

# Zero to Landfill Waste

## What is general waste?

General waste sacks accept any materials that you can't recycle in other sacks. Almost all of your material can go into mixed recycling sacks (paper, plastic, card, tins, cans, glass), and any food waste, coffee grounds, tea bags or plant waste can go in food recycling sacks. Anything left over is general waste.

## What happens to waste?

Waste is incinerated to produce heat and electricity and nothing is sent to landfill. The process is described below:

### 1. Green transport on Thames Barges

Once collected, waste travels from central London by barge (no road miles) to a state-of-the-art energy recovery facility in Belvedere. The Belvedere Incinerator is a modern incineration facility that converts waste into clean energy and powers over 100,000 homes every year.



### 2. Generating heat and electricity

Waste is burnt at the facility and the heat generated is used to turn water in the boiler tubes into steam. This in turn is used to generate c470,000MWh of electricity every year.

### 3. Creating clean gases

Flue gases, which are used in incineration to heat water into steam, are treated with lime, carbon and water. This treatment cleans and neutralises the acids in the gases and allows the clean gas to be discharged safely into the atmosphere.



### 4. What's left over?

Incinerator Bottom Ash is a byproduct of the incineration process and over 170,000 tonnes is produced every year. This ash is used as an aggregate to build roads all over the UK.