



- #### Energy recovery facilities across the UK
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| 1 Shetland Islands | 36 Hartlebury, Worcestershire |
| 2 Aberdeen | 37 Tyesley, Birmingham |
| 3 Dundee | 38 Atherstone, Warwickshire |
| 4 Dunbar, East Lothian | 39 Coventry |
| 5 Edinburgh | 40 Peterborough |
| 6 Falkirk | 41 Great Blakenham, Suffolk |
| 7 Lanark, South Lanarkshire | 42 Rookery South, Bedfordshire |
| 8 Glasgow | 43 Milton Keynes |
| 9 Belfast | 44 Calvert, Buckinghamshire |
| 10 Douglas, Isle of Man | 45 Ardley, Oxfordshire |
| 11 Billingham, Teesside | 46 Haresfield, Gloucestershire |
| 12 Stockton, Teesside | 47 Avonmouth |
| 13 Redcar | 48 Avonmouth |
| 14 Knaresborough, North Yorkshire | 49 Avonmouth |
| 15 Leeds | 50 Cardiff |
| 16 Knottingley, West Yorkshire | 51 Swansea |
| 17 Knottingley, West Yorkshire | 52 Edmonton, North London |
| 18 Hull | 53 Slough, Berkshire |
| 19 Grimsby, North Lincolnshire | 54 Shepperton, Surrey |
| 20 Huddersfield | 55 Sutton, South London |
| 21 Bolton | 56 Lewisham, South East London |
| 22 Eastham, Merseyside | 57 Belvedere, South East London |
| 23 Runcorn, Cheshire | 58 Sittingbourne, Kent |
| 24 Deeside, North Wales | 59 Maidstone, Kent |
| 25 Ellesmere Port, Cheshire | 60 Basingstoke, Hampshire |
| 26 Northwich, Cheshire | 61 Newhaven, East Sussex |
| 27 Sheffield | 62 Lancing, West Sussex |
| 28 Lincoln | 63 Portsmouth, Hampshire |
| 29 Nottingham | 64 Newport, Isle of Wight |
| 30 Derby | 65 Southampton, Hampshire |
| 31 Stoke on Trent | 66 Bridgwater, Somerset |
| 32 Shrewsbury | 67 Exeter, Devon |
| 33 Cannock, West Midlands | 68 Plymouth, Devon |
| 34 Wolverhampton | 69 St Dennis, Cornwall |
| 35 Dudley | 70 St Helier, Jersey |

Energy Recovery Facilities across the UK (Click image to enlarge)

An Assessment of Need

The Scottish Government ban on landfilling comes into force in December 2025. This has been put back from the original date of January 2021, due to a lack of waste treatment infrastructure within Scotland.

The landfill ban is required to prevent biodegradable municipal waste being landfilled; as waste breaks down it releases greenhouse gases such as methane into the atmosphere which is about 28 times more potent than carbon dioxide. The landfill ban also has significant indirect benefits too as it encourages non-recyclable waste to become a resource by using it as a fuel to generate energy in the form of electricity and heat.

The construction and operation of energy recovery facilities in Glasgow, Edinburgh and Dunbar has already shown a significant increase in the amount of waste diverted from landfill, yet in 2019 1.4m tonnes of waste was landfilled in Scotland.

Further waste infrastructure is required to ensure that the delayed landfill date can be achieved, if not, this will result in a missed opportunity to reduce the carbon emissions associated with waste disposal and the transportation of waste. Due to the sophisticated nature of an ERF, the construction programme will take up to three years. This is a major driver for bringing the planning application forward at this time.

For every tonne of waste that is landfilled, instead of being treated through an ERF, a further 200kg CO₂e is emitted. Viridor's ERF fleet is already avoiding emissions of 900,000 tonnes of CO₂e per year and we are keen to offset even more.

From your bin to our ERF

In accordance with the Waste (Scottish) Regulations 2012, the ERF is designed to treat non-recyclable waste, as the recyclable materials will have already been removed, either by kerbside recycling by the householder or via pre-treatment at other licenced waste management facilities, before arriving at Overwood ERF.

Within the waste industry, energy recovery goes hand in hand with high quality recycling, paving the way for a transition to a circular economy. Energy recovery provides well-regulated and essential waste treatment for the residual materials, where recycling is not appropriate.

At this stage, we expect non-recyclable waste to be received from within South Lanarkshire and the surrounding Local Authority Areas such as North Lanarkshire, Ayrshire, East and West Dunbartonshire, Dumfries & Galloway, East Renfrewshire and Glasgow City.