



# Recycling Plastics in Ryedale

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27 May 2021

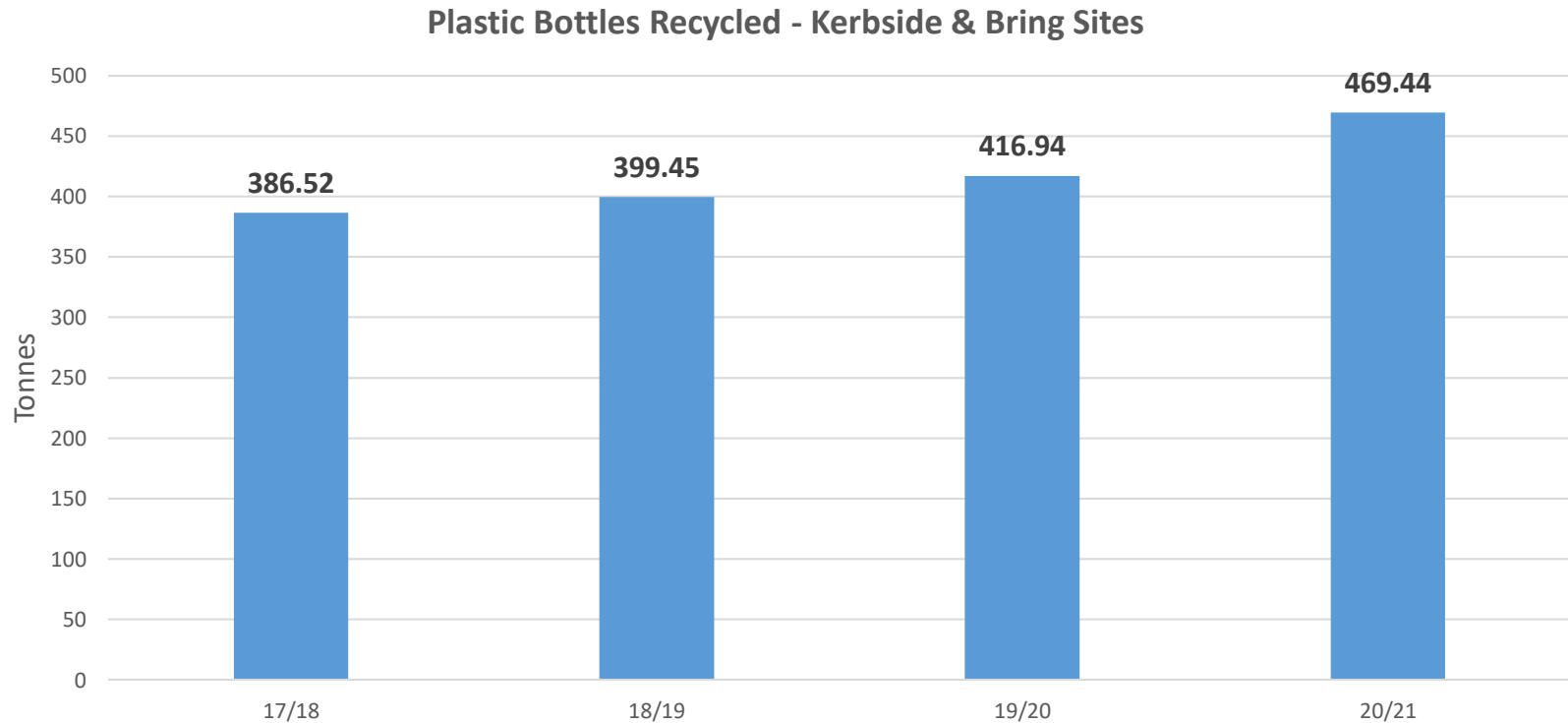


# Recycling in Ryedale

- Kerbside Dry Recycling – 3 streams - using boxes
  - Plastic bottles, Tins, Cans & Aerosols
  - Paper & Card
  - Glass bottles & jars
- Separate Chargeable Kerbside Garden Waste Service – brown bin
- Mini recycling centres/Bring Sites – textiles, foil, beverage cartons & paper cups – car parks & village halls – Ryedale DC
- Household Waste Recycling Centres – hard plastics - North Yorks CC
- Supermarkets – batteries & plastic film & bags
- Community led recycling - <https://www.terracycle.com/en-GB/>



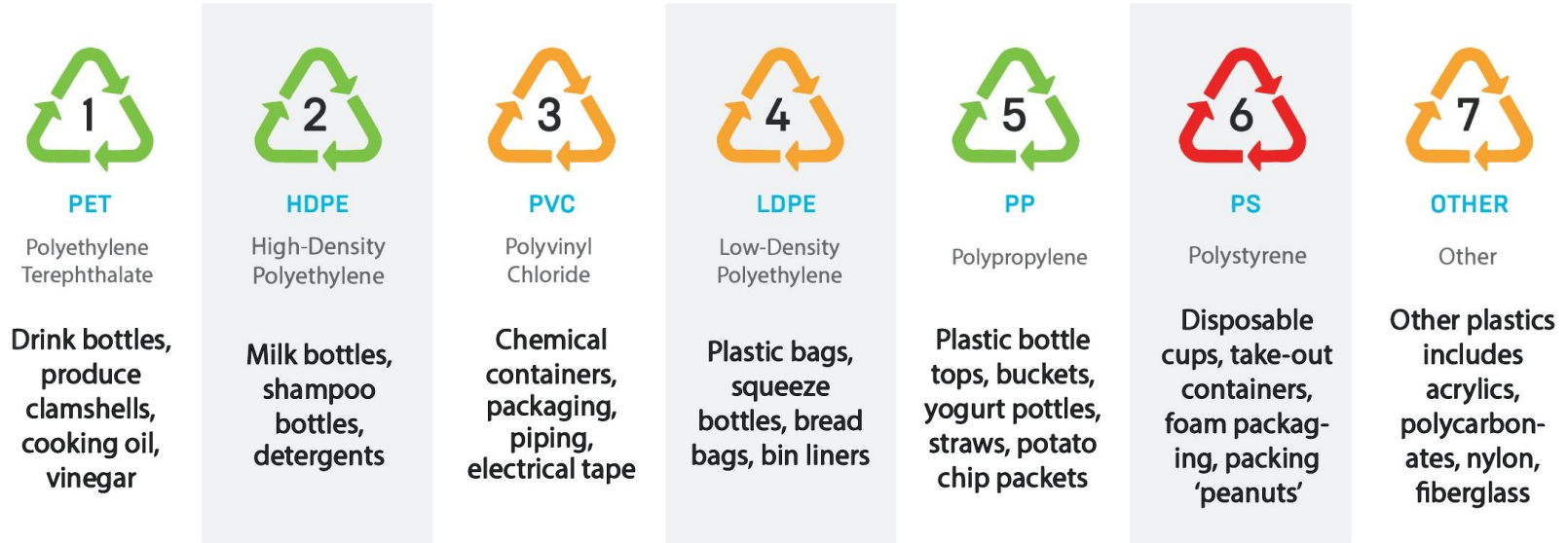
# Plastic Bottles Recycled



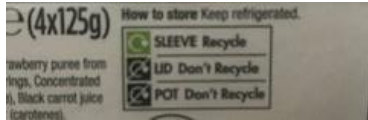
# Plastics

- Plastic bottles collected at kerbside type PET & HDPE
- A high quality product - in demand by reprocessors – ready market

There are a number of different types of plastics. Plastic bottles are usually either a type 1 or 2 plastic



# Why not plastic pots and trays?



Pack of 4 yogurts  
No plastic type



Pack of 4 yogurts  
No plastic type



Potato salad pot  
PET - 1



Individual  
yogurt pot  
PP - 5

- More difficult to separate – no facility in North Yorkshire
- Mixing other types of plastic reduces the quality of the product making it harder to sell on and impacting on the income which contributes to the cost of collection – keeps the plastic bottles in the UK
- Recycling collection vehicles almost at full capacity



# What happens to the plastic bottles collected?

- Plastic bottles & Cans collected at kerbside
  - Kirby Misperton Waste Transfer Station (Yorwaste) bulk transfer to
  - Harewood Whin Materials Reclamation Facility (York) (Yorwaste) – plastic bottles separated from cans
  - Plastic bottles are then sold to reprocessors based in the UK as mixed grade plastics for recycling
  - They will then sort into the different grades of plastic bottles – sorted using NIR (Near Infra Red) technology they will segregate the different types of plastics. These are then granulated, washed and pelletized – PET reused to produce new drinks bottles, food packaging, fleece & polyester - HDPE – plastic bottles, drain pipes
  - <https://www.youtube.com/watch?v=BIHQgIRHsMA>



## Plastic pots

What about plastic pots placed in the rubbish bin?

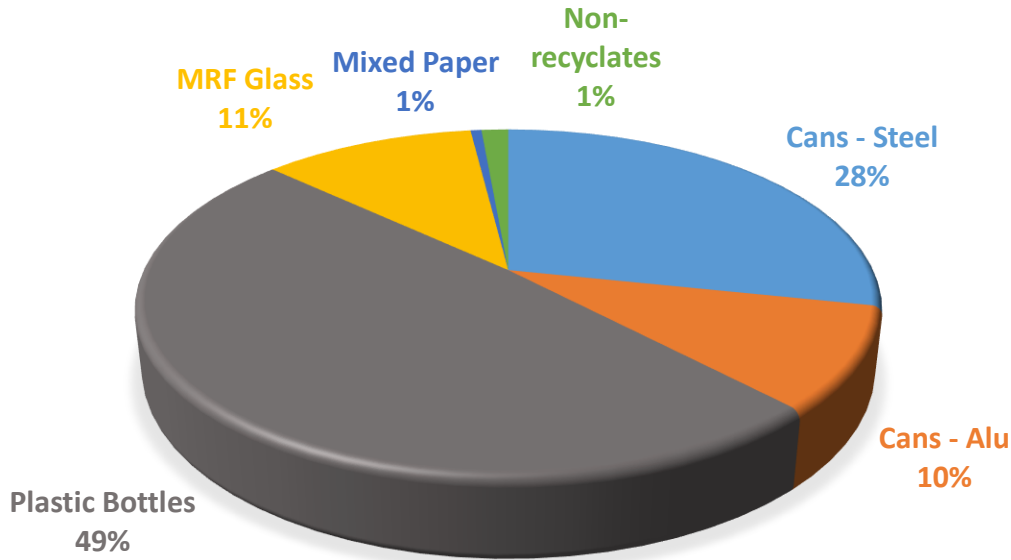
- Black/green bin waste is taken to Allerton Park Energy from Waste Recovery Plant
- Recyclable plastic & metal are removed but is of a lower grade quality due to contamination
- Majority of food waste is washed away to be anaerobically digested to produce biogas
- Remaining waste is used to produce energy through incineration
- Residual ash is used for aggregate in the construction industry

<https://wasteservices.amey.co.uk/where-we-work/north-yorkshire/>



# Contamination

Contamination is generally very low



PLASTIC BOTTLES & CANS - MARCH 2021

## Residual Waste Composition Survey

Between 1.3% (Rural) and 3.6% (Town) of residual waste was made up of plastic bottles





# Hard Plastics

- Examples - Plastic garden tables and chairs, Water butts and watering cans, Washing up bowls Plastic buckets, plant pots & troughs, plastic boxes/filing trays and childrens toys (no metal) such as wendy houses, hard plastic balls
- Cannot accept food packaging, plastic paint pots or hosepipes in this container
- Collected on some HWRCs including Thornton-le-Dale and Seamer Carr
- Delivered to a reprocessor within North Yorkshire
- [High quality recycling - Van Werven Plastic Recycling \(recyclingplastics.co.uk\)](http://recyclingplastics.co.uk)
- Processed into polymer flakes/pellets
- End products include garden furniture, window frames



# Future Plans

- Improve and refurbish mini recycling centres
- Awareness campaigns to promote recycling and waste minimisation
- Launch of new website – improve recycling information

## Government Consultations

### **Consistency in Household & Business recycling** in England – closes 4 July 2021

- Consistent materials collected - plastic trays & pots, foil, plastic films & bags
- Separate weekly food waste collections
- Free minimum standard garden waste collections
- Implementation 2023/24 - plastic films & bags later

<https://www.gov.uk/government/consultations/consistency-in-household-and-business-recycling-in-england>

Packaging (incl. plastics) -**Extended Producer Responsibility (EPR) from 2023**– industry to pay for the collection and cost of recycling packaging materials - clearer & consistent labelling - closes 4 June 2021

<https://consult.defra.gov.uk/extended-producer-responsibility/extended-producer-responsibility-for-packaging/>



# Future Plans

- **Deposit Return Scheme** – reduce littering and boost recycling levels - drink containers - retailers reverse vending machines - on the go or all in? - clearer labelling <https://consult.defra.gov.uk/environment/consultation-on-introducing-a-drs/> Closes 4 June 2021
- **Waste Prevention Programme**  
<https://consult.defra.gov.uk/waste-and-recycling/waste-prevention-programme-for-england-2021/> Closes 10 June 2021
- **Plastic Packaging Tax** – on plastic packaging with less than 30% recycled plastic from April 2022  
<https://www.gov.uk/government/publications/introduction-of-plastic-packaging-tax/plastic-packaging-tax>



# How can you help?

- **Reduce** – think about what you buy - the amount of packaging and the amount of waste created – check the labels to see if the packaging is recyclable
- **Reuse** – when you have finished with something can it be reused
  - Give and Take days - Car boot sales -
  - Online – Ebay, Vinted, Gumtree etc
  - Freecycle - <https://www.ilovefreecycle.org/>
  - Freecycle - <http://www.freecycle.org/>
- **Recycle** – wash and squash – materials in the correct box.  
<https://www.recyclenow.com/local-recycling>  
Campaigning for Circular Economy - <https://wrap.org.uk/>

## Hints & Tips

<https://www.northyorks.gov.uk/plastic-recycling>



## Top Ten Tips to try and go plastic free

- Get a refillable bottle.
- Use a reusable cloth shopping bag.
- Carry a reusable flask for hot drinks.
- Say no to plastic straws
- Choose natural fibre clothing,
- Go for washable cloth nappies instead of disposable.
- Swap wet wipes for a flannel and water.
- Milk deliveries.
- Stop buying fizzy drinks in plastic bottles.
- Buy loose fruit and vegetables instead of those wrapped in plastic
- Make beeswax wraps to replace cling film

<https://www.youtube.com/watch?v=WlcPhDmea9U>

<https://myplasticfreelife.com/plasticfreeguide/>



# Thank you and Questions

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