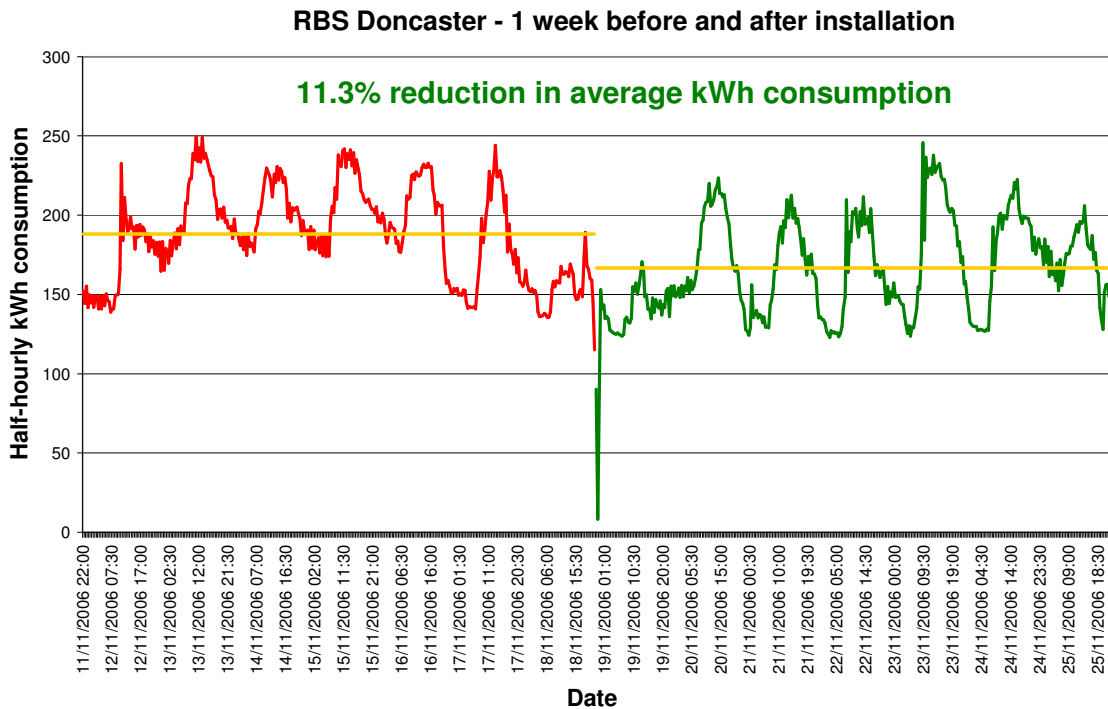




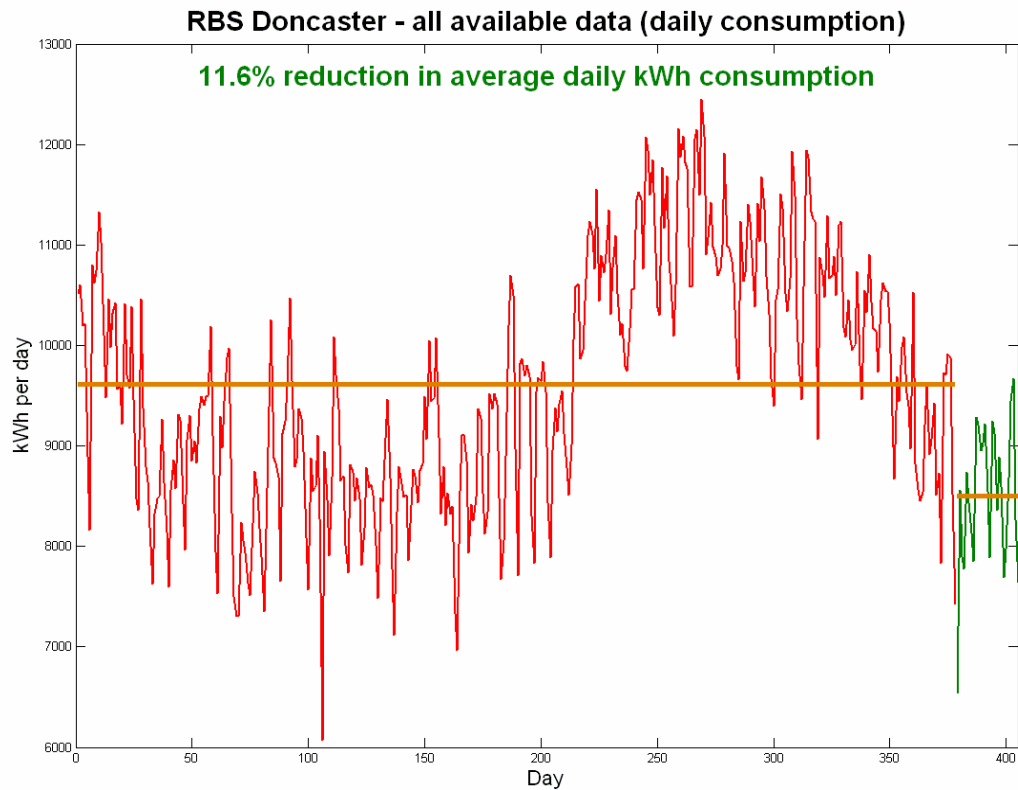
Royal Bank of Scotland, Doncaster Savings resulting from *powerPerfector* installation January 2007

An 830kVA *powerPerfector* unit was installed at RBS Doncaster on 18th November 2006. The following charts indicate the savings in kWh consumption that have resulted from the installation.



The above chart shows half-hourly kWh consumption for the weeks immediately preceding and following the installation of the *powerPerfector*. A reduction in average consumption of **11.3%** has occurred, along with a **10.7%** reduction in daily maximum demand.

In order to verify this level of savings, the half-hourly readings recorded after installation are considered in the context of all the available data, as shown overleaf.



There is an overall reduction in average daily kWh consumption of **11.6%**. There is also a notable reduction in the average base load (overnight) consumption following installation. Base load in the month after installation is **13.0%** lower than the preceding month.

Conclusions

In the short period since the *powerPerfactor* was installed, there has been an evident reduction in electricity consumption of over **11%**. Overnight consumption and peak consumption have also been reduced, indicating that the *powerPerfactor* is improving the electrical efficiency of the site as expected.