

Implementation of Minnesota's E-waste Law

MN Air Water Waste
02/28/08

Minnesota Pollution Control Agency



History

- OEA held meetings in 2004 to determine best path forward
 - ARF
 - Returns shares
 - Sales shares
- CRT's were banned from landfills in July 2006
- Many households dumping e-waste

Minnesota Electronics Recycling Act

- Manufacturer Responsibility –based on sales weight
 - Not based on return share or consumer fees on products as in other states
- Began July 1, 2007
- Requires registration and reporting by all parties involved
 - Manufacturers, Collectors, Recyclers and Retailers

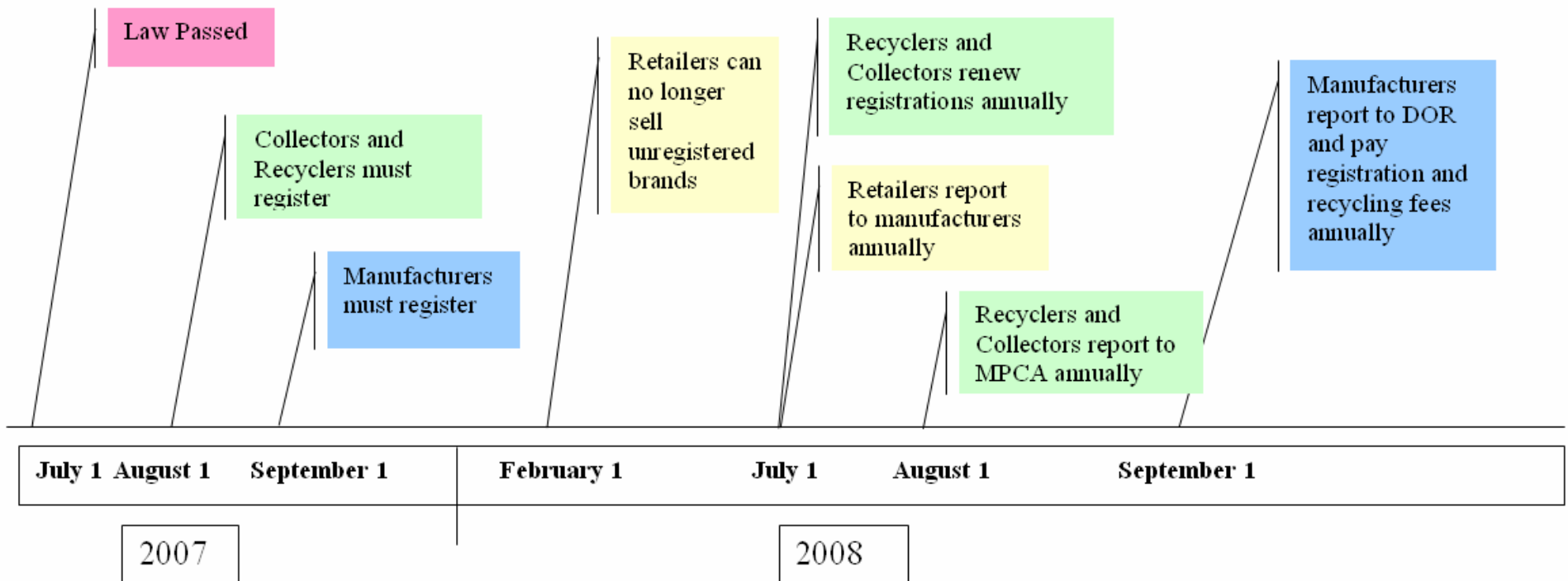


Data

- MPCA estimates 48.3 million lbs. of VDDs sold (2006)
- Projects 23.2 million lbs. of VDDs eligible for collection (2008).
- 4.8 million lbs. additional credit for Greater Minnesota.
- Projects 3.9 million lbs. of CEDs available (2008).
- SCORE reports 20.7 million lbs. (2006).

Timeline

Program year is July 1, 2007 to June 30, 2008

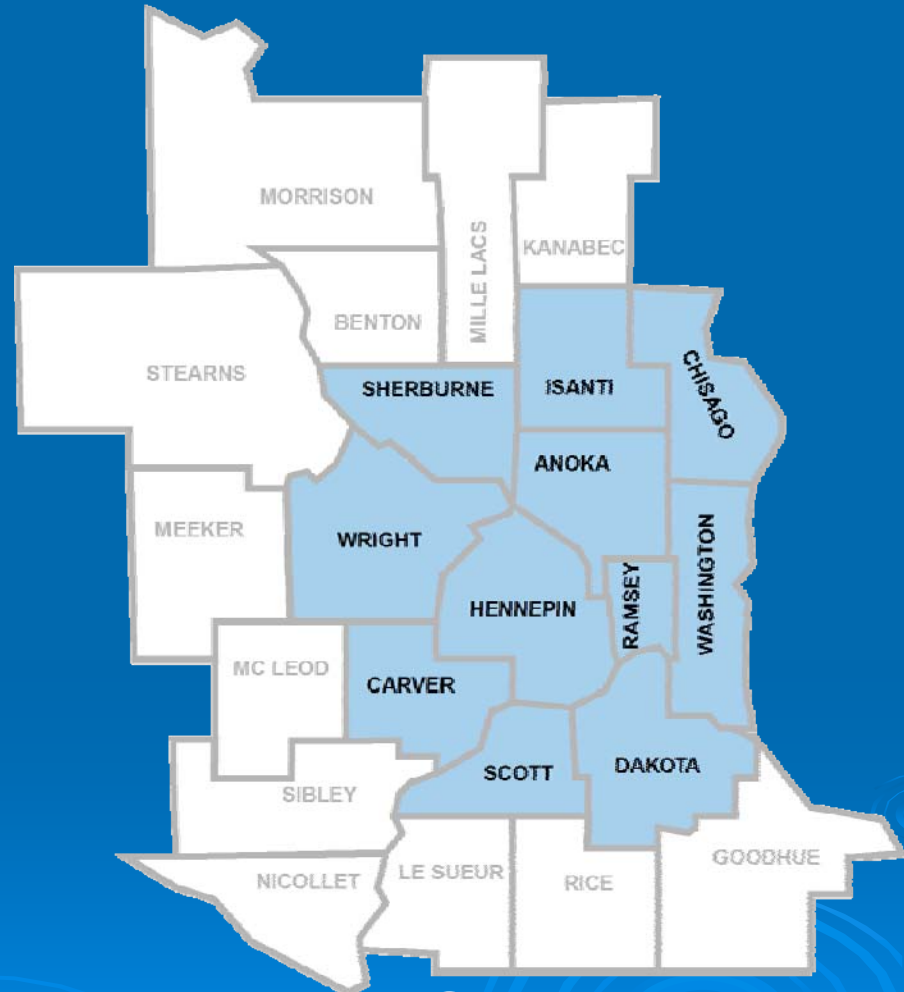


Definitions

- Metropolitan Counties for the purposes of the law are defined as:

Anoka, Carver, Chisago, Dakota, Hennepin, Isanti, Ramsey, Scott, Sherburne, Washington, and Wright

Half pound extra credit for all non-metro counties!



Metro Counties Map



Retailer Responsibilities

- No fees or registration
- Sell only brands from registered manufacturers to households in MN.
- Report to manufacturers their annual sales of VDDs by July 1, 2008.
- Provide information to consumers on recycling opportunities.



Collector Responsibilities

- “Collectors” are public or private entities that receive covered electronic devices from Minnesota households.
- Collectors must register with the MPCA by July 1 of each year.
- Report to MPCA by Aug. 1 of each year
 - The weight of covered electronic devices (CEDs) collected for recycling from Minnesota households July 1 to June 30.
 - CEDs include computers, peripherals, fax machines, DVD players, VCR's and video display devices



Recycler Responsibilities

- Recyclers accept CEDs from collectors in Minnesota. Recyclers dismantle for further processing or process the devices into raw materials for use in new products.
- Recyclers must register with MPCA by July 1 of each year.
- Report to MPCA by August 1 annually:
 - The weight of CEDs collected for recycling from Minnesota households from July 1 to June 30.



ESM Requirements

- Comply with applicable regulations-federal, state and local.
- Licensed by applicable entities (Metropolitan Area).
- No prison labor.
- \$1 million liability insurance.
- Recyclers must certify compliance.
- Manufacturers must do due diligence.



Manufacturer Responsibilities

- Definition: A "manufacturer" makes products for sale under its brand, or has others make products under its brand.
- Manufacturers of video display devices (VDDs) that sell to households in MN register with the state by September 1, 2007, and pay a fee.
- Labeling
- RoHS compliance



Manufacturer Responsibilities

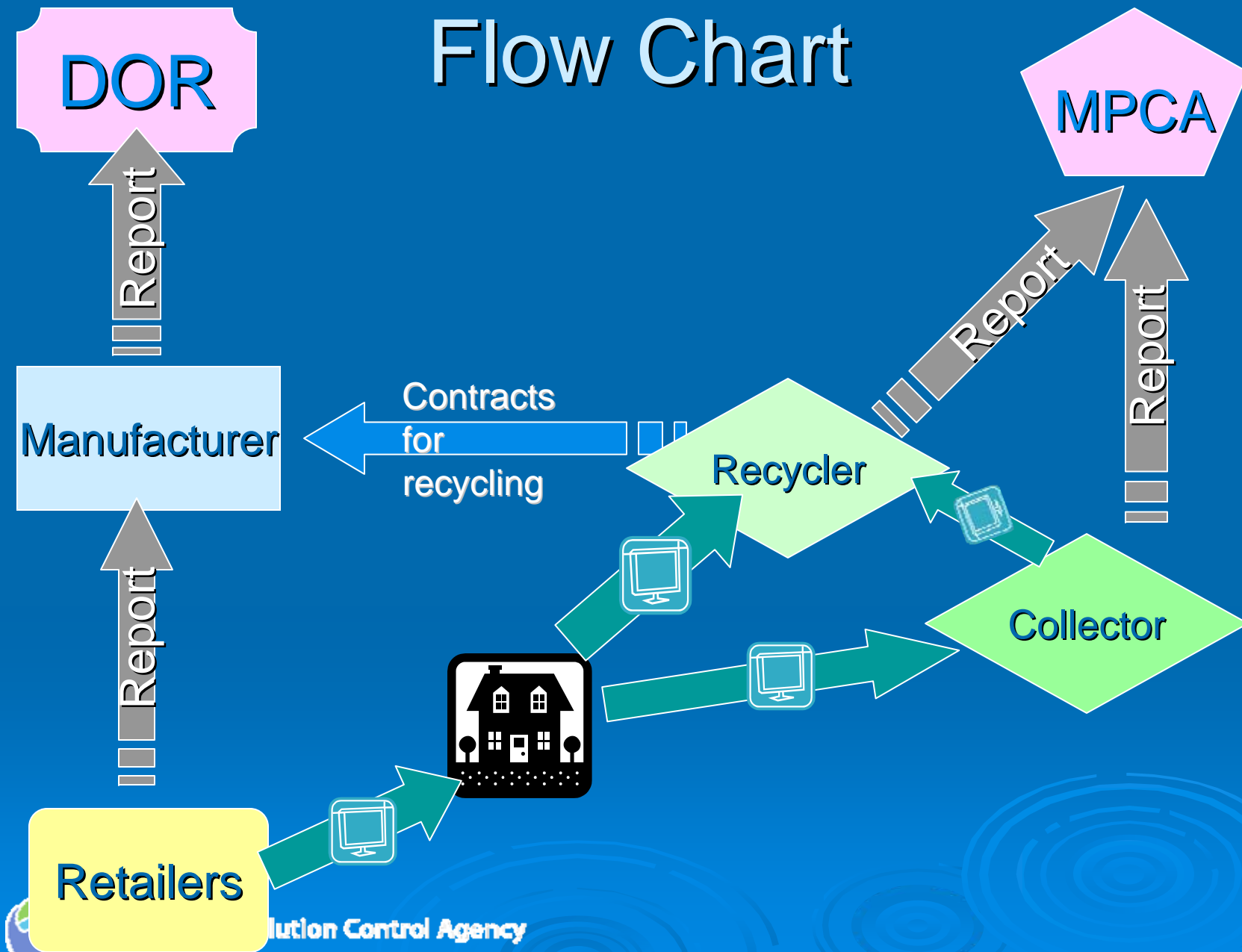
- Remit annual fee: base + variable fees, if any
- Base Fee:
 - \$5,000 yr.1 and \$2,500 yr. 2 and future years for makers of >100 units
 - \$1,250 every year for makers of <100 units
- Variable fee based on progress towards reaching obligation
 - 60% by weight yr. 1
 - 80% by weight yr. 2 and thereafter
- Fees (\$.30, .40 or .50 per lb)
- Credits (can be sold or used within 3 years)

Manufacturer Responsibilities

- Law involves Households, not business or institutional sales.
- Law does not specify collection methods.
- Some manufacturers have made contracts directly with recyclers
- MRM – group formed of many manufacturers for cooperative recycling
- Special events and regular collections occurring



Flow Chart



Registration Status



- 44 recyclers
 - 26 sites in MN
- 149 total collectors
 - 188 sites
 - 24 special events
 - 6 pick-ups
 - 5 mail back programs
- 71 manufacturers
 - Over 120 brands



Local Government Case Studies

➤ St. Louis County

- 200,837 pounds of CEDs collected from July 1 to Nov. 6.
- 2X projected volume.
- County is charging \$1 or \$2 for CRT containing products.
- Fees reduced July 1.
- The county has received \$2,468 in revenue and estimates a total savings of \$42,000 in 6 mo.



Case Studies

- Several counties have dropped or reduced fees to residents.
- Many new collection opportunities have started as a result of the law passing



Counties with Free/Reduced Fee Collections

- Clearwater, Dakota, Hennepin, Pipestone
Washington -FREE
- Rice, St. Louis, Steele –lowered fees



Updates

- November Reporting workshop
- January 2008 meeting with cities and counties about BMPs
- April 2008 – planning an EPA Best Mgmt. Practices training for recyclers



Goals for Reporting

- Meet the requirements of the law.
- Use data to determine effectiveness of the law:
 - Agency required to report to Legislature December 10, 2010
 - Agency required to estimate sales in MN
- Track and evaluate collection opportunities.
 - Agency grants/contracting



Next Steps

- Reporting
- Implementation of US EPA BMP Certification program
 - Workshop in April 2008
- Public education/outreach campaign
- Review progress this fall



State Contract Update

- Expired Nov. 30th but has a 6 month extension in place
- MPCA will be discussing options for the consumer electronics portion of the contract



Any Questions?

Web site: www.pca.state.mn.us/electronics

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