

Energy Savings Sheet: Process Plant

2EA have produced this sheet to identify areas of potential energy savings. It consists of notes and checkpoints that can be used by managers to help reduce overall energy consumption.

Notes

- Process plant is often overlooked with regard to energy efficiency because it is seen as too specialist. Also product quality comes first and there is often a great reluctance to change anything in case the product is affected.
- Consider and build in energy efficiency opportunities when procuring and installing new process plant.
- Specialist help may well be needed, but frequently savings can be made through switching off the plant when it is not doing anything, or altering production schedules to better utilise the plant when it is operating.

Checkpoints

Is the plant used as fully as possible?

- ✓ Under-utilised plant can often be significantly less efficient than plant running at full output.

Have you monitored the energy performance of significant processes separately?

- ✓ This will help you detect deterioration early and quantify the impact of savings measures.

Are processing regimes optimised between quality and cost of operation?

- ✓ Process times may be unnecessarily long because, 'that's the way its always been done'.

Is the equipment properly maintained?

Have you considered options for improved controls of existing processes?

Where heat is rejected from processes, have you considered opportunities for heat recovery and its uses elsewhere, such as for space heating?



Low
Carbon
Consultant



Low
Carbon Energy
Assessor