

DEVON AUTHORITIES STRATEGIC WASTE COMMITTEE

19 JUNE 2019

Present:

Councillors D Harvey (Chair), A Davis, G Jung, A Dewhirst, C Mott and C Leather

Apologies:

Councillors N Pearson, M Morey and L Taylor

* **35** Minutes

RESOLVED that the Minutes of the meeting held on 17 October 2018 be signed as a correct copy.

* **36** Items Requiring Urgent Attention

There was no item raised as a matter of urgency.

* **37** Election of Chair and Vice-Chair

RESOLVED that Councillor Harvey and Councillor Davis be elected Chair and Vice-Chair respectively for the ensuing year.

* **38** Announcements

The Chair welcomed Mr Hodgins who was attending the meeting in his capacity as a Co-opted Member of the Council's Standards Committee to observe and monitor compliance with the Council's ethical governance framework.

* **39** Introduction to Devon Authorities Strategic Waste Committee

The Committee received the Report of the Head of Highways, Capital Development and Waste (HIW/19/47) which outlined, for the benefit of new Members, the work and history of the Committee and its operating rules and terms of reference.

The Report highlighted, in particular:-

- that joint working had helped move Devon's recycling rate from 2% to 54% and in 2010/11 Devon was the top recycling county in the country;
- residual waste disposal in Devon had reduced from 292,295 tonnes in 2000/01 to 163,587 tonnes in 2017/18 (down 56%);
- similarly, Torbay's recycling rate had increased to 42.6%, with a reduction in residual waste from 49,570 tonnes in 2003/04 to 34,340 in 2017/18;
- key progress made under the Committee had been the adoption of the 'aligned' waste collection scheme - a weekly collection of food waste, a weekly collection of a range of recycling materials, a fortnightly residual waste collection and charged for garden waste collection;
- the main objective of the Committee for the coming year would be the development of a new Resource and Waste Management Strategy for Devon.

The Report also set out the major projects that the Councils were working together on in part or in full, which included joint procurement of e.g. vehicles, bins and in-cab technology; joint materials contracts; Waste Prevention and Reuse Strategy for Devon County Council; Clean

Devon – Litter and Fly tipping Partnership proposal; and the Waste and recycling advisors' contract.

RESOLVED that an update on the progress of the Clean Devon project be reported to a future Committee meeting.

* **40** **Local Authority Collected Waste - the national and local picture**

The Committee received a presentation from the County Waste Manager which gave an overview of the Government's Resource and Waste Strategy and Waste Management in Devon.

The presentation included information on waste statistics for Devon and Torbay, demand management measures, re-use, recycling, composting and residual waste management. It also highlighted key aspects of the Government Resources and Waste Strategy published in December 2018 and the four subsequent consultations.

The Committee noted the presentation and requested that copies be circulated to Members.

[N.B. a copy of the presentation is attached to these Minutes]

* **41** **Industry view on how the Government's new policy tools need to work collaboratively to deliver successful outcomes**

The Committee received a presentation by Mr S Hayward-Higham, Technical Development Director of SUEZ Recycling and Recovery Ltd, which gave an overview of the Government's Resource and Waste Strategy and tools, including:

- Policy
- Synchronised systems
- Collaborative action/detailing
- EPR Systems and DRS Systems
- Targets
- Recycling
- Collection costs and funding

[N.B. a copy of the presentation is attached to these Minutes]

* **42** **Budget Outturn 2018/19 and Budget Position for 2019/20**

The Committee received the Report of the Chief Officer for Highways, Infrastructure and Waste (HIW/19/48) summarising the 2018/19 budget outturn and the 2019/20 budget position. Key areas of spend in 2018/19 included Reuse Credits, Don't Let Devon go to Waste, and the Waste and Recycling Advisors Contract.

At its meeting on 17 October 2018 the Committee had approved a budget of £182,800 for 2019/20 and approval was now sought for the 2019/20 budget to be increased by £13,259 and for this sum to be allocated from the remaining 2018/19 underspend.

It was **MOVED** by Councillor Leather, **SECONDED** by Councillor Dewhirst and

RESOLVED that the 2018/19 budget outturn be noted and that the revised 2019/20 budget be endorsed.

* **43** **Contracts Position Statement**

The Committee received the Report of the Head of Highways, Capital Development and Waste (HIW/19/47), summarising the joint contracts procured by the Council on behalf of

Devon District Authorities, including the Glass, Paper and Textiles contracts, and the Waste and Recycling Advisors' contract.

It was noted that the joint contracts continued to offer economies of scale and economic benefits to all local authorities using them.

Members however voiced concern at the distance of travel involved to other parts of the UK for the disposal of glass and paper. Officers reported that this was due to the lack of facilities in the South West, where the nearest facility was Avonmouth.

RESOLVED that the Chair of the Devon Authorities Strategic Waste Committee write to Devon MPs and the Government concerning the long-distance travel involved to the nearest reprocessing plants across the UK due to lack of reprocessing facilities in the South West, and the impact this was having on climate change.

* **44** **Forward Plan**

The Committee considered the draft Work Plan for future Committee meetings as follows:

October 2019	Reuse Credits Scheme Budget setting 2020/21 Waste Data/Performance Review 2018/19
February 2020	Government Consultations Part II Progress report Devon Resource & Waste Strategy Clean Devon
June 2020	Draft Devon Resource & Waste Strategy for approval Waste and Recycling Advisors' contract update

The Chief Officer for Development, Infrastructure Development and Waste explained that the previous Strategy was last reviewed in 2013 and it was now considered appropriate to develop a new Strategy. Any Member interested in joining a Strategy Working Group should contact the County Waste Manager directly.

Any other additions to the Work Plan would be welcome.

* **45** **Future Meetings**

The next Committee dates were 17 October 2019 and 19 February 2020.

Future dates for the Committee could be found here:
<https://democracy.devon.gov.uk/ieListMeetings.aspx?CId=294&Year=0>

***DENOTES DELEGATED MATTER WITH POWER TO ACT**

The Meeting started at 2.25 pm and finished at 3.50 pm

Devon Authorities Strategic Waste Committee

Local Authority Collected Waste – the Devon and National picture

Wendy Barratt

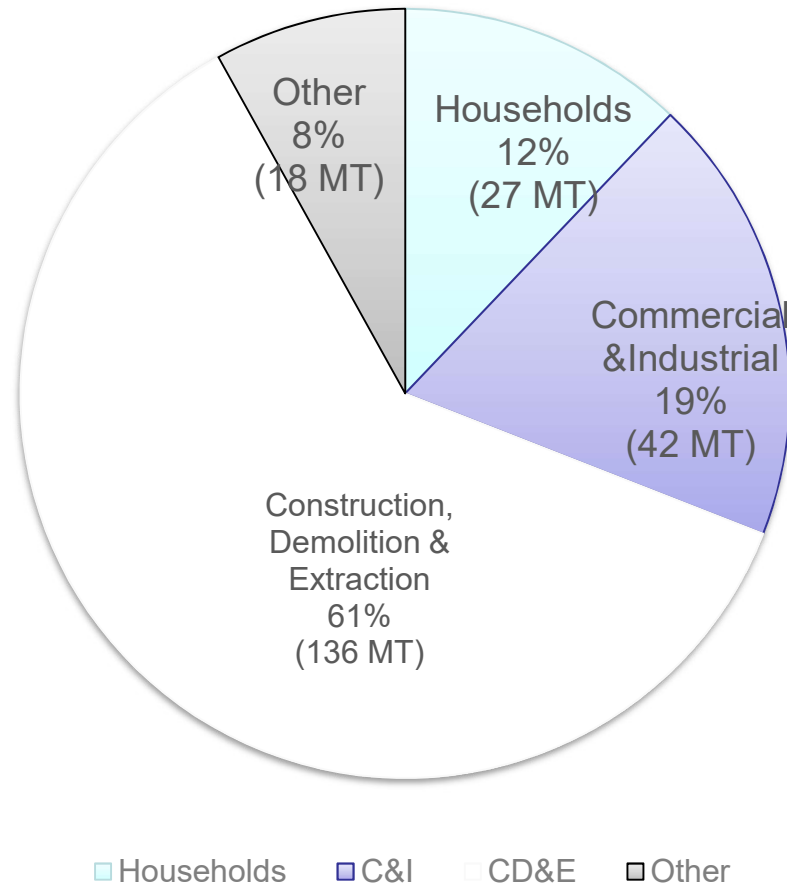
County Waste Manager

Devon County Council

What is Waste?

- Waste is defined in law as something which a holder discards, intends to discard or is required to discard.
- The legal definition of waste in the UK is derived from the EU Waste Framework Directive.
- Even if the substance or article is given to someone else to be reused or recycled, it is still legally considered to be waste if it is no longer required by the person who produced it.

Total UK waste in 2016 (223 Million Tonnes)



What is Local Authority Collected Waste?

- Waste from householders
- Waste from businesses similar to household type waste collected by District Councils & Torbay (Waste Collection Authorities)
- Fly tipped waste on public land
- Street sweepings & litter
- Beach cleansing/municipal parks and gardens



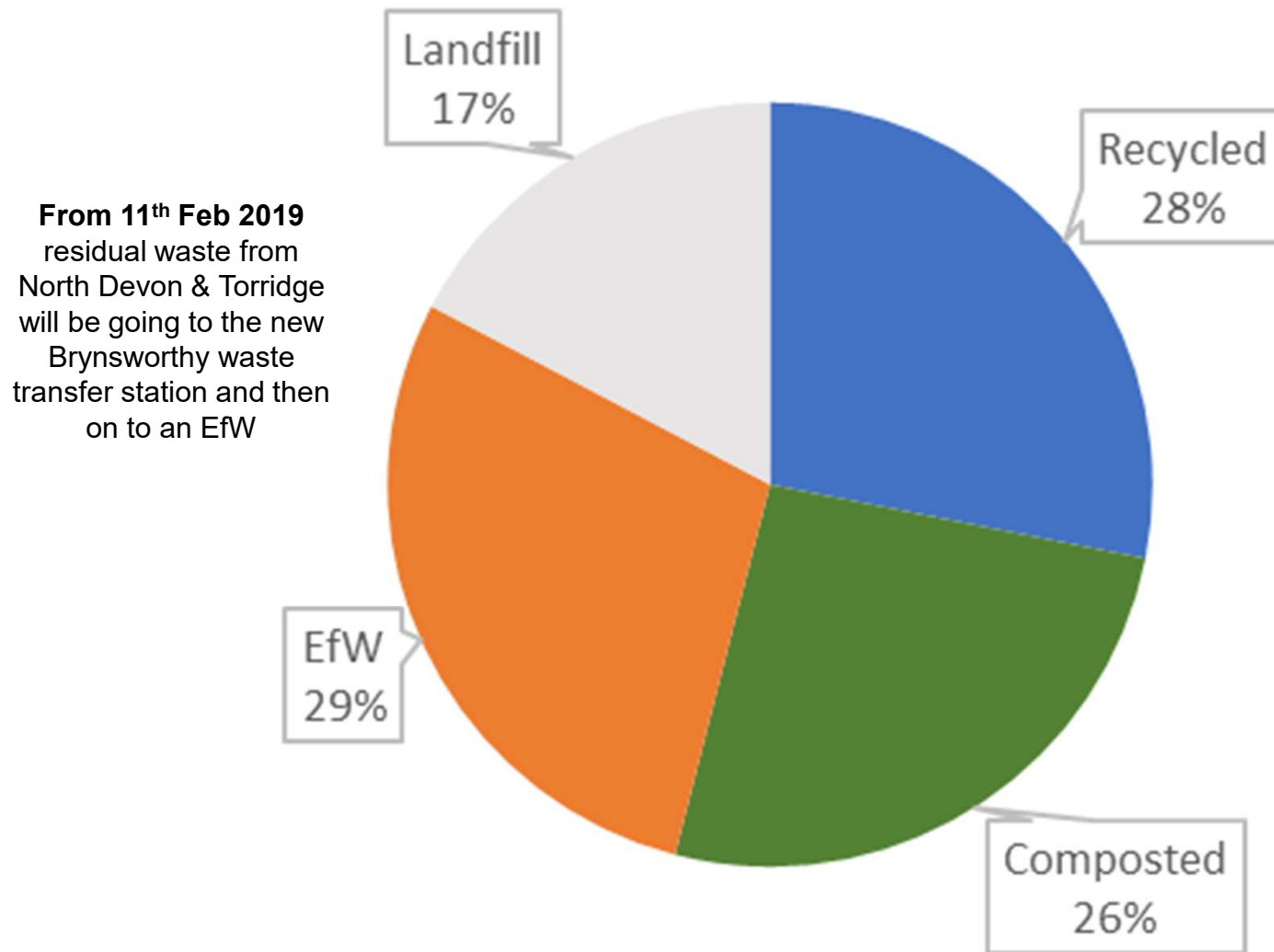
Devon County Council is the Waste Disposal & Planning Authority serving 8 District Councils who are Waste Collection Authorities.

Population	787,171
Households	367,430
LACW (Local Authority Collected Waste)	372,570 tonnes
Recycling rate	54%
Residual waste	175,588 tonnes
Recycling centres	19
Closed landfill sites	58
DCC Waste revenue budget	£38 million (2018/19)
Combined District Authority Budgets	£34m

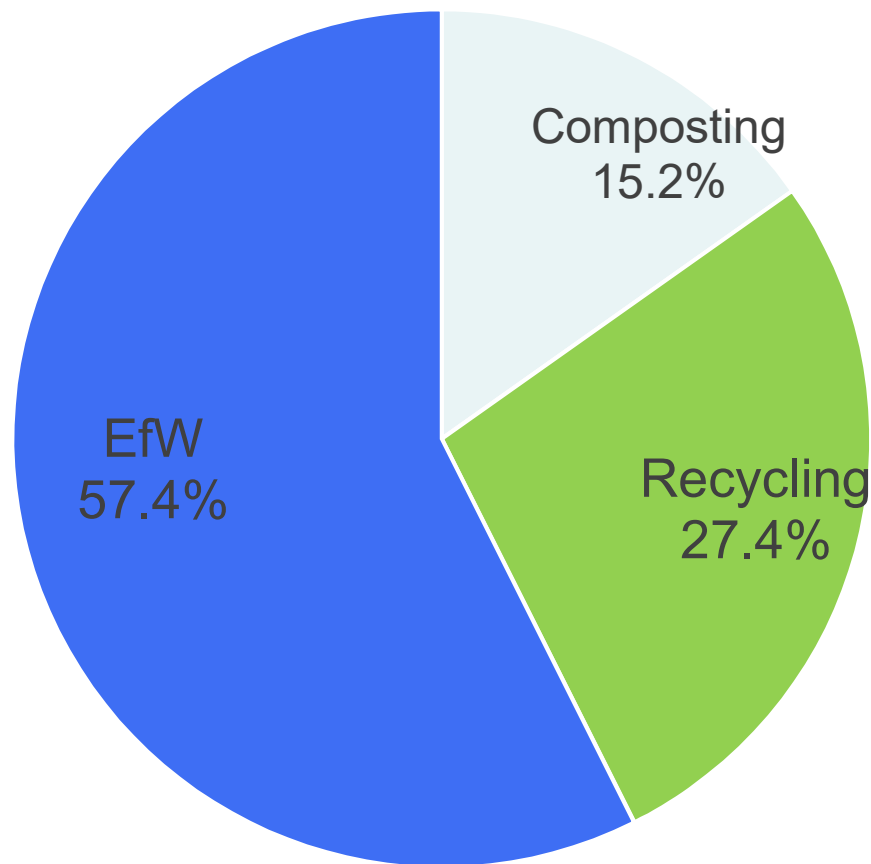
Torbay Council as a unitary authority has responsibility for waste collection and disposal in its area, as well as waste planning.

Population	133,883
Households	67,000
LACW (Local Authority Collected Waste)	67,237 tonnes
Recycling rate	42.6%
Residual waste	39,262 tonnes
Recycling centres	1
Budget	£13m

Household Waste by Treatment Method in Devon 2017/18



Household Waste by Treatment Method in Torbay 2017/18



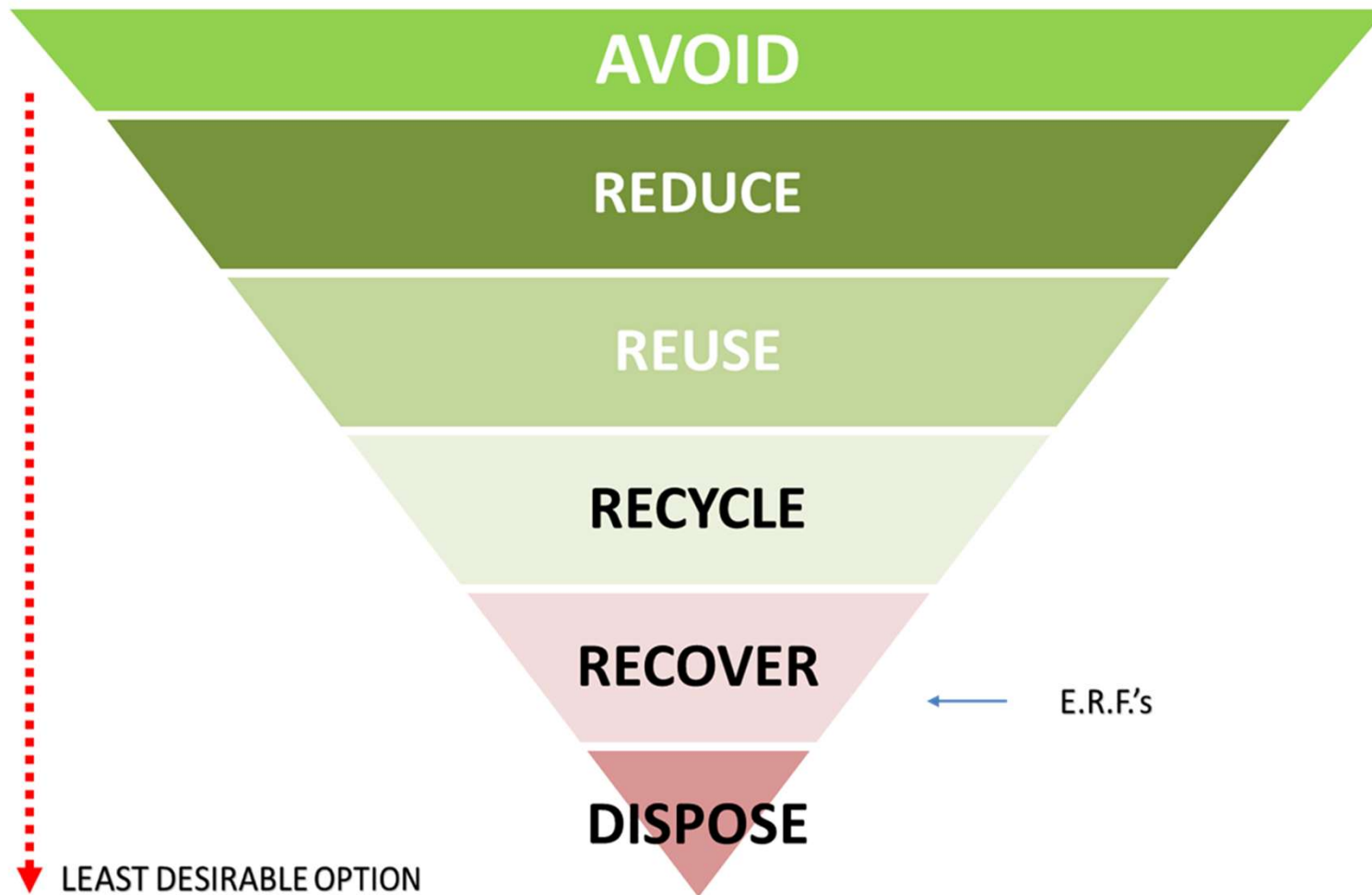
Composting Recycling EfW

Drivers for Change

- EU Landfill Directive
 - Banning of certain materials
 - Diversion of biodegradable waste
 - Waste & Emissions Trading Act (WET) 2003 and Landfill Allowance Trading Scheme (LATS) 2004
- Landfill Tax Escalator
 - £7/t in 1996 & £8/t escalator until 2014
 - £91.35/t from 1st April 2019
- Environmental
 - Landfilling is unsustainable
 - Landfills contribute to Climate Change
 - Resource depletion
- Waste Hierarchy
- Devon Resources & Waste Strategy
- Government Resources & Waste Strategy

Demand Management – The Waste Hierarchy

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Devon Authorities Strategic Waste Committee

Headline Statistics

Recycling Rate	2017/18	
Devon	54.0%	(-1.7%)
Torbay	42.6%	(+1.1%)

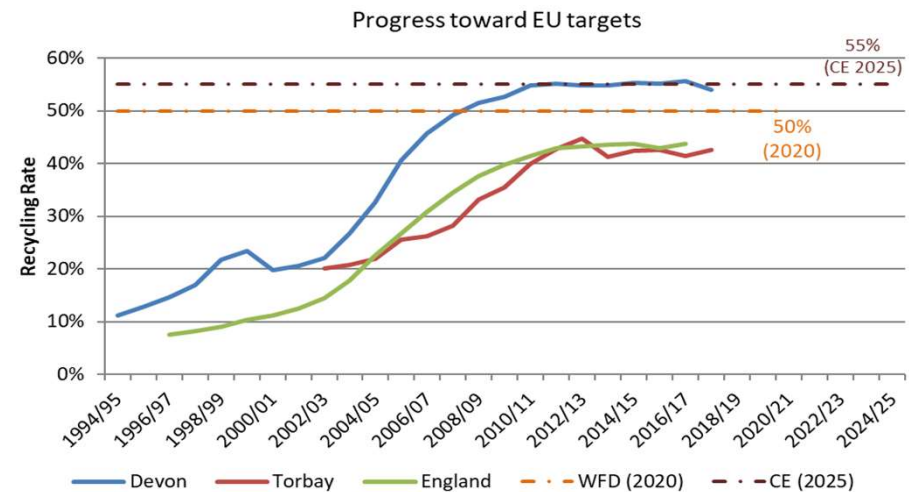
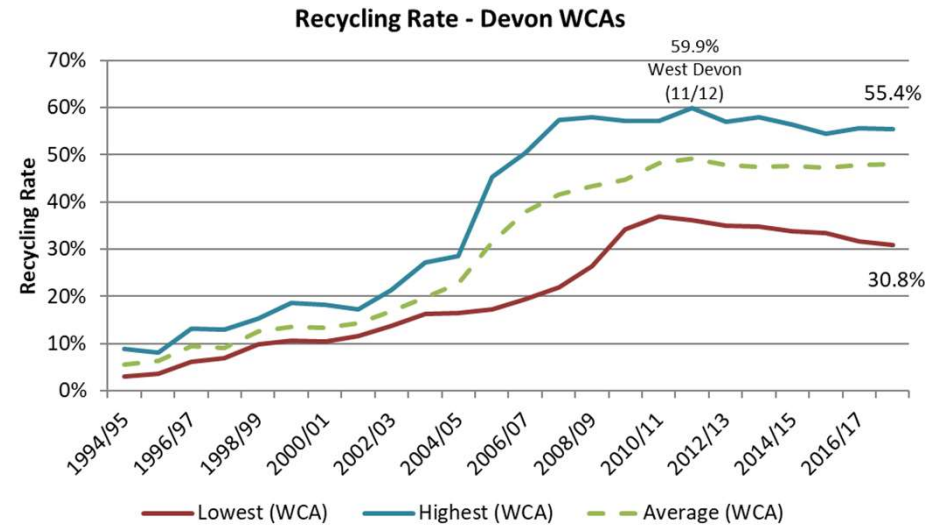


Ratio	
Dry: 52% (Devon), 64% (Torbay)	Organic: 48% (Devon), 36% (Torbay)
Household Waste	Growth
Devon	-1.3% (-4,576t)
Torbay	+0.5% (+268t)

WCA Headlines:

Highest Performing – *Teignbridge* (55.4%)

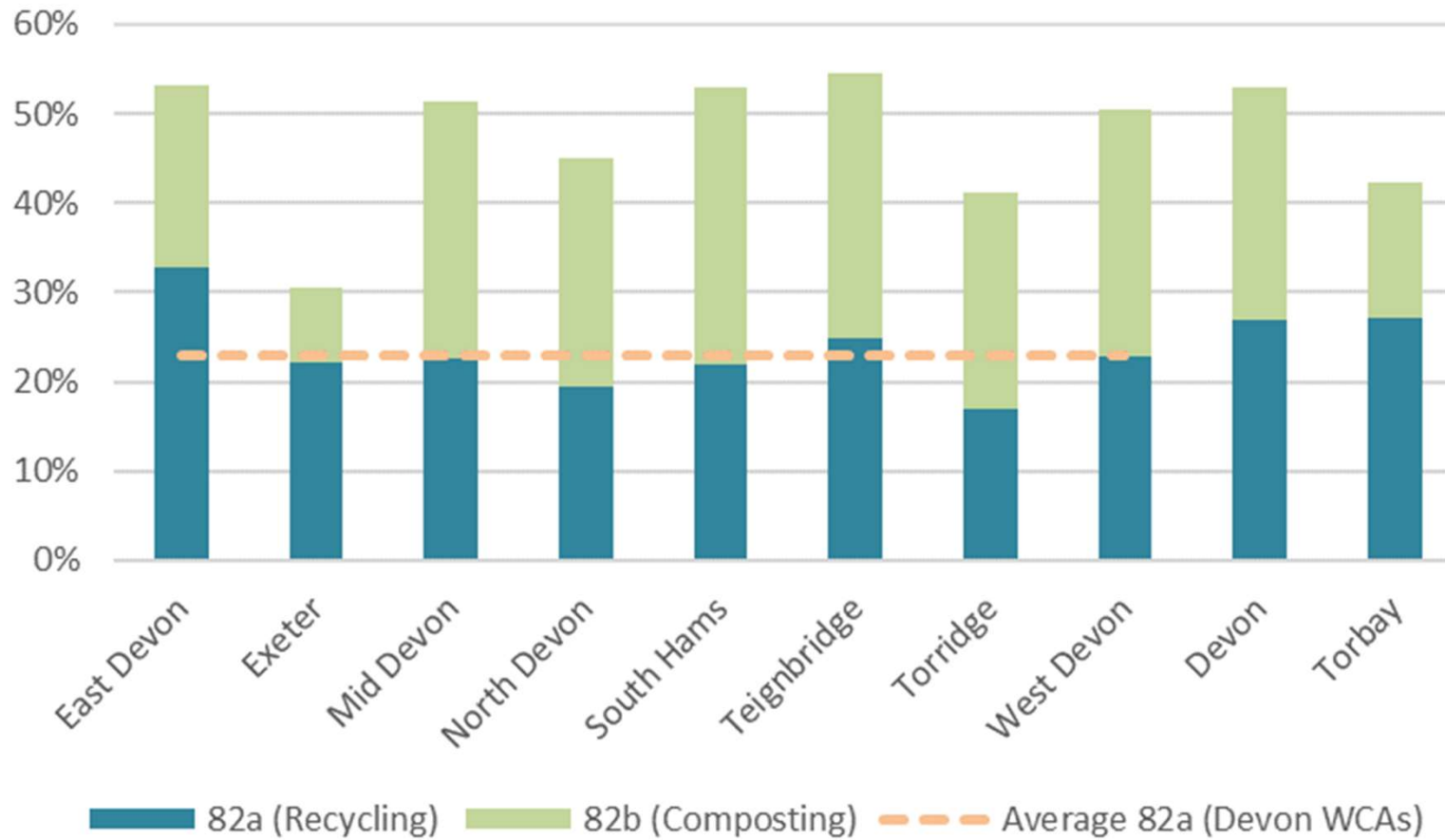
Greatest Improvement – *East Devon* (+8.1%)



Recycling Rates 2017/18

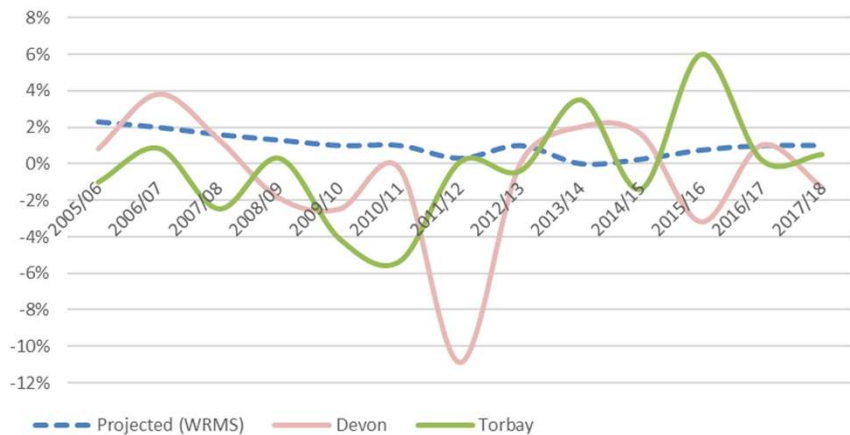
Recycling rates	2017/18	Change (%)
East Devon	54.2%	+8.1%
Exeter	30.8%	-0.8%
Mid Devon	51.8%	-1.6%
North Devon	45.5%	+1.0%
South Hams	53.9%	-0.8%
Teignbridge	55.4%	-0.3%
Torridge	41.2%	-0.1%
West Devon	51.2%	-2.6%
Devon	54.0%	-1.7%
Torbay	42.6%	+1.1%

Best Value Performance Indicators (BVPI)

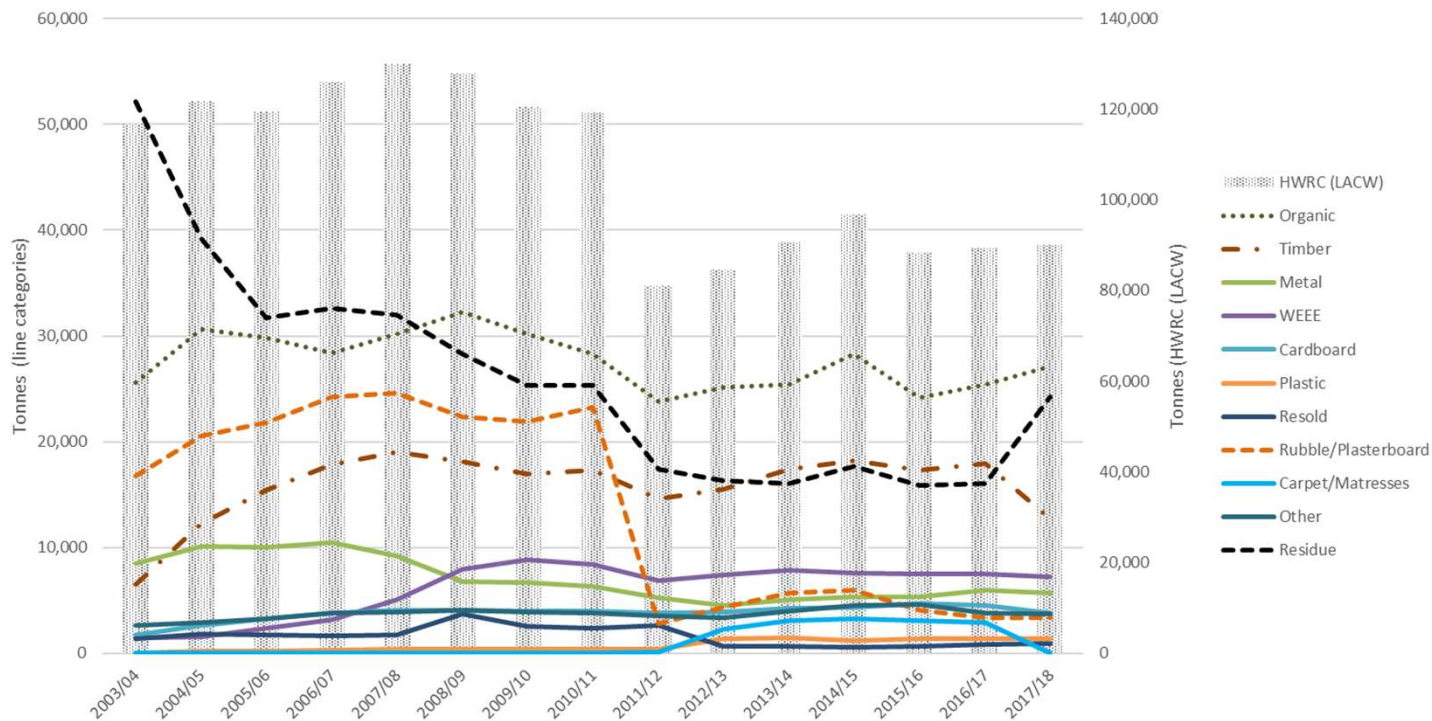


82a – % household waste **recycled** (excl. reuse)
 82b - % household waste **composted** (incl. AD)

Waste Growth



2017/18	Growth (Household waste)
WCAs	- 1.9%
HWRC	+ 0.7%
Devon	- 1.3%
Torbay	+ 0.5%
Dwelling Stock (Devon)	+ 1.1%



Recent Findings

Progress toward the 'Aligned Option'

Version: August 2018

				
	Food Waste (Weekly)	Garden Waste (£/fortnightly)	Dry Recycling (Weekly)	Residue (fortnightly)
East Devon ✓	✓	✓	✓	✓ (3)
Exeter	(X)	✓	(f)	✓
Mid Devon	✓	✓	(f)	✓
North Devon ✓	✓	✓	✓	✓
South Hams	(m/f)	(m/f)	(f)	✓
Teignbridge ✓	✓	✓	✓	✓
Torridge ✓	✓	✓	✓	✓
West Devon ✓	✓	✓	✓	✓
Torbay ✓	✓	(£/O)	✓	✓

YELLOW = aligned option / £ = charged service / m = mixed collection / f = fortnightly / 3 = 3wkly / X = N/A / O = Other

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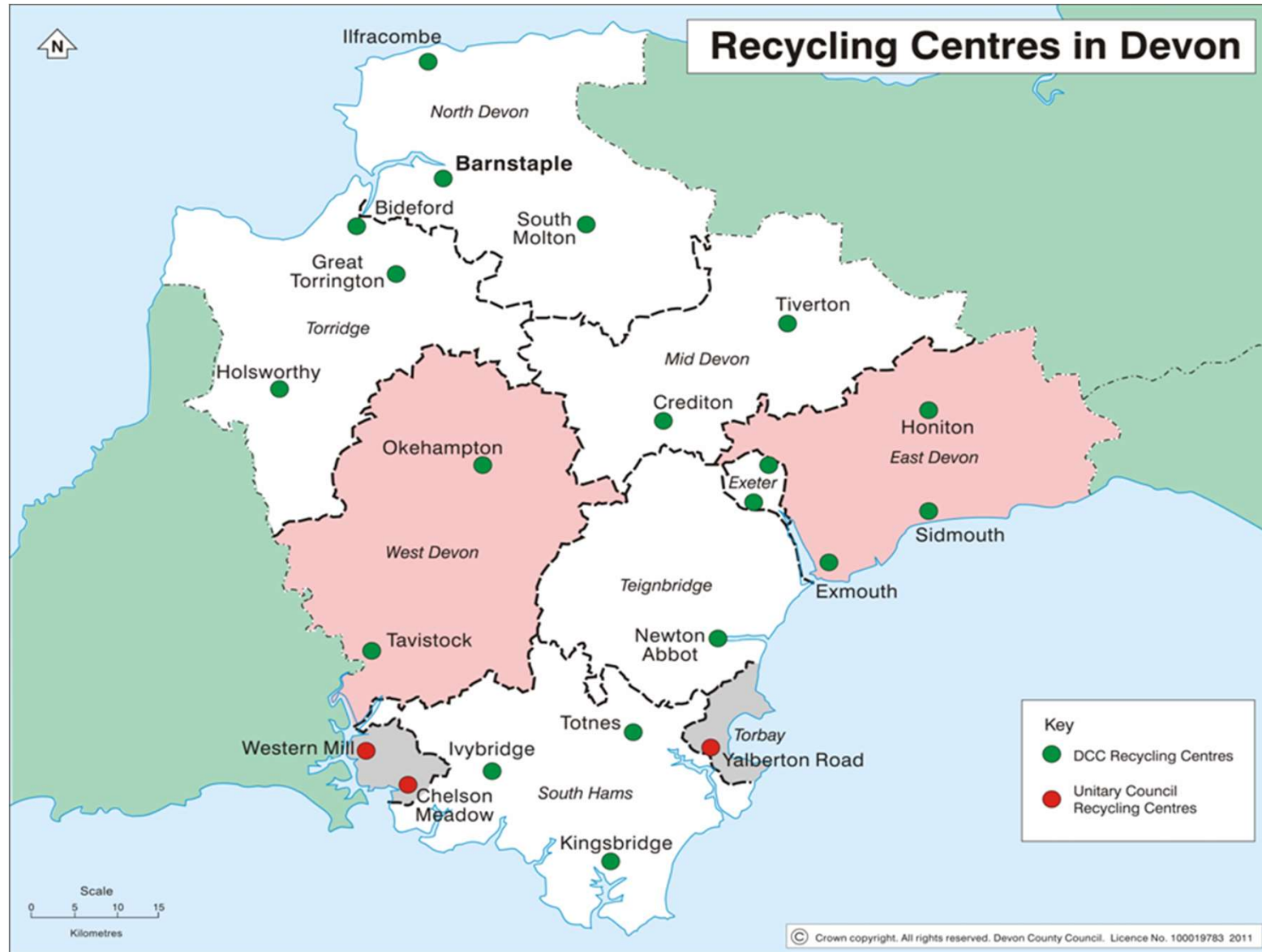
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Recycling Centres in Devon

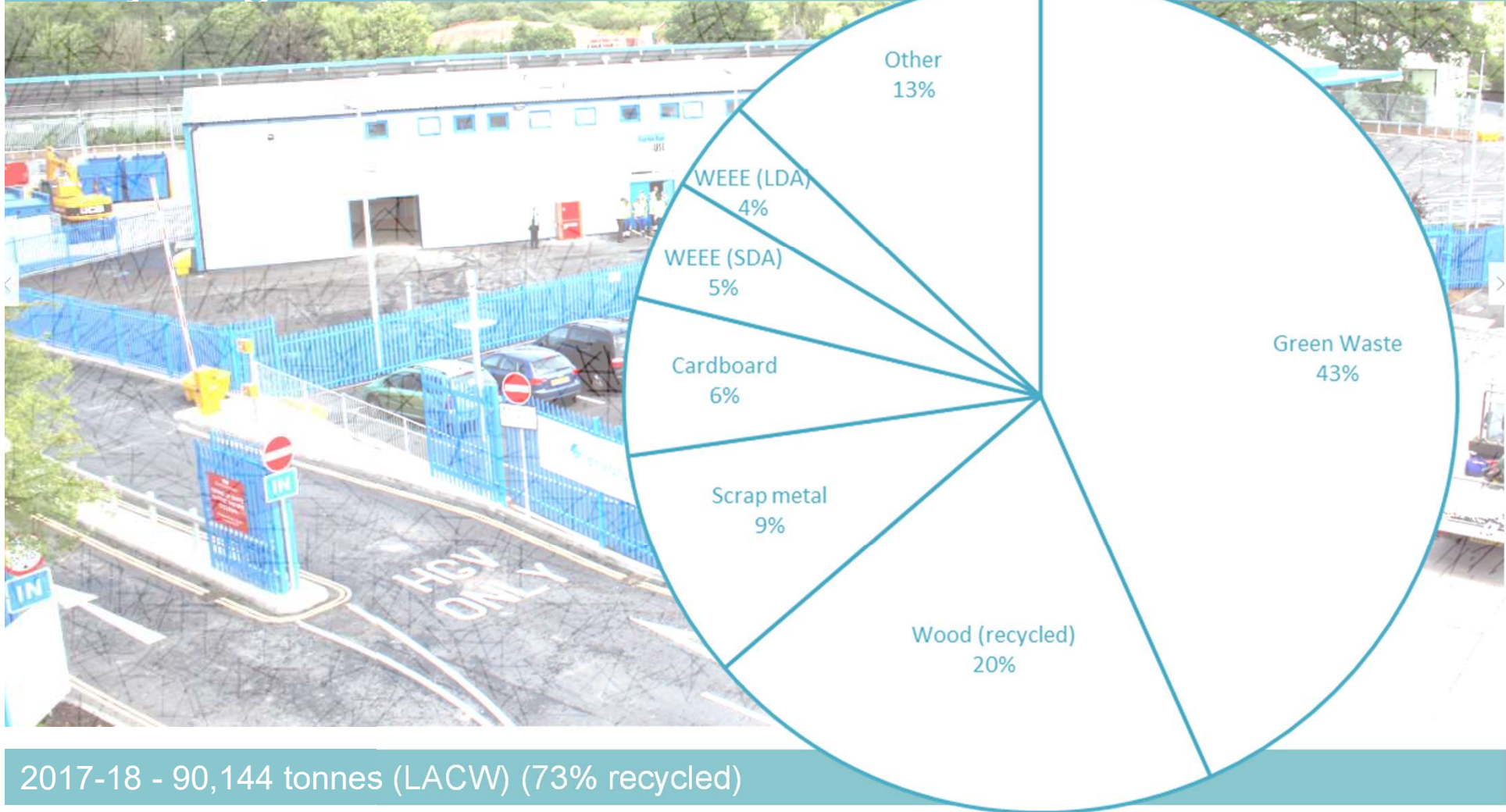
- 19 sites
- Operated under contract by Suez and Devon Waste Management Ltd
- £18m capital investment over last 10 years
- Over 75% diversion from disposal



Recycling Centres in Devon



Recycling Centres in Devon



2017-18 - 90,144 tonnes (LACW) (73% recycled)

Other (13%) includes: Fridges, plastic, glass, reuse, textiles, TVs, paper, inert, batteries, oil, tyres, tetra pack, fluorescent tubes, cans.

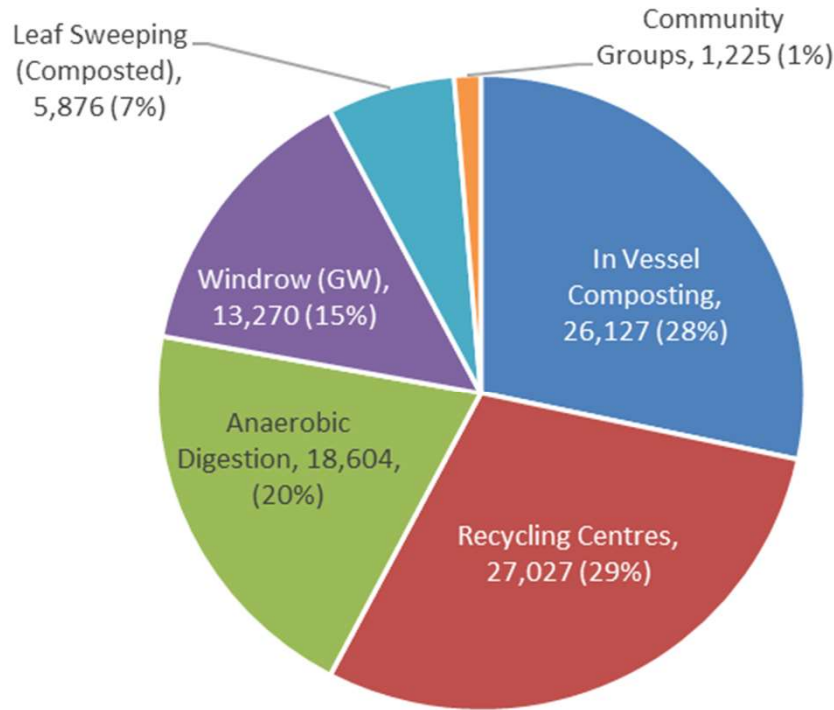
Organic Waste Management

- Garden waste
- Mixed food and garden waste
- Separate food waste
- Compostable street sweepings

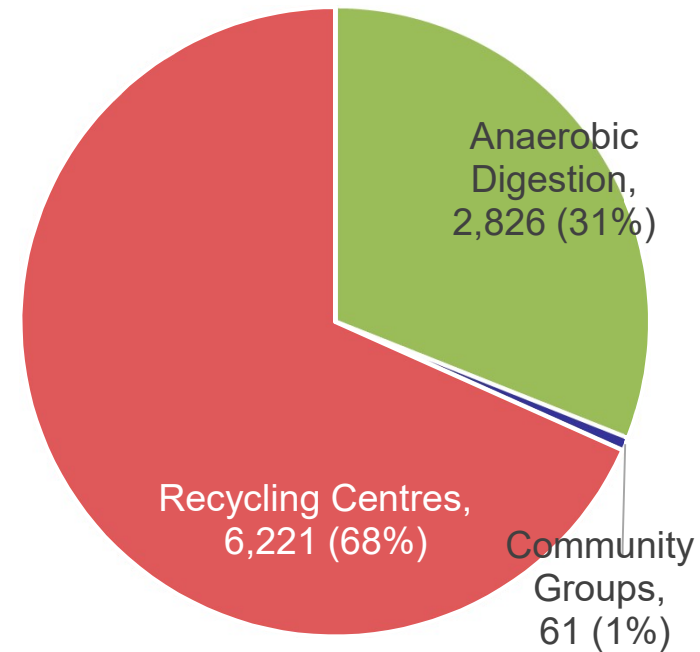


Organic Waste Processing in Devon and Torbay (2017/18)

Devon



Torbay

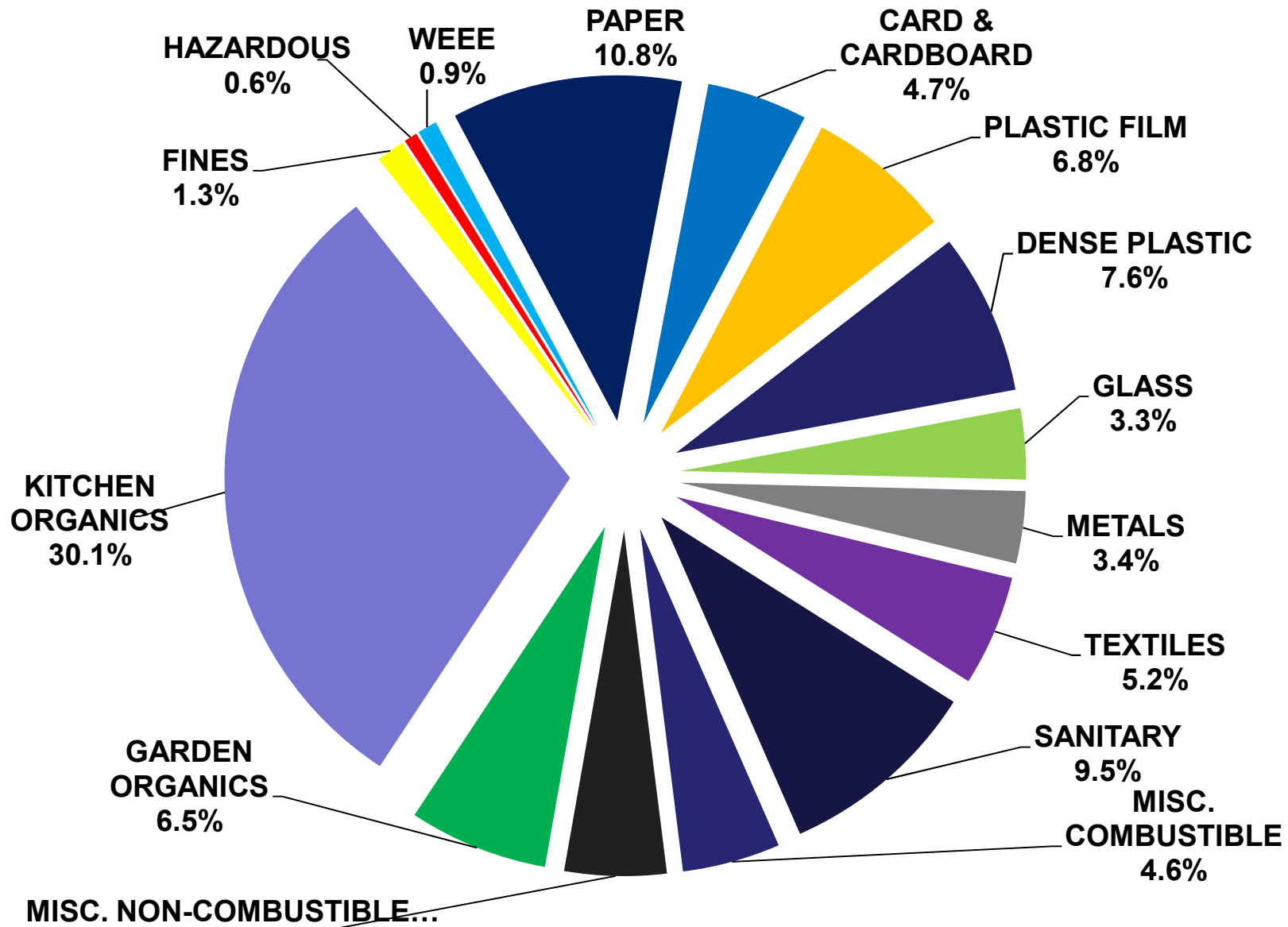


Anaerobic Digestion

- Commercial plants
- Holsworthy and Bridgwater
- 22,000 tonnes of food waste per annum
- Produce electricity and PAS110 compost
- More separate food waste collections planned



Devon Residual Bin Contents 2017



Recent Findings

- 40.8% of the contents of the residual bin were found to be recyclable, the major material being food waste.
- This is the equivalent of 56,000 tonnes of materials. If all Devon householders recycled all of this material, the recycling rate would rise to 71%.
- The cost of the 56,000 tonnes going for disposal instead of recycling is approximately £6.7 million. In addition, the potential loss of income from the lost materials (glass, paper, card, metal, textiles and plastic) was more than £1 million.

Demand Management – Behavioural Change



Waste awareness and education campaigns

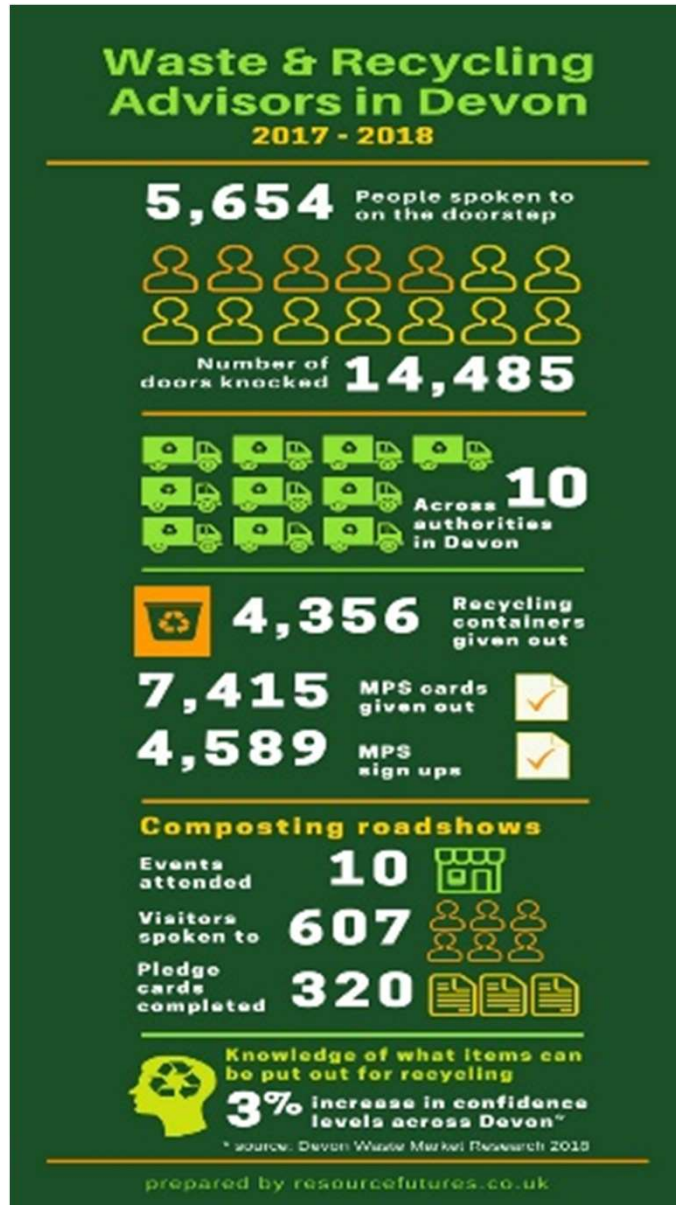
- Roadshows
- Press articles
- Advertising
- Social media
- Waste & Recycling Advisors



Recycle Devon

- **Recycledevon.org**
119,000 visitors last year
- **Facebook**
Nearly 12,000 followers 7 Million+ reach
- **Twitter**
Nearly 2,000 followers
3 Million+ impressions





Waste & Recycling Advisors



Food waste prevention

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What's your **Guilty Food Waste Secret?**

5'0" 4'8" 4'6" 4'0" 3'6" 3'0" 2'6" 2'0" 1'6" 1'0"

the usual suspects

Confess your sin for your chance to **win** a **Smarter FridgeCam** to prevent food waste and become guilt free

Recycle Devon

recycledevon.org/guiltyfoodwaste

Food Waste Film

Recycle Devon

AT HOME AT SCHOOL AT WORK IN THE GARDEN AT THE SHOPS

f YouTube t p b 31

LOVE FOOD HATE WASTE

Join **THE GREAT BRITISH TAKE OFF**

Follow the steps below to take **£700 off your food bill**

Research shows that everyone throws away more food than they think they do. Nearly half of what is thrown away is fresh fruit and vegetables, bread, dairy produce, rice and pasta. Some of the common reasons are buying too much in the first place, not storing things properly so they go off quickly, not eating things in time and cooking too much, especially things like pasta and rice. Whatever food you love, these handy tips can help you waste less and save you money (up to £700 for a family with children).

Why Save Food?
"Your food isn't rubbish" find out why you should save it here...

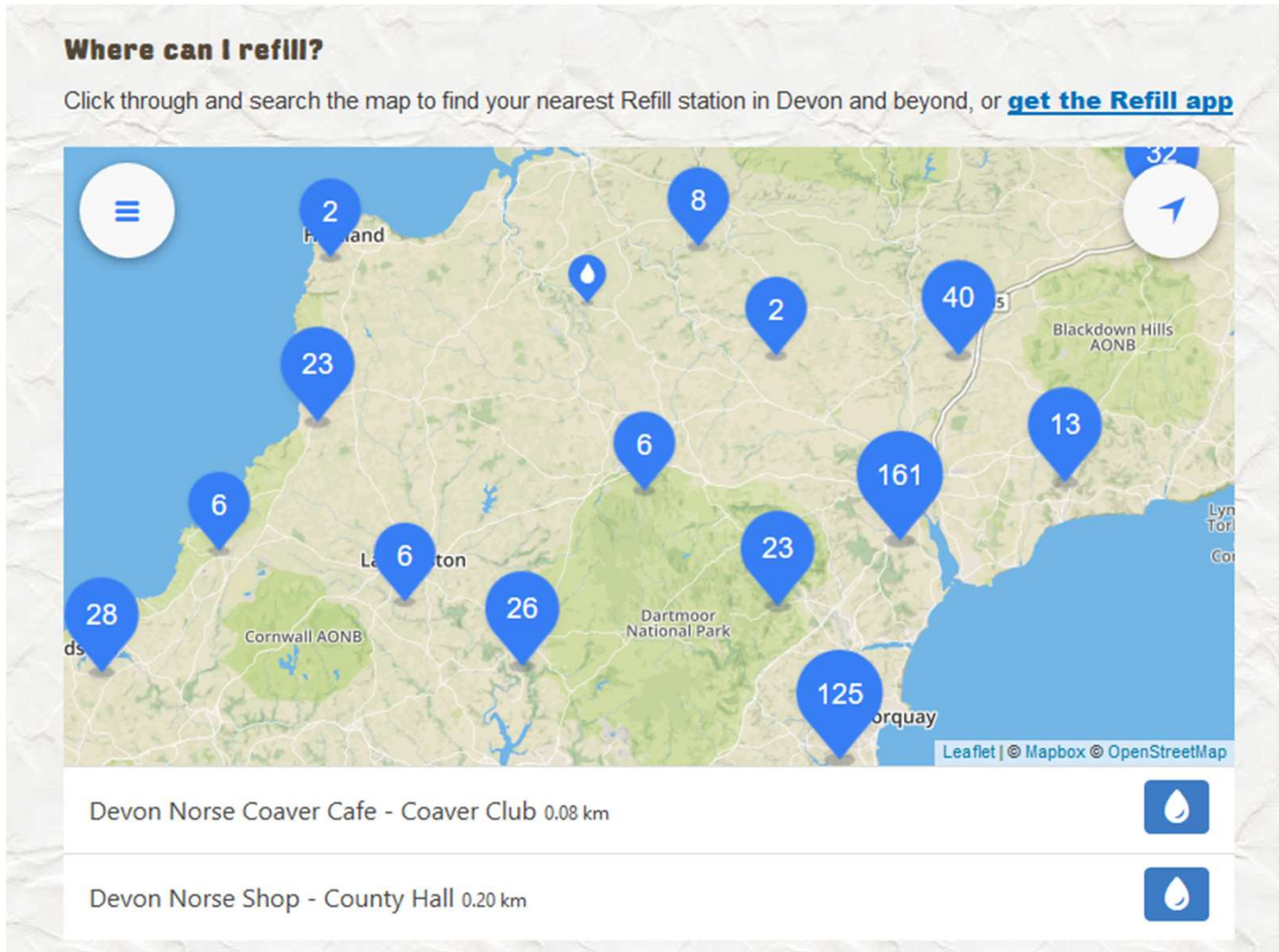
Save money
Five little wins to save money and reduce food waste.

your next step
What You Can Do
Keeping food out of the bin is

Devon Authorities Strategic Waste Committee

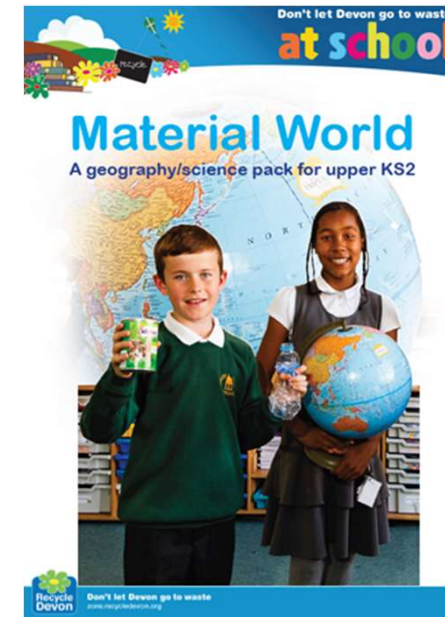
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Refill – National Refill Day TODAY!!!



Waste Education in Schools

- Assemblies
- Curriculum linked workshops
- Teaching resources
- School Community Events
- Trips to waste management facilities
- Zone Website
- Videos



2017-18 Academic Year		
Workshops	Pupils	5,042
	Adults	364
	Total	5,406
Audits	Pupils	204
	Adults	16
	Total	220
Assemblies	Pupils	3,856
	Adults	225
	Total	4,081
Community events	Pupils	248
	Adults	137
	Total	385
Meetings Pupils	Pupils	68
	Adults	53
	Total	121
Trips to waste management facilities	Pupils	482
	Adults	48
	Total	530
Teacher training	Adults	12
	Total	10,755

Waste Education Programme Statistics

Examples of good practice – 2017/18

- **Uffculme Academy Trust**

Increased their recycling and composting rate from 11% to 84% and saved £644.60 a year by changing their bins.

- **Totnes St John's C of E Primary School**

Increased their recycling and composting rate from 37% to 81%.



Community Action Groups (CAG) Devon



Community Action Groups (CAG Devon)

Provide groups in Mid Devon & Teignbridge areas with:-

- Support with fundraising
- Insurance
- media & publicity
- training & skill sharing
- seed funding for new groups
- monitoring tools
- Networking, case studies and inspiration



Objectives

- Reuse/Repair workshops
- Community Re-use Loan Kits
 - Clothes Swaps
 - Give & Take days
- Website/Devon Online Re-use Directory
- Reuse Week
- Reuse drop of points at HWRCs
- Devon Upcycling day – 29th June 2019

The Big Fix



Broken toys?
Faulty laptop?
Toaster not working?
Chair with a wobbly leg?
Wonky zip?

The BIG FIX

Come and help us by bringing your broken things to the Big Fix!

SAT 23 FEBRUARY 2019
10am - 4pm
Belmont Chapel, Exeter, EX1 2DB

The Big Fix is a Repair Café where volunteers fix your things for free and you can enjoy a cuppa.

We'll be attempting to break the record for the biggest number of items EVER fixed - with volunteers from across Devon.

For full details about how it works visit: recycledevon.org/events/the-big-fix



- 268 items repaired in 6.5 hours – a new UK record!
- 38 menders from 6 of the current 9 Devon repair cafes took part
- Over 800 people attended
- 50% increase in attendance at regular repair cafes
- Working to co-ordinate a national 'Big Fix' day next year – 15th February 2020

Residual Waste Management in Devon



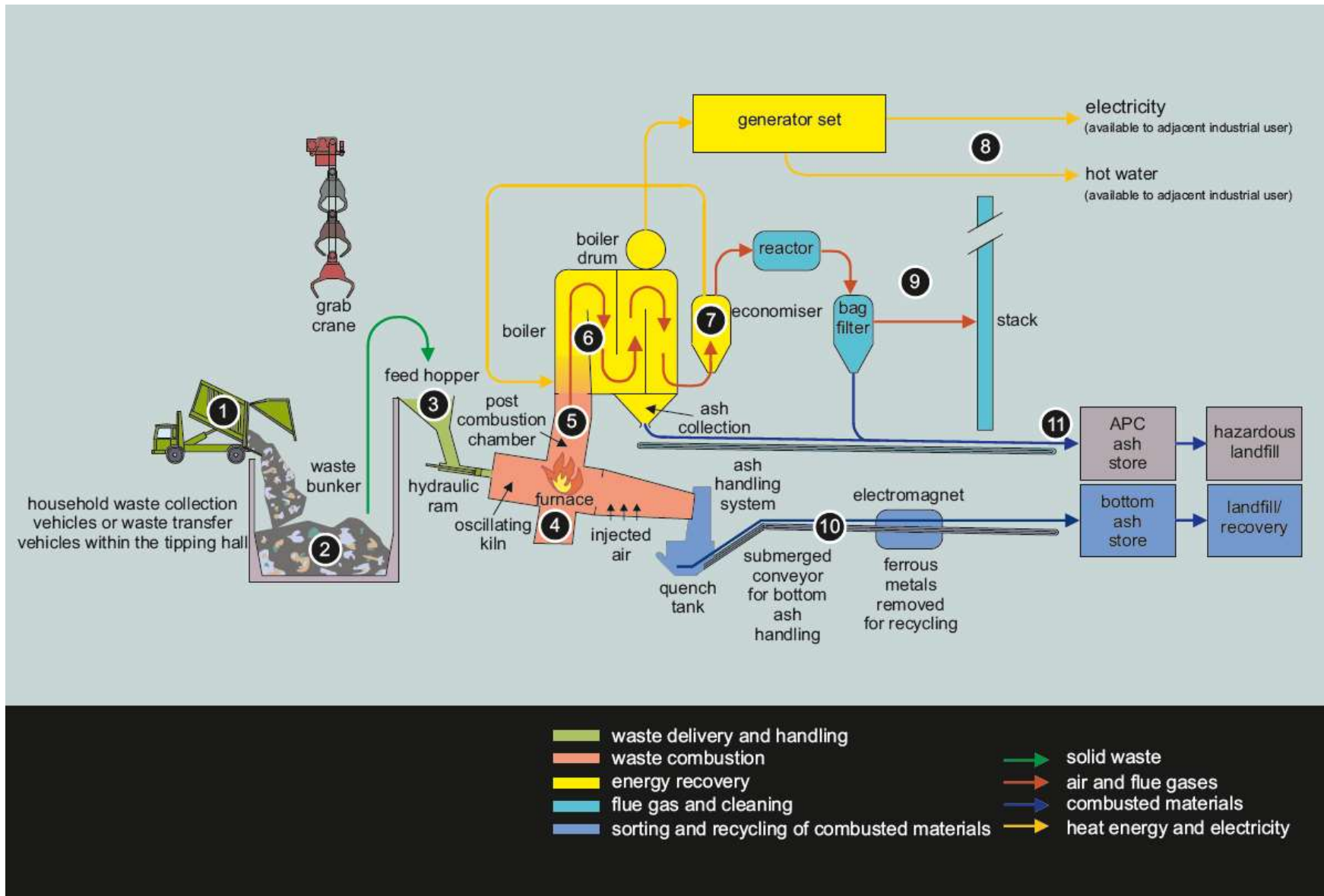
- Exeter Energy Recovery Facility (ERF) – July 2014
- Devonport EfW Combined Heat & Power Facility, Plymouth – September 2015
- North Devon / Torridge residual waste contract – Feb 2019
- Over 150,000 tonnes per annum of residual waste diverted from landfill

Exeter Energy Recovery Facility (ERF)



- 60,000t per annum
- Opened in 2014
- £46m capital cost
- Accepts waste from Exeter and surrounding area
- 30 year contract with Viridor
- Generates electricity for circa 5,000 homes
- Operated by Cyclerval under an Environmental Permit issued by the EA

The Process



Combuster Leaving France

30 metres long, 86.5 tonnes!



Devonport EfW Combined Heat and Power Facility, Plymouth



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Devon Authorities Strategic Waste Committee

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The Site Location



South West Devon Waste Partnership (SWDWP)

- Established in 2008 to deliver a residual waste solution for south west Devon
- Formal Partnership between Devon County Council, Torbay Council and Plymouth City Council
- PFI credits of £95m to support the project
- 25 year contract awarded to MVV Umwelt

Plant Operations

- Approx 245,000 tonnes per annum including C&I waste
- 97% diversion from landfill
- Circa £200m capital cost
- Export of steam and electricity to the Dockyard



Energy Generation

- Gross Electricity 26MW
- Net: 22.5-23.5MW
- Average export when CHP operating: 18MW
- Efficiency: With CHP, 48.8% (one of the leading facilities in Europe)



North Devon & Torridge Residual Waste Contract

- 10 year contract with Suez
- Circa 40,000 tonnes per annum
- Bulked up at Brynsworthy Transfer Station, Barnstaple
- Processed at Suez ERFs in Cornwall or Avonmouth



Landfill in Devon

- Only around 10,000 tonnes per annum of LACW now sent to landfill
- Broadpath will be closing and Heathfield will be reopening
- Some landfill capacity will always be required
- Legacy of closed landfill sites



Resources and Waste Strategy

Published 18 December 2018

Goal is for England to move to a more circular economy, which keeps resources in use for longer.

Strategy focuses on known problems.

- Sustainable consumption and production – move to circular economy
- Single use plastics.
- Householder confusion.
- Food waste.
- 4 consultations published on 18th February – 12 week consultation period



Resources and Waste Strategy – Strategic Ambitions



- All plastic packaging placed on the market being recyclable, reusable or compostable by 2025
- Eliminate food waste to landfill by 2030
- Eliminate avoidable plastic waste over 25 years
- Double resource productivity by 2050
- Eliminate avoidable waste of all kinds by 2050

Consultation on Reforming the UK Packaging Producer Responsibility System



Consultation on reforming the UK packaging producer responsibility system

February 2019

- All 4 UK Nation Governments
- Full net cost recovery for all packaging funded by producers
- Local Authorities would have their costs met for both collection, recycling and disposal of all packaging
- Common set of packaging types – card, metal, plastic, glass & food/drink cartons
- Targets set for each packaging material
- Improved labelling for consumers – recyclable/non-recyclable
- 4 Governance models proposed
- DASWC supported single not for profit producer scheme

Consultation on Consistency in Household and Business Recycling Collections in England



Consultation on consistency in household and business recycling collections in England

February 2019

- Core set of dry recyclables from the kerbside
- Separate weekly food waste collections
- Free garden waste collections
- Multi-stream collections to improve quality; standardised bin colours & sizes
- Statutory guidance / minimum collection standards – fortnightly residual collections
- Improved communications with householders
- Partnership working
- Improving end markets for recyclates
- Non binding performance indicators
- Collecting business waste similarly to household waste

Devon Authorities Strategic Waste Committee

Consultation on Introducing a Deposit Return Scheme in England, Wales and Northern Ireland



- Includes all drinks containers (glass bottles, metal cans, plastic bottles and disposable coffee cups) except for milk and milk substitute products
- Deposit added at point of purchase – 20p proposed in Scotland
- Containers returned via in-store takeback or Reverse Vending Machines
- Managed by Deposit Management Organisation (DMO)
- Funded by producers
- All in or on-the-go (less than 750ml) – potential impact on LA kerbside recycling collections
- Could this be delayed until after EPR and consistency?

Consultation on
introducing a Deposit
Return Scheme in England,
Wales and Northern Ireland

February 2019

Devon Authorities Strategic Waste Committee

Consultation on Plastic Packaging Tax

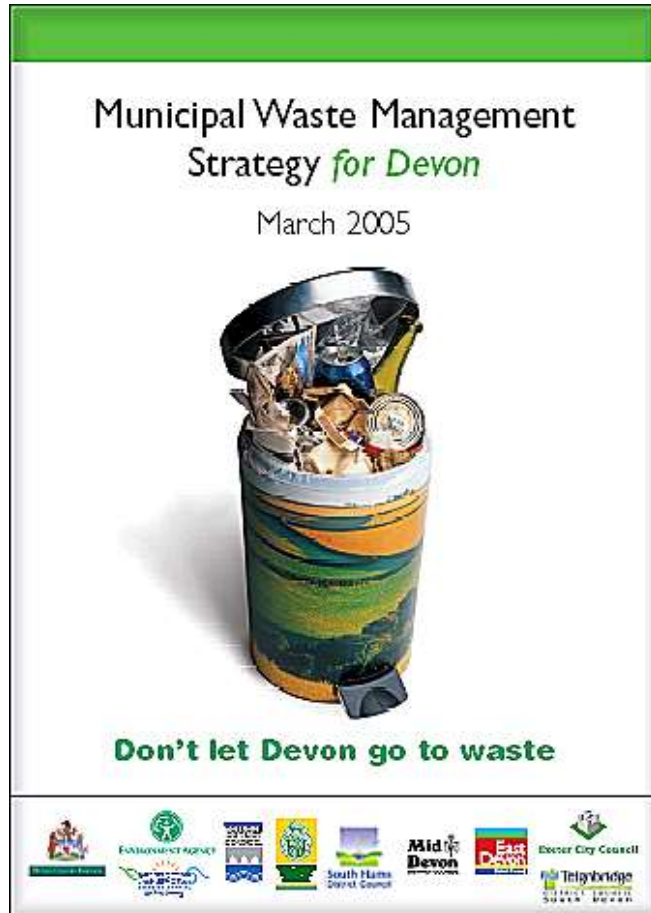


Plastic packaging tax:
consultation

February 2019

- Budget 2018 announced world leading new tax from April 2022 to encourage more recycled plastic to be used in plastic packaging
- Subject to consultation tax will be applied to plastic packaging with less than 30% recycled plastic
- Proposed to apply at point of production on packaging or at point of import
- Not directly relevant to LAs

Next Steps



- Summary of initial consultations published later this year
- Further consultations and draft regulations published in 2020
- Plastics Tax implemented 2022 and EPR/DRS proposals in 2023
- Could potentially fundamentally change how we are funded & our roles in the future
- A new Devon Resources and Waste Strategy to be developed



Any questions?

Devon Authorities Strategic Waste Committee

An industry view of the Government's Resource and Waste Strategy & tools

recycling and recovery UK

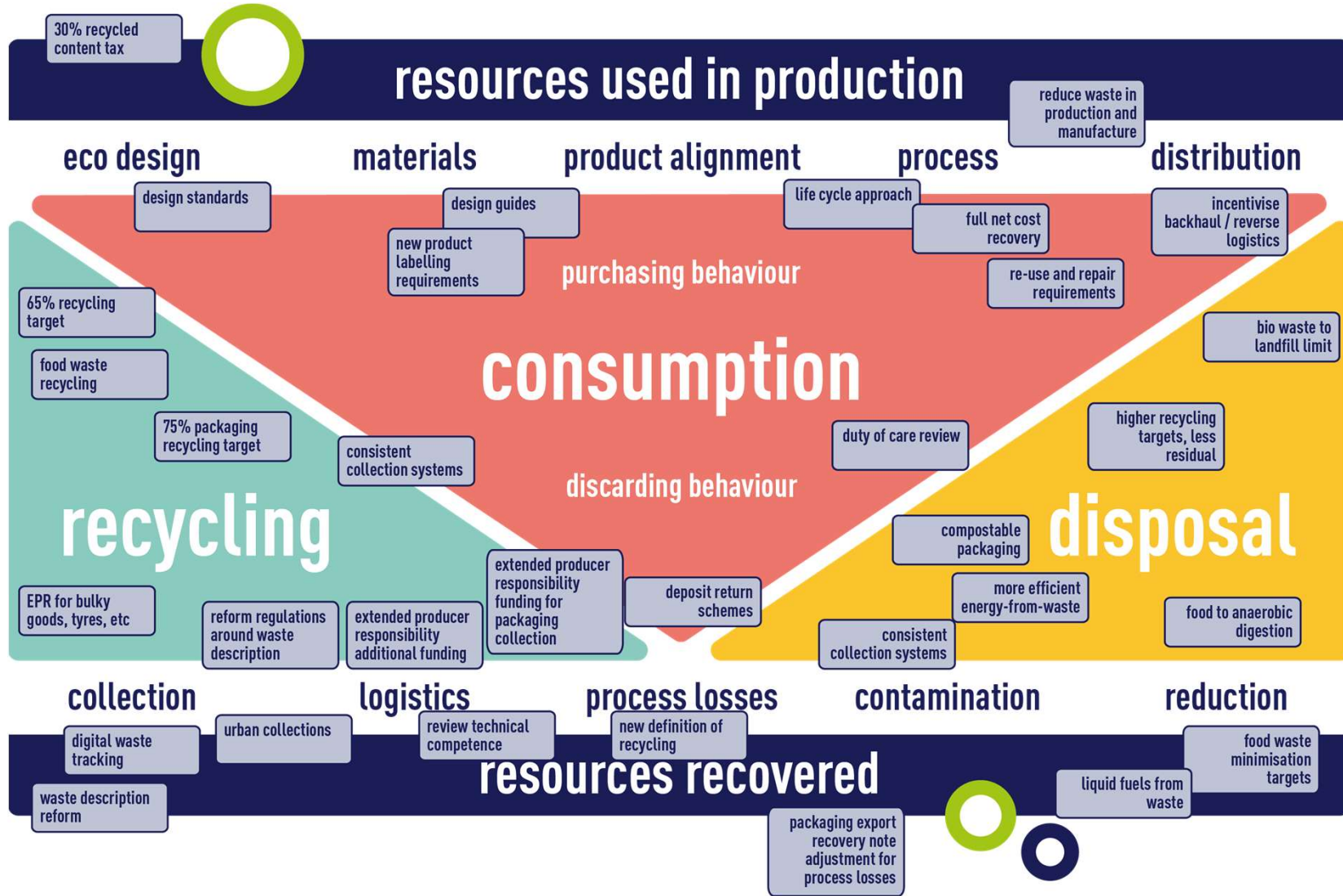
June 2019

Stuart Hayward-Higham
Technical Development Director

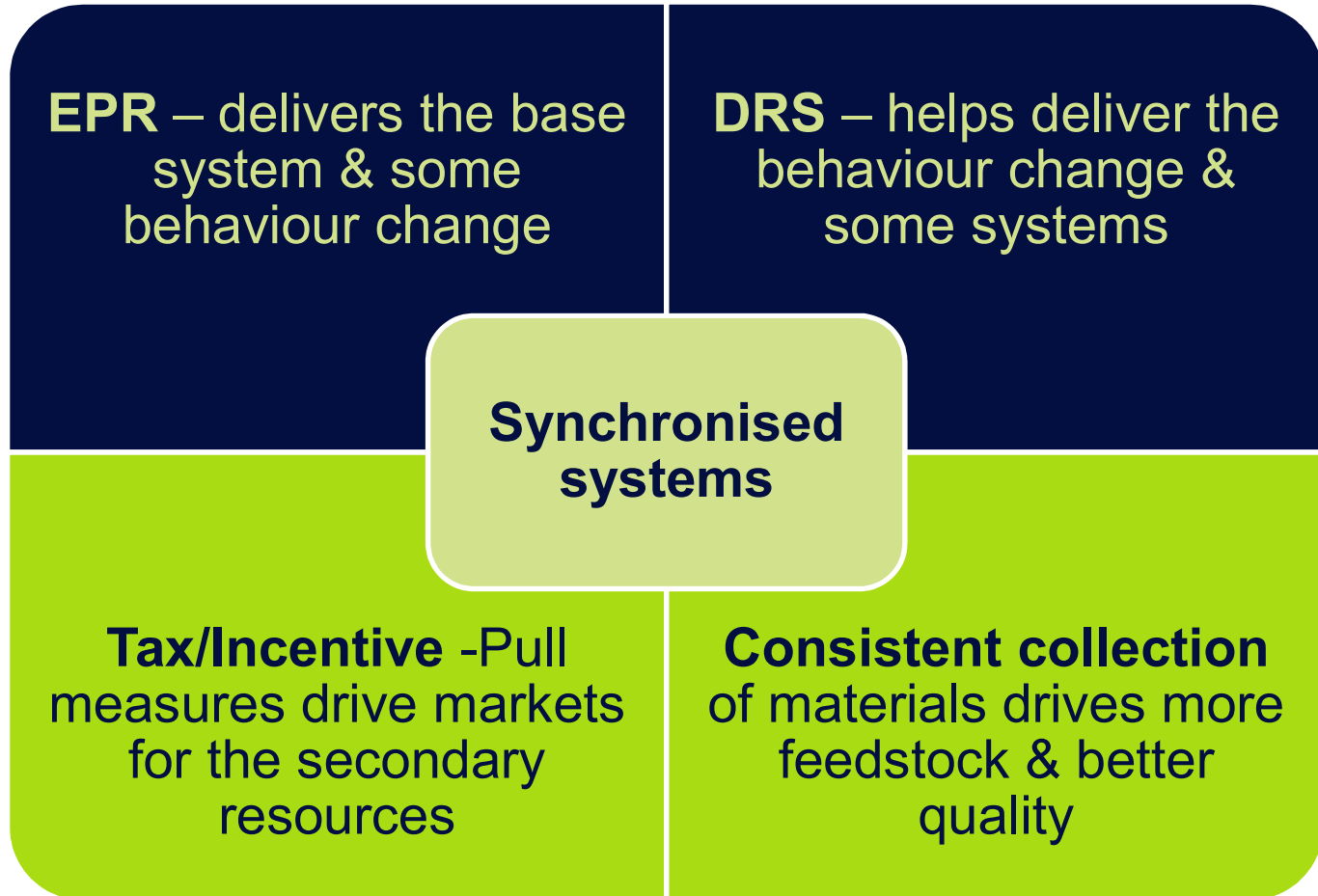
ready for the resource revolution



policy | sum of changes across the system

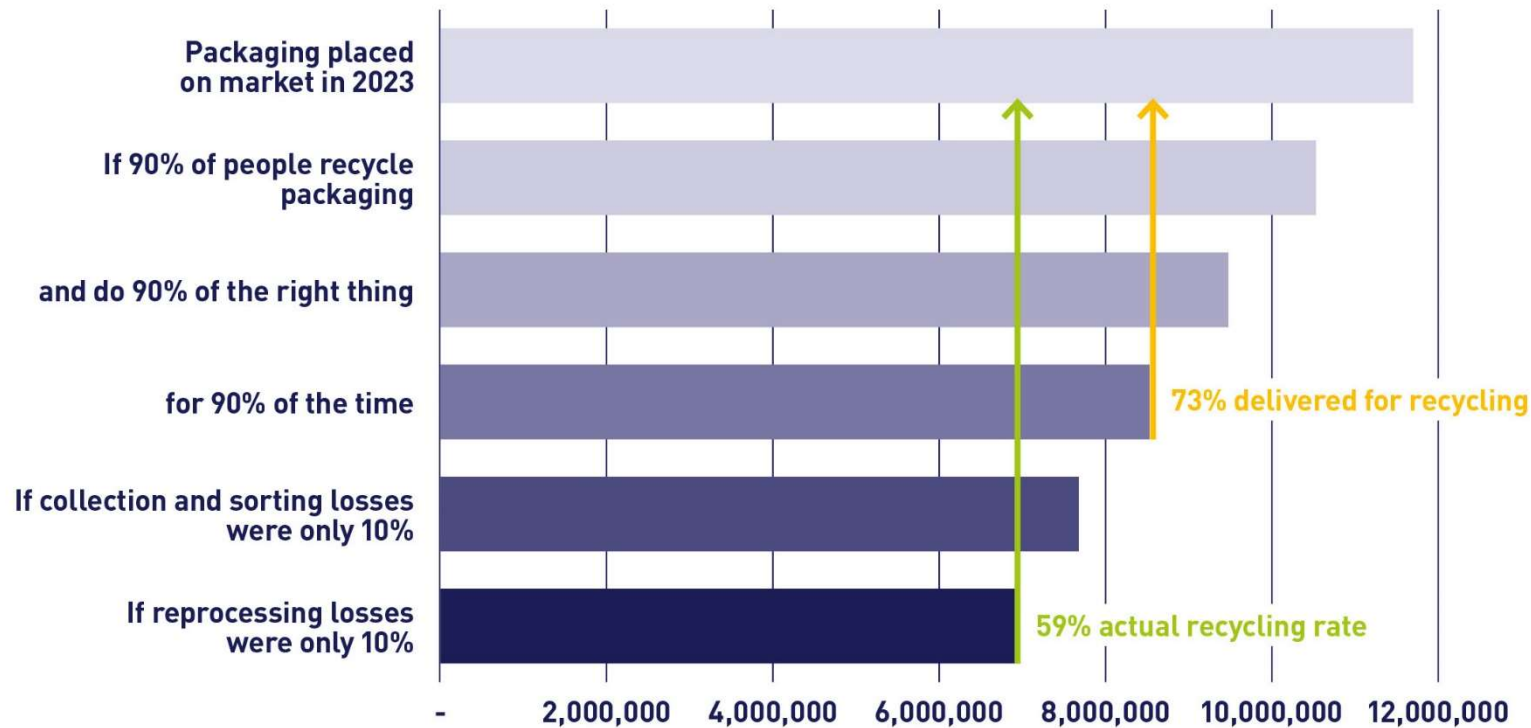


The need | **synchronised systems**



Systems | collaborative action is the key

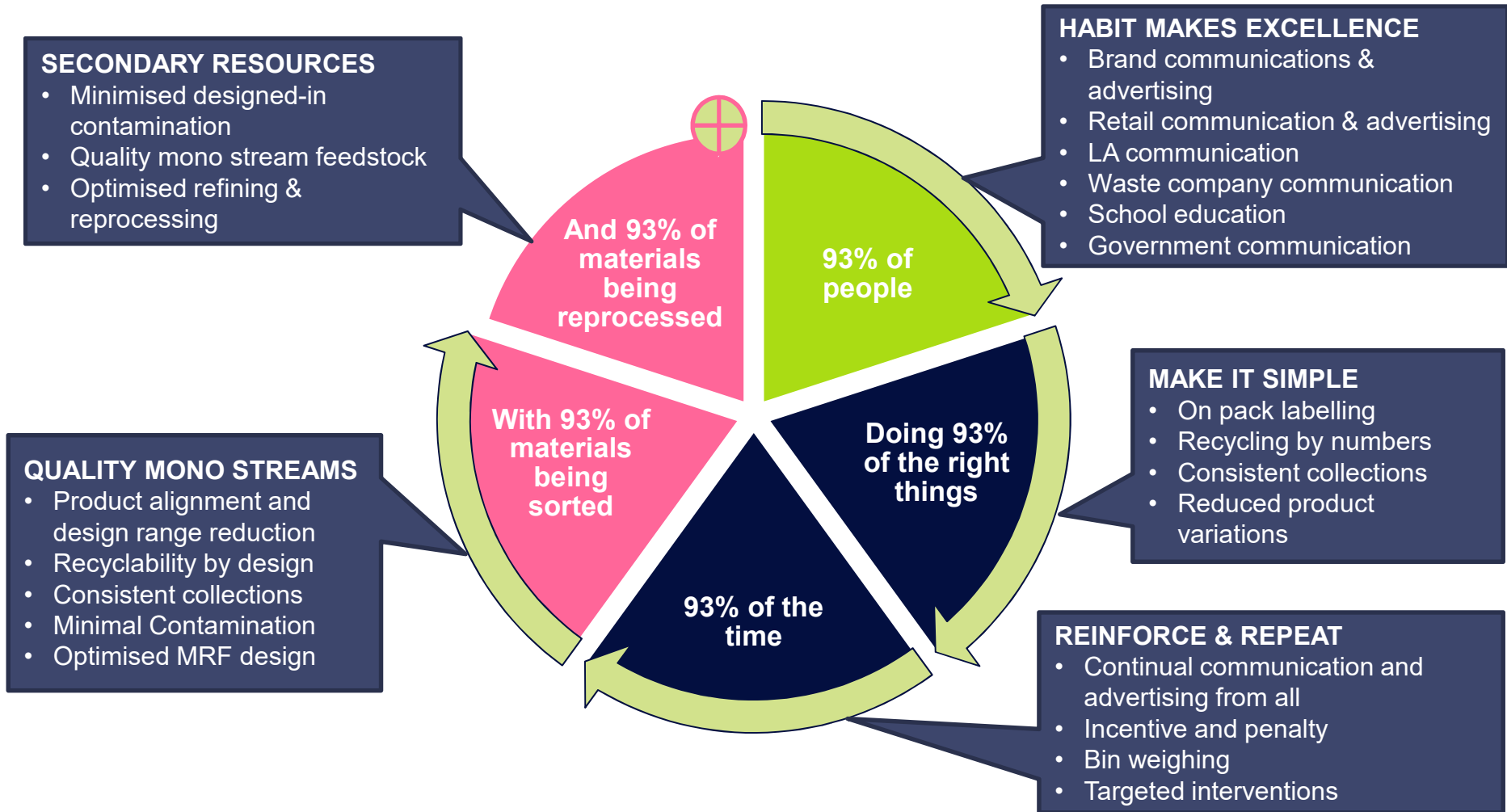
The need for full value chain collaboration to recycle packaging (excellent performance)



© SUEZ recycling and recovery UK

However, 5 x 90% efficiency will give a recycling rate of 59%

Systems | collaborative detailing



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To get to 70% packaging recycled we need 5 x 93% efficiency

The need | simple systems to drive habits habits drive excellence

COLOURS TO INFORM PURCHASE



NUMBERS TO RECYCLE BY



© SUEZ recycling and recovery UK

EPR Systems

Against our published 10 principles... none are perfect!!

How the governance models proposed support the 10 extended producer responsibility principles originally established by SUEZ

	M1	M2	M3	M4
1 More sustainable design	✓	✓	✓	✓
2 Enhanced brand equity	?	✓	✓	✓
3 A level playing field	✗	?	?	?
4 Informed, empowered consumers	?	✓	✓	✓
5 A competitive marketplace	✓	✗	✗	✓
6 Innovation	✓	?	?	✓
7 Simplicity for all	?	✓	✓	?
8 Minimal consumer cost	✓	✗	✗	✓
9 A system free from crime	✓	✓	✓	✓
10 Rewards and penalties	✓	✓	✓	✓

Governance models

- M1** Enhanced version of 'business as usual'.
- M2** Single not-for-profit organisation.
- M3** Twin not-for-profit organisations – one for household-like waste and one for nonhousehold-like waste.
- M4** Deposit-based, government-managed scheme.

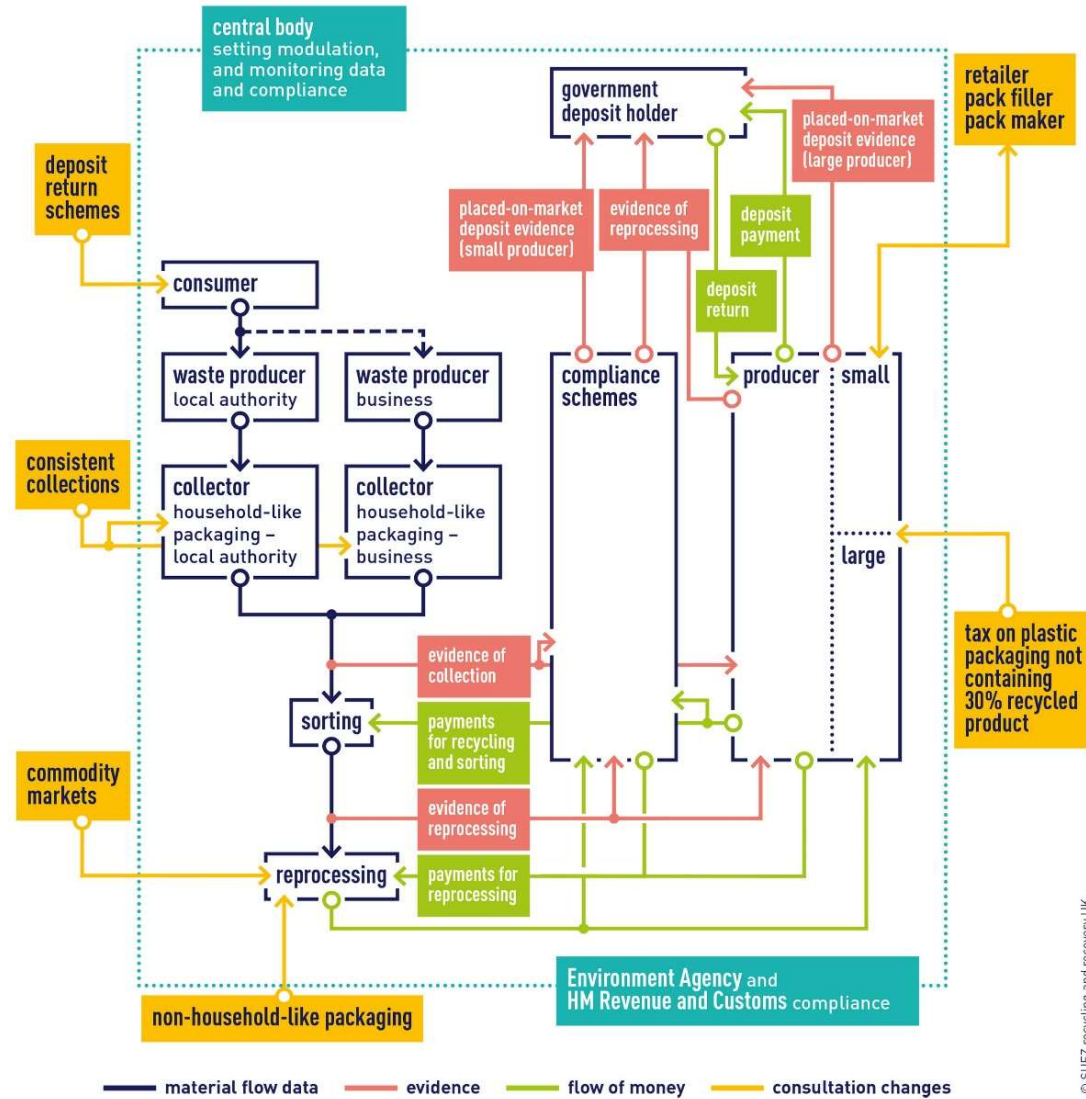
© SUEZ recycling and recovery UK



EPR Systems

a hybrid of the best of each is what we thought would be required

Potential hybrid packaging extended producer responsibility governance scheme and the influence of other consultation changes



Take some elements of...

- The business waste payment mechanism from option 1
- The central control aspects from option 2
- The deposit payment from option 4
- The split of Household like and non household like from option 3

DRS Systems SUEZ View

DRS is part of EPR (it's a method of harvesting)

EPR delivers the main systems and DRS delivers on behaviour change

DRS – On the GO (to complement the existing systems that would have been bolstered by EPR) rather than All In.

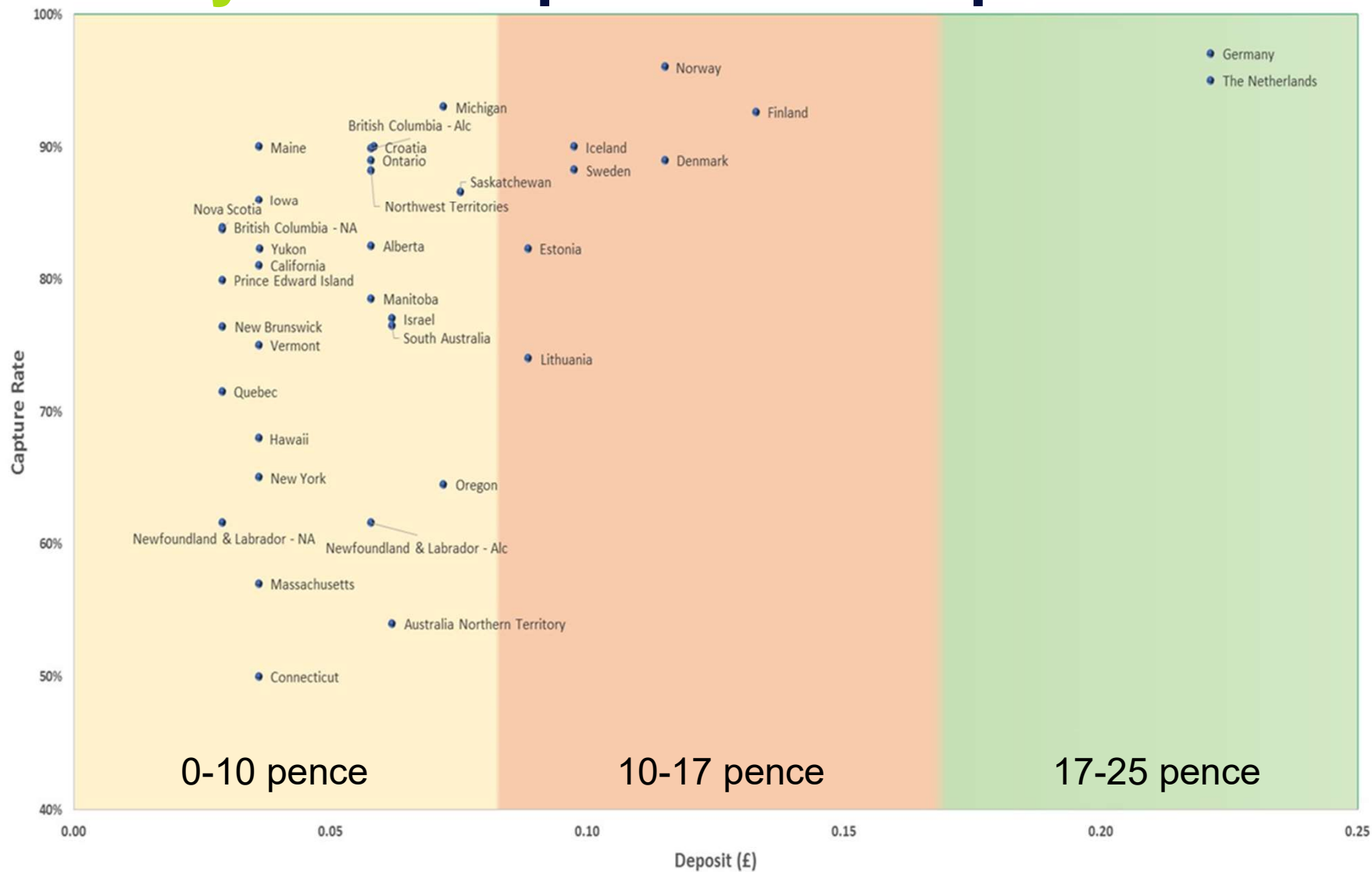
DRS rate of 10p a unit should deliver litter and behaviour outcomes

Implementation should start with plastic beverage bottles, add in cans if needed, once the impact of EPR etc can be assessed. Don't include glass.

Need to take care with format change and multipack through EPR modulated fee and DRS fee payments to restrict options to move to less recyclable options.

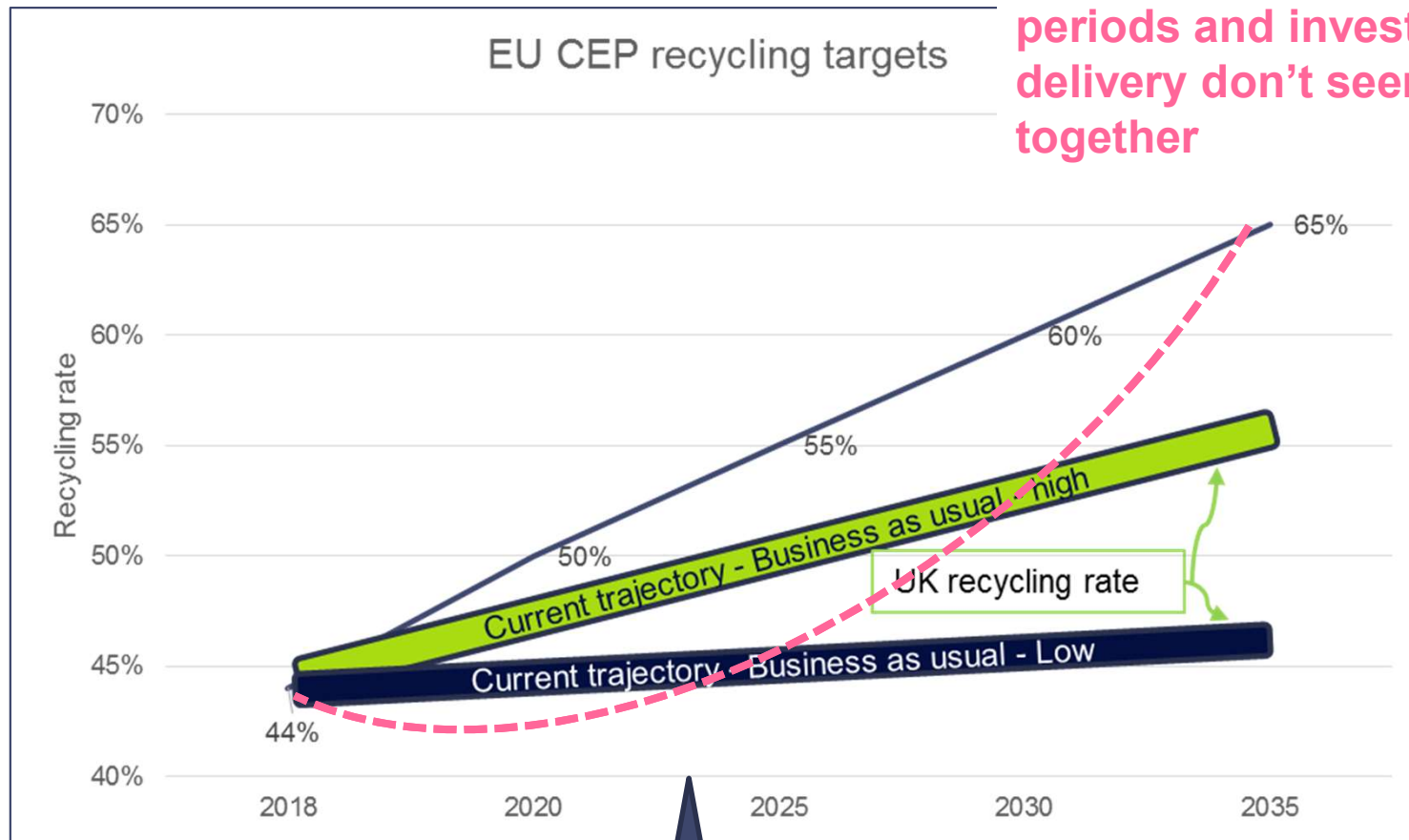
Deposit points should be focussed to achieve maximum retailer take back (including SME). All in might push points to larger supermarkets only

DRS Systems Impact of the deposit amount



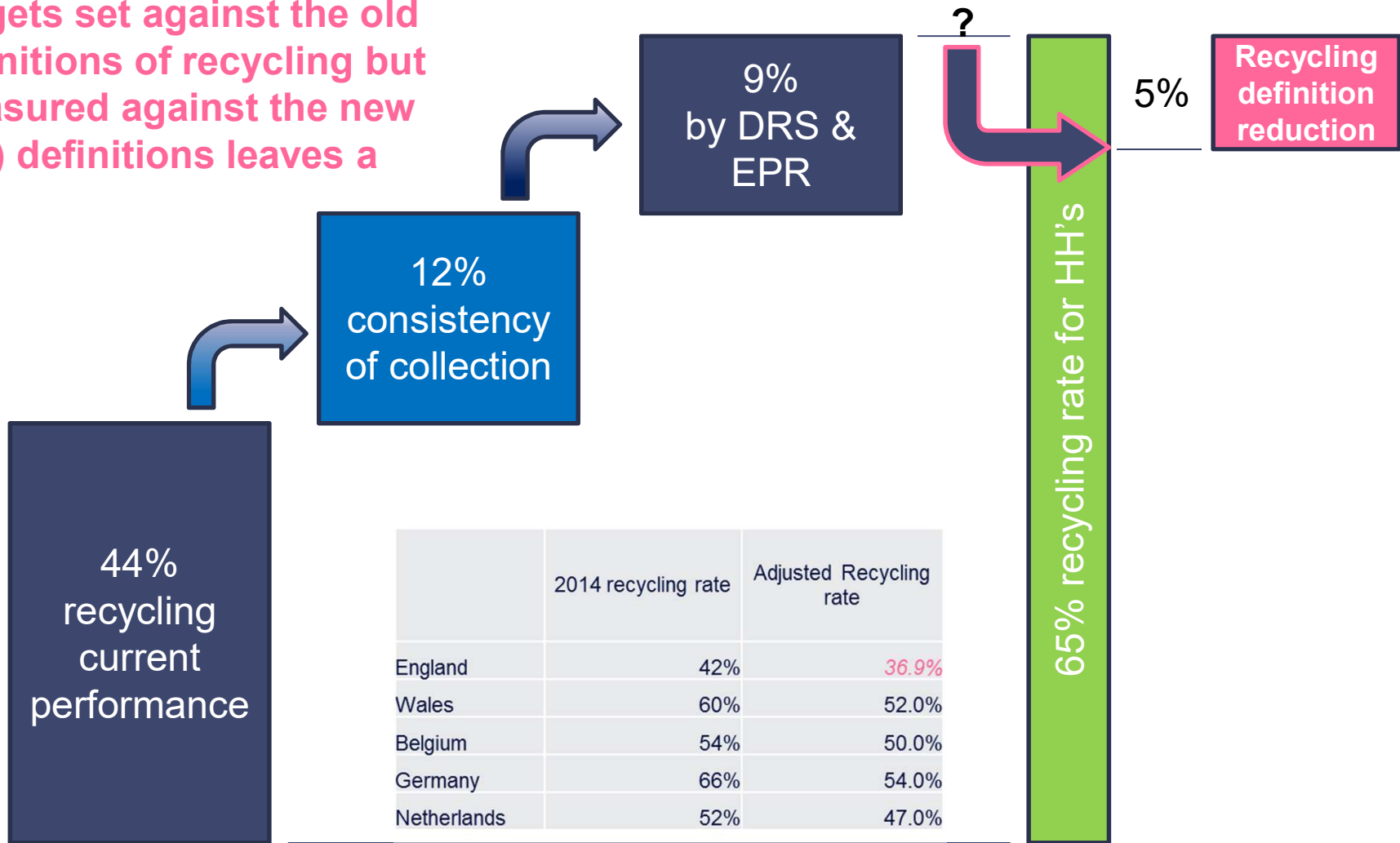
Targets | planned phasing does not work

Targets matched against policy timeframe delivery, transition periods and investment delivery don't seem to marry together



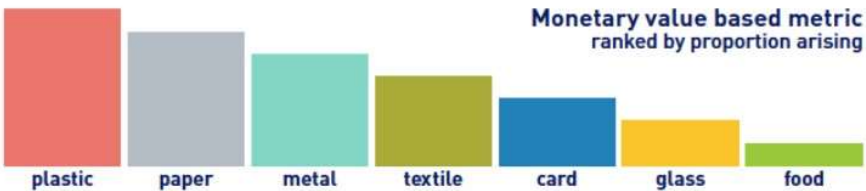
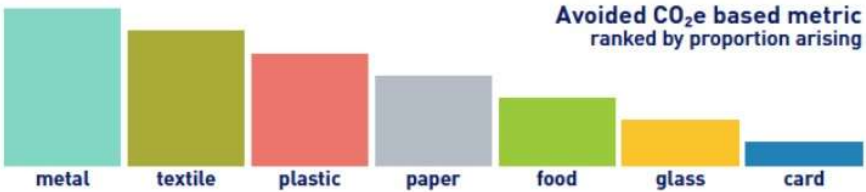
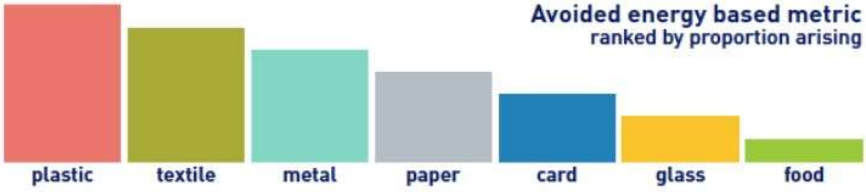
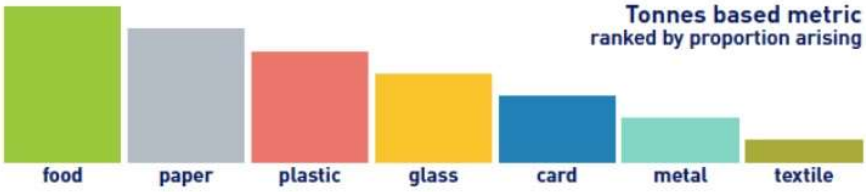
Recycling | Need for common target baseline

Targets set against the old definitions of recycling but measured against the new (EU) definitions leaves a gap



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Metrics | Fixed on weight but moving

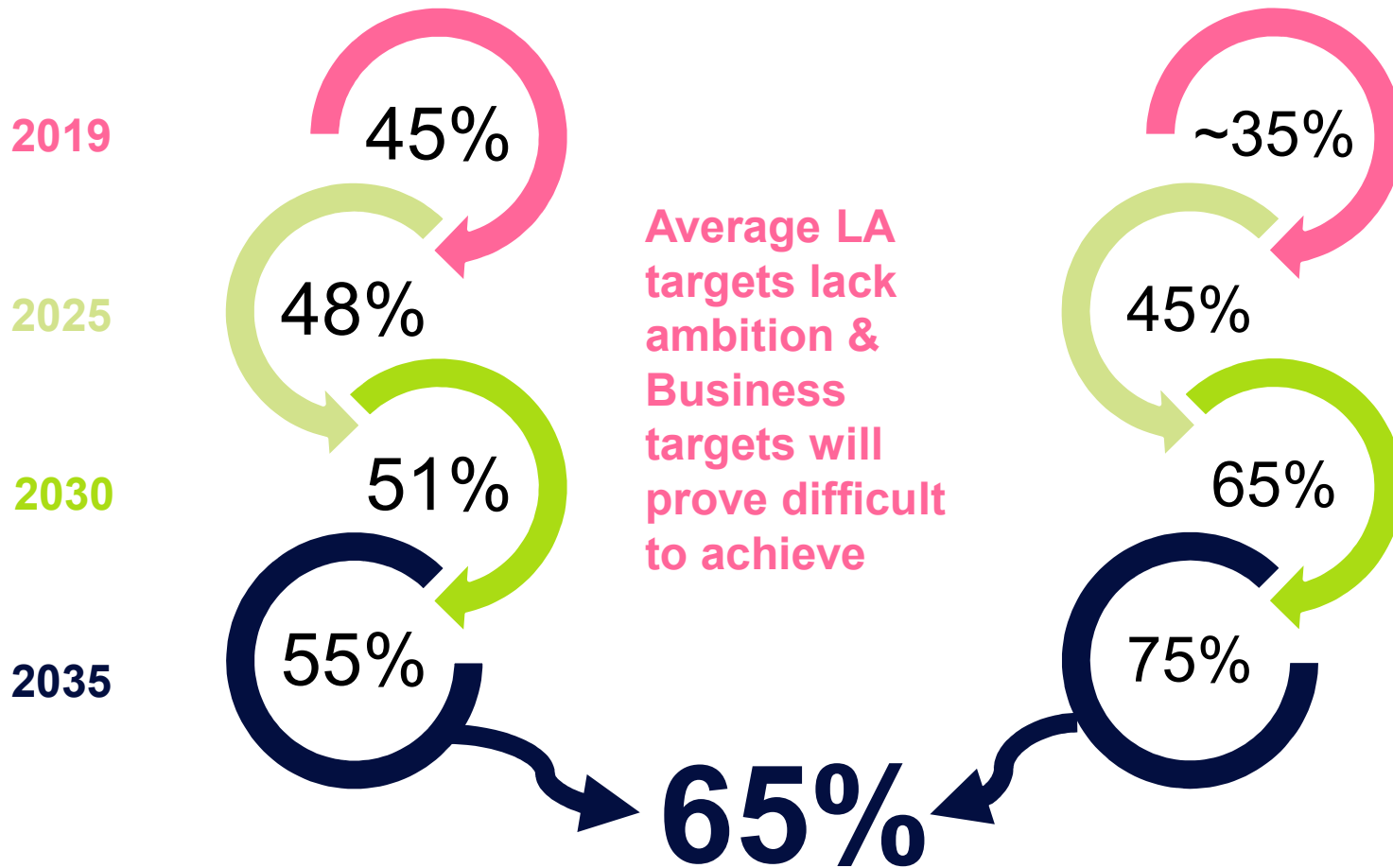


Recycling | LA & business targets proposed

(Old definition of recycling)

Average LA HHL targets

Average Business HHL targets

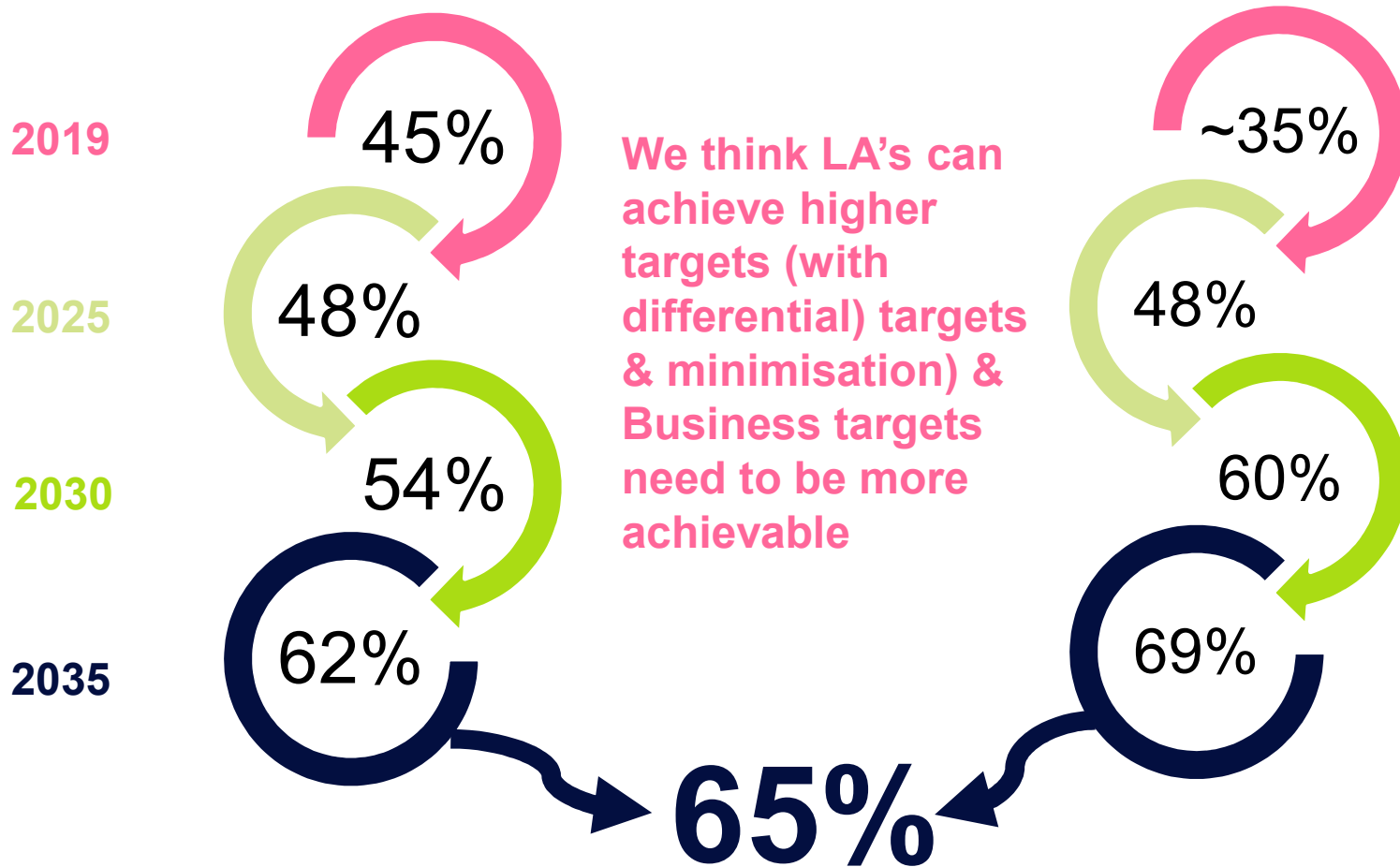


Recycling | LA & business targets 'SUEZ'

(Old definition of recycling)

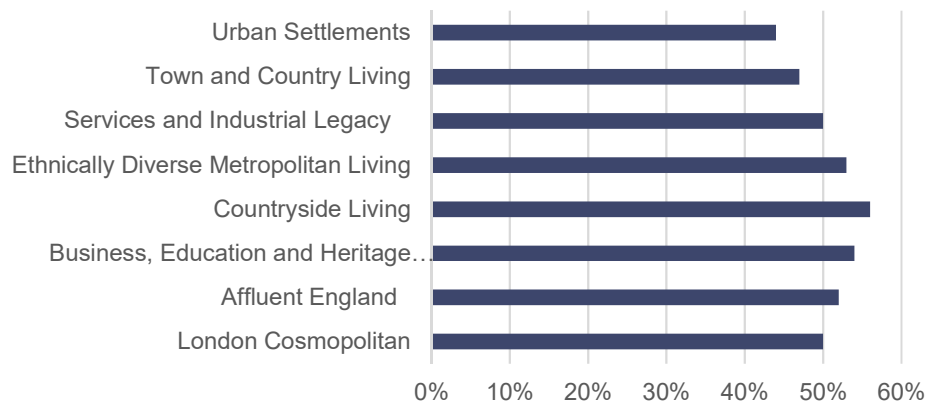
Average LA HHL targets

Average Business HHL targets



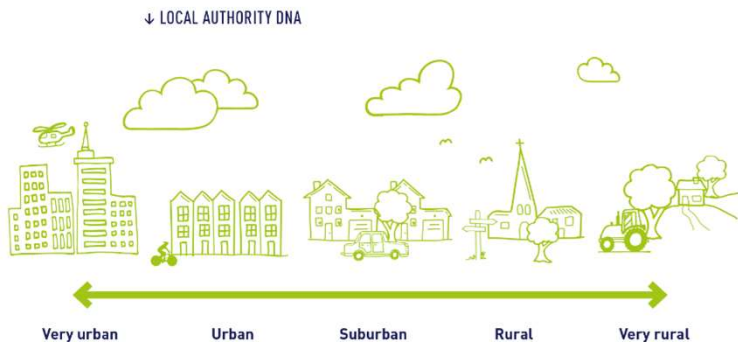
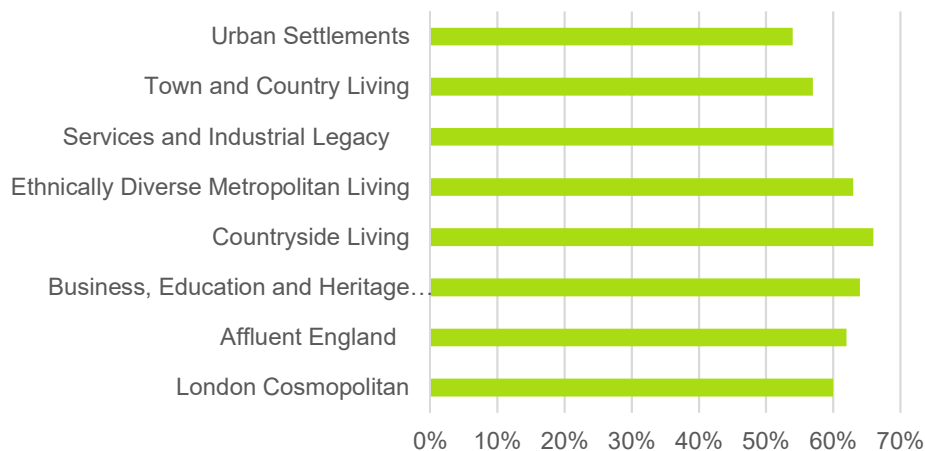
Potential Recycling uplifts | food

2025 capture rate - Food



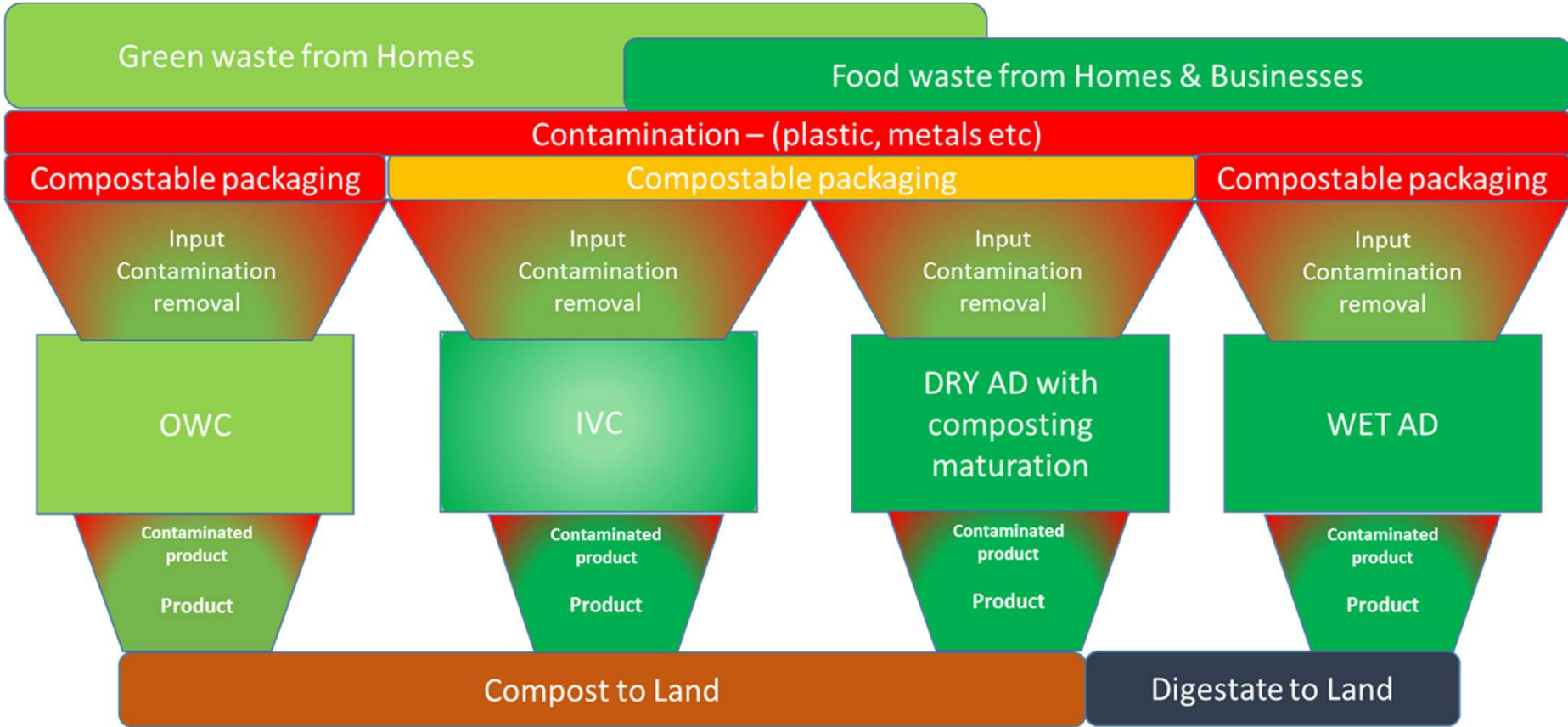
We think the defra food waste projections are optimistic and will vary by type of authority

2035 capture rate - Food



Food and Green recycling | choices

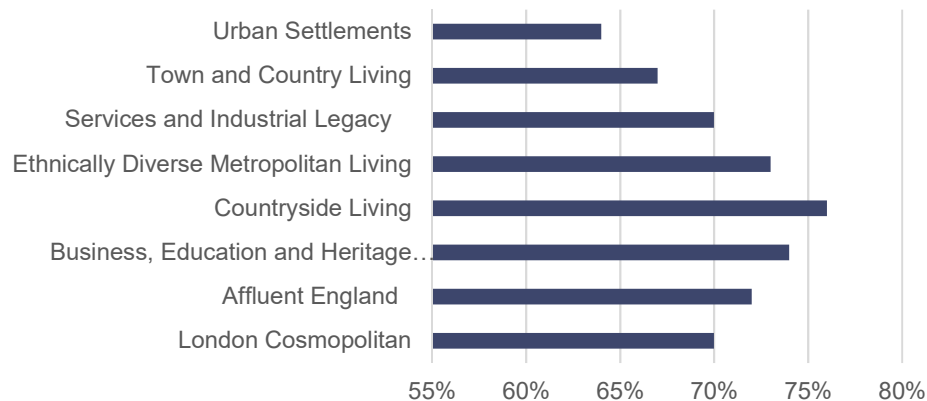
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Minute Item 41

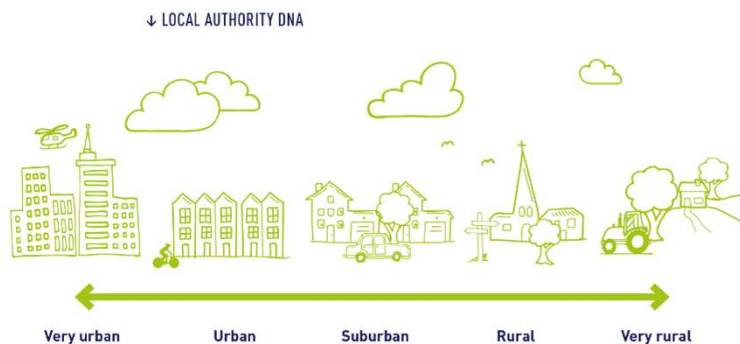
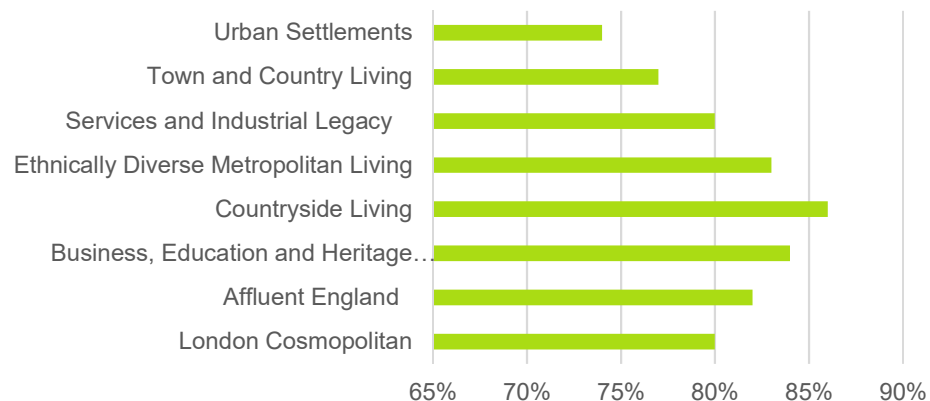
Potential – differentials on impacts

2025 capture rates - Card



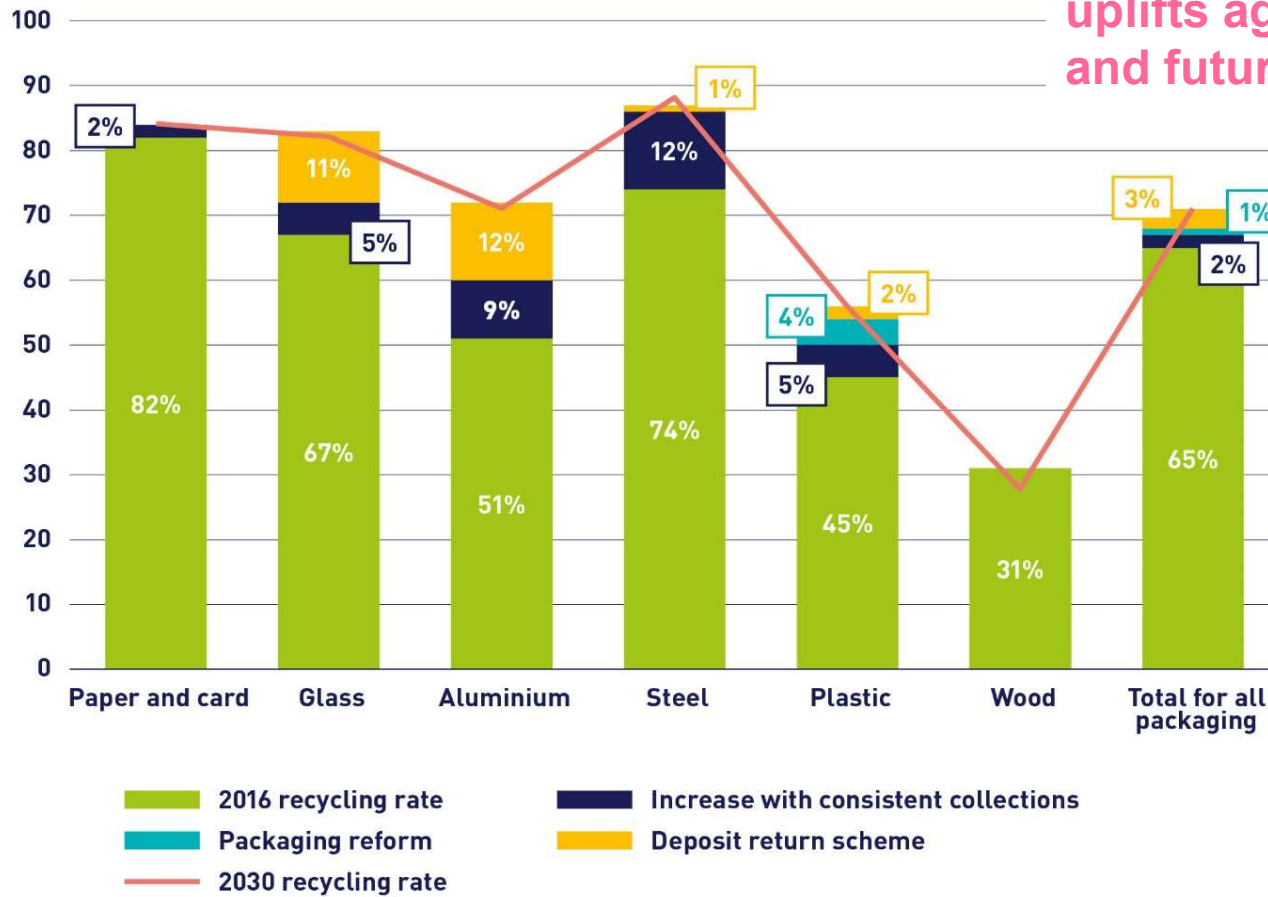
The same local impacts will apply to dry recyclable materials

2035 capture rates - Card



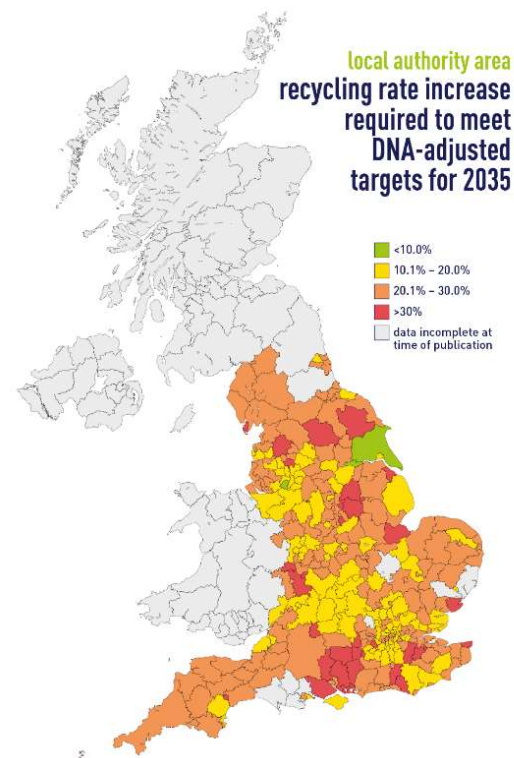
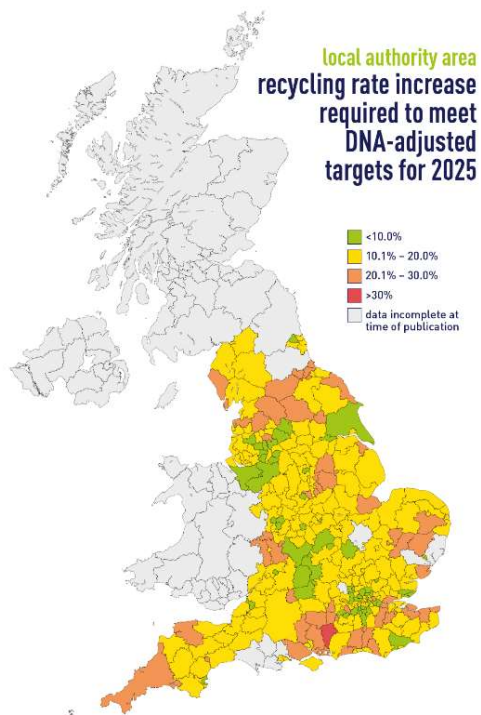
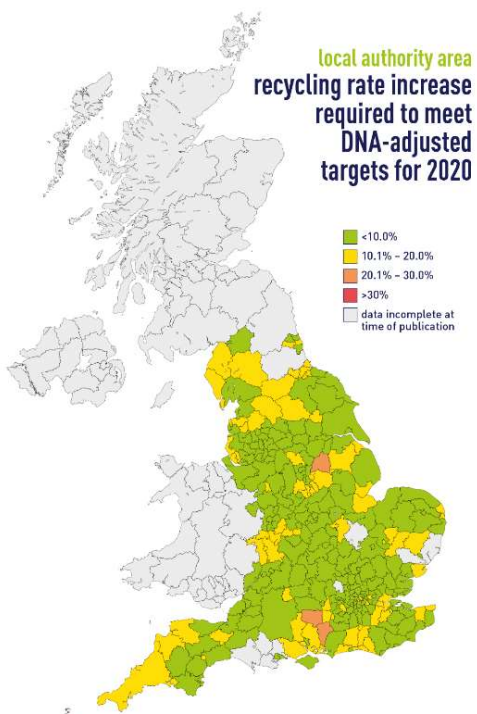
Recycling | targets by type

Recycling rates for packaging 2016-2030 with contributions from different policy interventions



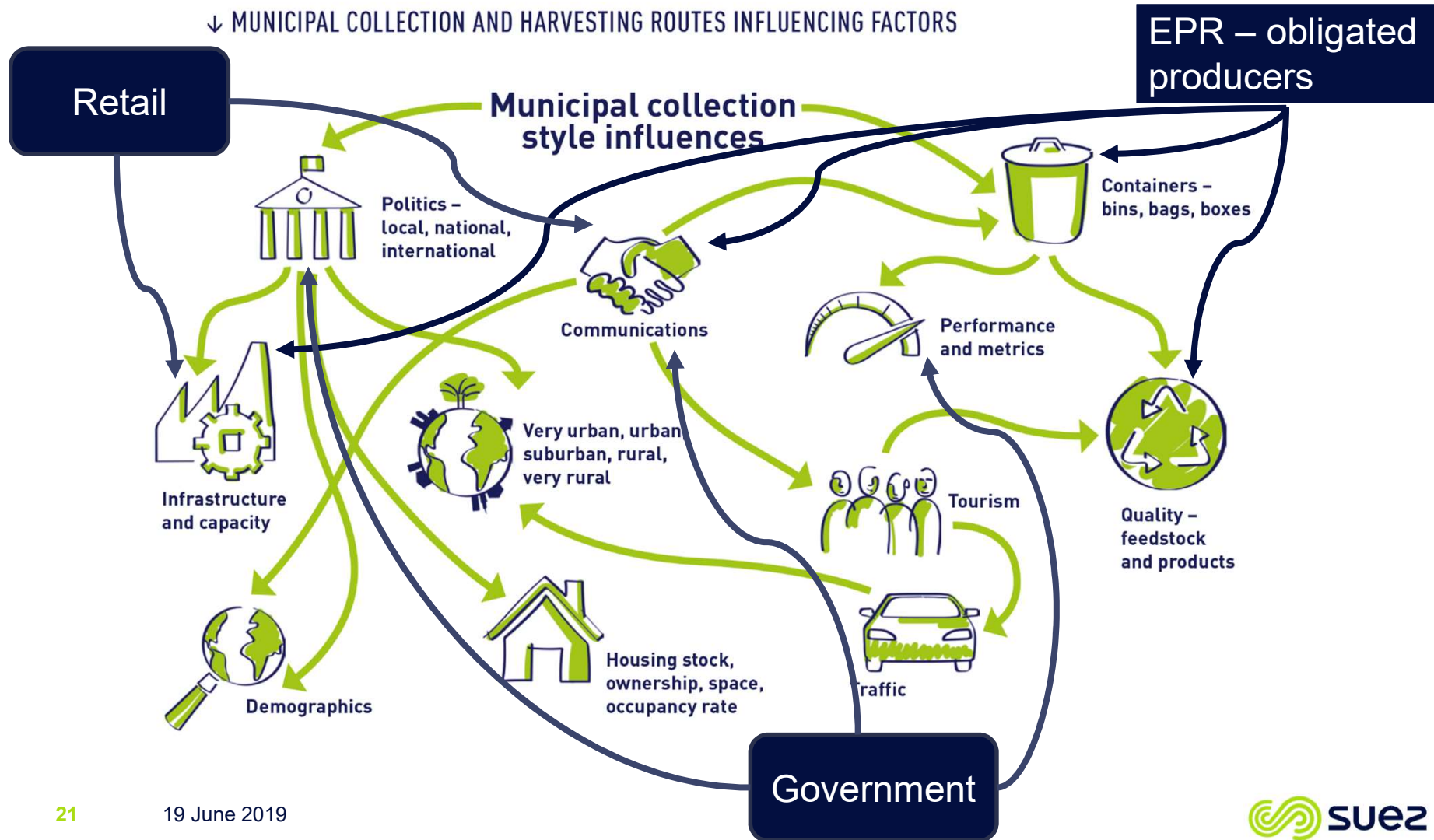
Struggle to technically correlate some target uplifts against current and future performance

Differential targets | sharing the load



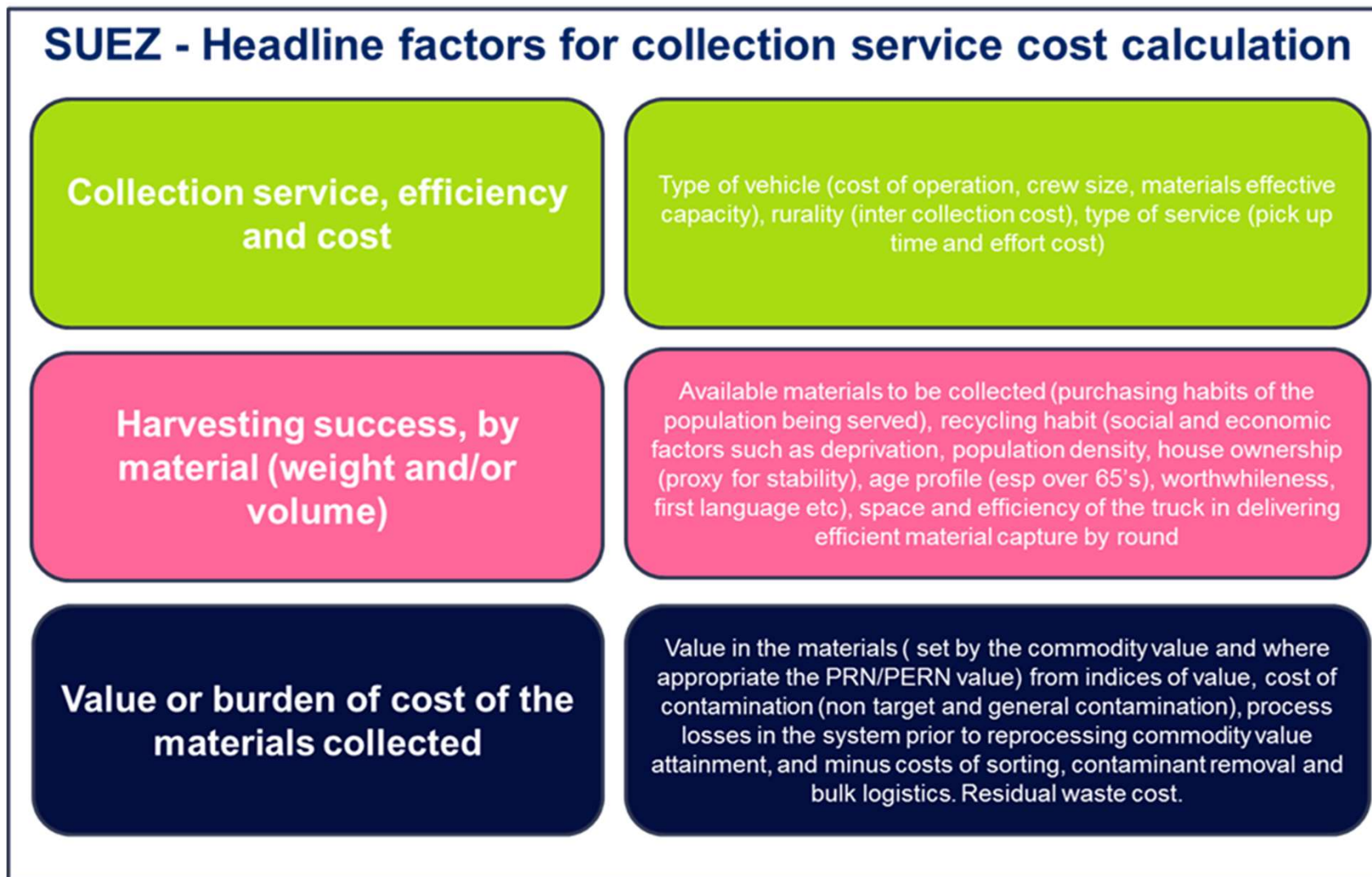
A national target with individual targets that reflect local constraints and opportunities

Value Chain | more co-ordinated

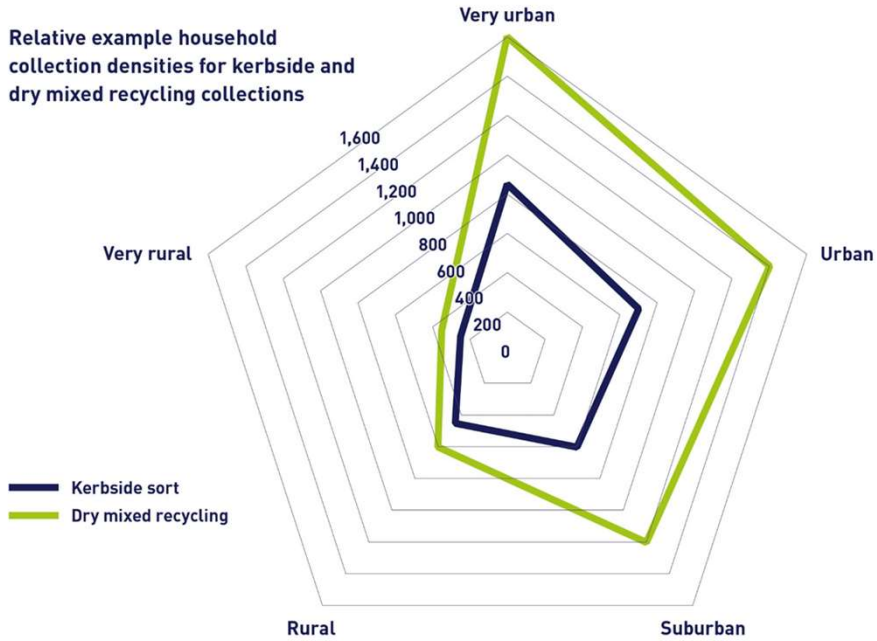


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Collection costs | a different view



Collection costs | a different view



Cost compensation through EPR Full net Cost Recovery needs to reflect local conditions

	Kerbside sort		Dry mixed recycling	
	No. of households	Indicative collection cost per household	No. of households	Indicative collection cost per household
Very urban	850	£30.00	1,600	£15.00
Urban	700	£40.00	1,400	£20.00
Suburban	600	£45.00	1,200	£30.00
Rural	450	£60.00	600	£45.00
Very rural	250	£90.00	350	£65.00

Funding | met costs (example LA only)

Net costs to LA's & waste producers - Option 3 of defra modelling of option 3 of their consistency calculations

(Excluding not realised GHG costs.savings to the public for free Green waste collections& NHM waste costs).



Funding | RAWPIC (LA net expenditure)

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Cost category	Total 2017/18 expenditure	£/hh
Street cleansing	£1,492,000	£30.31
Waste collection	£736,000	£14.95
Waste disposal	£0	£0.00
Recycling	£914,000	£18.57
Waste minimisation	£0	£0.00
Total Net Current Expenditure	£3,142,000	£63.82

By Weight	By Volume*	User Defined
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
25.1%	71.5%	
25.1%	71.5%	
25.1%	71.5%	
25.1%	71.5%	

*estimated using bulky densities assumptions

Total expenditure associated with the obligated materials	£/hh
£184,547	£3.75
£0	£0.00
£229,179	£4.66
£0	£0.00
£413,726	£8.40

Cost category	Total 2017/18 expenditure	£/hh
Street cleansing	£1,492,000	£30.31
Waste collection	£736,000	£14.95
Waste disposal	£0	£0.00
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<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
25.1%	71.5%	
25.1%	71.5%	
25.1%	71.5%	
25.1%	71.5%	

*estimated using bulky densities assumptions

Total expenditure associated with the obligated materials	£/hh
£526,593	£10.70
£0	£0.00
£653,948	£13.28
£0	£0.00
£1,180,540	£23.98

Success needs | a good system backed by the right detail & regulation

- **We are on a journey, best done by the whole value chain working together.**
- **We do need some radical changes as well as evolutionary ones.**
- **We need to keep the ambition, learn from others and accept change, but the right change, done for the right reasons.**

Thank You

