

**A photocopier left
on standby overnight
wastes enough energy
to make 30 cups of tea.**

**Switch it off and you'll
make all the difference.**

For more ways to help combat
climate change at work visit
www.carbontrust.co.uk



Photocopier standby = $0.042\text{kW} \times 14 \text{ hours} = 0.588\text{kWh}$. Average cup of tea = $0.25 \text{ litres} = 0.25\text{kg}$. Energy used to make cup of tea = $0.25\text{kg} \times \text{heat capacity of water } (4200\text{J/kg}^\circ\text{C}) \times \text{temperature rise } (90^\circ\text{C} - 20^\circ\text{C}) = 73,500 \text{ joules} = 0.02\text{kWh}$. $0.588\text{kWh}/0.02\text{kWh} = 29.4$ cups of tea. For full calculation see www.carbontrust.co.uk/postercalculations

The Carbon Trust is grant funded by the Department for Environment, Food and Rural Affairs, the Department for Business, Enterprise and Regulatory Reform, the Scottish Government, the Welsh Assembly Government and Invest Northern Ireland. © Carbon Trust 2008. All rights reserved, March 2008.

PFL310

