

Measuring Environmental Benefits at Facility Level

EPA Region 4's Experience with
the Benefits Calculator.

EPS's Region 4 FEC Activities

- Region signed on as a FEC Partner on January 19, 2005.
- Multi-organizational team was set up to seek the Gold Level Award.
- Region submitted Application in January 2006
- Awarded the Gold Level and 2006 White House Closing the Circle Award

Region 4 Key Actions

- Enabling EnergyStar Features through LAN Severs
- Utilizing READ Contrator
- Developing Certification Forms, disposition information and notification for School Donations
- Establishing a Electronic Stewardship and Responsibility Policy

New 2006 Stewardship Actions

- Revision of Policy to reflect EPEAT
- Purchase of EPEAT Computers
- Training for Credit Card Holders
- Incorporation into EMS
- New Support team for EMS exploring new alternatives
- Advocated that new P2 Grant Solicitation will require EPEAT certified purchases

Benefits from 2006 Actions

- EPEAT purchases 962 units were EPEAT Silver certified at time of Purchase.
- Only 10 laptops were not – special request
- Donated to Schools – 80 computers and 11 Laptops
- Sent for Recycling 288 monitors
- Nothing sent to Disposal from the Agency

Calculator Benefit Results

- Purchasing Savings
 - Energy - 385,000 Kwh
 - Primary material - 688,000kg
 - Air Emission - 1,509,000kg
 - Water emission - 3320 kg
 - Toxic material - 34.6 kg

Calculator Benefit Results cont.

- Use and End of Life (EOL) Figures

– Measure	Use	EOL
– Energy(Kwh)	1, 780,000	688,000
– Primary Mat. (kg)	3,190,000	9,490
– Air Emission (kg)	7,370,000	2,840,000
– Water Emis. (kg)	15,400	5,940
– Toxic Mat. (kg)	0	15.4

Summary Comments

- Significant Environmental Benefits are generated by the Calculator
- We would like to see Facility as well as Global Benefits from Calculator
- Dollar savings are not useful since they will not be accruing to the Facility.