



# OTMH Hospital Case Study

## OTMH Hospital Receives Daily Electrical Check-up

In these days of fiscal restraint and rising energy prices, Steve Morgan - Manager of Plant Operations at Halton Healthcare Services (Oakville Trafalgar Memorial Hospital Site) **keeps his finger on electrical costs by utilizing daily energy reports provided by Oakville Hydro Energy Services.**

***“The electronic report I receive every day allows me to quickly determine if action should be taken to reduce waste, or ensure system reliability. The electronic report, produced with very little effort, ensure we are operating as efficiently as possible.”*** These analytical reports, provided by Oakville Hydro Energy Services, help OTMH manage their electrical usage and cost. Oakville Hydro Energy Services, provides analytical reporting for energy management and procurement. Every night, Oakville Hydro Energy Services electronically polls the electrical utility meter at OTMH to capture a stream of data, which is then converted, into a concise meaningful report. The reports are created based on the Hospital's specific information needs and are electronically distributed to Steve. Each day Steve reviews information on peak demand, on and off peak kWh usage, daily kWhr variance and power factor.

Although OTMH has installed a comprehensive building management system to control costs, he also finds the customized daily electrical report very helpful. ***“The electronic report I receive every day allows me to quickly determine if action should be taken to reduce waste, or ensure system reliability. It's extremely useful seeing what effect different equipment or weather has on our hourly electrical usage”***

There have been several instances where the utility grade energy reporting service has helped OTMH optimize their operation. On one occasion an improperly configured automatic building management control system started and ran 200 kW of chiller equipment off-hours. A quick review of the daily report identified the problem and corrections were made the next day. Energy cost savings were realized immediately.

These same daily reports also serve as a maintenance tool to determine proper loading of the back up electrical generator and to ensure capacitor banks are operating properly to avoid paying penalties for poor power factor.

Steve shares the energy reporting with other departments to ensure proper and timely decisions are made that benefit OTMH. From senior management evaluating capital cost feasibility, to Plant technicians pinpointing improper settings on the building management system, the energy reporting has proven to be a sound and worthy investment.

### **What Steve likes about the energy reporting;**

- **Proactive** – reports are sent electronically before he arrives in the morning
- **Timely** – information identifies waste or improper control very quickly
- **Concise** - the reports are informative which allows quick decision and action
- **Customized** – information is provided and modified based on specific customer needs
- **Accuracy** - information is directly from the electrical utility meter
- **Good value** - **The service paid for itself in less than 3 months**



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