



**E-Waste Management
&
Recycling Company**

www.EplanetEwaste.com

What is E-Waste?

- E-waste is a popular, informal name for electronic products nearing the end of their "useful life." Computers, televisions, VCRs, stereos, copiers, and fax machines are common electronic products.
- Many products that fall under E-waste can be reused, refurbished, or recycled.
- Certain components of some electronic products contain materials that render them hazardous, depending on their condition and density.

Government Regulations

- The **Electronic Waste Recycling Act of 2003** defines certain portions of the electronic waste stream and regulates the systems to recover and recycle E-waste.
- Regulations require the generator of a waste to determine if it is a hazardous waste. Wastes are hazardous waste when they exhibit one or more of the following characteristics: toxicity, ignitability, corrosivity or reactivity. Devices include: LCD desktop CRT devices including monitors, televisions & computer monitors, LCD televisions, plasma televisions and portable DVD players with LCD screens.
- Many electronic wastes not covered by the Electronic Waste Recycling Act are still considered hazardous wastes and may not be discarded in the regular trash. Researchers estimate that nearly 75 percent of old electronics are in storage, in part because of the uncertainty of how to manage the materials.

Why is E-Waste Harmful?

- E-Waste is becoming Americas fastest growing problem. E-waste accounts for 4 of the US municipal solid waste stream & growing at a tremendously accelerated rates—2-3 times faster than other waste stream.
- E-waste contains hazardous materials that must be properly managed at end-of life:
 - Lead is used in glass in TV and PC cathode ray tubes as well as solder and interconnects; older CRTs typically contain on average 4 lbs of lead (sometimes as much as 7 lbs in older CRTs), while newer CRTs contain closer to 2 lbs of lead.
 - Mercury is used in small amount in bulbs to light flat panel computer monitors and notebooks.
 - Brominated flame retardants are widely used in plastic cases and cables for fire retardancy; the more problematic ones have been phased out of newer products but remain in older products.
 - Cadmium was widely used in ni-cad rechargeable batteries for laptops and other portables. Newer batteries (nickel-metal hydride and lithium ion) do not contain cadmium.

E-Waste in Georgia

- To effectively study E-Waste in the state, the Georgia Legislature founded the Georgia Computer Equipment Disposal and Recycling Council, charged with recommending a major consumer electronic products recycling plan for the entire state.
- Georgia Tech has funded a study, in cooperation with the Pollution Prevention Assistance Division of the Georgia Department of Natural Resources to investigate a “reverse production” system that would deconstruct televisions, computers and other electronic devices to extract dangerous glass, metals and plastics before the electronics find their way into landfills.
- In Atlanta alone, an average of 3 million pounds of televisions are discarded every year. With the average TV weighing slightly more than 51.5 pounds, and the average cathode ray tube (CRT) containing between one and four pounds of lead, the potential for water pollution, to say nothing of damage to the earth, is staggering.

Staggering Issue

- Georgia, and most states around the country, is in dire need of a plan for recycling E-waste is no secret. There is an average of 3 million pounds of televisions discarded in Atlanta every year, Realff said. With the average TV weighing slightly more than 51.5 pounds, and the average cathode ray tube (CRT) containing between one and four pounds of lead, the potential for water pollution, to say nothing of damage to the earth, is staggering.



Facts

- According to the Consumer Electronics Association, Americans own approximately 24 electronic products per household.
- Only 10% of American households recycle their electronics.
- Consumer electronics currently make up about 2% of the municipal solid waste stream, and the quantity is steadily increasing. The National Safety Council estimates between 315-618 million computers become obsolete each day.
- According to an EPA study, approximately 235 million units of electronic products had accumulated in storage as of 2007.
- 2005: 1.9 – 2.2 million tons obsolete (unused & unwanted):
 - 1.5 – 1.8 million tons disposed in landfills
 - 345,000 – 379,000 recycled
- 2007: 2.25 million tons obsolete (unused & unwanted):
 - 1.84 million tons disposed in landfills
 - 414,000 recycled



Why EplanetEwaste?

- EplanetEwaste is a privately owned company funded by angel investors wanting to promote global (planetary) electronic recycling.
- Our company is one of only 10 E-waste companies that are EPA certified.
- Staffed by highly trained and professional specialists, we have over 10 years of experience in the fields of technology, logistics and recycling.
- EplanetEwaste offers a single-source solution approach to our customers starting with removal from your facility to custom reporting enabling you to track the disposition of your used equipment.
- EplanetEwaste helps maximize return on unwanted assets and aids corporate contribute to the protection of the environment using industry-leading recycling practices which demonstrate social responsibility and environmental safety.



Licenses/Certifications/Affiliations:

- California Integrated Waste Management Board (CIWMB)
- Department of Toxic Substance Control (DTSC)
- Environmental Protection Agency (EPA) – California, Florida, Georgia and New York
- International Association of Electronic Recyclers (IAER)
- National Coalition of Recycling Inc. (NCR)



E-Waste Management Services

EplanetEwaste can assist clients focused on maximizing the value of their electronic assets by using our comprehensive EWM program:

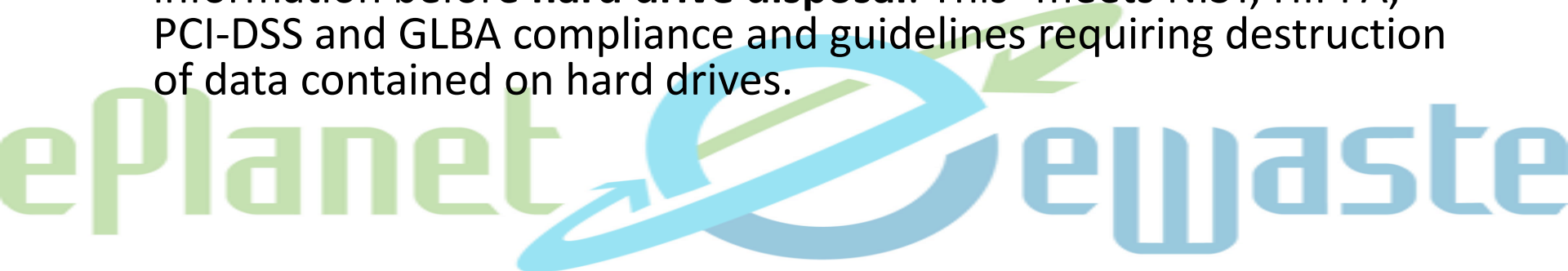
- **Logistics:** EPEW will arrange proper logistics and disposition solutions to manage the recycling or resale of your old computer equipment.
- **Customized E-waste Management Services:** Our services are flexible and can be tailored to fit your needs.
- **Data Security:** Removes tags and labels from equipment and overwrites hard disks.
- **Decrease Costs:** Eliminate cost of storing excess, outdated, or used computer equipment.
- **Increase Savings:** Value Recovery may provide cash back for your computer equipment.
- **Proper Disposal:** Properly dispose of Electronic Waste in accordance with EPA guidelines.
- **Certificates of Recycling:** Indemnification against compliance risks Eplanet-Ewaste will provide certificates of recycling



Data Destruction Services

EplanetEwaste offers guaranteed hard drive sanitizing and data destruction:

- State of the art equipment can thoroughly sanitize hard drives and a forensic audit report is provided for those hard drives. Conforms to U.S. Department of Defense Standard DoD 5220.22-M.
- EplanetEwaste will provide certificates of sanitizing.
- EplanetEwaste will provide certificates of **hard drive destruction**.
- Our equipment meets compliance standards for mandates requiring destruction of hard drives containing private and confidential information before **hard drive disposal**. This meets NIST, HIPPA, PCI-DSS and GLBA compliance and guidelines requiring destruction of data contained on hard drives.



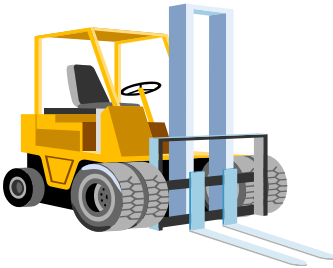
Why is Recycling Important?

- Avoids air and water pollution and greenhouse gas emissions caused by new product manufacture.
- Recycling metals, plastics and glass from EOL electronic products reduces strain on valuable & limited virgin resources.
- Recycling 100 million cell phones could potentially save enough energy to power 19,500 US households for one year.

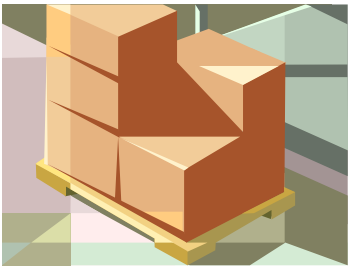
OUR PROCESS



Pick up Materials



Load to warehouse



Sort, demanufacture & reuse



Recycle



What We Accept

- Aluminium
- Batteries
- Cables
- Capacitors
- Cell Phones
- Cell Phone Parts & Accessories
- Computers
- Computer Parts & Accessories
- Digital Phone Systems
- Drives
- Fans
- Ferrous Metals
- Industrial Equipment & Machinery
- Radio Equipment
- Resistors
- Scanners
- Scientific Equipment
- Semiconductors
- Integrated Circuits
- Laptops
- Laptop Parts & Accessories
- LCDs
- Memory
- Mixed Passives
- Network Equipment
- Non-Ferrous Metals
- Oscilloscopes
- PBX Phone Systems
- Plastic
- Power Cords & Adapters
- Power Supplies
- Printed Circuit Boards
- Printers
- Televisions
- USB Back-Up Systems
- Voltage Meters
- Uninterrupted Power Supply (UPS)

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