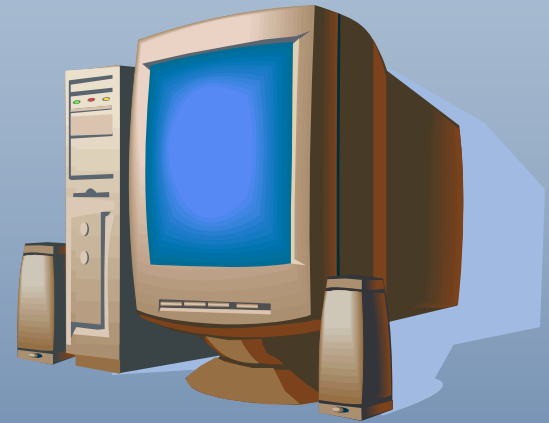# Oregon

Electronic Waste (E-Waste) Overview

Information about E-Waste Recycling, Destruction and Re-Use

Oregon's Electronic Waste

Most e-waste from government sources is computers and computer related items. To properly manage information security, proper recycling and maximum reuse, the state created the Sustainable Acquisition and Disposal of Electronic Equipment policy.

Statewide Acquisition and Disposal Policy

E-Waste Management Tools

- DAS maintains a statewide price agreement with Garten Services Inc, a qualified rehabilitation facility, to give state agencies and local governments approved vendor options for e-waste services.

- Programs called Buy-Back or Take-Back are mandatory requirements in state information technology (IT) contracts. Vendors must maintain options for buyers to return outdated equipment to the vendor when it is ready for replacement.

House Bill 2626

- In 2007, the Oregon Legislative Assembly created a program in which IT manufacturers must offer free recycling options for home and small business e-waste.

- The Oregon Department of Environmental Quality oversees this program. More information is available at the DEQ Web site.

NextStep RECYCLING
Transforming e-waste for the next generation.

Links for more E-Waste Information

- [Qualified Rehabilitation Facility Law](#)
  Why agencies or programs must use Garten ORS 279.835 to 279.855

- [E-waste procedures](#)

- [Garten Price Agreement (OregonBuys)](#)

- [Map to Garten Facility](#)

Garten Receipts

- Garten issues its own receipt (picture right) with the agency#, date, and total weight for all items received at the Garten warehouse.

- Garten also issues a preliminary receipt (not pictured) for all property picked up at an agency site

When Garten Receives E-waste

- The items are weighed and the weight is recorded on the paperwork.

- The weight is used for tracking and record keeping.

- E-waste is moved from the scales to the e-waste processing area.

E-Waste Storage

Garten sets apart reusable e-waste for refurbishing, then moves hard drives and other data storage devices to a secure location pending sanitization.

Property in storage

CPUs ready for refurbishing

Sanitization

- All data storage devices are wiped or sanitized according to Department of Defense security standards.
- Garten verifies each device is properly cleared using industry leading software

E-Waste Reutilization

- Once hard drives are wiped, and all sensitive information removed, items are tested and assembled for resale.

- If the license for a computer allows, the operating system is reloaded.

E-Waste Recycling

- All items with no reuse or resale value are properly recycled.

- Employees at Garten separate components into different commodity categories.

- Garten sells the recyclable commodities to companies for remanufacture into new items

E-Waste Property Destruction

- All data storage devices that fail the sanitization process or are not marketable are destroyed and recycled.

- A 20 ton press crushes the drives and they are sent to a recycler who further grinds the drives into small pieces.

Data Sanitization

- Data destroyed to Department of Defense Security Service (DSS) Standards

- Secure transport and storage by Garten

- Garten offers a Certificate of Destruction option ($5.00 per device; $25.00 per lot) as proof of sanitization.

- Eliminates duplication of effort (i.e. Agencies cleaning hard drives and Garten doing the same)

Sustainability

- Goal is to exceed 25% reuse of incoming items versus recycle
- Cost effective e-waste disposal process for the state
- Garten's commitment to environmentally sound recycling practices and downstream responsibility
- Meaningful employment for people with disabilities
- Low cost refurbished electronics for the public and small businesses

Questions?

- For additional information or questions about e-waste, call or email Darren Kennedy at DAS Surplus Property at 503-378-6022 or darren.kennedy@das.oregon.gov or you can contact Garten Services, 503-581-4472.
- To arrange a pick-up or transfer of items please call (503) 581-4472 ext. 3198 or email a request to recyclepickup@garten.org