



Carbon reduction

At Sigma, we strive to monitor and lower our carbon footprint with a variety of ways, including,

- **Persistently auditing your sites to ensure each site has received the correct amount of service applicable for its requirements.**
- **Identify all waste improvement opportunities and site specific issues.**
- **Use the data from audits to:**
 1. Optimise containers and services.
 2. Minimise general waste output.
 3. Savings realised upon implementation of improvements.

We are committed to placing your waste with partners who:

1. Operate greener Euro 6 Compliant wagons.
2. Have true Materials Recovery Facilities
3. Balance their carbon output in the UK

Waste to energy facilities do result in carbon emissions. In fact, for every 1 tonne of waste which is sent through waste to energy facilities, between 0.7 and 1.2 tonnes of Co2 enters our atmosphere the same day. Whilst this is preferable to methane produced in landfills, it still has an impact.

That's why we intend to place your waste with an alternative provider that will stay ahead of clean air UK regulations, balance their carbon using UK schemes. Most importantly they will process your waste properly as follows:

- **General Waste** - Recoverability for FEL work: 50% recycled / 50% waste to energy.
- **Dry Mixed Recycling** - Recoverability FEL or container work: 75% recycling / 25% waste to energy
- **Carbon reduction idea** - We would recommend introducing some more segregation at source of recycling as this would result in a 25% reduction in Co2 emissions generated from your Waste to Energy bound residual general waste.

OUR WASTE PARTNERS HELP UK NET ZERO CARBON BY SUPPORTING THE UK TREE PLANTING PROGRAMME.

Carbon conscious, we work with local waste partners that offer commercial waste collections with a recycling focus nationwide, our waste partners have continued their ongoing pledge to sustainability in supporting Forest Carbon's programme of planting new native woodland in the UK, at a project in the Lake District.

As part of their commitment to providing a sustainable waste management solution to businesses, our waste partners have invested heavily in energy efficient vehicles as well as technology to ensure route planning of collections are as efficient as possible, resulting in lower carbon output year on year proportionately.

Through supporting a UK-based tree planting programme, run by Forest Carbon, our waste partners enabled the capture of 1742 tonnes of CO₂ to address its footprint for the year.

Mitigating Our Carbon Footprint

In 2018 our waste partners joined forces with Forest Carbon, accredited by the Woodland Carbon Code to grow forestation on 13.5 acres of land dedicated to our Waste partner. This planting scheme saw over 7,500 trees planted which, once mature, will offset 2,125 tonnes of carbon emissions.

The project is based Northwest woodland at The Gangway, Penrith, Cumbria.

Latest figures from forest carbon

