

# IT Power Management

## Saving energy and costs on computer use

Leaving computers and monitors on during non-working hours wastes both energy and increases carbon emissions.

The most cost-effective solution is for individual users to ensure that they switch off both the computer (PC) and monitor during non-working hours. However the National Energy Foundation (NEF) indicated that around 20-30% of users do not switch off computers during non-working hours.

### 1.1 What is the framework?

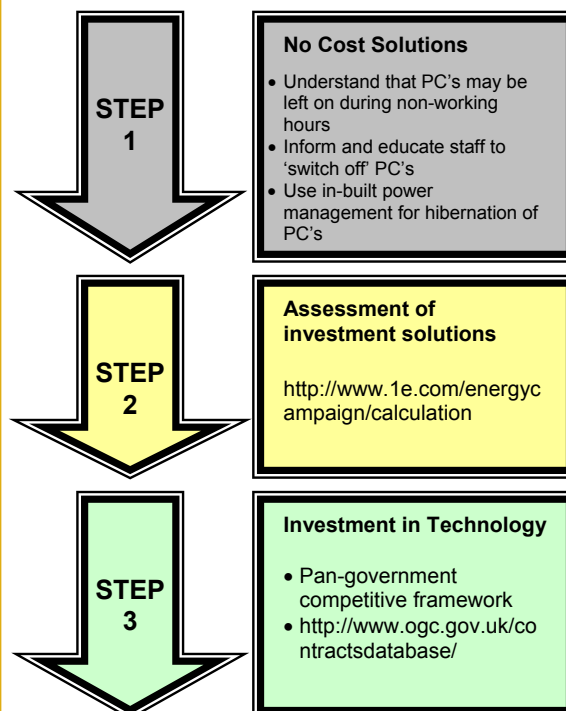
It is a pan government framework agreement with a single provider, for the provision of IT power management solutions and services, awarded by Department for Culture, Media and Sports on 1 May 2008 for four years.

The IT solutions are software applications which monitor and manage networked computer use. The 'NightWatchman' application shuts down the computer and monitor. It can be combined with a 'wake-up' application to allow for necessary network updates.

This solution can automatically control the energy use of computers to ensure all computers are off when not required and thereby reduce energy costs and carbon emissions.

### When should I use it?

The procurement solution should be a final option. The following shows the necessary steps prior to purchasing the software solution. However it may be that due to IT requirements staff switch off campaigns may not be suitable, in which case this solution can enable computers to be switched off after the necessary upgrades have been installed.



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### What are the benefits?

The software allows the automatic shut down of PC's during non-working hours to reduce wasted energy and consequently, cut costs and carbon. Costs are cut by £25-£45\* per "left on" PC pa.

The software has a safe document recovery system, and also still allows the IT system to be woken up for necessary IT upgrades. There are also specific overrides that can allow users to delay the shut down when necessary.

Daily consumption and activity reports are provided to show energy cost and carbon savings.

The return on investment is in less than six months. The licence cost is reduced by 30% from the list price.

### What are the costs?

The software applications are a one-off charge per computer. Any additional maintenance or installation support is charged on either an annual or daily rate. All charges are shown on the public sector portal (available to public sector users only). The typical payback of the 'NightWatchman' shut down application is less than six months. This solution also attracts Salix Finance match funding support.

### What are the next steps?

After first reviewing the suitability of the framework, contact OGC Service Desk who will provide details of the public sector portal. Public sector purchasers require a login and password to access the cost details. The terms and conditions are set out on the registration page, which includes the ability for OGC to collect data from users. Copies of the call-off contracts are online. There is no need for any mini-competition.

**Note:** NWM stands for NightWatchman  
\* This figure represents 2006 energy prices

### Once registration is completed the following process is adopted:

Implementation timescales	
500 PCs	4 weeks
2,000 PCs	6 weeks
25,000 PCs	8 weeks

Five step implementation plan
<ul style="list-style-type: none"><li>• Implement NWM reporting software to determine current usage data</li><li>• Install NWM client software in reporting mode</li><li>• Analyse collected information and determine appropriate shutdown schedules</li><li>• Pilot the new schedules</li><li>• Apply to all NWM clients</li></ul>