

How green is your transport?

Using barges reduces pollution and congestion and is a more efficient use of fuel.

Barges are very suitable for recyclables and waste.



- A **500 tonne barge** can replace **25 lorries carrying 20 tonnes**, leading to labour savings per tonne
- Transport by water can be cheaper than transport by road as moving goods by water can be more fuel efficient, leading to CO2 emissions that can be only **25% level of road transport***
- Even if lorry pollution is solved, road congestion will remain

Barges can take:

- Residual waste left after sorting out recyclables (RDF), put in containers
- RDF bales – 4m tonnes exported in 2016 by various transport modes
- Power station bottom ash
- Scrap metal
- Construction waste
- Waste liquids

*The Tyndall Centre for Climate Change.



Construction Waste:

how barges improve site management

Construction waste is a common barge traffic. Barges lie alongside waterside construction sites and are loaded when it suits the site management, not when lorry drivers dictate.

Barge loads can vary from 1,500 tones or more, down to 80 tonnes.

Barges are being used to take away spoil from the London Super Sewer and the Underground's Northern Line Extension.

Barges are also used by astute construction managers to bring in certain construction materials



Waste taken quietly through the middle of London



These barges, operated by CBOA Member Cory Energy...

- Take **750,000 tonnes** pa of RDF waste from central London to their north Kent energy from waste plant
- Then take **200,000 tonnes** pa of ash from the plant to Tilbury to make concrete
- Taking **100,000** lorry journeys a year off London's over congested roads
- Reduce the carbon footprint

Cory Energy operates:

5 tugs • More than 50 barges • Over 1,500 purpose built containers

When you think of a new waste plant, why not “Think Water?”



Scrap Metals

Much scrap metal is exported for recycling. Groveport at Guinness on the River Trent, near Scunthorpe, is used for this. This inland waterway port is some 50 miles inland from the North Sea.

CBOA members are currently investigating moving scrap from an inland industrial site to ports.

Examples Abroad



Roll-off containers being loaded onto a flat bed barge in Belgium

Want to know more? Then contact the CBOA.

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freight by water
Commercial Boat Operators Association