



Technology Brief: Computer Network Energy Management

Research shows that despite the fact most personal computers (PCs) have the capability to shift to a low power state when not in use; the vast majority do not. On average, 70% of monitors and 55% of computers are left on after business hours and 20% of monitors and 75% of computers do not have sleep mode enabled¹. For schools, large businesses and public agencies, these inefficiencies present an opportunity to save tens of thousands of dollars in energy costs each year, simply by properly managing the power settings of PCs. Solving this problem and harvesting the energy and cost savings is now possible through the use of **Faronics PowerSave** software.



PowerSave provides centralized control over the power management features of each PC within a computer network. This centralized control feature allows organizations to set standards that insure when PCs are not in use they are either using low power states appropriately or they are completely shut down. PowerSave is completely configurable and customizable, and allows every organization to set policies that will insure the maximum amount



of energy savings are achieved without negative impact to either the PC network itself or to the productivity of individual users. In order to insure the maximum amount of energy is saved, PowerSave is engineered to allow different sets of policies to be established for different groups or types of users. This 'grouping' feature insures that each individual PC is being managed appropriately from an energy perspective. Further, PowerSave allows multiple policy periods to be established throughout the day, allowing an organization to be less aggressive about energy savings during the active workday, and much more aggressive after hours and on weekends. PowerSave also provides an automated shutdown feature that allows PCs to be powered off on a pre-established schedule.

On average, PowerSave saves about 200 kWh per PC per year, and does so in a way that is transparent to the end users. A network of 1,000 PCs would save about \$24,000 per year in energy costs. Smart Energy Options will provide this software at no out of pocket costs to you.

The **California Computer Network Energy Savings Initiative** is designed to assist businesses and school districts throughout California in implementing this proven technology to maximize energy and cost savings. Smart Energy Options, a Faronics strategic partner, is prepared to help each utility customer implement this project on its computer network with no out of pocket expenses.

For more information, please contact Smart Energy Options at (877) 663-9442 or email info@smartenergyoptions.com.



It is estimated that California businesses and school districts can save over 210 million kilowatt-hours (kWh) of energy and over \$26 million in energy costs each year by using Faronics PowerSave software.



Company Overview

Smart Energy Options (SEO)/K. J. Kammerer & Associates, Inc. is a company committed to delivering proven technologies to customers to reduce energy use and costs. We are a value-added partner with Faronics Technologies offering Faronics full line of software products¹, with an emphasis on Power Save power management software.

Roles and Responsibilities

Smart Energy Options will:

- Provide professional technical assistance with the deployment of the Faronics Power Save power management software to ensure your system is fully deployed and operational.
- Provide one-on-one training for your staff.
- Finance the project costs during the deployment phase (limited to 30 days).
- Process utility rebates on the customer's behalf.
- (Optional/ May require addition fee) Provide a third-party assessment of your IT system servers and other components and make recommendations that could result in additional energy savings opportunities over the longer-term (e.g. server virtualization, UPS upgrade and/or replacements, CRT to LCD replacements, etc.). In each case, we will make recommendations on how to best maximize utilization of available utility rebates to offset the costs of these other projects.

Customer will:

- Provide an accurate PC count for Power Save deployment.
- Lead the deployment effort with the assistance of SEO and Faronics technical staff.
- Complete software deployment within 30 days (multiple locations may be sequenced over time).

Faronics will:

Provide Maintenance and Technical Support for the period agreed upon during the sale, including:

- Premium Technical Support: Unlimited toll-free phone, fax and email support for your organization's technical employees.
- Software Assurance: Automatic access to the latest software updates for all licensed units, including major version upgrades.
- Price Protection: Guaranteed volume-level pricing for additional licenses based on previous purchases.
- License Conversion Pathway: Conversion of existing licenses to a different product edition at economically viable prices.
- Faronics Labs Membership: Faronics Labs offers continual download access of the latest version of your product(s), account history overview, community forums, news, Faronics product previews, and much more.

¹ **Deep Freeze** protects workstation configurations from accidental or malicious damage—without restricting user access. **Anti-Executable** protects workstations from unwanted software by preventing unauthorized executables from running or installing. **Insight** provides teachers with total control over classroom computers and student activity. **WINSelect** enables IT administrators to customize which applications, websites, programs, and menu options a user has access to. **Device Filter Mac** enables system administrators to allow or prevent devices from connecting to enterprise workstations. **System Profiler** generates a detailed inventory of a workstation's configuration, hardware, and software.