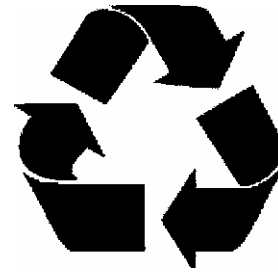




A Comparison of Reuse Versus Recycling



This example was prepared using the United States Electronics Environmental Benefits Calculator*.

The environmental benefits of Reuse and Recycling are compared. 100 computers with CRT monitors are either Recycled or Reused. The savings are compared to disposing of the equipment in a landfill.

	100 Computers Recycled	100 Computers Reused
Energy Savings	Saves enough electricity to power 2.75 U.S. households in a year	Saves enough electricity to power 68.00 U.S. households in a year
Greenhouse Gas Reduction**	Same as removing 1.95 passenger cars from the road per year	Same as removing 48 passenger cars from the road per year
Solid Waste Reduction	Removes the equivalent of the solid waste generated by 1.8 households per year	Removes the equivalent of the solid waste generated by 1.8 households per year
Primary Material Savings**	Saves the equivalent weight of 7.33 refrigerators	Saves the equivalent weight of 7.33 refrigerators
Hazardous Waste Reduction	Reduces hazardous waste by the weight of 720 bricks	Reduces hazardous waste by the weight of 720 bricks
Toxic Material Reduction: All Toxics (including Mercury)	Reduces toxic materials waste by the weight of 3.97 bricks	Reduces toxic materials waste by the weight of 3.97 bricks
Toxic Material Reduction: Mercury Only	Reduces the amount of Mercury in fewer than 0.01 mercury fever thermometers"	Reduces the amount of Mercury in fewer than 0.01 mercury fever thermometers
Air Emissions**	Reduces air emissions by 129 metric tons (142.2 U.S. tons)	Reduces air emissions by 3,183 metric tons (3,508.7 U.S. tons)
Water emissions**	Reduces water emissions by 0.27 metric tons (0.30 U.S. tons)	Reduces water emissions by 6.66 metric tons (7.43 U.S. tons)
Replacement Cost Savings	\$2,708	\$66,801

* <http://eerc.ra.utk.edu/ccpct/eebc/eebc>

** These may be proportionally greater than other metrics ,as they include all material inputs, including those from upstream processes. These estimates do not account for impacts from product/material substitutions that might replace restricted materials.