

## The Growth of Deerdykes

### Where green ideas take root

In 2005 the Deerdykes site was recycled from a redundant Waste Water Treatment Works into a green waste and wood composting facility. Over 120,000 tonnes of green waste from Local Authority collections has since been recycled at the site into a saleable product – *pod* soil improver.

Following the enormous success of its garden waste recycling, enclosed (in-vessel) composting tunnels were then added to allow food waste to be composted on site and in December 2008, the site began recycling food waste.

### An alternative to landfill

The Scottish Government has set targets of an overall recycling and composting level of 70% and a maximum of 5% of all waste going to landfill by 2025.

Horizons Environment is helping Local Authorities to meet their recycling targets by processing garden and food waste from household collections. Deerdykes also accepts waste from a number of food manufacturers, supermarkets and other commercial food waste producers, offering an alternative and sustainable solution to landfill.





## Generating energy from food waste

In 2010 construction of a fully-enclosed anaerobic digestion facility was completed at Deerdykes. This not only allows additional organic waste to be diverted from landfill, but also captures the energy produced during the natural break down of the waste and converts it into usable green electricity and heat.

The anaerobic digestion facility can process a total of 30,000 tonnes of waste per annum and can generate 8,000 megawatt hours of power each year, which is enough electricity to power up to 2,000 homes.

## On the Horizon

Always looking to the future, Horizons Environment has planning permission for two additional anaerobic digestion facilities at Johnstone, where it operates a garden waste composting facility, and at Prestwick at a redundant Scottish Water depot.

## Contact us

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