

Case Study: Data Centres 3

Print and Printer Consolidation – Government Agency

Print consolidation project achieves \$43,624 savings in electricity use

Background:

The average office worker prints out several thousand pages per annum. Paper use is by far the largest contributor to printing costs in an organisation, and has the greatest carbon footprint. Yet persuading workers to print less is often not easy nor particularly rewarding.

Many photocopier companies offer a print consolidation service (or “managed print service”). This includes a range of strategies and activities that improves the energy efficiency of the printers used, and reduces both number of pages printed and number of printing devices available, thus achieving cost and energy savings, as well as environmental benefits.

Situation:

- Our client – a large multi-site government agency – embarked on a print consolidation exercise, and reduced the number of printing devices in its fleet from 856 to 357. Older printers were replaced with more energy-efficient models, and dedicated A3 printers and mono A4 printers were placed where studies indicated they were needed the most. A roadmap to retire printers approaching the end of their warranty period during the next four years demonstrated that the fleet could be reduced to an optimum total of 279 devices by the end of the fourth year.
- Other energy and paper-saving practices were implemented, for example, automatic double-sided printing of emails and follow-me printing.

Energy Savings Certificates to offset project costs:

- Out Performers in conjunction with a specialist partner organisation conducted data logging and engineering analysis to quantify and verify the energy savings from the Print Consolidation project.
- Through our unique accreditation under the Energy Savings Scheme (ESS), Out Performers created ESCs from the energy savings achieved by the project.

Benefits:

- Energy saved per year: **164 MWh**
- Saving **\$43,624** in electricity costs per year
- CO₂ saved = 155 tonnes p.a. (from electricity savings only)
- The major cost savings to the client were from reduced printer consumables.
- Due to further printer consolidation scheduled for implementation over the next four years, additional ESCs will be created in future years.