

Report to the
Natural Resources, Agriculture, and Environment Interim Committee

Recycling of Electronic Waste

Prepared by
The Utah Department of Environmental Quality



September 19, 2012

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Disposal of Electronic Waste Act

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Electronic Waste (E-waste) generally refers to electronic devices such as computers, TVs, and associated peripherals that are discarded by consumers. EPA estimates that E-wastes make up less than 5% of the national solid waste stream, but is growing at a rate 2-3 times faster than any other solid waste stream.

Disposal of Electronic Waste Act (19-6-1201) The Utah Legislature passed the Disposal of Electronic Waste Act (Act) in the 2011 General Session (Senate Bill 184). The Act requires a manufacturer of a consumer electronic device (computer, computer peripheral, television, or television peripheral) for sale in Utah to:

- Beginning July 1, 2011, submit an annual report identifying recycling options to the Department of Environmental Quality (DEQ) by August 1, and
- Beginning January 1, 2012, establish and implement a public education program informing consumers how they can recycle that manufacturer's consumer electronic devices.

The Act also requires the DEQ to compile and submit the referenced report to the NRAE Interim Committee.

Manufacturers' Reports For reporting year 2011, 55 manufacturers, either directly or through their manufacturer's association, provided reports to the DEQ. For reporting year 2012, 54 manufacturers submitted reports. Table 1 identifies the manufacturers who submitted reports for 2012. A map of possible recycling locations is presented in Figure 1.

Recycling Options:

- 1) **Mail-in Programs.** Particular brands of E-waste may be sent back to the manufacturer or manufacturer's agent, usually at no cost to the consumer. This is the predominate mechanism that manufacturers are using to recycle their devices.
- 2) **One-time Collection Events.** These events are typically one-day collection events sponsored by local government agencies or private manufacturers and recyclers.
- 3) **Walk-in programs.** Some retailers, such as Best Buy and Staples, accept certain E-wastes from the public for free or a fee, depending on the item. Private recyclers also accept E-waste from the public at their facilities, such as Metech Recycling in Salt Lake City, Stone Castle Recycling in Clearfield, TAMs in Lindon, and Virgin Valley Recycling in Hurricane. Typically, most E-waste is accepted for free, but certain items such as TVs and Cathode Ray Tubes will only be accepted for a fee.
- 4) **Permanent Drop-off Sites.** E-waste may be brought to permanent collection sites at various locations throughout Utah. Most of these sites are located along the Wasatch Front and southwest Utah. These sites are typically managed by local health departments or special service districts (e.g. Wasatch Integrated, Sandy City Public Works, Washington County Landfill), and require employees to man and supervise these sites.
- 5) **Deseret Industries and Goodwill Industries** also accept E-waste from consumers.

Educational Programs Most of the manufacturers refer customers to their web sites for a description of how consumers can recycle their electronic devices. Some manufacturers also describe ways a consumer may donate the electronic devices for reuse, and list suggested locations for donations. If a manufacturer has partnered with a company such as Staples or Deseret Industries, a description of what is accepted at these locations is also included.

2012 Annual Manufacturers' Reports

Manufacturer	Recycling Options		Cost To Consumer
	Mail In	Drop off	
Kobo Inc.	Yes	No	Free
Starlite Consumer Electronics, Inc. - AERCCR	Yes	No	Free
Research in Motion Limited	Yes	No	Free
Canon USA, Inc.	Yes	No	Mailing costs
Wacom Technology Corporation	Yes	No	Free
Coby Electronics Corporation	Yes	No	Free
Elo Touch Solutions, Inc.	Yes	No	Free
Lenovo (USA), Inc.	Yes	No	Free
Medion AG	Yes	No	Free
Xerox	No	Yes	Free
Westinghouse Digital, LLC	Yes	No	Free
Planar Systems	Yes	No	Free
ASUS Computer International	Yes	Yes	Free
3M Company	Yes	No	Free
Motorola Mobility, Inc.	Yes	No	Free
Lexmark International, Inc.	Yes	Yes	Free
ViewSonic Corporation	Yes	No	Free
E-World Online - The following facilities notified with the E-World notification			
Acer America Corporation	No	Yes	Fee for Some Items
Craig Electronics, Inc.	No	Yes	Fee for Some Items
NEC Display Solutions of America	No	Yes	Fee for Some Items
Pantech	No	Yes	Fee for Some Items
Sony Electronics	No	Yes	Fee for Some Items
CEA - The following facilities notified with the CEA notification			
Barnes & Noble	No	Yes	Free
Brother International Corp.	Yes	No	Free
Dell	Yes	Yes	Free
Eastman Kodak Company	Yes	No	Free
Epson	Yes	No	Free
Funai - Funai Corporation Inc., P&F USA, Inc.	No	Yes	Free
Hewlett-Packard Company	Yes	Yes	Free
Hitachi America Ltd.	No	Yes	Free
Imation	No	Yes	Free
Innovative DTV Solutions	No	Yes	Free
Iomega Corp.	Yes	No	Free
JVC Corporation	No	Yes	Free
KYOCERA Document Solutions America, Inc.	Yes	Yes	Shipping Costs
Logitech	No	Yes	Free
Mitsubishi Electric Visual Solutions America	No	Yes	Free
MSI	No	Yes	Free
Nintendo of America	Yes	No	Free
Oki Data Americas Inc	No	Yes	Free
ON Corp US, Inc.	No	Yes	Free

2012 Annual Manufacturers' Reports

Manufacturer	Recycling Options		Cost To Consumer
	Mail In	Drop off	
Orion Electronics	No	Yes	Free
Philips Consumer Lifestyle	No	Yes	Free
Panasonic Corp of North America	No	Yes	Free
Polaroid - PLR IP Holdings, LLC	No	Yes	Free
Samsung Electronics Corporation	No	Yes	Free
Sanyo Manufacturing Corporation	No	Yes	Free
Sharp Electronics Corporation	Yes	No	Free
Sonitronix Corporation	No	Yes	Free
Sony	Yes	No	Free
Toshiba America Information Systems	Yes	No	Free
VIZIO	No	Yes	Free
VOXX International Corporation	No	Yes	Free
Yamaha	No	Yes	Free

Electronic Waste Recycling Locations

Detail View Wasatch Front



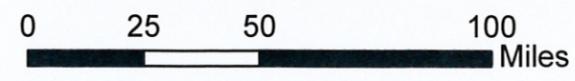
Division of Solid & Hazardous Waste



Legend

General Electronic Recycling Types

- Best Buy
- ◆ Public Landfills
- ▲ Deseret Industries
- Staples
- ▲ Goodwill Industries
- Private Recycler
- Municipal/County Public Drop-off



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