



**2008 SWANA
NW Regional Symposium**

**Oregon's E-Waste Legislation:
Impacts of a Product Stewardship
System**

**Kathy Kiwala, E-Waste Project Lead
Oregon Dept. of Environmental Quality**



The problem:

- Shortened lifespan
- Wider variety of products
- Growing waste stream
- A variety of toxic constituents
- Wasted resources



The solution: 2007 Legislation

- Encourages environmentally friendly design of electronic devices;
- Creates a statewide system for the collection, transportation, and recycling of CEDs; and
- Finances the system by the manufacturers of the CEDs.



Oregon Legislation

Logic Behind the System:

- Good fit for the State
- Producer Responsibility Model
- Environmentally sound management practices



Elements For a Successful System—Oregon-style

- Manufacturer Responsibility
- Portioning of Responsibility to Manufacturers
- Options for Manufacturer or State Contractor Recycling Programs
- Retailer Involvement
- Consumer Education
- Use of Existing Infrastructure
- Performance Accountability



What are the Covered Electronic Devices?

- Computers: desktop or portable
- Computer Monitors*
- Televisions*

*CRT & Flat Panel

*Viewable area >4"



Who are the Covered Entities to use the system?

- Households
- Small Businesses
- Small Non-Profits
- Anyone with 7 or less Devices

*No charge to the user



Collection sites and services

Collection Site—at least on site for any city with population of at least 10,000

Collection Service—every county (can be same site for a city in the county)

Convenient, staffed, frequent hours, can serve multiple programs.



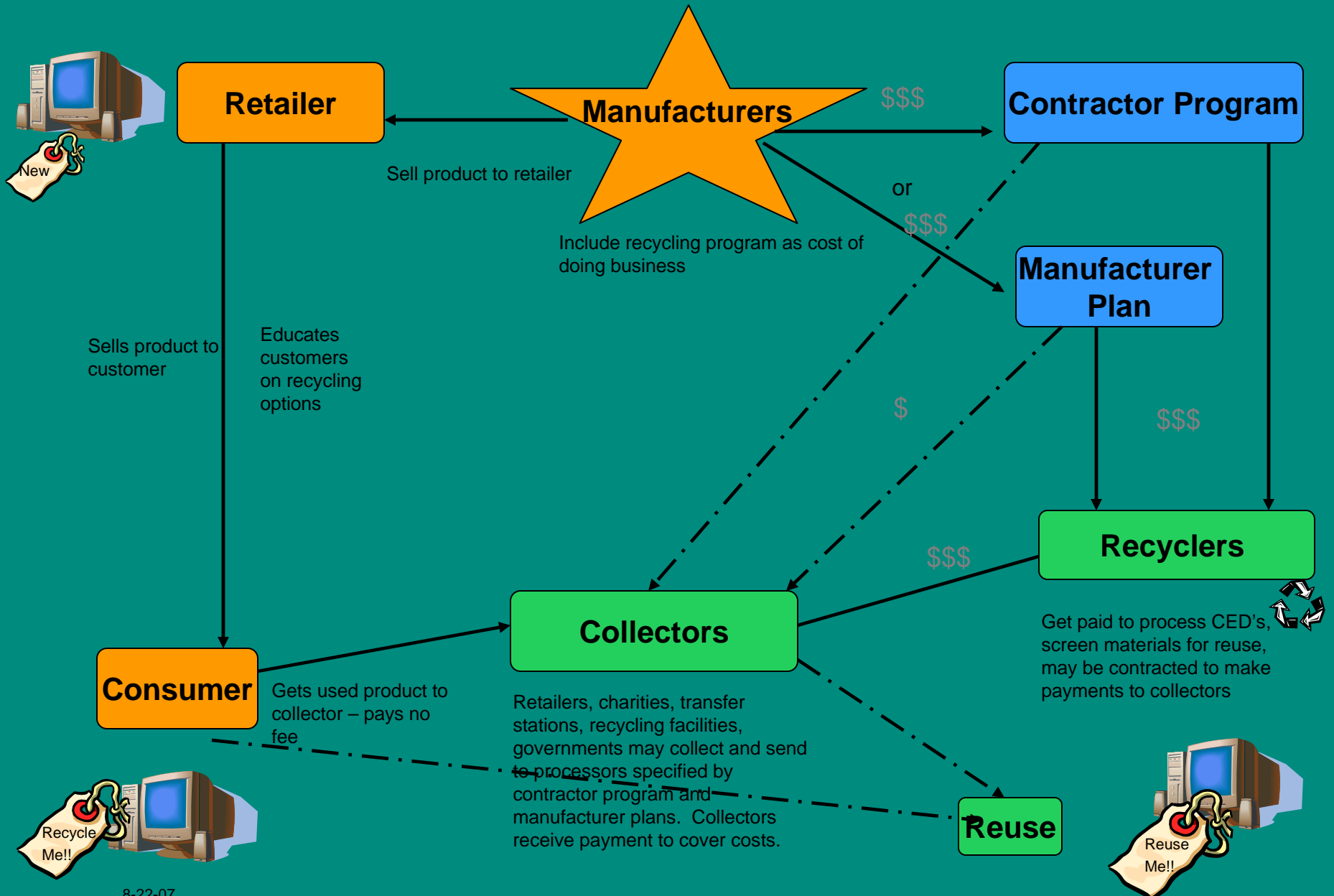
Recyclers

Environmentally sound Management Practices*

- Environmental, health, and safety management systems
- Recordkeeping
- Onsite operating practices
- Downstream due diligence
- Accumulation prohibited, as per OAR 340.93-97
- Closure plan and financial assurance
- Facility security

*Draft

Oregon Shared Responsibility System
for Electronic Products (HB2626)





Funding

- **State Contractor Program:** Participating manufacturers pay DEQ. Contractor runs program with contracts for collection, recycling, transportation. DEQ reimburses contractor. Contractor pays collector, transporter, recycler.
- **Manufacturer Program:** Manufacturer runs program with contracts for collection, recycling, transportation. Manufacturer pays collector, transporter, recycler.



Disposal

- Disposal Ban January 1, 2010
- Disposal site operators establish & implement program to prevent acceptance of CEDs
- Disposal site operator can accept & store CEDs for recycling, reuse, refurbishing.



IMPLEMENTATION TIMELINE

- July 2008:** **Manufacturer Decide Own Plan or Contractor**
- July 2008** **Contract Awarded for Contractor Program**
- January 2009:** **Program Operational; Only registered brands can be sold**
- January 2010** **Disposal Ban in place**



Contact Information

- **Kathy Kiwala, Oregon DEQ Solid Waste Program**

kiwala.kathy@deq.state.or.us

503.229.6103

- **Electronics Recycling Program**

www.oregon.gov/DEQ/