



## New Boundary Technologies - PwrSmart® Snapshots

In our work with many customers, we've learned that companies don't always have the IT resources that are necessary to complete a strictly-controlled baseline experiment for determining the results and benefits of centrally managing PC power settings. In addition, if their baseline experiment is started but gets bogged down or interrupted, companies can lose sight of the big picture of PC power management: *How are we doing now? Could we be doing better? How much of an impact will PwrSmart have?*

**PwrSmart Snapshots** make it much easier to find answers to those important questions.

Snapshots provide a simple yet powerful way for companies to see how their PC power management efforts are working. Snapshots are simply stored values for the metric "average hours/day in low power." The value of a snapshot is established by measuring power off events from a group of computers over a period of time. Alternately, the value can come from one of the three predefined snapshots included with PwrSmart, or it can be a manually-set value that the PwrSmart user thinks is a reasonable goal for hours/day in low power.

Snapshots are used in various comparison scenarios to determine a company's net savings, either during their PwrSmart evaluation or later when in production. They give companies an easy way to verify if they're on track to meet their savings goals.

Here are some ways to use snapshots:

- A PwrSmart user tracks power off events of a group of 50 computers (no scheme assigned) over a two week period, then saves that value as a snapshot (e.g., "June 1-15, no scheme" with a measured value of 4.5 hours/day in low power). The user then assigns a power scheme to the 50 computers. After waiting another 2 weeks, net savings are seen when comparing the June 1-15 snapshot with measured results over the 2<sup>nd</sup> half of June.
- Instead of gathering power off data for another 2 weeks after a scheme is assigned, the user could simply compare the value from the June 1-15 snapshot with one of PwrSmart's built-in snapshots to see how the measured data compares with that from other studies:
  - a) "EPA-based baseline" - derived from U.S. Environmental Protection Agency's PC power management study showing that 60% of PCs are left on at night (~6.5 hours/day in low power)
  - b) "PwrSmart Baseline" – reflecting the collective experience of PwrSmart customers prior to applying power management schemes (~4.5 hours/day in low power)
  - c) "PwrSmart Target" – expected results when using PwrSmart schemes (~18 hours/day in low power).

Snapshot comparisons can be done in 3 places using **PwrSmart Service**:

- On the Dashboard, using the new **Annualized Savings from PwrSmart** widget. Comparison uses the default snapshot or any other saved snapshot.

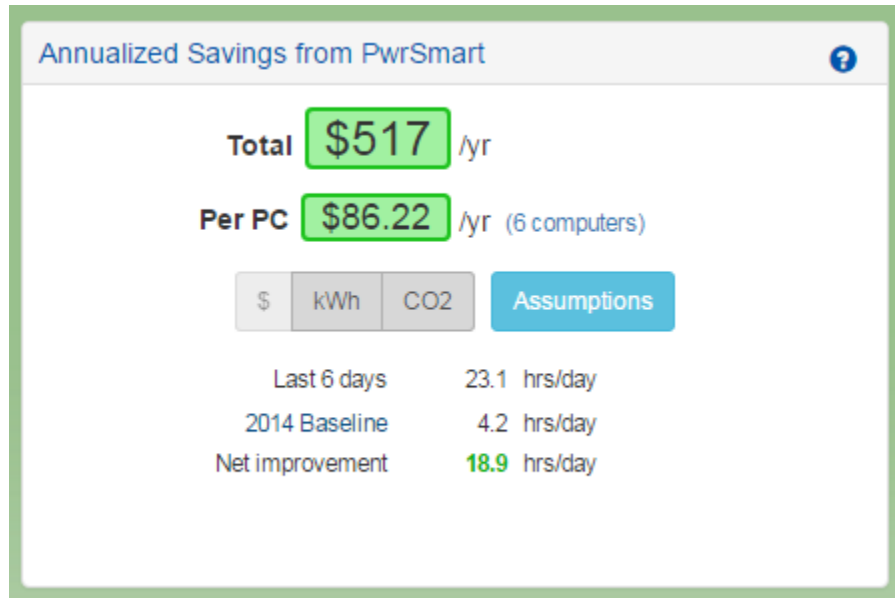


- On the Analysis | Net Savings page, where a comparison of any computer group or power scheme is made with the default snapshot, or any other saved snapshot.
- On the Reports page, using the **Net Energy Savings (by Group)** report.

Snapshot comparisons can be done in two places using **PwrSmart Software** (on-premise):

- On the new **Savings Profile** subtab of Managed Computers
- Using the new **Net Energy Savings (by Group)** report

*PwrSmart Service Annualized Savings widget*



*PwrSmart Software Savings Profile*

