Out Performers
Energy Measurement & Verification Specialists

Case Study: Data Centres 2

Software Controls for IT use – Large Media Company

There are a number of software products that can reduce the energy use of desktop computers that are left idle for long periods overnight, on weekends, and even during business hours. Out Performers can quantify these energy savings – $212,000 in this particular case – and also create ESCs.

Situation:

A large media company installed a package of Greentrac software products across its national offices to reduce computer electricity use.

Greentrac is a specialist software package designed to provide a detailed audit of all IT assets as well as quantifying the energy use of a company's IT portfolio. This information can then be used to reduce companies' IT-related electricity consumption through a range of strategies that reduce the time that computers are in full power mode when they are not in use.

Greentrac monitors device use and delivers comprehensive reports on energy consumption, idle time and other metrics. Users are encouraged to switch their computers to 'sleep' mode more often through ongoing monitoring and reporting. In addition, the software further facilitates energy savings by enabling users to easily switch their computer to low power mode through a desktop icon. There is a portal for the user to check their energy use at any time and an interface for privileged users to review division and organisation energy use.

Greentrac estimated that around 86% of the energy consumed by the company's computers was being consumed whilst the workstations were in an idle state, and that up to 85% of this waste (i.e. 73% of the total energy) could be saved through the installation of Greentrac software.

Energy Savings Certificates to offset project costs:

• Out Performers quantified and verified the energy savings from the Greentrac software project, and quantified associated HVAC energy savings, using our specialist energy measurement and verification capabilities.
• Through our unique accreditation under the Energy Savings Scheme (ESS), Out Performers created **$15,800** in ESCs from the energy savings achieved.

Benefits:

• Energy saved per year: **1,215 MWh**
• Saving **$212,625** in electricity costs per year
• CO_2 saved = 1,146 tonnes p.a.
• Energy Savings Certificates = **$15,800**
• Greentrac software has enabled the IT Manager to use the controls available on the recently-installed Windows 7 software to achieve further operational benefits and maximise IT effectiveness and energy savings.