

Commonwealth Recycling



Goals

- Commonwealth Surplus

- 1st Re-utilize among agencies

- 2nd Re-Sale to generate revenue

- 3rd Recycle - Environmental Standards

- Minimizing cost

- Maximizing revenue potential

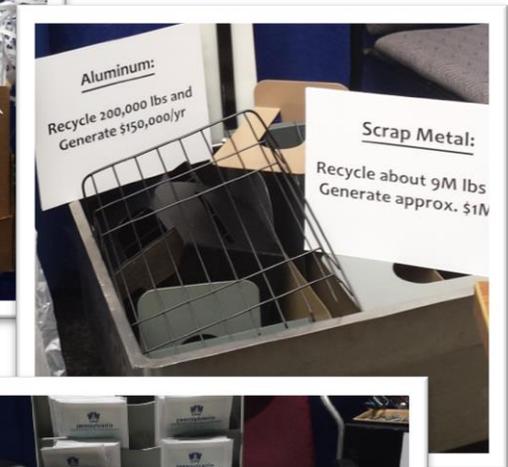
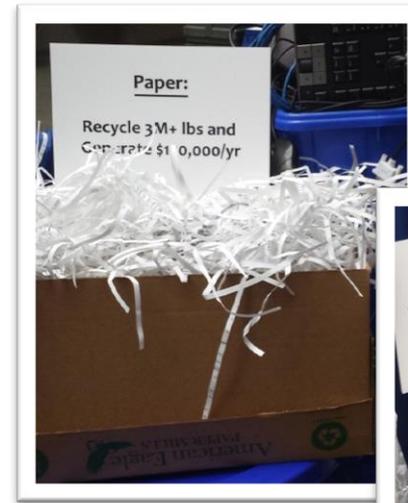
- 4th Disposal – Waste Reduction

- Minimizing waste

- Minimizing costs

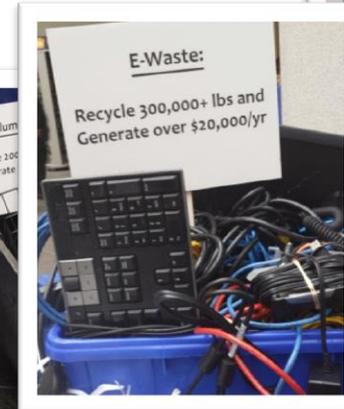
Recyclable Materials

- Paper
- Cardboard
- Bottles and Cans
- Metal
- Toner Cartridges
- Fluorescent Lamps



More Recyclable Materials

- Pallets
- Waste Oil
- Anti-freeze
- E-waste
- Shredded Hard Drives
- Shrink Wrap
- Plastic Drums



Maximizing Revenues

Cost to collect with offsetting revenue received

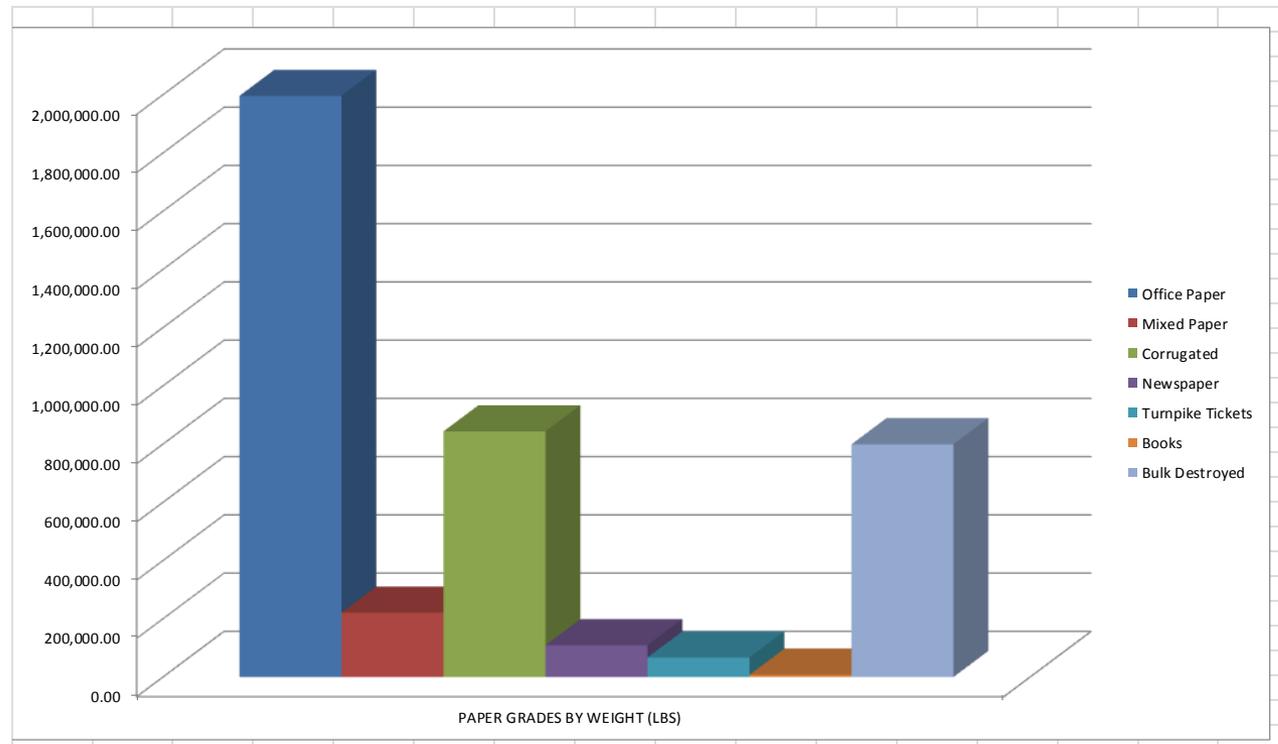
- Paper

- Office Paper
- Mixed Paper
- Books
- Newspaper
- Corrugated Paper
- Turnpike Tickets
- Bulk Destroyed



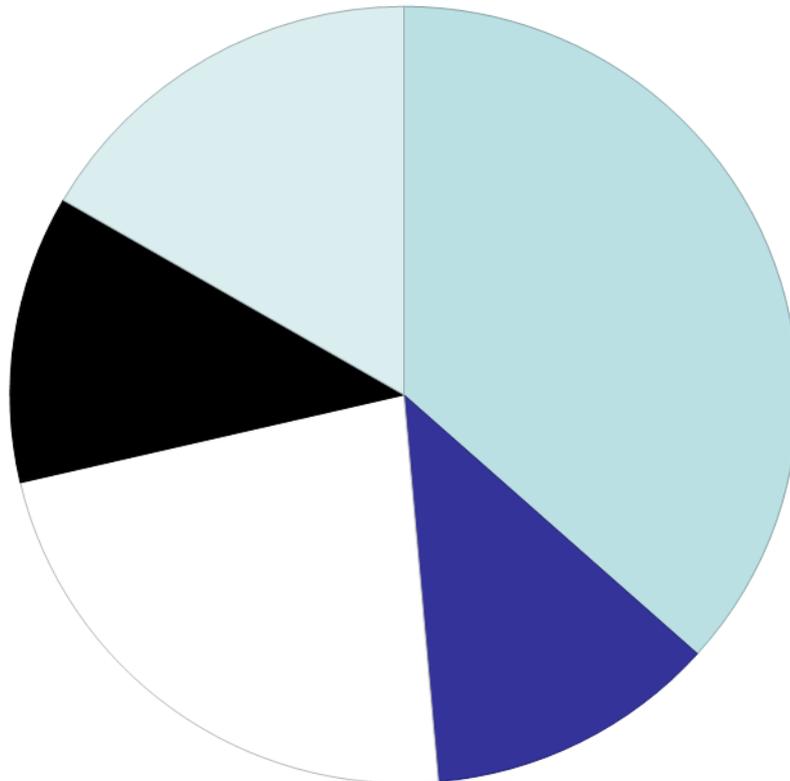
How much paper do we recycle?

- 7,327,622 Pounds of Paper!



What is Paper Worth?

Value of Paper Grades per Ton



- Office Paper- \$120/ton
- Mixed Paper- \$36/ton
- Corrugated- \$68.4/ton
- Newspaper- \$36/ton
- Turnpike Tickets- \$50/ton

Maximizing Revenues

Cost to collect with offsetting revenue received

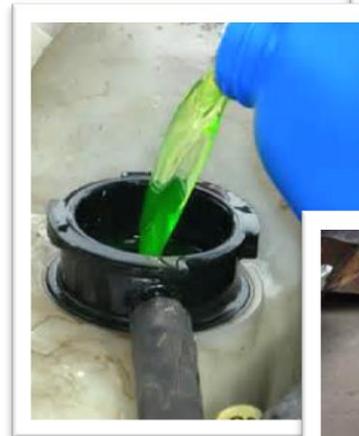
- Metals

- Scrap Metal
- Aluminum
- E-Waste
- Shredded Hard Drives



- Fluids

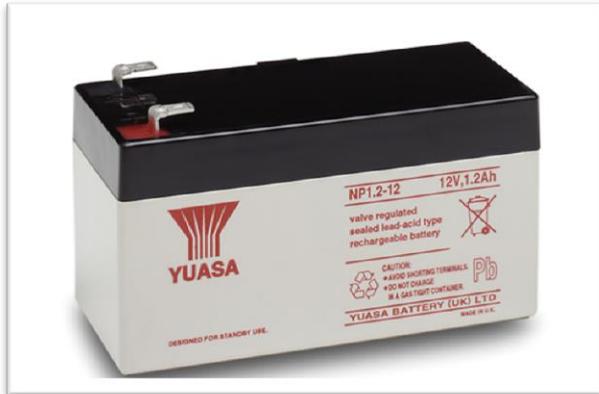
- Waste Oil
- Anti-freeze



Maximizing Revenues

Cost to collect with offsetting revenue received

- Lead Acid Batteries
- Pallets



Minimizing Costs

Cost to collect with no offsetting revenue

- Rechargeable Batteries- 8,596 LBS
- Offsite Shredding- 2,243,379 LBS
- Toner Cartridges- 44,409 LBS
- Plastic Drums- 240 LBS
- Bottles & Cans- 72,942 LBS

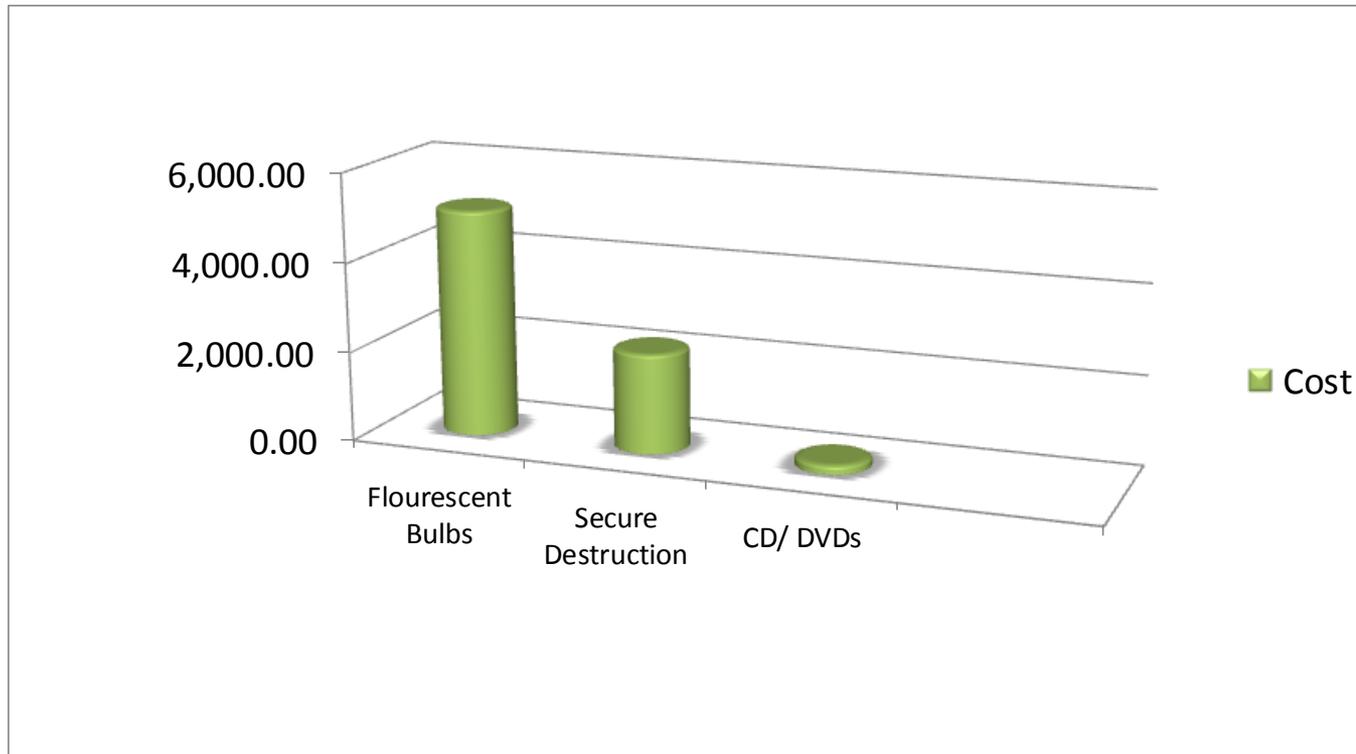
Minimizing Costs

Cost to collect and charge to recycle

- Fluorescent lamps – 7,972 lbs
- Secure media destruction – 64,600 lbs
- CD/DVD recycling – 11,000 lbs

▶ Minimizing Costs

\$11,666.20 spent by DGS



Tires and Rubber Scrap:

Cost to Outside Agencies

- 1,939,552 pounds of rubber recycled
- \$77,582.08 paid by outside agencies



Trip Cost Calculator

- 3 Truck
- 4 Person Crew
- 82 Locations
- 11 Mile Radius



Outside Harrisburg area...

Data captured via Agency Recycling Reporting Website

- Cardboard- 22,026 LBS
- Paper- 79,929 LBS
- Confidential Paper Shredding- 374,446 LBS
- Newspaper/Mixed- 2,959 LBS
- Bottles & Cans- 10,256 LBS
- Toner- 9,008 LBS

How we help

- Online Training
- Electronic Communications via Listserv
- Online Reporting Website
- Find Vendors Across the State
- DGS Procurement

How We Help

- **Green Purchasing**

- Office Supplies- 50% Recycled Paper
- Corrugated Binders instead of Vinyl
- Remanufactured Toner Cartridges
- Janitorial Supplies
 - Paper & Cleaning Products meeting Green Seal GS-37 Standards
- B5, B10, and B20 Biodiesel Fuel is available on Contract.
 - Only B2 is Mandated by Law.
- Bio-Heating Oil is available on contract
- Biomass Wood Chips used to heat Warren State Hospital
 - Approximately 2,000 tons

Trends

- Increased participation in reporting outside of Harrisburg
- Decreased Pollution (with CNG)
- Decreased CRTs & Large Item Electronics
- Increased Mobile Devices
- Increased cost to recycle e-waste
- New contracts for paper and shredding

Future Initiatives

- CNG Vehicles & fill stations
- Waste Audits
- Reporting/ Visibility
Participation up 18%

Thank You!