

Resources & Waste Management in County Durham

A Strategic Overview

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Bin it right

nappies	No thanks	Yes please	plastic bottles & tubs
pet waste	food waste	tins, cans & aerosols	paper, cardboard & cartons

Bag before placing in your rubbish bin. Wash, squash and place loose in this bin.

Recycle If in doubt, leave it out **Durham County Council** *Altogether greener*



Why does recycling matter?

For every item we recycle, we are reducing the need to use raw materials, which helps save energy and precious resources. It also saves a quarter of the energy to make a glass bottle from recycled glass, as from new materials.

Metal and glass packaging can be recycled endlessly, without loss of quality. Imagine how much energy you could save!

Every item recycled saves enough energy to power a TV for 1 hour!

Fill your bins before you go to work. Recycling is a national priority. Make it your priority. Recycle right. Recycle often.

All household waste recycling centres accept:

- Household electrical appliances
- Small household appliances
- Small electrical appliances
- Small household appliances
- Small electrical appliances

The materials are sorted and recycled.

Recycling your household waste can help reduce your carbon footprint.

Household waste recycling centres: Please take any other recyclable items, which are not collected at the kerbside, to a household waste recycling centre. Visit www.durham.gov.uk/hwrc to find your nearest centre and what you can recycle and dispose of there.

Recycling Matters

Where do the things you recycle end up?

Here, here and here!



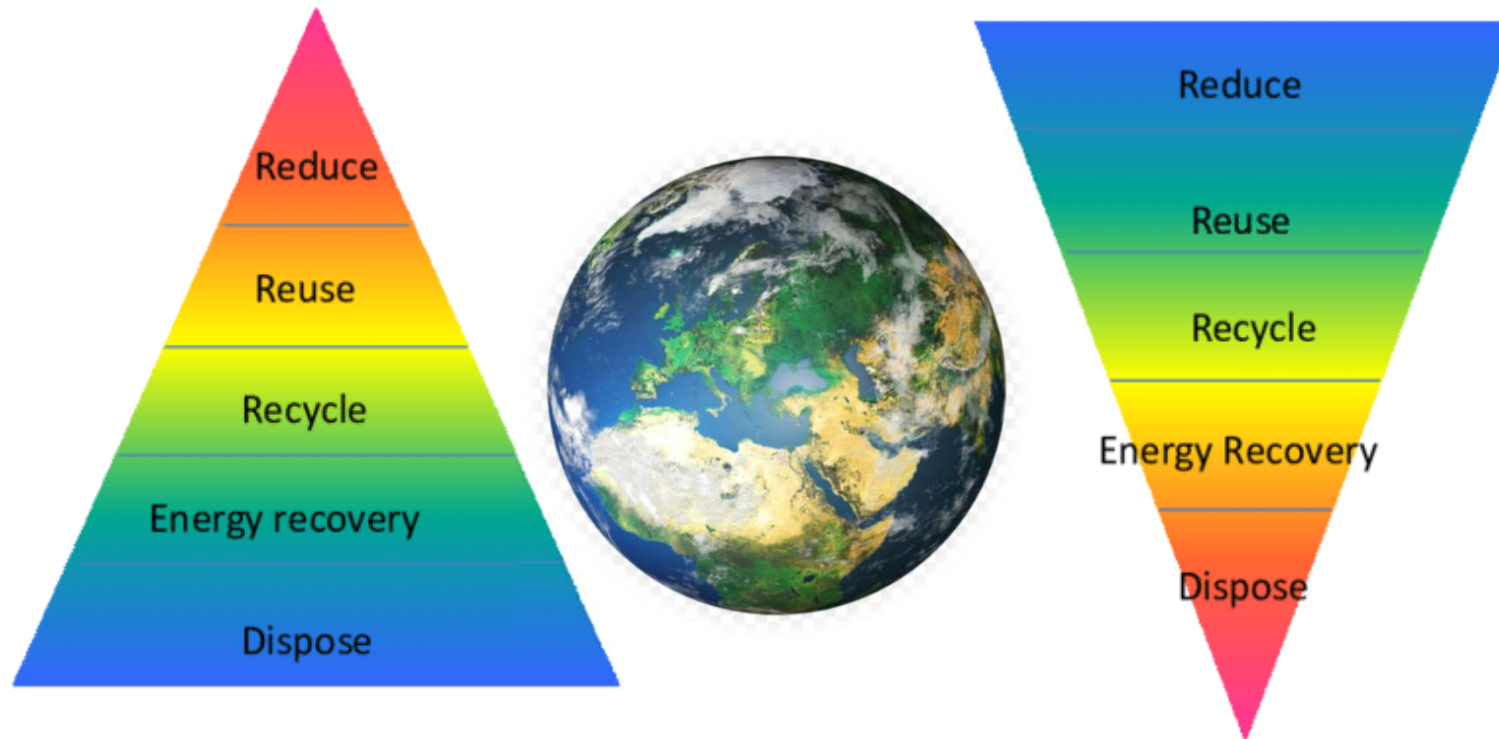
Presentation Outline



- Big picture
- Reduction and reuse
- Recycling and composting
- Waste treatment
- Other waste services
- Impact of Covid
- The last decade
- What the next may bring.



Big Picture: Waste Hierarchy



Wasteful >>>>>>> to >>>>>>>

Wise

Big Picture: A Circular Economy



Big picture: County Durham Operations

Resources

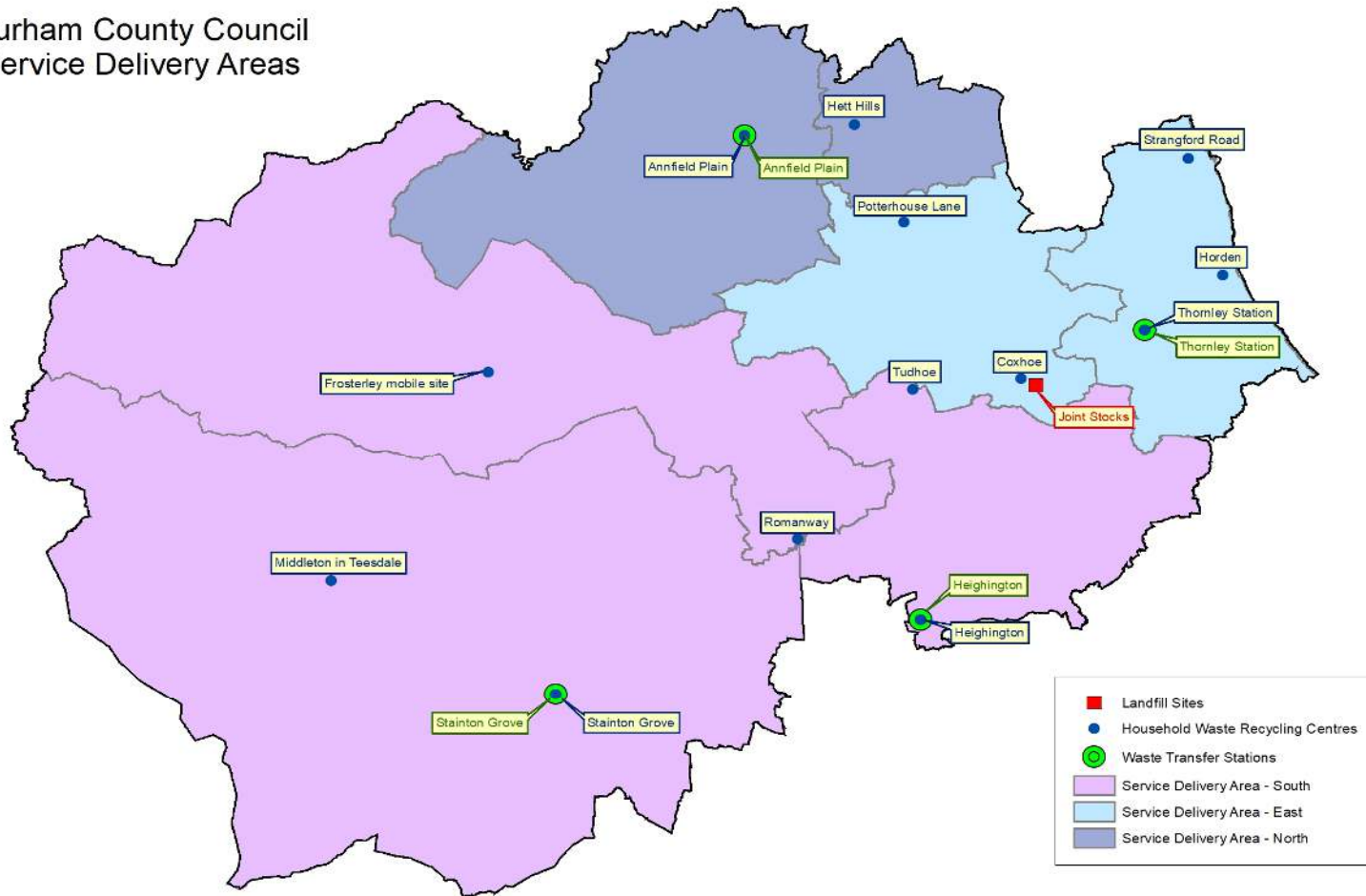
- More than 300 frontline and office staff
- 86 Front line refuse & recycling vehicles
- 12 Household Waste Recycling Centres and 1 mobile HWRC at Frosterley
- 4 Waste Transfer Stations
- 1 new composting facility



Productivity

- 2020/21, County Durham households generated 243,492 tonnes of household waste
- 37.3 % reuse, recycling and composting (2020/21)
- 249,736 bins to be collected every week 99.86% successful per quarter (Alternate Weekly Collection (AWC) scheme)
- Over 2,000 bulky collections carried out every year
- Over 66,000 garden waste subscriptions.

Durham County Council Service Delivery Areas



Waste Reduction Campaigns

Love Food Hate Waste



Smart Shopping



Junk Mail



Real Nappies



Single Use Plastics



Home Composting



Christmas

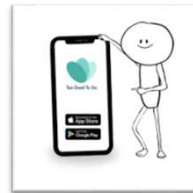


Encouraging Reuse

Green Move Out



Furniture reuse schemes



Community Fridge and Food Apps

Re-Usable Containers



Water Refill Scheme

Stainton Grove Reuse Shop



Plastic Roads

Recycling

What happens to your recycling?



The challenge of contamination

The main contaminants found in recycling bins, in County Durham are:

- **Black bags**
- **Pet waste**
- **Nappies**
- **Food waste**
- **Textiles**



Issues:

Black Bags – items placed in black bags can't be recycled because the collection crews can't see what it is in the bag and it could contain contaminated recycling/ waste. Black bags can not be recycled easily.

Mixed plastics including polystyrene – markets for plastics other than bottles, pots, tubs and trays are limited (e.g. films such as bread bags).

Textiles – cannot be processed at the sorting plant and can damage the sorting equipment.

More but of the right stuff



In your recycling bin, do not bag items in plastic black bags, liners or carrier bags.

Please place all items **loose** into your recycling bin. We must be able to see that the contents of your bin can be collected for recycling.

Extra recycling can be placed in a clear plastic bag next to your recycling bin.

Bin it right

A guide to what you can put in your recycling bin and box

Recycling Bin

Wash and squash plastic bottles and replace lids (except pumps). Metal only lids and caps can also be recycled in your bin.

Place all clean, dry items loose in to your bin. Do not bag!

Recycling Box

No Thanks

Please do not put any of these items in your recycling bin or box

- X Black bags / liners / black plastic
- X Carrier bags / bags for life
- X Food
- X Nappies
- X Clothes / shoes / textiles
- X Plastic bags / wrapping / film
- X Crisp packets / sweet and biscuit wrappers
- X Kitchen roll / tissues / wipes
- X Scrap metal / wood / electricals
- X Batteries / Light bulbs
- X Polystyrene / bubble wrap

Why does recycling matter?

For every item we recycle, we are reducing the need to use raw materials, which helps save energy and precious resources. It only takes a quarter of the energy to make a plastic bottle from recycled plastic, as from new materials.

Metal and glass packaging can be recycled endlessly, without loss of quality. Imagine how much energy you could save!

Every item recycled saves enough energy to run a TV for 4 hours!

Recycling is collected and delivered to a Materials Recycling Facility (MRF) in Washington, Tyne and Wear.

All materials are separated and sorted.

The materials are recycled to make new raw materials.

The new materials are now used in the production of a new product.

Recycled plastic bottles can be made into new bottles, t-shirts and furniture!

The products are back on the shelf as a new bottle or tin can in as little as six weeks.

Recycling Matters

Where do the things you recycle end up?

Here, here and here!

Household waste recycling centres

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03000 36 0000

www.durham.gov.uk

www.durham.gov.uk/recycling

Recycle for County Durham

#RecyclingMatters #BinItRight

In Partnership With **Metal Matters**

Don't delay - recycle today!

recycle for County Durham

Durham County Council

Recycled on 100% recycled paper

Switch on to small electrical recycling and give them a chance to become something new!

Visit www.durham.gov.uk/WEEE

Recycle for County Durham

recycle for County Durham

In partnership with Yelpak, AO.com and County Durham Furniture Help Scheme



Garden Waste 2021

Sign Up Today

Garden waste collections 2021

Collections from the kerbside between **March/April** and **November**.

Fees for 2021
£30.90 existing customers
£35 new customers

To sign up
Go to www.durham.gov.uk/gardenwaste
Call 03000 260 000

Terms and conditions apply.



- Inhouse service began May 2020
- Operating Monday & Saturday collections (during Covid-19)
- Over 66,000 subscriptions
- Over 17,500 tonnes collected p.a.

Teesside Energy from Waste

Energy-from-Waste (EfW) is the process of making energy in the form of electricity and/or heat from the incineration (burning) of waste.



The residual waste is transported by large trucks to the Energy from Waste plant located next to the River Tees at Haverton Hill in Billingham. It is operated by Suez (Waste Management Company) on behalf of a number of councils in the north east region.

96% average landfill diversion rate.
New Multi Council Procurement Post 2025 underway.

Other Collection Services

- Clinical Waste Collection (free)
- Bulky Waste Collections (charged)
- Household Waste Recycling Centres (free)
- “Bring” sites (free)
- Trade Waste Collections (charged)



Safety and Policy

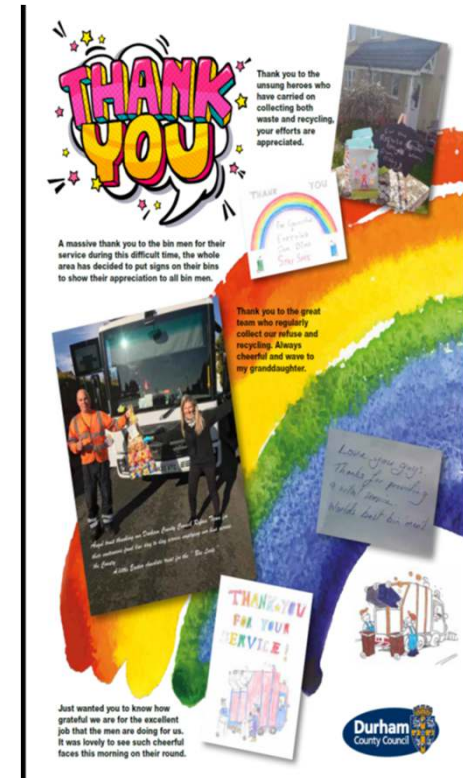


- Assisted collections
- No side waste
- Missed collections
- Putting out receptacles for emptying
- Bin replacements/repair
- Additional residual / recycling bins for larger households
- Enforcement procedures
- Services to charities and community organisations



Impacts of Covid-19

- Refuse and Recycling collections prioritised, extra resources to operate the service (e.g. retained vehicles).
- Redeployed staff from highways and leisure during peak of lockdown.
- Garden waste service initially delayed by 1 month, the service restarted in May 2020 operating on a Monday & Saturday covering the 65,135 collections (5.6% increase)
- Bulky waste collections were stopped for a time, this service was restarted in May 8,344 collections in Q2
- Initial closure of HWRCs - reopened with Covid restrictions and measures in place e.g. increased traffic management on sites
- Majority of front line staff at work, office based working from home.
- Additional costs, associated with maintaining social distancing across services, market uncertainty/furlough for recycle outlets.



Tonnage Impacts of Covid-19

	2019/20	2020/21 (COVID)	% Change
Household Re-use, Recycling & Composting Rate	41.2%	37.3%	-3.90%
*Municipal Waste send to Landfill	2.2%	8.2%	+6.0%
*Municipal Waste (tonnes)	252,017	266,698	+5.8%
Kerbside Residual Waste (tonnes)	108,950	122,657	+13%
Kerbside Garden Waste Collections (tonnes)	15,399	16,574	+7.6%
Kerbside Recycling Collections (tonnes)	45,729	50,668	+10.8%

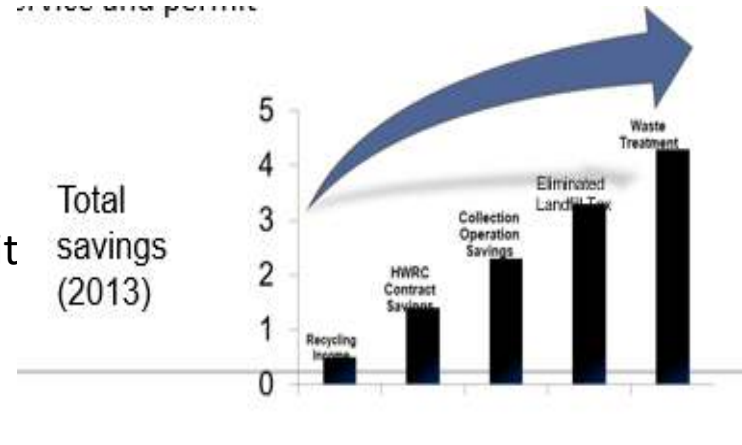
*Municipal Waste includes household and business waste

The last decade:

- Alternate weekly collections (from 7 systems).
- Wind down of Premier Waste Management Ltd
- New recycle and EfW contracts
- Refurbished 4 waste transfer stations
- New HWRC contract and Stainton Grove refurbishment
- Garden waste collections – most urban areas.
- Virtually eliminated waste to landfill
- Easier reporting, self service and permit schemes



costs and permits



Environment Bill

- Published 15th October, 2019 (resource management, water, air pollution, biodiversity and conservation). Section 44-66 covers RAWS.
- Powers are enabling powers that will enable Government through regulations to...
 - Recover costs of managing products at end of life from ‘producers’
 - Establish extended producer responsibility schemes using the new Environment Bill powers and EA95 PRO powers
 - Implement UK-wide regulations where agreed by the Ministers of each nation
 - They also address loss of ECA 2(2) – under which the Batteries, ELV and WEEE producer responsibility regulations are made
- September 8th (initial) and 15th (follow up) – House of Lords readings
- 13th October – 3rd reading.
- Royal assent expected - Autumn



Waste & Resources Strategy for England 2018

Strategy Key Objectives:

- All plastic packaging to be recyclable, reusable or compostable by 2025;
- Work towards eliminating food waste to landfill by 2030;
- Eliminate avoidable plastic waste over the lifetime of 25YEP;
- Double resource productivity by 2050
- Eliminate avoidable waste of all kinds by 2050

Recent Consultations:

- Consistent set of recyclable materials including:
- Extended Producer Responsibility for packaging
- Deposit Return Scheme
- Taxing plastic packaging with less than 30% recycled content

Impacts for Local Authorities:

- Financial implications for consistent collections (food/garden waste)
- EPR & DPS (greater clarity on how this money will be passed to LA's)

65% Recycling rate (MSW)
Municipal Solid Waste by 2035

50% Recycling rate H/H
waste by 2050



Now and next decade?

- Covid 19: Safety and Business Continuity, Monitor HWRCs
- Multi Authority Waste Treatment Procurement Competitive Dialogue stage.
- Future Cost Pressures and savings
- Potential mandatory food waste collections
- Potential mandatory garden waste collections
- An aging workforce
- Lower emission fleet
- Establishing a viable circular economy



ENERGY

24 JULY 2020 by James Langley

North East councils plan £2.1bn EfW project

Seven councils across the North East are joining forces in plans for a 40-year energy from waste (EfW) project potentially worth £2.1 billion.

The Tees Valley facility is proposed for a region where the private sector, notably Suez, already provides EfW facilities – the local authorities see their proposed plant as a “commercial opportunity” to generate income.

Durham county council, Newcastle city council, Middlesbrough and the boroughs of Darlington, Hartlepool, Redcar and Cleveland, and Stockton-on-Tees plan to build an “energy recovery facility” with a 450,000 tonnes per annum capacity.

A 25-acre brownfield site in Redcar and Cleveland which has been earmarked for the proposed Tees Valley facility is currently owned by the South Tees Development Corporation.



The South Tees Development Corporation area, where the Tees Valley Energy Recovery Facility will be built





Any questions?

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