



Together for a sustainable future

Key Facts

1. Time scale: January 2012 onwards
2. Measurement methods: Food waste collections made each week which is weighed & recorded via the 'Waste Transfer Notes'
3. Not many offices with a catering facility onsite are aware of this available process
4. Food creates renewable heat & electricity from waste

Client Objectives

1. To reduce landfill waste and the environmental impact of Lyreco's food waste generated on-site

The Lyreco Solution

1. Facilities Coordinator implemented service to collect the food waste weekly and be delivered to Harper Adams Anaerobic Digester
2. Facilities Coordinator to record the amount of food waste recycled
3. Catering manager to ensure kitchen food waste is segregated on a daily basis
4. Cleaning staff to ensure food waste bins are emptied and cleaned each evening and discarded of correctly within holding food waste bin

Outcome / Benefits

1. Since Lyreco launched this process in March 2012, up to October 2012, we have recycled and saved 4 tonnes of food waste going to landfill
2. We predict to save/recycle 8 tonnes of food waste in a calendar year
3. We are planning a trial to implement small food waste bins within the offices

Zero Waste to Landfill: Food Waste/ Anaerobic Digester Case Study

WHAT WE DID:

Late 2011

Visited Harper Adams held by the Business Environmental Support Scheme Group (BESST) to understand the processes of their Anaerobic Digester & the benefits it brings for reduced landfill costs, creating renewable energy & digestate.

January 2012

- Action plan drawn up to ensure Lyreco maximise possible savings and clearly define roles and responsibilities
- Building Services & Facilities Coordinator responsible for designing & fabricating waste segregation cabinets situated within the canteen
- New sign designed by Lyreco Studio to communicate what happens to the food waste

February 2012

- Facilities Coordinator sourced contractor services to collect, weigh and deliver the food waste to Harper Adams
- Sourced new catering kitchen bins and 100% bio-degradable food waste sacks

March 2012

- Communicated the new process to all Lyreco staff, contractor cleaning & catering staff
- Facilities Coordinator monitored the segregation and processes of the new facility for a number of months

Ongoing

Facilities continually logging data (Kg) and communicating great news of how much Lyreco have saved in landfill tonnage.

Other benefits:

- Creates Biogas Energy and Digestate (A nutrient-rich material used as a fertiliser and soil conditioner)
- Saving environmental impacts by reducing landfill tonnage & costs.
- Creating green energy & fuels
- Applying the digestate (food waste residue) back into the eco system to grow fresh crops

