



Energy recovery facilities play an important role in helping meet Scotland's ambitions to effectively and efficiently divert non-recyclable waste from landfill.

- Diverts significant volumes of non-recyclable waste from landfill
- Converts non-hazardous and non-recyclable waste into energy
- Provides reliable electricity
- Over 60 ERFs currently operating across the UK
- Proven technology operated within carefully controlled conditions
- Gases produced are carefully treated before being released into the atmosphere in accordance with strict emissions regulations
- ERFs create useful by-products such as ash and metals which can be re-used and recycled.

The process

- Pre-sorted household and commercial waste is brought to site in enclosed lorries and unloaded in a fully enclosed waste reception hall
- It is then deposited into a bunker where the crane grabs the waste and feeds it into the hopper
- The waste drops into a feed chute and onto a moving grate to burn waste at a minimum of 850 degrees centigrade
- The heat produced creates high pressure steam which then drives a turbine that creates electricity for export to the National Grid
- Gases generated during the combustion process are treated and cleaned before being released into the atmosphere through the stack
- Residues such as ash and metals are recovered from the combustion process and are taken offsite to other licenced waste management facilities for further recycling and reuse.