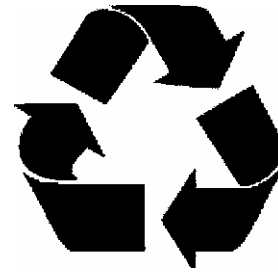




A Comparison of Reuse Versus Recycling



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.