

Food And Drink Sector

Summary

This case study outlines the potential benefits to of using Greenbusiness to help manage resources more efficiently. The site visit identified a range of recommendations with good associated potential benefits, including:

- Cost savings in excess of €733,500 per year
- Energy and water savings through an awareness raising campaign for all staff
- Reduced energy use by adopting a formal energy management strategy
- Saving energy through improved data monitoring, analysis and control
- Reducing energy use through investigating the benefits of a variable speed drive to the cooling tower
- Saving energy by introducing a motor policy which maintains and upgrades motors to improve efficiency; identifies and turns off motors not in use; and operates motors at their most efficient (75% - 90% loading)
- Introducing energy efficient, sensor controlled lighting and manipulate natural daylight
- Saving energy by upgrading the waste heat system
- Saving energy by ensuring that all appropriate pipe work are well insulated
- Switching of all PCs when not in use
- Saving compressed air by undertaking a leakage survey; checking where compressed air is actually required; fitting venture-type nozzles to blow guns; and turning the compressors off when not in use
- Chemical savings and reduced heat demand by using electrolysed water during CIP

Request a Greenbusiness Resource Efficiency Assessment now by:

Registering at www.greenbusiness.ie;

Calling our helpline on
1850 473361 (1-850-GREEN1); or

E-mailing the helpdesk at
contactus@greenbusiness.ie.



Food And Drink Sector



Carbery

The company is a major international food ingredients, flavours and cheese manufacturer headquartered in Cork, Ireland, with a heritage stretching back over forty years.

Carbery manufactures a variety of products and by-products. The main product is 20kg blocks of cheese. Other products include:

- Whey powder – for sports nutrition products
- Yeast
- Butter
- Alcohol

Improving Resource Efficiency at the Company

The company is proactive environmentally with a number of initiatives in place to minimise resource use and create savings. The regular maintenance procedures on site, ensure that operations are efficient and less wasteful of resources. Energy use is well promoted and high on the agenda. There are 200 electricity and steam sub-meters on site, which provide excellent data for monitoring. Carbery also have plans in place to replace the old boilers with new, more efficient models that may use biomass. The refrigeration system is also well controlled, with disciplined operation that looks to minimise energy use.

Greenbusiness was able to suggest various further measures to consider, as highlighted overleaf, with large potential environmental and cost savings.

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OUR STAFF ARE WAITING TO HELP