Achieving PFI Energy Targets

CUSTOMER
A medium-sized acute hospital, east of London

SECTOR
Healthcare

FOCUS
Onsite review to enable better performance against PFI energy consumption targets

BENEFITS
A more accurate picture of energy use, plus identified savings of £136,970

THE CHALLENGE
An acute hospital east of London needed to address its poor performance against contractual PFI energy performance targets. Energy use was significantly more than the 59.44GJ/100m³ benchmark; and was beginning to have significant financial implications.

Concept Energy Solutions was appointed to undertake a preliminary study, to review the energy consumption and performance, and to identify any areas of inefficiency or opportunities where technology would assist in reducing energy consumption.

OUTCOMES
Achieving PFI targets: When Concept checked the metering on site, it became apparent that there was an anomaly in the meter reading/reporting process and in fact electricity consumption had been over-stated. Using revised consumption figures for electricity, the site performance against target is significantly improved; in fact it is below the 59.44GJ/100m³ target threshold.

Energy savings of 10% identified: The building was performing well against published benchmarks. Yet Concept was still able to reveal a range of worthwhile opportunities for energy reduction. Estimated savings of £136,970 were identified and recommended to the client, equating to 781 tCO₂ savings and a reduction in costs of 10%. Concept estimates that investment in these measures would pay for itself in under 2.5 years.

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