beyond 1680.1
 - 6 new criteria

High-Level Lessons

- Green Purchasing Programs are powerful
- Purchasers drive the market - without legislation / laws
- Advances in Green Chemistry are an important driver toward creating greener products