E-waste Legislation and Policy: The State and Regional Perspective

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E-waste in Minnesota

- CRT disposal ban implemented July 1, 2006.
- In 2005, 56 counties reported collecting 13.9 million pounds of e-waste.
- Estimate of 9.7 million pounds of video display devices.
- Collection opportunities range from one day collection events to curbside.
- New state contract available for public entities.
Recycling Infrastructure

- 5 major recyclers.
- Lacking end markets for plastic and glass.
- Glass shipped to WI and OH.
- Commodity prices are high making economics more favorable.
Legislative Activity

- Identified as priority product for stewardship in 1999.
- Waste Management Task Force created during 2005 session.
- Developed legislation:
  - OEMs report sales of VDDs from previous year.
  - Sets obligation for current year.
  - May apply CEDs to obligation.
  - If short, then remit .50 per pound.
  - Additional credit for material from Greater MN.
NEPSI

- National approach.
- Scope of products: TVs, monitors, CPUs, laptops, small peripherals, printers.
- ARF to transition to partial-cost internalization.
- Base-level of service.
- Alternative system was to be devised.
- Support for TPO and ESM.
Fee collection began January 1, 2005.
ARF at point of sale on TVs, laptops and monitors.
$6-10 dependent upon size of screen.
CIWMB payment for collection and recycling.
Adopts RoHS restrictions.
300 + collectors and 40 approved recyclers.
$34 million collected, $16 million for 34 million pounds (2005).
Maine

- Covered electronic devices (CEDs) include monitors, laptops and televisions from households.
- Program began January 2006.
- Municipalities must provide for delivery of CEDs to consolidation points.
- Consolidators invoice OEMs for handling, transportation and recycling of CEDs.
- Responsibility apportioned by return share to 78 brand owners. 29 have orphan share responsibilities.
- DEP selected five consolidators.
Maryland

- HB 575 Signed by Governor in April 2005.
- Five-year pilot program.
- Addresses monitors, desktop and laptop computers.
- OEMs with sales of 1,000 or more units must register and pay $5,000.
- If own program, fee is $500.
- MDOE expects between $500,000 and $750,000.
- Funds disbursed by state MDOE for local government programs.
Alberta

- Implemented through regulations.
- Visible fee at point of first sale.
- Fees range from $5-$45 depending upon product.
- Fee covers collection, transportation and recycling.
- OEMs/distributors/retailers remit to TPO.
- Approximately 1,200 fee payers.
- October 1, 2004 implementation date.
- Managed by Alberta Recycling Management Authority.
Ten state effort to develop model legislation.

TVs, monitors, PCs, printers, small peripherals.

OEM responsibility based on previous years sales.

Operate own program or pay per pound fee.

Model legislation released in April.

Introduced in NY, DE and PA.

Expect consideration in 2007.
Electronics Recycling Program Attributes

- Ensure compliance and level playing field.
- Function in economically-efficient manner.
- Utilize existing infrastructure.
- Address products by current brandowners and orphan products.
- Minimize government responsibilities.
- Provide incentives for multiple participants.
- Ensure convenience for residents (broad scope of products).
Great Lakes E-waste Policy Development Initiative

- MN, WI, ILL, MI, and IA.
- State agency participation.
- Support consistent, harmonized approach to e-waste legislation.
- Shared infrastructure and administration.
- Stakeholder meeting and comments during fall.
- Policy statement released April 2006.
Great Lakes E-Waste Initiative

Electronics Recycling
- Collection
- Processing
- Collection and Processing
Legend
Population
Estimated Collection (lbs)
Expected Returns and Costs

- 2004 Hennepin County per capita collection rate: 2.75.
- Population is 48 million (17 percent of US).
- Total volume of 131 million pounds (residential only).
- Per pound estimate of .48 per pound for collection, transportation and processing.
- Cost estimate: $ 66 million.
Issues for Consideration

- Promote product stewardship.
  - Define and allocate responsibility.
- Local economic development and system efficiency.
- Differing business models and need for a level playing field.
- Regional considerations.
  - Fee collection
  - Administration
  - Delegation of authority
- Need for Congressional action.
For more information

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