



PC POWER MANAGEMENT

SYDNEY HARBOUR FORESHORE AUTHORITY HALVES PC ENERGY USE WITH NIGHTWATCHMAN



**Selecting an Efficient IT solution from 1E
increases energy efficiency of Authority's entire
PC estate**

Challenge

Sydney Harbour Foreshore Authority needed to reduce the energy costs associated with powering end user equipment. It also needed to deploy software patches and upgrades to those machines in a more effective and efficient manner.

Solution

NightWatchman in combination with Microsoft System Centre Configuration Manager 2007 (ConfigMgr) and Windows Server Update Services (WSUS).

Business benefits

- Reduced power costs and associated CO₂ emissions from computers by 51% since implementation.
- Raised awareness and encouraged staff to 'think green'.
- End users experienced greatly improved, zero-impact software patching and upgrades.

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Going Green as Earth Hour Strikes

About Sydney Harbour

With more than \$1.1 billion in assets and around 220 employees, Sydney Harbour Foreshore Authority owns and manages around 140 heritage assets. It is responsible for some of the most historically and culturally significant waterfront locations in the region such as the precincts at The Rocks and Darling Harbour.

The Authority holds sustainability, social responsibility and economic viability at the very core of its management of these sites. Darling Harbour and The Rocks became the first precincts in New South Wales with eco-footprint reduction targets, which aim to reduce the carbon emissions of these precincts by 80 per cent from 2000 levels by 2020.

Between them, the precincts attract around 40 million visitors annually.

When embarking on its project to reduce PC energy consumption, Sydney Harbour Foreshore Authority had a clear goal in mind – to make its business operations carbon neutral by 2010 and to reduce carbon emissions of its precincts by 80% by 2020.

The Foreshore Authority deployed NightWatchman from 1E across its entire estate of PCs. For maximum impact, it kicked off the project during Earth Hour, a global sustainability movement which started in Sydney in 2007 and now has the participation of over 50 million people across 35 countries.

NightWatchman from 1E was used to shutdown all computers automatically at 7pm each day to save on energy costs. With this power policy, any users still working at that time, were able to defer the shutdown, if they needed to complete an important assignment.

The NightWatchman system provides the Foreshore Authority's management with unparalleled reporting, which is based on actual machine make and model power consumption figures and local energy tariffs. This meant that any changes to power consumption could be tracked and details of PC usage patterns could be used to identify where improvements could be made. The WakeUp component of NightWatchman facilitates automatic software patching and upgrades to be done after hours, when energy tariffs are cheaper and with zero disruption to the end user.



Raising Awareness Across the Business and Maintaining Sustainable IT

About NightWatchman

Accurate reporting with credible savings predictions

Safe shutdown which never impacts user productivity

Automatic wakes and patches every PC - 100 percent patch success rate even out of hours

Web WakeUp enables users to remotely access their PC at any time

Supports secure environments

PC Estate Profiler monitors and reports on hardware utilization across a PC estate.

The team at Sydney Harbour Foreshore Authority responsible for the deployment of the solution found that NightWatchman did not only provide them with a baseline measurement of its PC energy consumption, but as important, it was a platform they could use to evangelize the benefits of such a project to other stakeholders within the business.

The deployment of NightWatchman by the Sydney Harbour Foreshore Authority has reduced power costs and associated CO₂ emissions from computers by 51% since implementation.

The results of the project were continually communicated to the business. Results were published on the intranet, discussed in project management meetings and made visible throughout the business. This provided a high level of business understanding, ownership and cooperation to keep the momentum of the project going.

Sydney Harbour Foreshore Authority has since continued to make its infrastructure more efficient and sustainable. It has consolidated servers, deployed virtualization, enabled dynamic power management on servers and invested in new 'greener' hardware.

About 1E

1E's suite of disruptive IT operations management tools save billions, solve problems and simplify the management of large, complex IT environments – in record time. Designed with a singular focus to help drive down costs, 1E's solutions include tools for IT asset management, Windows systems management and BYOPC.

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