

Waste Group Biffa Visit

Thursday October 26th

Why we are going

To understand what happens to recycling waste and what needs to be done to increase recycling rates.

The recycling rate in NLWA is 29% and in Barnet is 26%

The London target is 65% by 2030

We don't recycle enough and not all of what we put in our bins is recycled



Visit details

Thursday October 26

Itinerary -1st floor Boardroom.

12:50hrs Site induction and PPE.

MRF Tour is 13:00hrs prompt.

13:45hrs de-brief.

Biffa North London, Unit 2, Aztec 406, 12 Ardra Rd, London N9 0BD.

Please read the visitor instructions

Biffa MRF

The visit is to a Materials Recycling Facility (MRF) run by Biffa (on behalf of the North London Waste Authority who manage waste for 7 boroughs).

The MRF handles Dry Mixed Recycling - what we put in our recycling bins.

Watch [this](#) to see what we are going to see
(click on [this](#) not the image)



North London Waste Briefing



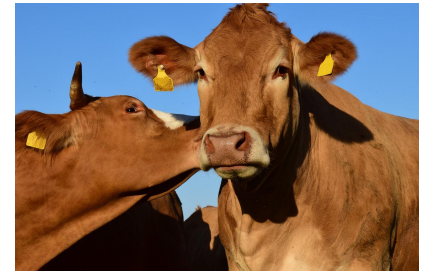
Local Authority Collected Waste

Our waste is:

- collected from household bins, refuse centres, streets and parks
- reused, recycled, composted, or disposed of (turned into energy or put into landfill)

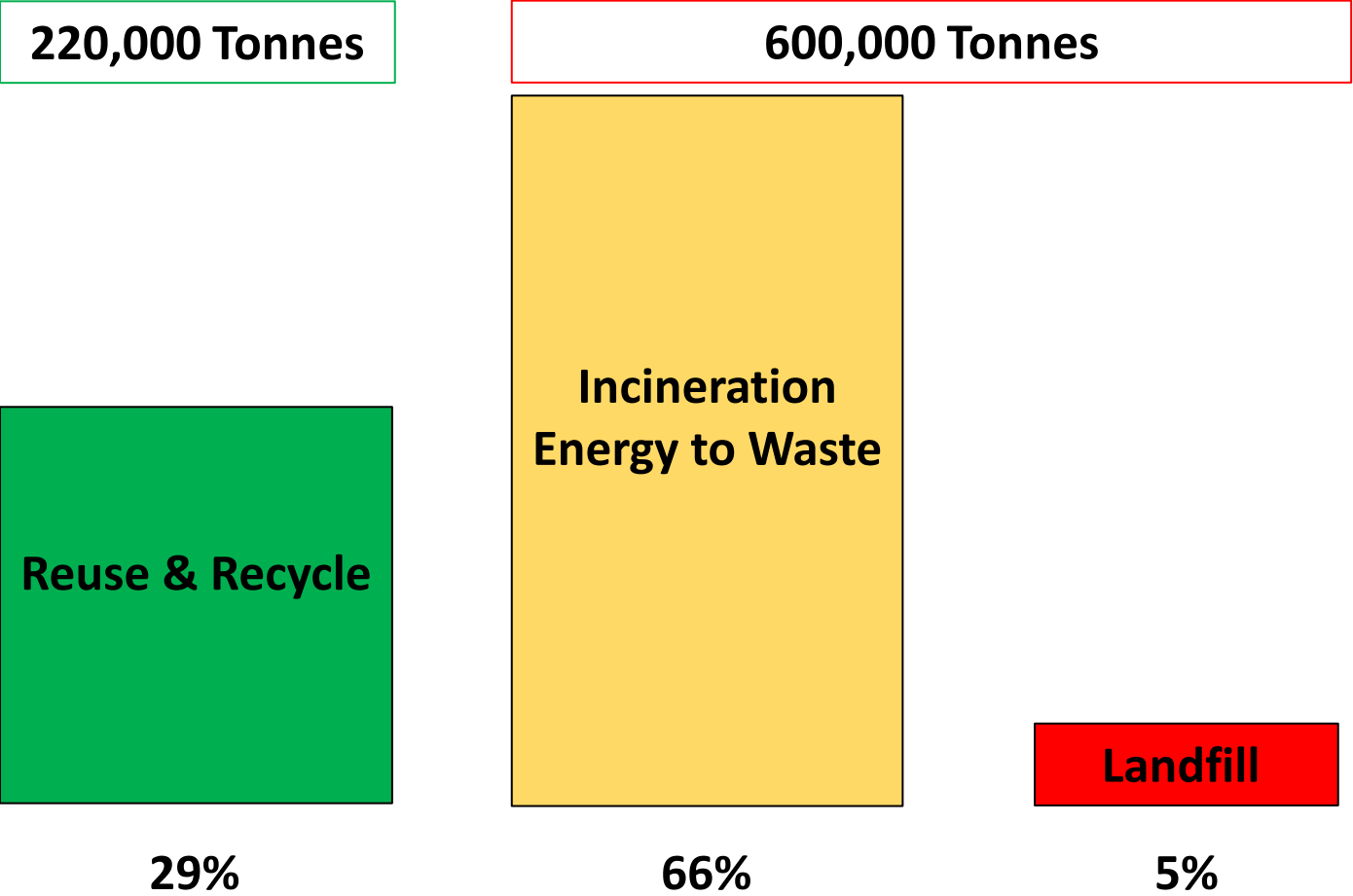
North London annual waste is equivalent to the weight of around 820,000 female cows*

600,000 cow equivalents are incinerated or put in landfill



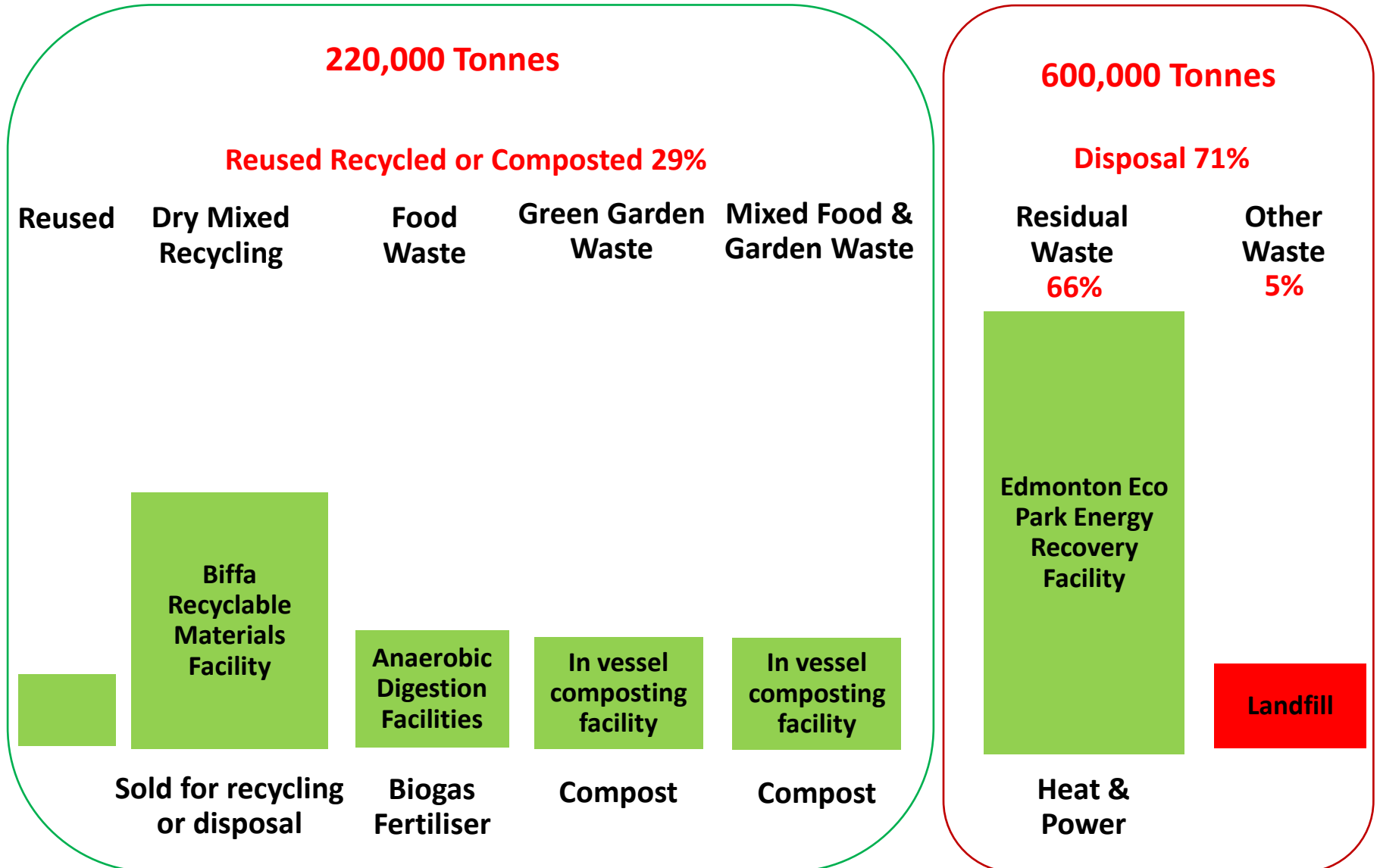
* A female cow weighing 1 tonne

71% of NLWA waste is disposed of by incineration and landfill



London Target is 65% reuse & recycle by 2030

NLWA Waste – different sources and outcomes



Biffa handles what we put in our recycling bins

220,000 Tonnes for recycling

Reused Recycled or Composted 29%

Reused
Dry Mixed Recycling
Food Waste
Green Garden Waste
Mixed Food & Garden Waste

115,000 Tonnes

Biffa
Recyclable
Materials
Facility

Sent for
processing or
disposal

Anaerobic
Digestion
Facilities

Biogas
Fertiliser

In vessel
composting
facility

Compost

In vessel
composting
facility

Compost

600,000 Tonnes for disposal

Disposal 71%

Residual
Waste
Other
Waste

66%

5%

Edmonton Eco
Park Energy
Recovery
Facility

Heat &
Power

Landfill

Dry Mixed Recycling – 71% paper, card and glass

DMR composition 2022-23

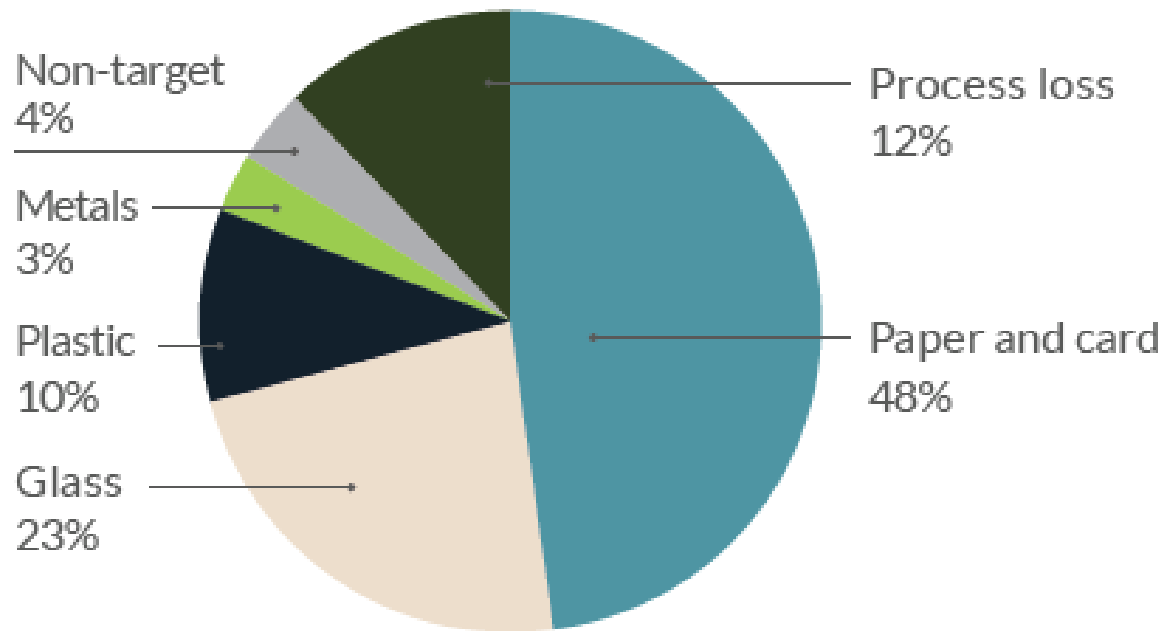
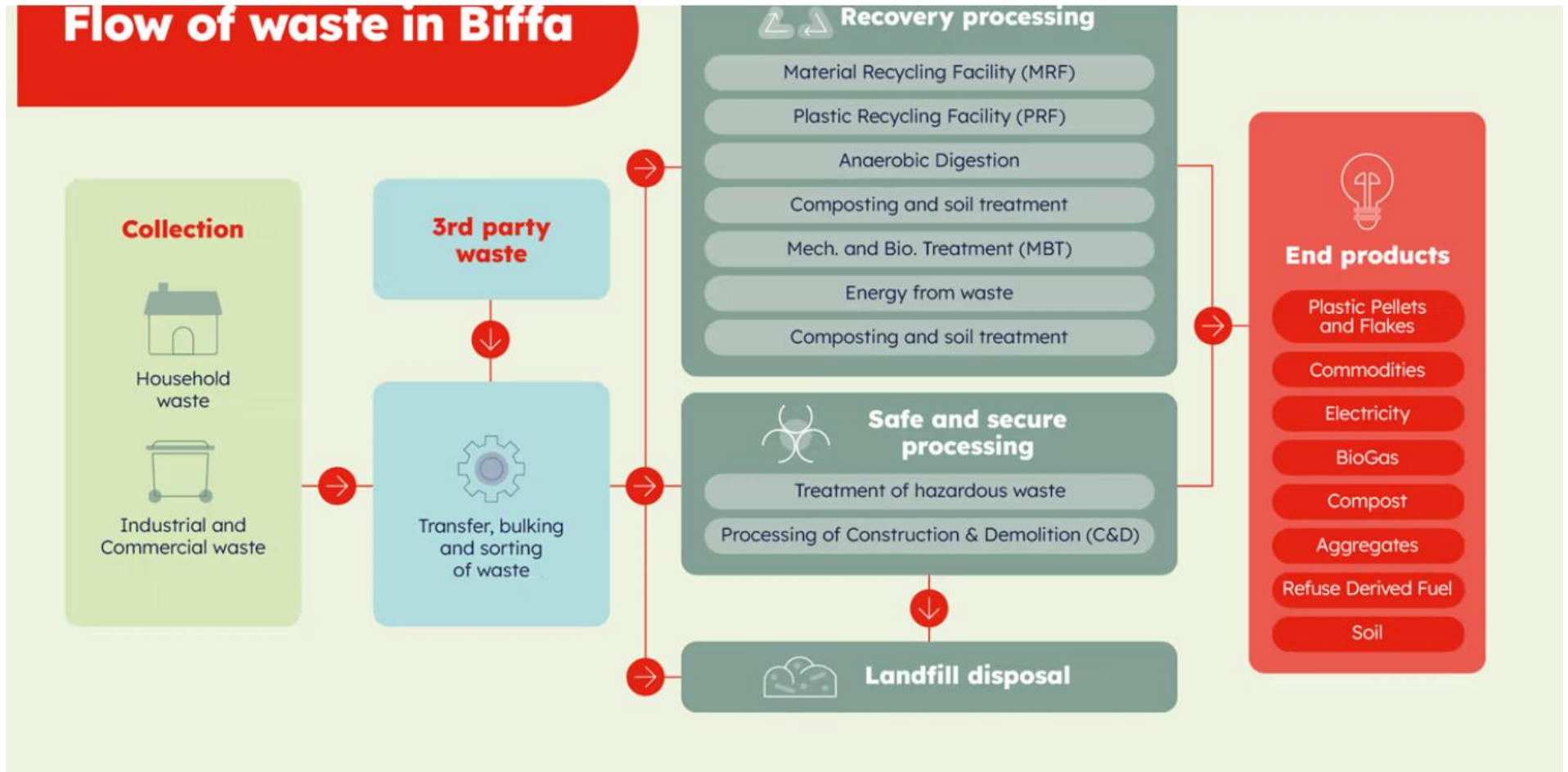


















Figure 1: The composition of dry mixed recycling collected in 2022-23















Biffa MRF process flow



Recyclable waste is then sent to many different places for processing

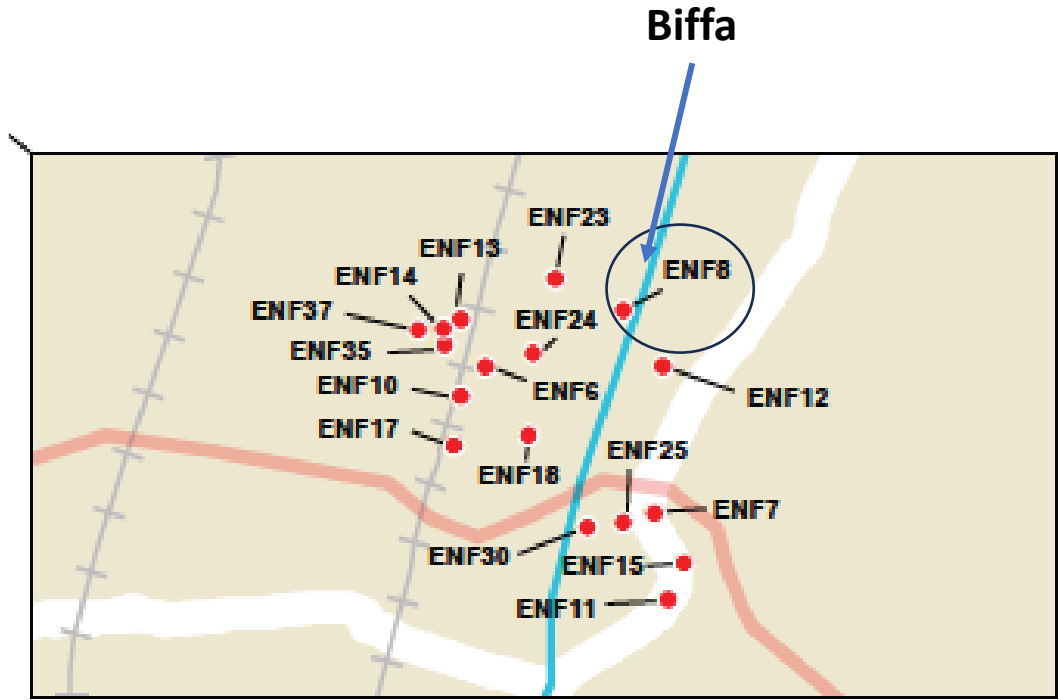
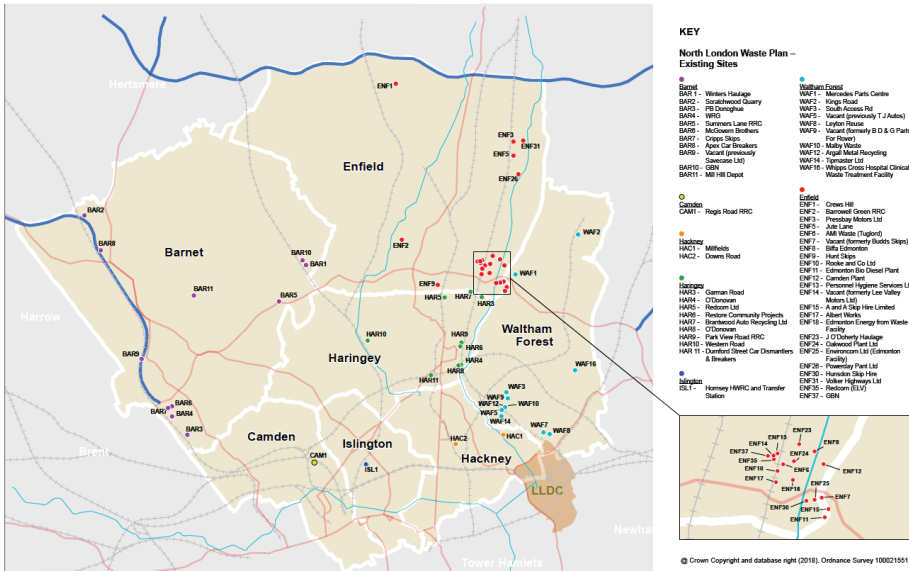
Recycling Destinations

 <p>Cans and Tins</p> <p>READ MORE →</p>	 <p>Car Batteries</p> <p>READ MORE →</p>	 <p>Card</p> <p>READ MORE →</p>	 <p>Cooking oil</p> <p>READ MORE →</p>
 <p>Food waste</p> <p>READ MORE →</p>	 <p>Furniture</p> <p>READ MORE →</p>	 <p>Garden waste</p> <p>READ MORE →</p>	 <p>Gas Cylinders</p> <p>READ MORE →</p>
 <p>Glass bottles and jars</p> <p>READ MORE →</p>	 <p>Green Waste</p> <p>READ MORE →</p>	 <p>Hardcore</p> <p>READ MORE →</p>	 <p>Household batteries</p> <p>READ MORE →</p>
 <p>Large electrical appliances</p> <p>READ MORE →</p>	 <p>Lightbulbs</p> <p>READ MORE →</p>	 <p>Metal</p> <p>READ MORE →</p>	 <p>Mixed food and garden waste</p> <p>READ MORE →</p>

 <p>Large electrical appliances</p> <p>READ MORE →</p>	 <p>Lightbulbs</p> <p>READ MORE →</p>	 <p>Metal</p> <p>READ MORE →</p>	 <p>Mixed food and garden waste</p> <p>READ MORE →</p>
 <p>Paint</p> <p>READ MORE →</p>	 <p>Paper</p> <p>READ MORE →</p>	 <p>Plasterboard</p> <p>READ MORE →</p>	 <p>Plastic bottles, pots, tubs and trays</p> <p>READ MORE →</p>
 <p>Small electrical appliances</p> <p>READ MORE →</p>	 <p>Steel</p> <p>READ MORE →</p>	 <p>Textiles</p> <p>READ MORE →</p>	 <p>TVs and monitors</p> <p>READ MORE →</p>
 <p>Tyres</p> <p>READ MORE →</p>	 <p>Wood</p> <p>READ MORE →</p>		

The Biffa site is close to other waste management sites

Many sites are in the east of North London being close to 16 other sites in a small area of Enfield.



Further waste info

North London Waste Authority

7 boroughs, 2 million residents, 60% live in flats

Recycling rate 29%.

Handles 820,000 tonnes of waste per year – 600,000 of which is for disposal, 220,000 tonnes for recycling.

For comparison a female cow can weigh a tonne.

Biffa

Biffa handles around 115,000 of dry mixed recyclable waste from the 6 boroughs (not Enfield).

Barnet

389,000 residents, 153,000 households, 50% live in flats.

Barnet recycling rate 2021/22 - 26.1%

London Mayor recycling target is 65% by 2030

In 2021-22, 8.3% of the 46,876 tonnes of household waste sent for recycling was rejected