

Savings in energy costs  
Reduction of carbon footprint  
Centralised power management  
Global Carbon Disclosure  
Carbon Earth



## Case Study

# CARBON CONTROL SOFTWARE

The purpose of this trial was to establish if CCS could provide an educational institution with a means to reduce their PC energy consumption, reduce their energy costs, and establish a greener image.

The trial was run solely as a two week benchmarking exercise, using CCS to calculate the organisation's energy usage and ultimately their wastage in order to highlight the potential benefit of running CCS on their computer systems. The data used in the following results was gathered from a sample group of 262 computers.

**RESULTS:** The total energy used during the trial period was recorded at 4459.02 kWh. Of this figure only 20% was being used by computers in an active state (880.98 kWh). The other 80% was used when the computers either did not have a user logged on or the user was not undertaking any work on the machine, in other words wasted energy.

Typically, CCS will provide between 25 – 30% reductions based upon the Energy Wasted figure if applied with our default Energy Saving Policy value. If we take a default value of 10p per kWh we can see that CCS could have saved the organisation anything between £97.17 - £116.60 over the two week period. If you extrapolate this data out over a year an organisation running 1000 PCs would stand to make savings of close to £10,000.

During the test period the organisation's PCs were responsible for the emission of 2167.05kg of CO<sub>2</sub> in two weeks. With CCS policies in place an estimated reduction of 25 – 30% would cause a saving of between 541.76 – 650.11 kg of CO<sub>2</sub> not being released.

Although CCS energy saving policies were not actually implemented in this trial it highlights the fact an organisation's computer system is rarely running in an energy efficient manner and that CCS has the potential to provide large savings both financially and in terms of carbon emissions.

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