

Portsmouth Energy Report 2007

a) A review of opportunities for increasing the overall energy efficiency

Listed below are area's that we are looking at in 2008 to improve efficiency:-

- Thermal losses – Identified during thermo graphic survey.
- Rainwater Harvesting- Tipping Hall wash down.
- UFA temperature control – Automatic control Valve.
- PIR lighting control.
- Energy Efficient lighting.
- Switchboard zoned metering.
- Automatic ACC wash down system.
- Replace all CRT monitors with LCD.

b) Progress with the opportunities identified in the previous annual report.

The plant is designed to have been connected to district heating at any time during its operational life. We continue to monitor any development in the immediate vicinity, however there is currently no market, heating infrastructure or partner available to utilise this facility.

The two largest influences on the thermal efficiency of the current process are the heat transfer characteristics of the steam generator and the air-cooled condenser. We have carried out a thermo graphic survey in 2007 and identified some areas where heat was being lost through some insulation, these areas have been rectified to minimise heat loss.

A member of our staff has taken on the role of "Energy Champion "and has been actively involved with organising a visual poster campaign and suggestion scheme which forms our objectives and targets for 2008.

c) Energy produced per tonne of waste processed including parasitic load and exported energy.

Type of energy	MWh/Tonne
Total energy produced	0.60
Average annual exported	0.53
Typically parasitic load	0.07