



CIWM

You are invited to attend the
North West Region Annual Christmas Lunch

To be held at
Liverpool Football Club

To be compered by
Willie Miller, comedian

on the
6th December 2019, commencing @ 11am

Tickets now available at www.ciwm.co.uk
or tix81.com



Welcome to the Darwen resource recovery park

Gary Mayson
Chief Operating Officer – Energy

Housekeeping

- Welcome to the Darwen resource recovery park
- No planned fire alarms
- Please familiarise yourself with the nearby fire exits
- The fire assembly point is outside in the car park
- Refreshment break is planned for 11:25am
- Lunch is planned for 1:00pm
- Site tours will take place after lunch at 1.40pm and 2.10pm.

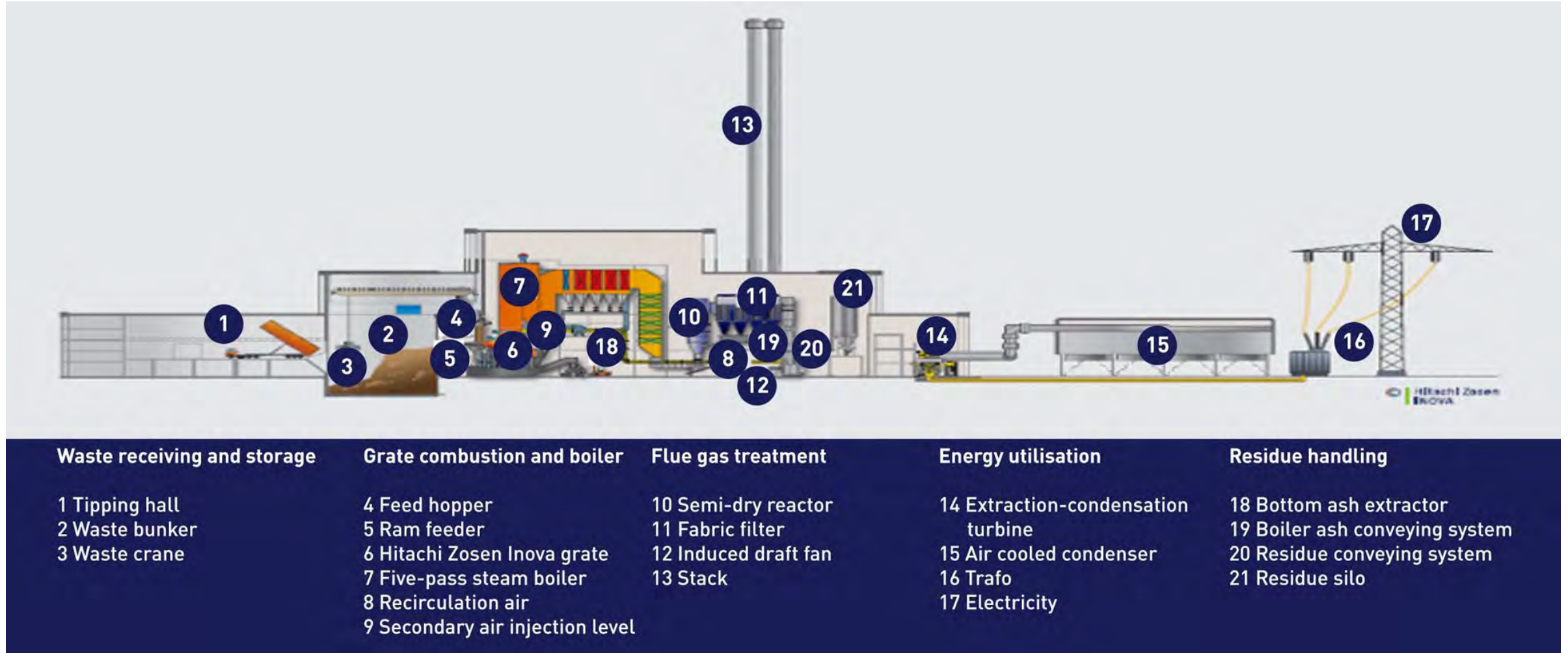


Darwen energy recovery centre

- Ambitious landmark project designed to handle ~500,000 tpa
- Planning application was approved by Blackburn with Darwen Borough Council in August 2019
- The facility would accept residual waste from across Lancashire
- Existing facilities on the site would be upgraded and relocated locally



Energy -from-waste process



Potential benefits in Darwen

- Employment
 - Creation of skilled and semi-skilled employment for c.50 people
 - Employment of apprentices at the facility
- Local business
 - Significant boost (up to £5m) to local economy during build phase
 - Potential benefit from heat offtake/private wire
- Community benefit
 - A £50,000 per annum community fund for local environmental projects
 - Education visits for schools and community groups
- Waste management
 - Provision of a long-term sustainable solution for Lancashire's residual waste
 - Drastic reduction of Lancashire's reliance on landfill



Public consultation

- SUEZ undertook a thorough public consultation
- Met with local businesses, politicians and stakeholders
- Undertook two public consultation events
- Arranged a stakeholder visit to our Suffolk EfW
- Dedicated website: www.suezdarwen.co.uk

Darwen energy recovery centre *PROPOSAL*

come along to one of our two drop-in public consultation events

15 February 2019 12pm – 7pm Darwen Heritage Centre Railway Road BB3 2RE	16 February 2019 10am – 1.45pm Blackburn Central Library Town Hall Street BB2 1AG
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To keep up to date with developments, please visit www.suezdarwen.co.uk



An artist's impression of how the Darwen energy recovery centre could look

ALL WELCOME



recycling and recovery UK



**North West
Centre**

Procuring in uncertain times & why insourcing isn't necessarily the answer to the unknown!!

**Dr Adam Read, External Affairs Director
SUEZ recycling and recovery UK
& CIWM Senior Vice President**

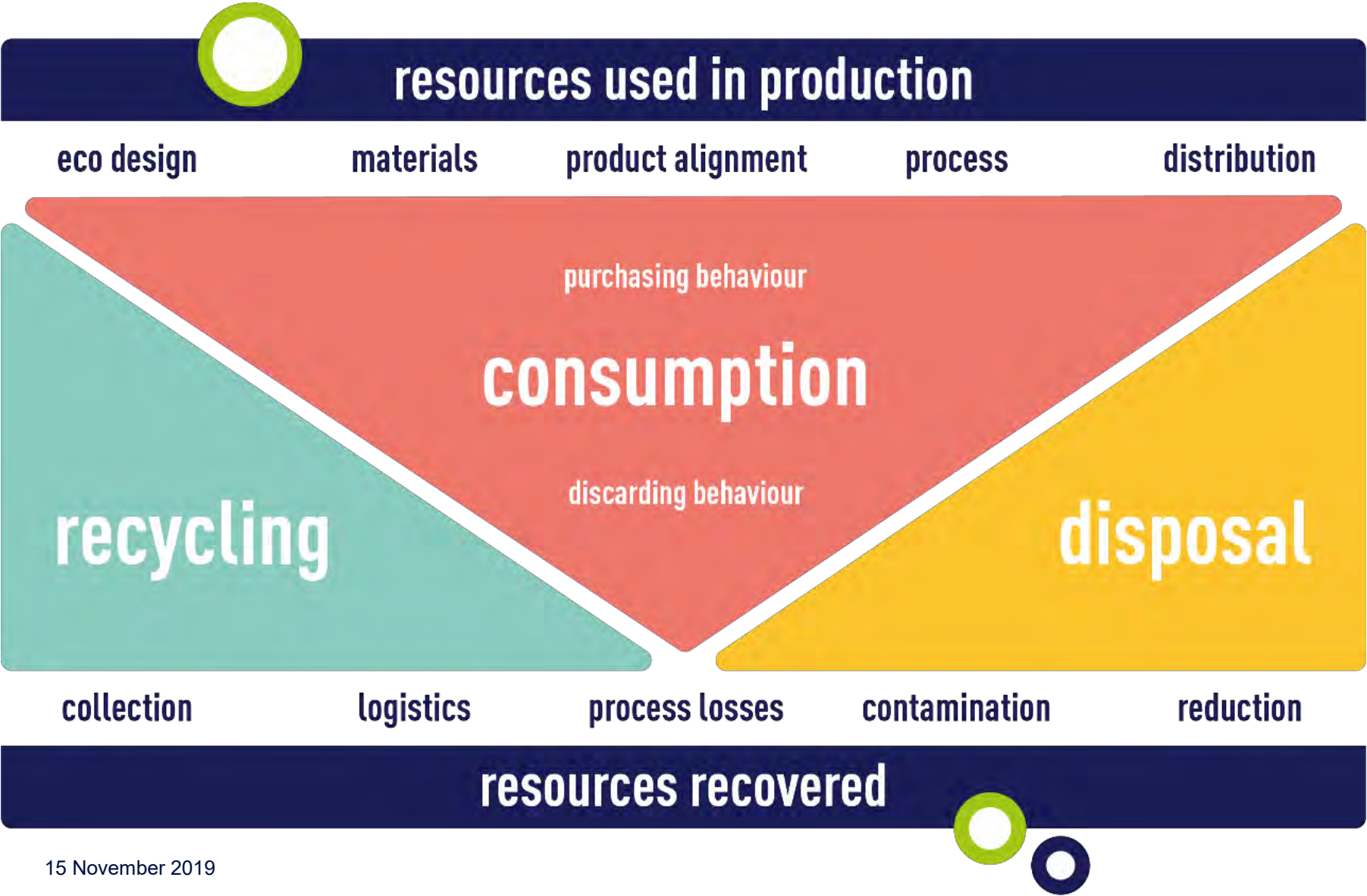
Joint CIWM & LARAC Open Meeting

15th November 2019 | Darwen (Lancashire)

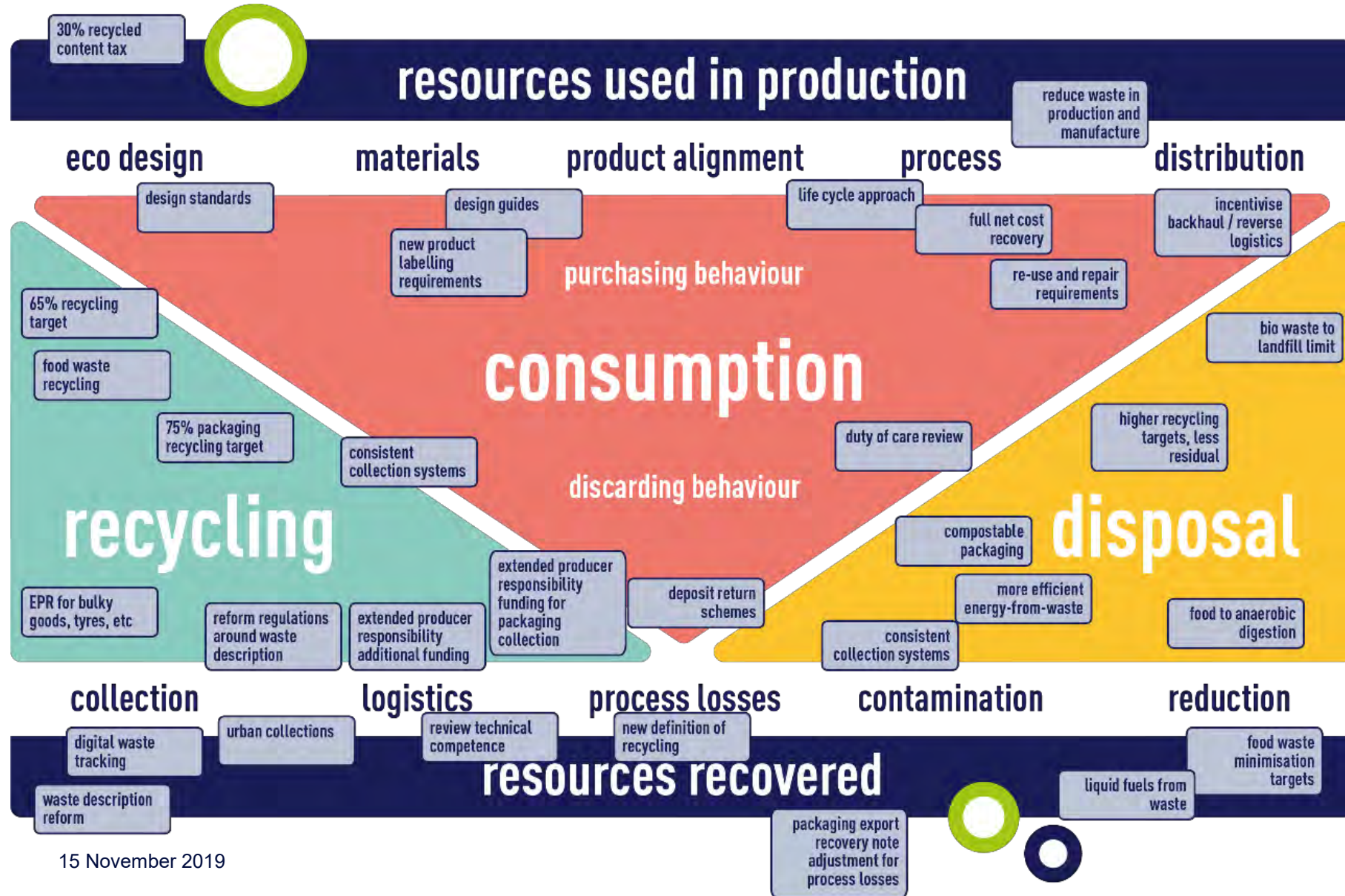
ready for the resource revolution



Policy | the system today

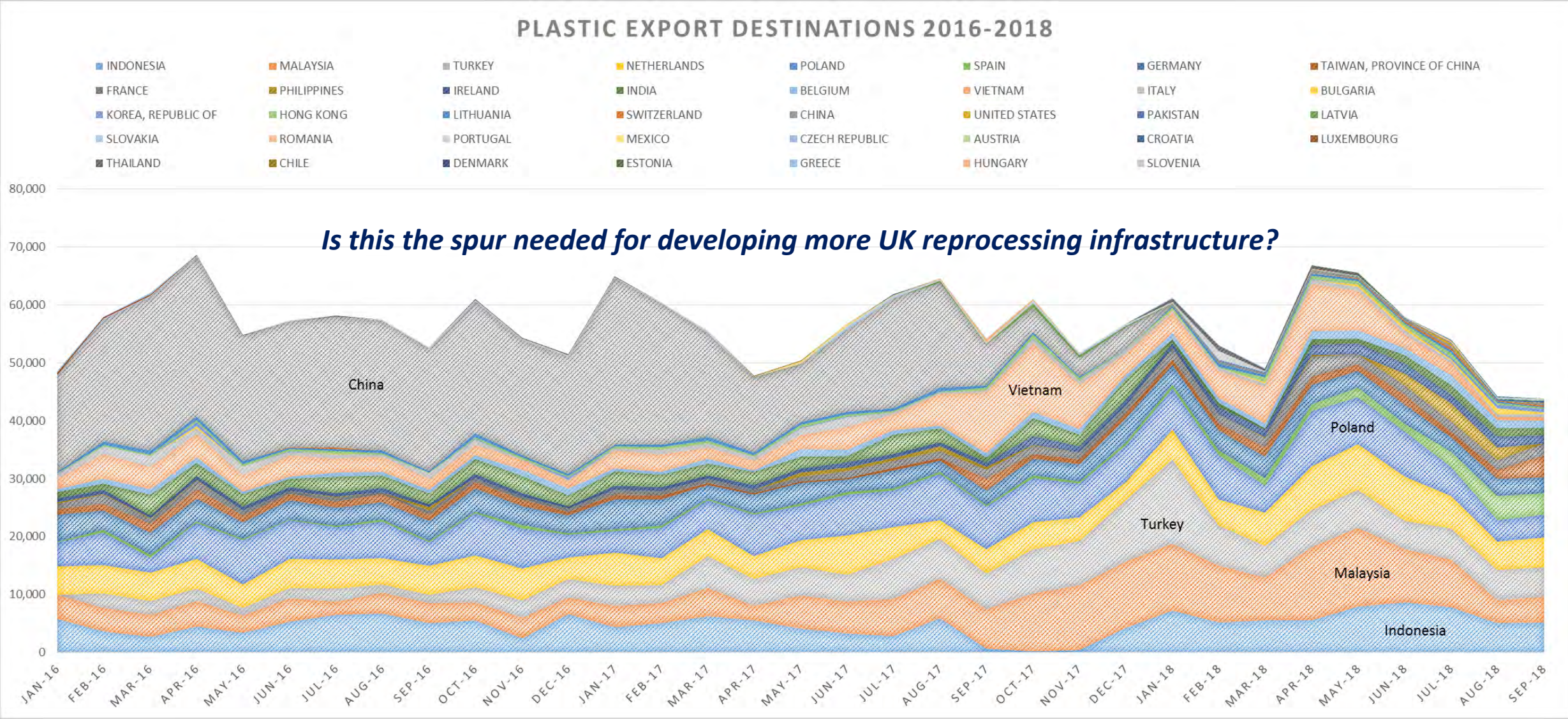


Policy | the 'changing' system of tomorrow





plastic exports (2016 to 2018) | a 'China crisis'



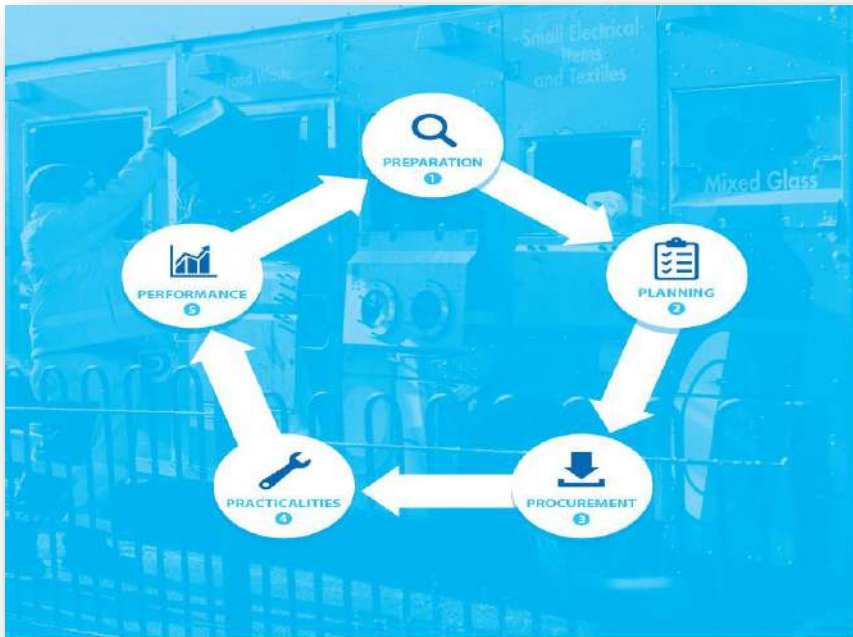
collection system innovation| kerbside sort?

- Full net Cost Recovery plus 'brand' demand for quality feedstocks for their reprocessing will make kerbside sort programmes far more desirable and affordable in most DNA areas (rural, suburban and urban)
- LAs should no longer feel constrained to go commingled
- So long as one of the 'approved' models from WRAP / DEFRA is used (for obligated materials)
- This could open up significant innovation in vehicles and delivery models



Procurement Guide | a step by step aide

- A very detailed procurement guide (18 months old)



- Available free to download <https://ee.ricardo.com/procuringwms>
- Sponsored by SUEZ & authored by Ricardo





The Somerset Experience of Procuring in Transition Times

Context for outsourcing today

Plenty of Opportunities

- 50% of waste collection contracts are 'outsourced'
- Average length of contract is 7 years
- There are many LAs looking to come to market each year for a new contract / better deal



BUT

- Identifying what you want to procure (the service) is vital...can the market do it?
- The task is made more challenging when authorities need to plan 'in service change' during the lifetime of the contract
- More challenging still when the nature of that change is not entirely clear

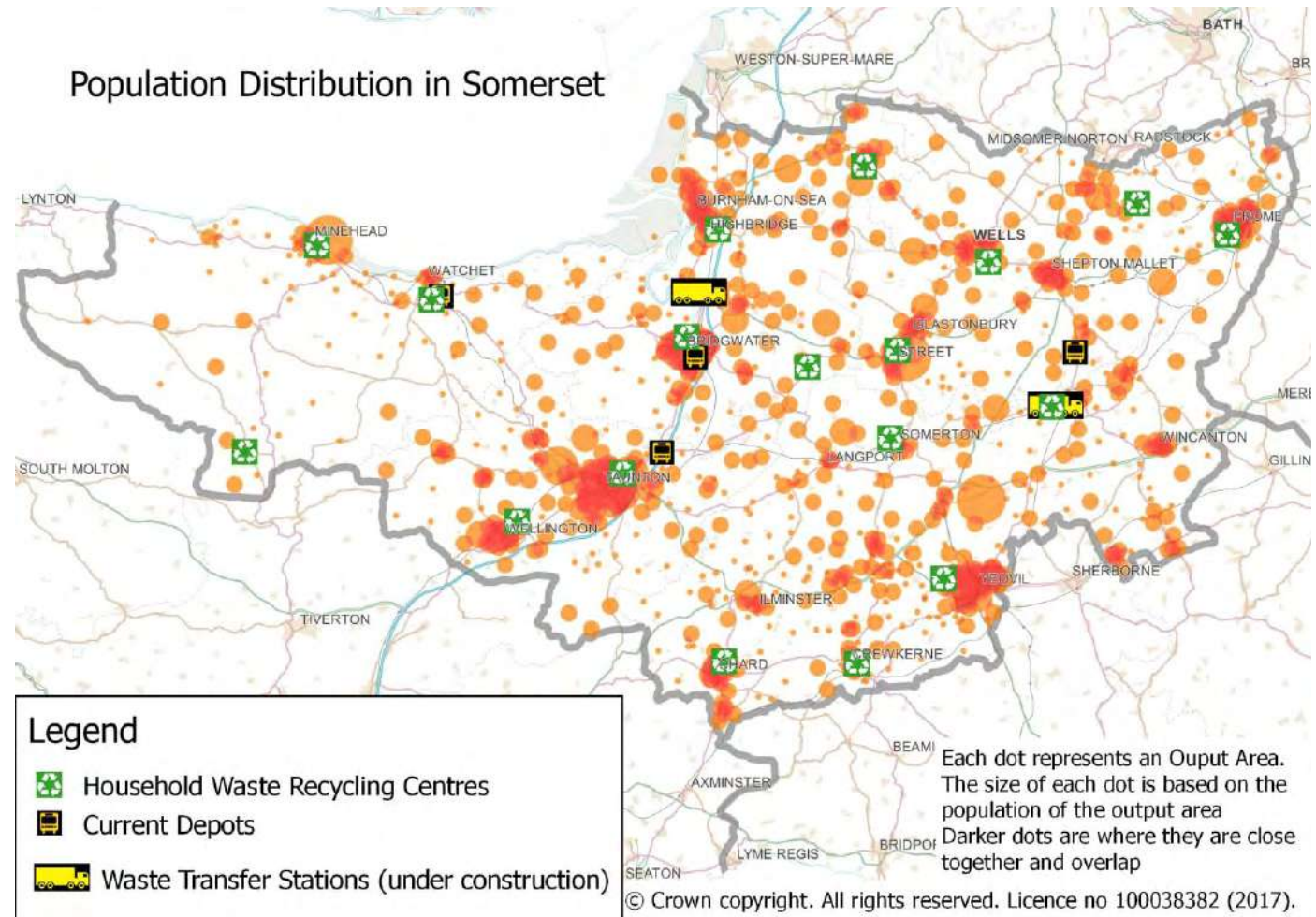
The uncertainty we are facing | plenty

- For authorities looking to procure waste services in the relatively near future, substantial uncertainty exists
 - the range of dry recyclables that must be collected at the kerbside (live consultation)
 - whether food waste must be collected from some or all properties (live consultation)
 - whether charging for garden waste collections will be allowed to continue (ongoing debate)
 - the degree to which local autonomy on service design may be limited, whether by government or in response to the wishes of packaging producers under extended producer responsibility (EPR reform)
 - the extent to which some materials will be primarily collected through Deposit Return Schemes rather than at the kerbside (DRS consultation)
 - **plus of course National and Local Politics**



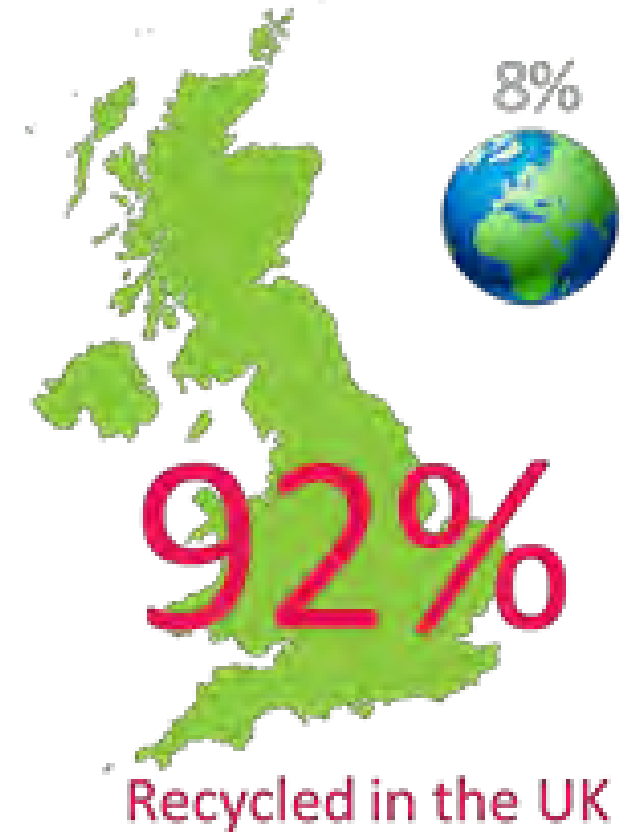
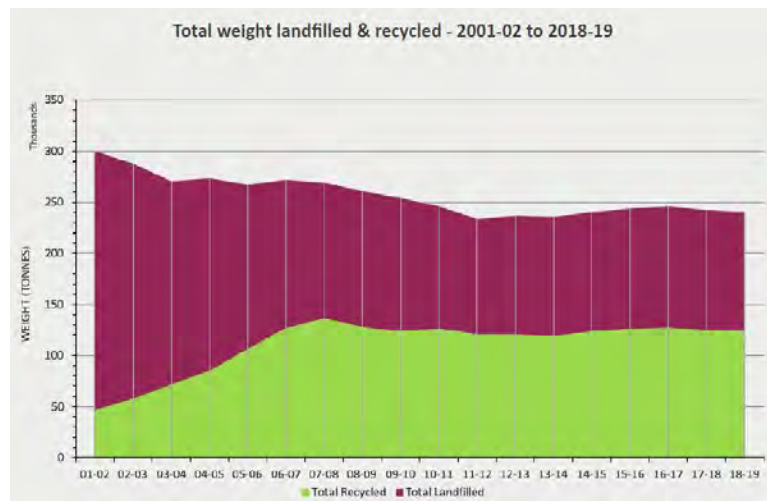
Somerset Waste Partnership

- Somerset is a large & rural county
 - 560,000 people
 - Older residents (and getting older)
- The first true county wide partnership in England
 - SWP was established in 2007
- History of innovation
 - kerbside sort, food waste collections, and a commitment to UK end market use
 - a single collection contract had been in place since 2007
 - fully-harmonised kerbside services introduced in 2011



The baseline performance

- Recycling rate of 52.4% in 2018/19 (85% participation levels, but only 62% for food)
- Independently ranked as a carbon reduction 'high flyer' every year since 2012
 - top 10% and 4th best in England
- Currently landfill 46% (until April 2020)
- Estimate a capture rate of 42% of food waste
- But recycling performance was plateauing



Scope for change

- Still too much target material going in the residual bin!



- The key is to target more of this each week
 - Plastic pots, tubs and trays (including black plastic), Food and beverage cartons (e.g. tetrapaks), Small electrical equipment (e.g. a kettle or toaster), and Household batteries



The new service | recycle more

○ What is it?

- Carry on collecting our current kerbside collection materials each week - paper; cans; glass bottles and jars, foil; cardboard; plastic bottles; textiles; shoes; food
- Add new materials to recycling collections every week - plastic pots, tubs, trays, packaging, food and drink cartons, small electrical items and batteries
- Free up refuse capacity and reduce the frequency of refuse collections to every three weeks
- Enhanced services (e.g. cardboard and mixed plastics) for people with communal bin stores

○ How did they get there?

- Service trials (2014)
- Options appraisal (2015): undertaken by Eunomia
- Decision making (2016/17): SWB & all partner authorities to set environmental and financial ambition
- Failed negotiations with incumbent contractor (2017)
- Agreed early expiry with Kier (2017) – expires in March 2020
- Agreed upon procurement strategy, soft market testing, established member task and finish group (2017)

Key issues throughout the procurement

- Proving that Recycle More and source segregation is the right way forward
- Delivering the original savings target of £1.7m (set in 2016)
- Ensuring they had depot infrastructure 'fit for the future' - new vehicles will require considerable change to depots
- How to share risks on recycling value (procurement process drove this)
- How to deliver environmental ambitions (not just quantity but quality of materials)
- How to manage risk of changes in national policy (the big 'known unknown')
- Whilst scale of SWP was an advantage, it (and kerbside sort) inherently limits market

Be realistic - it takes time!

Phase	Time	Comments
Soft Market Engagement	Nov 2017 – Feb 2018	To ensure SWP maximises market interest, to help inform our approach (esp. on risk share)
Pre-qualification	Mar 2018 – May 2018	Mandatory phase
<i>Outline Solutions</i>	<i>Phase removed as not considered sufficiently beneficial</i>	
Dialogue on proposed solutions	May 2018 – Dec 2018	Focussed conversations on key issues (e.g. assets, risk, efficiency and consideration of possible variants)
Final tenders	Jan 2019 – April 2019	Includes, evaluation, governance (ahead of pre-election period for DC elections in 2019) and standstill period.
Mobilisation	May 2019 – end March 2020	New provider gearing up to commence service (inc. procurement of new fleet)
Service Transition	July 2020 – March 2022	Phased transition (total c250,000 households) and reflecting need for depot improvements

Shifting policy sands

The changing policy context

- It became clear to ALL parties during the procurement process that the Government would announce important policy changes that would take effect during the lifetime of the contract
- It was important to give bidders confidence that the partnership understood the changes and that its service requirements would not change dramatically as a result
- The procurement timetable and service specification needed to be mapped against the new resources and waste strategy, and planned consultations, to provide bidders with assurance that the procurement would not be adversely affected

What the market likes (d)

- A well-resourced procurement team who knew what they wanted
- Picking the right procurement route
- Focus dialogue on operational issues that will have the biggest impact on the quality and performance of the resulting contracts (and costs)
- Commercially sensible outcomes can be found to manage many risks
 - Reduce the council's exposure at an acceptable cost; and make the contract viable for the contractor
- Not every risk can be managed up front, so contractual processes are likely to be needed to ensure ongoing positive interaction to solve problems
- Draft a contract to allow for likely changes where future requirements are uncertain BUT not for a wide range of alternative options that might be adopted

Somerset Waste Partnership's reflections

- SWP feels that the process worked well and delivered its objective
- SWP were happy to use expert consultants for appropriate and timely support
- SWP believed that early market engagement to confirm where the biggest potential issues were for potential contractors was key in getting competition
- SWP believe that they have a solution that manages risks in a way that both parties could accept
- SWP have found a 'partner' who can work through the uncertainty together

SUEZ's perspective

- A well organised process, suitably timetabled, so we could get the right people to each session
- A responsive client team, answering questions & clarifications
- A client that had appropriate support from 'specialists' to keep things on track
- A flexible client who enabled the process to evolve as details changed, allowing us to test ideas, confirm priorities and reflect on local circumstances etc.
- The client tried to reduce the degree of uncertainty in the process brought about by impending policy changes
 - by modelling the impacts of some of the proposals (consistent collections, EPR reform and DRS) and sharing their analysis with the bidders throughout the procurement.....
 - this reduced the risk to the bidders and as such risk buffers were not required on the cost of the services, delivering better 'vfm' and a true costed proposal

So what does success look like?

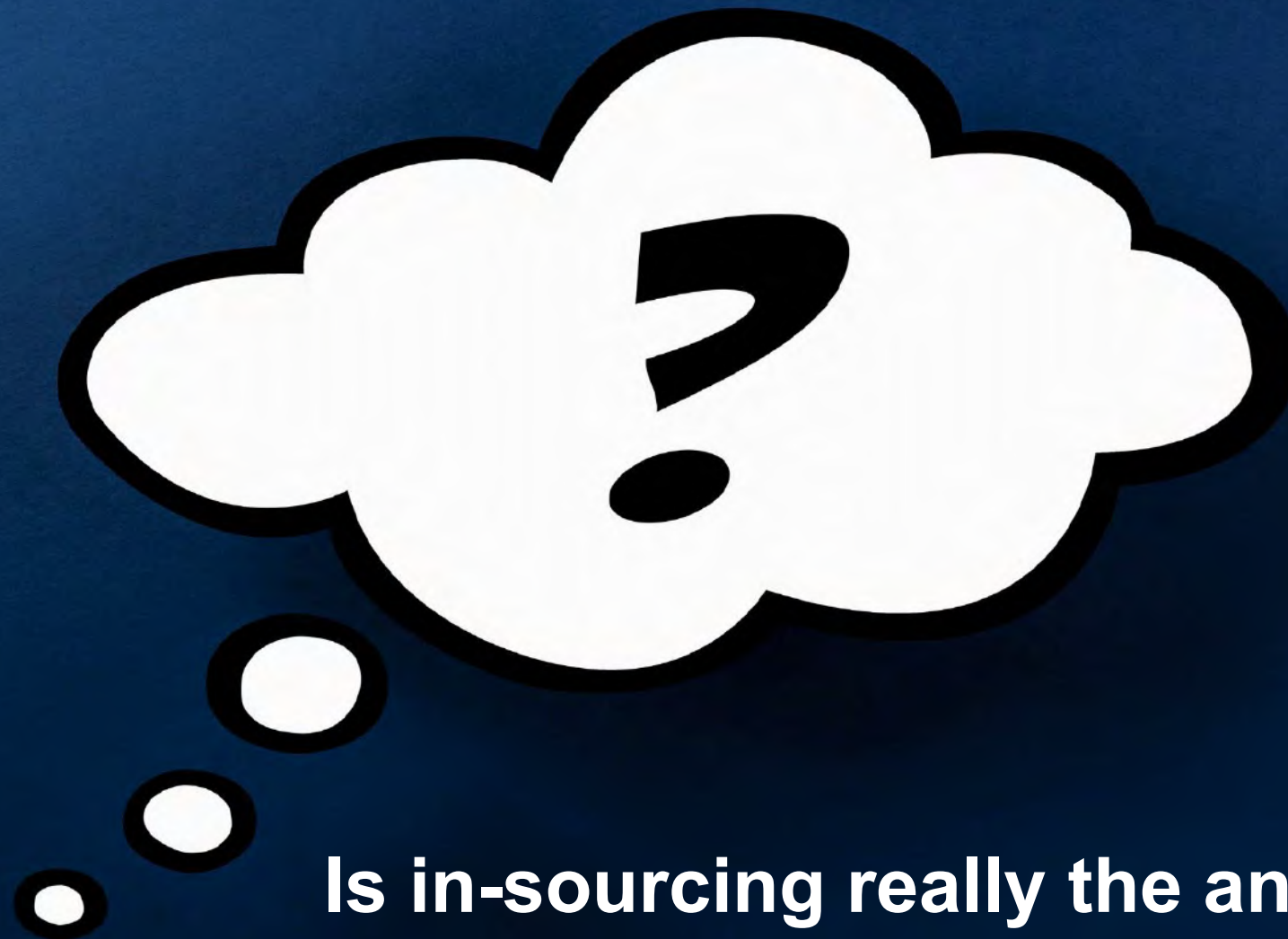
- Represents good value for money
- Meets SWP's objectives
- Allows for changes, by negotiation
- Provides some protection for all parties
- ALL parties involved in the process agreed that it was particularly effective in the following areas:
 - Maintaining competition, despite a relatively quick timeline and a specification that few contractors had experience of delivering
 - Managing uncertainty, particularly with regard to the value of recyclable materials, but also maintaining bidder confidence in the face of emerging policy change
 - Achieving an outcome that is good value for money, and which retains flexibility
 - Retaining a focus on the main commercial and practical issues



A new guide | soon to be launched!



Next week's webinar, register here: <http://bit.ly/31HU0ju>



Is in-sourcing really the answer?

The drive to in-source | gathering pace

The Labour Party’s Shadow Chancellor, John McDonnell, has promised to end privatisation of council services and create a new partnership between local government and central government.



DEMOCRATISING LOCAL PUBLIC SERVICES

A Plan For Twenty-First Century Insourcing

*A Labour Party Report
Community Wealth Building Unit*

Labour

Insourcing:

A guide to bringing local authority services back in-house

30 JULY 2019

by Lucy Pegg

Council heralds in-house waste switch

A Sussex council has described its switch to an in-house waste services as a ‘resounding triumph’.

Eastbourne borough council took over its waste, recycling and street cleansing services from Kier on June 29, after withdrawing from the East Sussex Joint Waste Partnership.

This came after Kier agreed to an early end to the contract due to ‘significant’ changes in the recycling market (see [letsrecycle.com story](https://letsrecycle.com/story)).

Moving to an in-house service –

In-sourcing services

Collaborating with Eunomia & the ESA

- LAs are under huge pressure to maintain service levels for their residents, improve recycling performance, and above all to save money
 - Councils are best placed to decide how they want to manage these trade-offs
 - BUT we believe that the market is best placed to deliver value for money on the majority of these services
- There are two main reasons that some Local Authorities are looking at in-sourcing their services: savings and flexibility
 - Up-front savings are gained by avoiding the need to go through a procurement process with associated advisors' fees, plus not having to pay a contractor's profits would also generate ongoing savings
 - Authorities which choose to follow a Teckal exemption additionally claim that this generates savings relative to the full in-house (DLO) option through reduced pension costs resulting from not enrolling Teckal company employees in the Local Government Pension Scheme
 - The fixed (often up to 10 year) term of a contract combined with the continuously changing nature of waste legislation also makes an in-house option appear seductive as the Authority would retain greater control and oversight of the services, and therefore more flexibility.

ESA - fact or fiction?

- Financial savings from avoided procurement costs
 - Efficiency savings made over the life of an outsourced contract will heavily outweigh up-front procurement costs
- Financial savings from not paying the operator's profits
 - Margins on collection contracts are low
 - Profits incentivise the contractor to drive efficiencies throughout the life of the contract
- Financial savings from not enrolling Teckal employees in Pension Scheme
 - There is conflicting advice as to whether these savings can be realised without opening up the Authority to potential legal challenge due to the creation of a two-tier workforce
- Flexibility to respond and address changing legislation
 - A well commissioned contract will provide appropriate flexibility mechanisms for the Authority and its contractor to work in partnership to find the best solutions to any legislative changes.
 - Outsourcing usually protects the Authority from the costs of complying with changes in general law. In recent years these have included the National Minimum Wage, Apprenticeships Levy and auto-enrolment pensions etc.

Experience counts

- Draw on experiences elsewhere to see what might work and what didn't (and why)
- Contractors with portfolios of multiple contracts are able to take advantage of economies of scale to push down costs and have the flexibility to move resources between their contracting Authorities to maintain services if unforeseen circumstances require it
- Contractors are used to delivering service change and working through uncertainty
- Experience shows that service costs tend to rise faster than general inflation, so by indexing service costs against inflation measures, the use of a contractor protects an Authority against additional cost pressures

Open competition | delivers Best Value

- Councils are still committed to delivering Best Value for their residents
 - The ESA believes that this is best demonstrated through an open tender process which uses the market to find the best solution for an individual Authority
- Projected savings from in-house solutions not exposed to competition are often an illusion
 - They don't take account of risk transfer under an outsourced solution, and the assumptions used to benchmark against the market comparison are often inaccurate
 - The only way to genuinely test solutions against the market is through an open tender process.
- Good up-front market testing will lead to well commissioned and well procured services
- Well commissioned services will include the flexibility that councils need in the contract so that the service can adapt to legislative changes over the life of the contract

New policies around EPR

Brands demand efficient services!

- Brands won't want to overpay to get their packaging back.....
 - So how do you prove your services are vfm? And how do you compare performance?
 - What is an acceptable benchmark for each collection service / MRF etc.?
 - Are your accounts transparent (we know our contracts are)

The 10 extended producer responsibility principles originally established by SUEZ

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

© SUEZ recycling and recovery UK

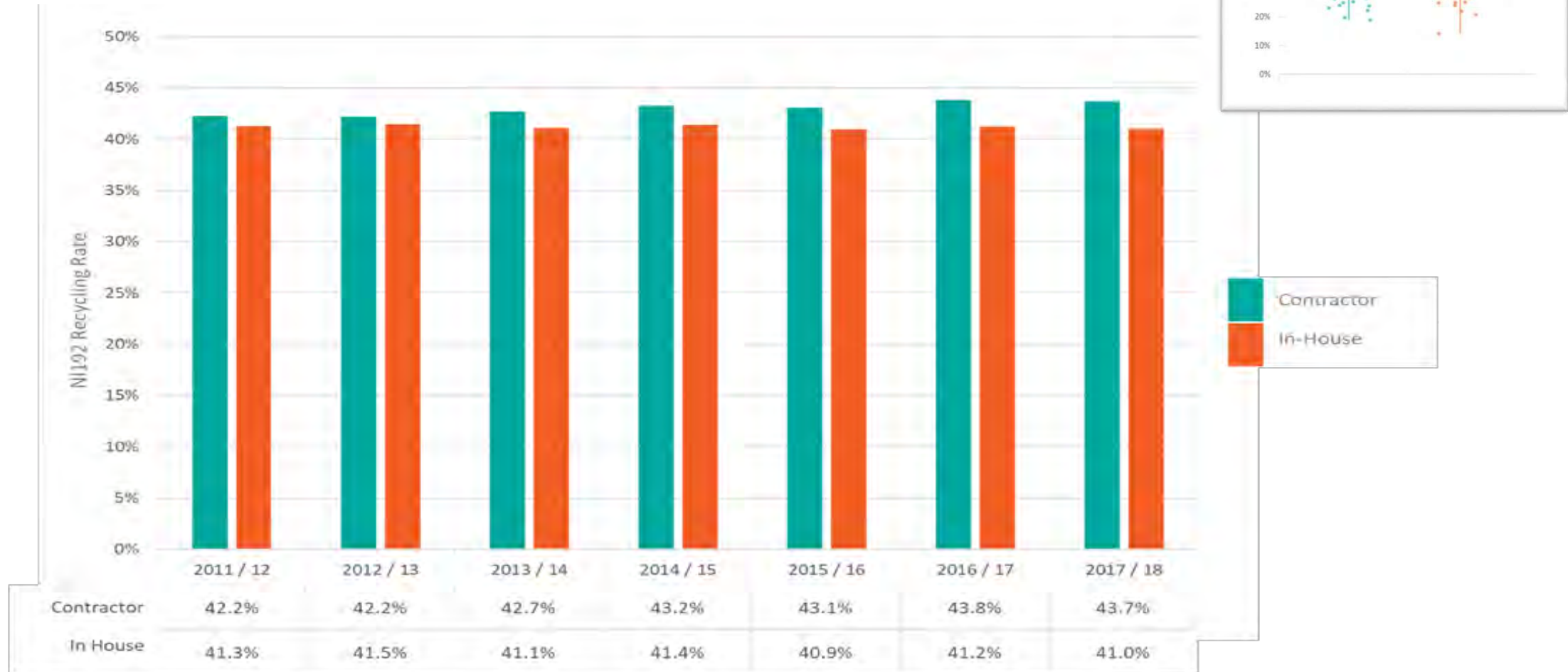
Eunomia's report

- ESA commissioned Eunomia to take a closer look at how insourced and outsourced services, performance and costs compare (2019)
- Focused only on LAs in England
 - Revenue Outturn data is more detailed in England than in devolved nations
 - Avoids distortion from Welsh central spending to boost recycling
 - <https://www.gov.uk/government/collections/local-authority-revenue-expenditure-and-financing>
 - Used WRAP LA database to check service provision
- Study focused on comparing 58 authorities
 - 22 contracted out their services
 - 36 provided their services in-house

The sampling and data approaches adopted

- Remove UAs (58 Authorities)
 - they distort data as have both budget lines (WCA and WDA)
- Remove all authorities who had only one contracted service
 - recycling was contracted and refuse was provided in-house etc., as well as authorities who were part of a Joint Venture arrangement (13 LAs)
- Most common service frequency was Alternate Weekly Collections (AWC)
 - this was picked as a key factor within the sample to give largest group (82 authorities removed)
- Removed authorities that were likely to be 'extreme'
 - extremely rural, extremely urban, or demographically were dissimilar to others remaining in the sample, another 44 authorities were removed
- Removed any authority which had changed its service within the last 7 years
 - 69 authorities were removed, as hard to compare when not in steady state and no longer term data stream
- 1 further LA removed due to odd & missing data sets

Recycling rate variation?



Sample = 292

All England Authorities operating In-House or Contracted Out (some Authorities who report together are counted together)

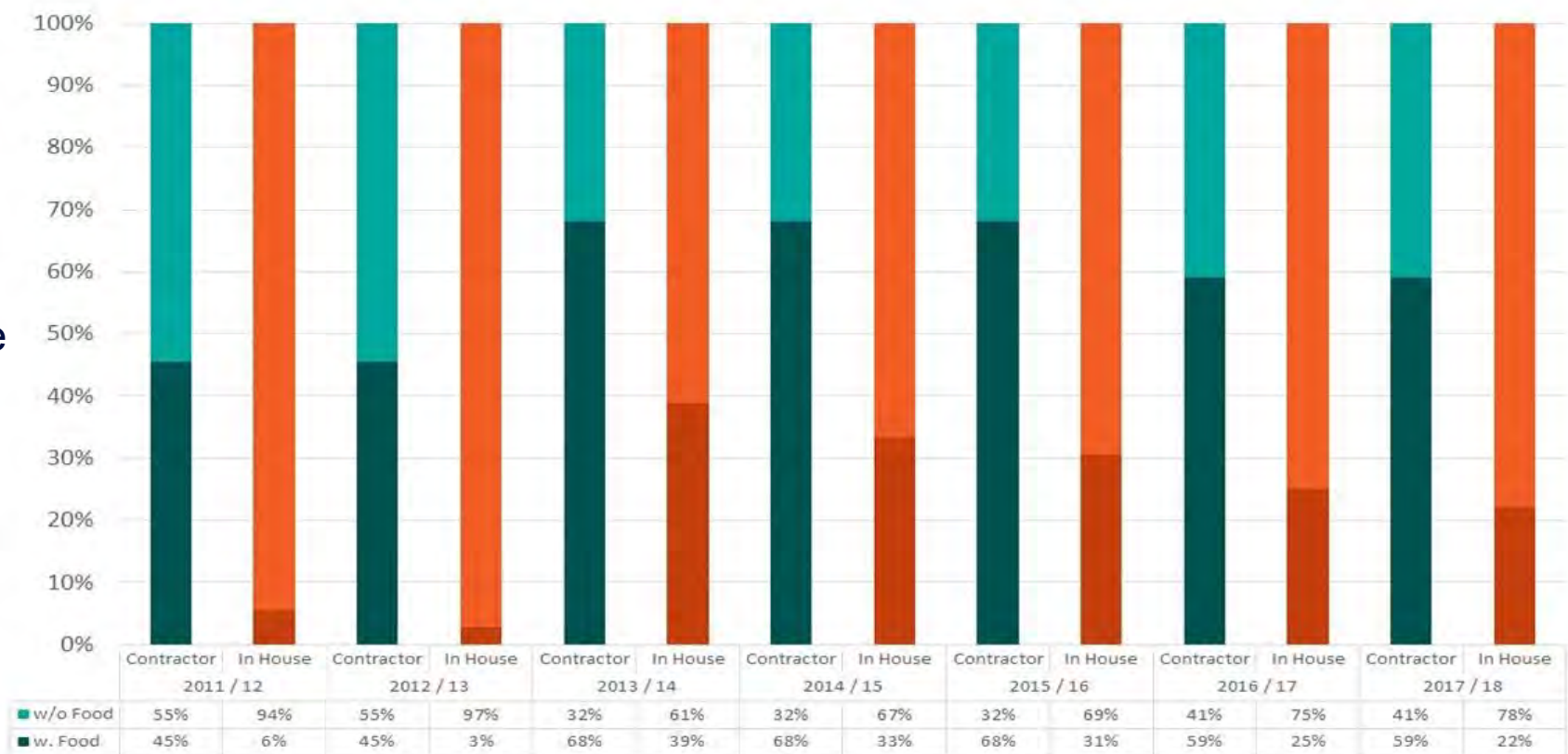
Recycling rates are higher

- Assumption = the need to periodically engage with the market during the procurement process provides 'opportunities' for authorities to (re)evaluate their service design and how it can be improved
 - The resulting changes can be built into the service specification that bidders must satisfy, thus enabling change as each new contractor will typically refresh much of the fleet at an early stage in the contract
 - The procurement process enlists the creativity of several different companies' teams to create a solution that meets the authority's requirements and where dialogue is used, the authority and potential contractors can work together to optimise service design. This 'challenge' to established practices and methods of service provision can highlight opportunities for improvements
- In-house services can also accommodate changes of service design
 - A robust process of service review can deliver a similar challenge to the operational status quo, giving rise to increases in performance and cost-effectiveness
 - However, the authority needs to make an active decision to undertake such an exercise, rather than it arising as a matter of course

Innovation suits the private sector

The number of authorities offering food waste collections has grown in last 7 years

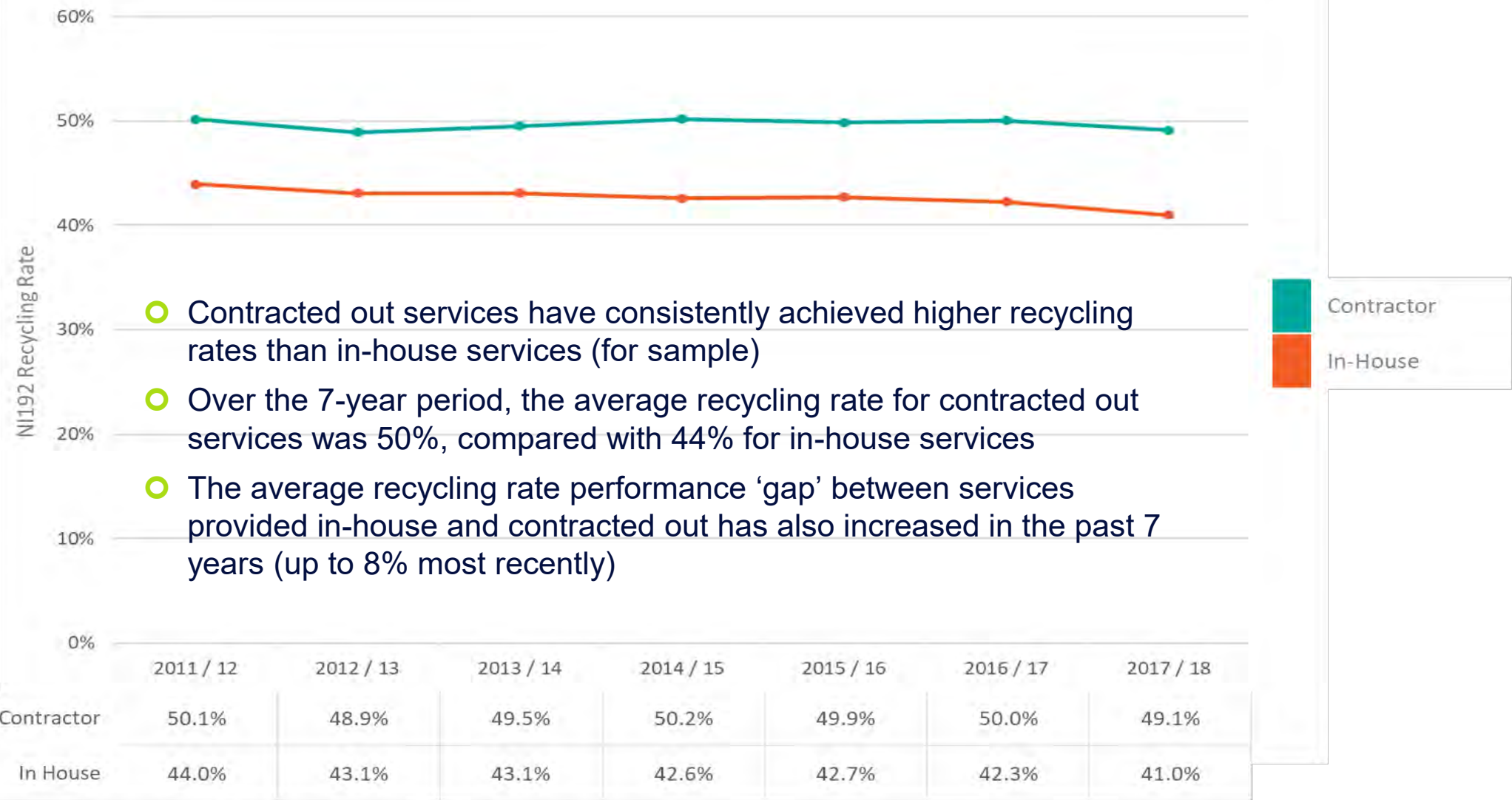
- The quickest uptake from authorities where the services are external
- 60% of contracted out services provide food waste collections
- Only 22% of in-house authorities



Sample = 292

All England Authorities operating In-House or Contracted Out (some Authorities who report together are counted together)

Comparing 'like for like' services



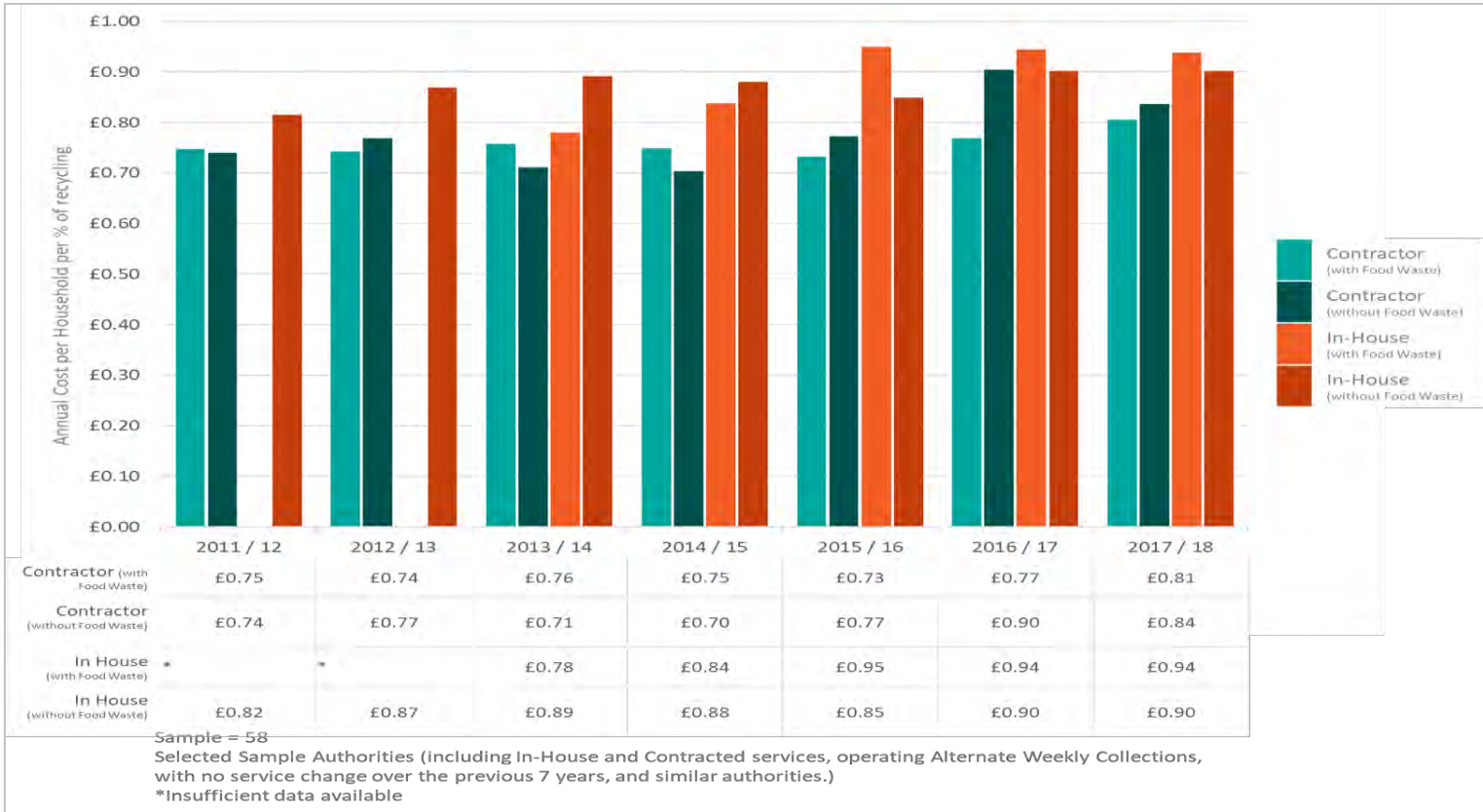
Cost per HH | like for like basis (AWC with food)



Sample = 21
Selected Sample Authorities (including In-House and Contracted services, operating Alternate Weekly Collections, with no service change over the previous 7 years, and similar authorities.)

Simplifying things

- The metric of 'cost per household per year per recycling percent' can be used as a proxy for value for money delivered by a service
 - allows an assessment of whether contractors are providing better results for the expenditure incurred
 - contracted services achieve 10% greater value for money on the 'cost per household per year per recycling %' measure



In summary

- Contracted services on average deliver better recycling performance and a lower cost per percentage point of recycling performance
 - Contracted services also achieve lower rates of missed collections
- Local Authorities in England are about to embark on major changes in waste collection, in light of new national policy, and collectively will need to increase their recycling performance by over 20% points in the next fifteen years
- Local Authorities must adapt to a new funding model where Extended Producer Responsibility makes packaging producers major funders of local waste collection services, and they will demand 'vfm'
- Subjecting services to competition is likely to be one of the ways in which producers' can be reassured regarding value for money

My take away messages

- Change is coming!
 - Policies will radically impact LA decision-making & service provision
- You will see more source-segregation
 - Quality trumps costs!
- In-sourcing may not be the solution it promises
 - does it deliver vfm? is it transparent? will brands 'believe' it?
- Testing the market is key
 - If done properly it drives competition, it drives down costs, it increases performance and can foster innovation & flexibility
- But I would say that, wouldn't I?
 - Hence the involvement of 3rd parties in these workstreams



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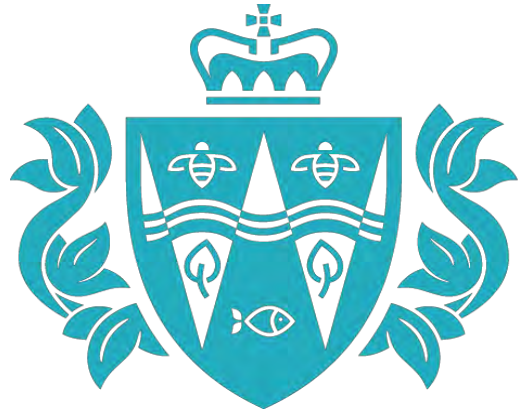


ready for the resource revolution



*the economics of change
in the resources and
waste sector*






CIWM

Tendering in Turbulent Times

Tony Watson
Head of Environment

Blackburn with Darwen, who are we?

- **Unitary Council, formed in 1998**
- **Population of approximately 150,000**
- **Ranks as one of the most deprived in England**
- **Over £140M budget reductions**
- **Winner of the Local Government Chronicle, Council of the Year x2**
- **Winner of Municipal Journal Local Government Achievements Awards**

- 
- **Waste Collection Authority**
 - 60,000 properties serviced alternate weekly
 - Commingled recycling Biffa
 - Residual and garden waste in-house
 - **Waste Disposal Authority**
 - 2 HWRCs 15,000 tpa Suez
 - Residual waste disposal/treatment 40,000 tpa Suez
 - Recycling commingled 13,000 tpa Biffa
 - Garden waste 4,600 tpa Coopers
 - Street cleansing arisings 1,000 tpa Acumen

Waste Contracts

- **Waste disposal/processing 2010 - 2020**
- **Commingled recycling 2010 – 2020**
- **HWRC 2018 – 2023**
- **Green waste disposal 2017 – 2022**
- **Street cleansing arisings 2016 - 2021**

Procurement

- **Waste disposal/processing and commingled recycling 2020**
- **Lestrecycle Local Authority Waste Services and Contracts Procurement – A New Guide & Toolkit**
- **Ricardo and Suez toolkit 2018**
- **Soft Market Testing October/November 2018 including questionnaire**
- **Waste analysis**
- **Discussions with other WDAs**

Tender Preparation

- Options?
- Task team to prepare contract specifications and documentation
- Separate contracts?
- Preparation - Allow plenty of time; Waste Analysis
- Contract design – make it attractive
- Be clear on what is wanted
- Accept risk, the marketplace has shifted
- Level the playing field if possible
- Know what you are likely to pay

Learning lessons as we go

- Don't believe everything you are told at the SMT
- Don't believe that your existing contractor will bid
- Be aware that the industry will accept zero risk and is not interested in tight margin contracts
- Be aware that Board sign off may be needed by contractors
- Be prepared to flex on contracts
- Count your blessings you allowed plenty of time

Where are we now?

- **Secured a contract for waste processing and treatment with a minimum of 70% landfill diversion.**
- **Taking in-house the collection of recyclables from May 2020**
- **Concluding the 2nd round of tendering for the recycling haulage and processing – closing date 19/11/19**



Questions?

Tony Watson

Head of Environment

Blackburn with Darwen BC

tony.watson@blackburn.gov.uk

Focus on food waste:

Using food waste to leverage positive climate action

Sarah Hargreaves | 15 November 2015 | CIWM NW

@resourcefutures





**OUR VISION IS
A WORLD WHERE EVERYONE USES
RESOURCES SUSTAINABLY**

Resource Futures

- 30-year heritage in the sustainability sector.
- Employee-owned and non-profit-distributing.
- We take an ethical approach to business to make a positive difference in the world.

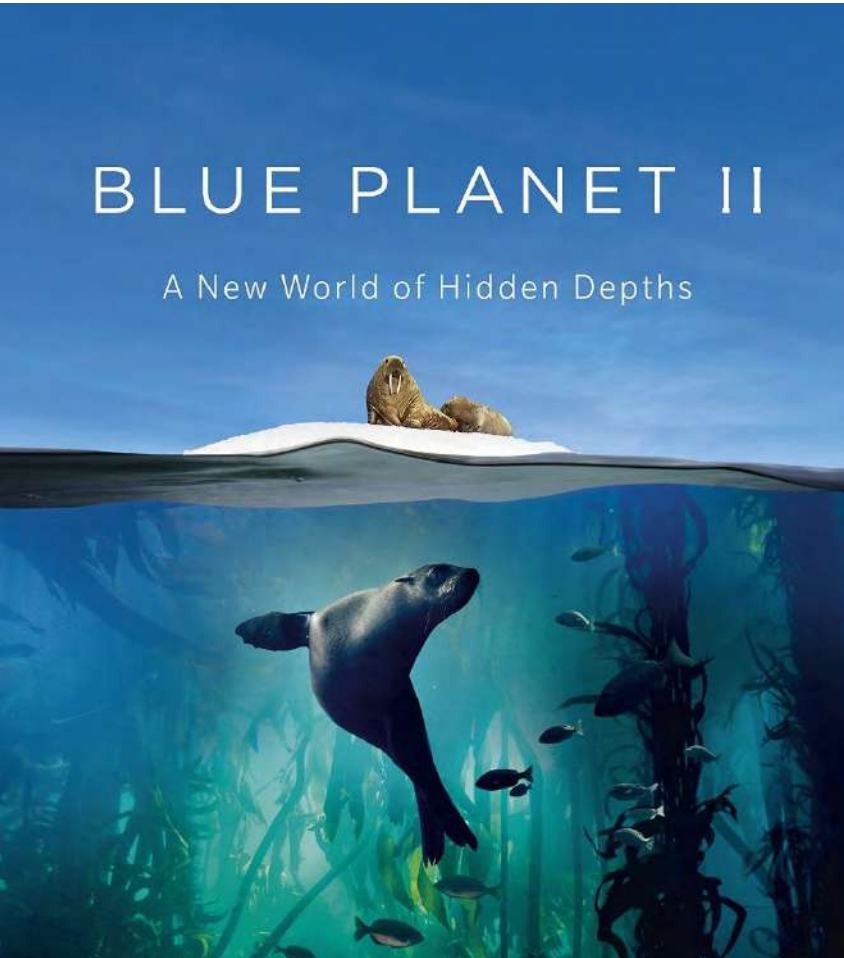


PEOPLE **USING**
BUSINESS
..... **AS A**
FORCE **FOR** **GOOD**

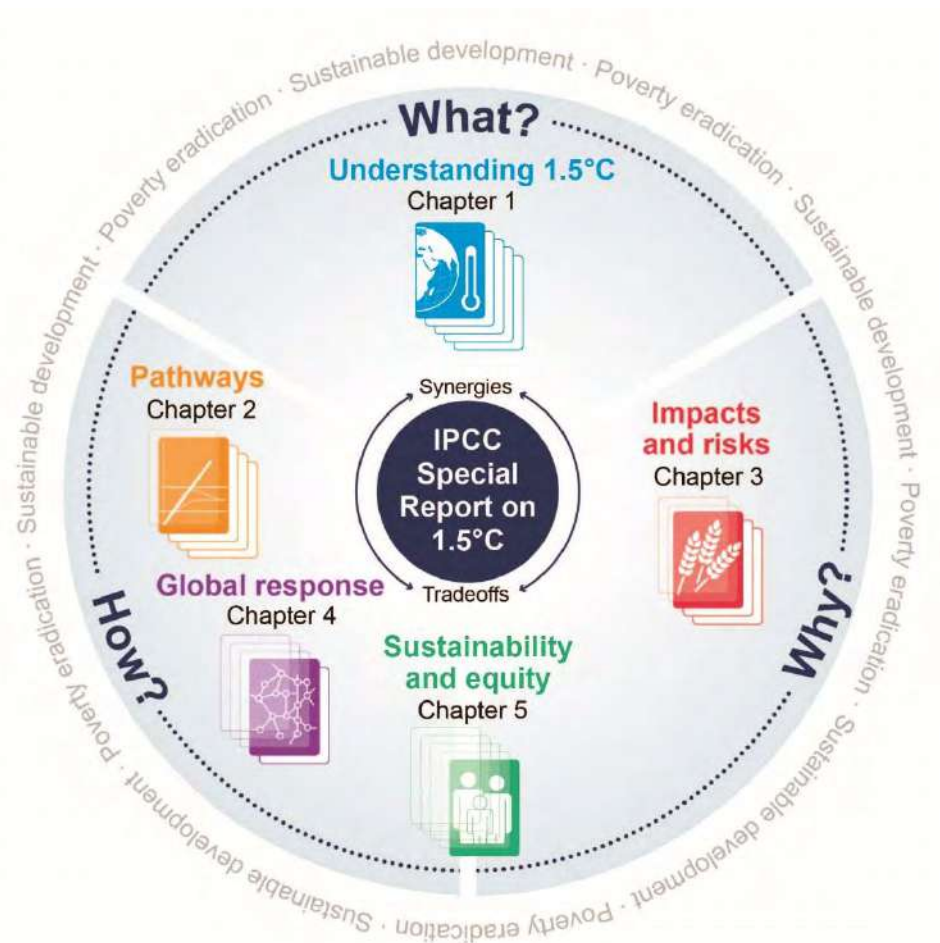


Climate change context

Increased public awareness



Evidence base and bold plans





Changes afoot...



Deposit return schemes?



Extended Producer Responsibility?



Plastic tax?



Mandatory food recycling?

Food will be the defining issue of the 21st Century.

*Lancet Commission
January 2019*

Quiz 1

How many different coloured dry recycling bins are used across Kent?

Quiz 2

How many different service types (multi stream, twin etc.) are used to collect dry recycling across Kent?

Quiz 3

How many Local Authorities operate separate food waste collections across Kent?

Quiz 1

How many different coloured dry recycling bins are used across Kent?

10

Quiz 2

How many different service types (multi stream, twin etc.) are used to collect dry recycling across Kent?

2 or 3

[It was tricky!]

Quiz 3

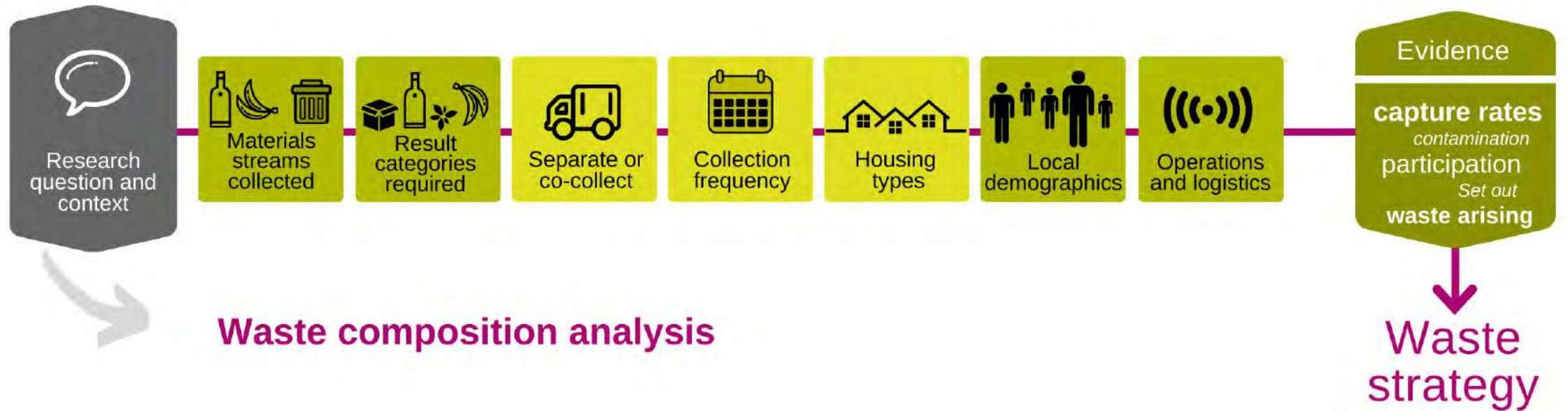
How many Local Authorities operate separate food waste collections across Kent?

8

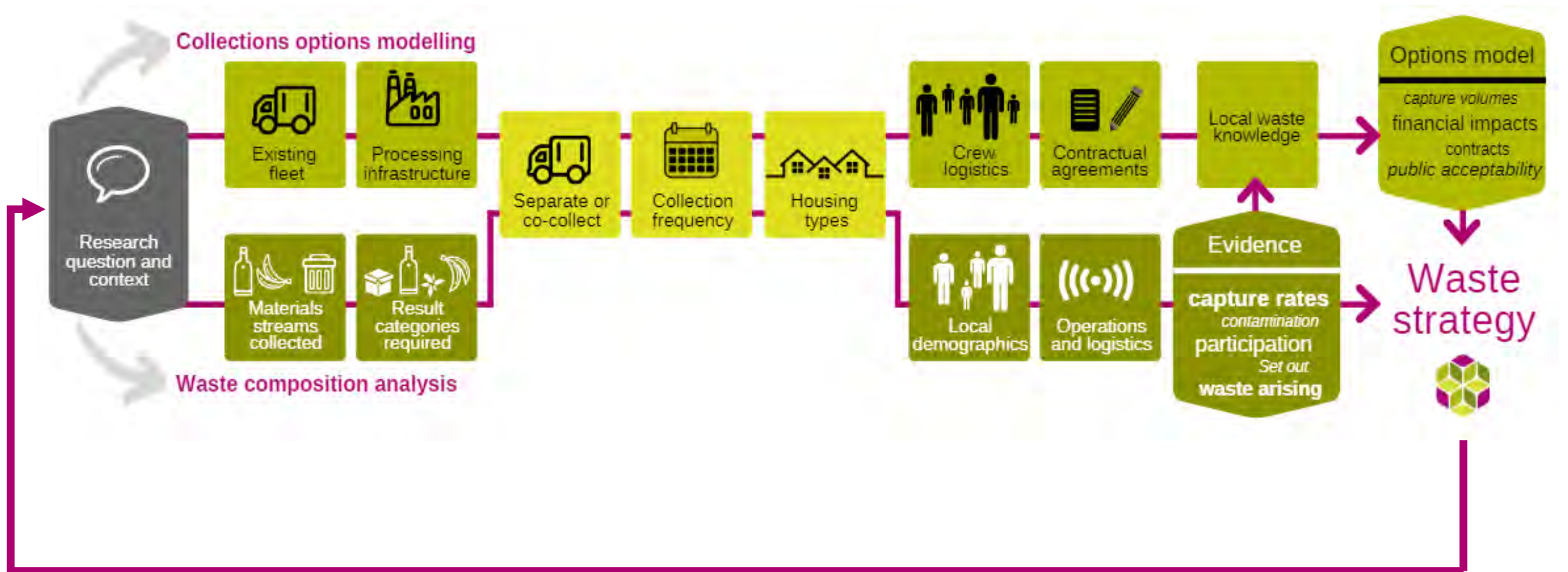


How do you define 'efficient'?

Evidence of local knowledge



Creating a cyclic story



Sustainable food cities



- Joint initiative with key organisations
- Led and supported by Bristol City Council
- Mobilising key food stakeholders across the city



Sustainable food cities

Driving positive change through:

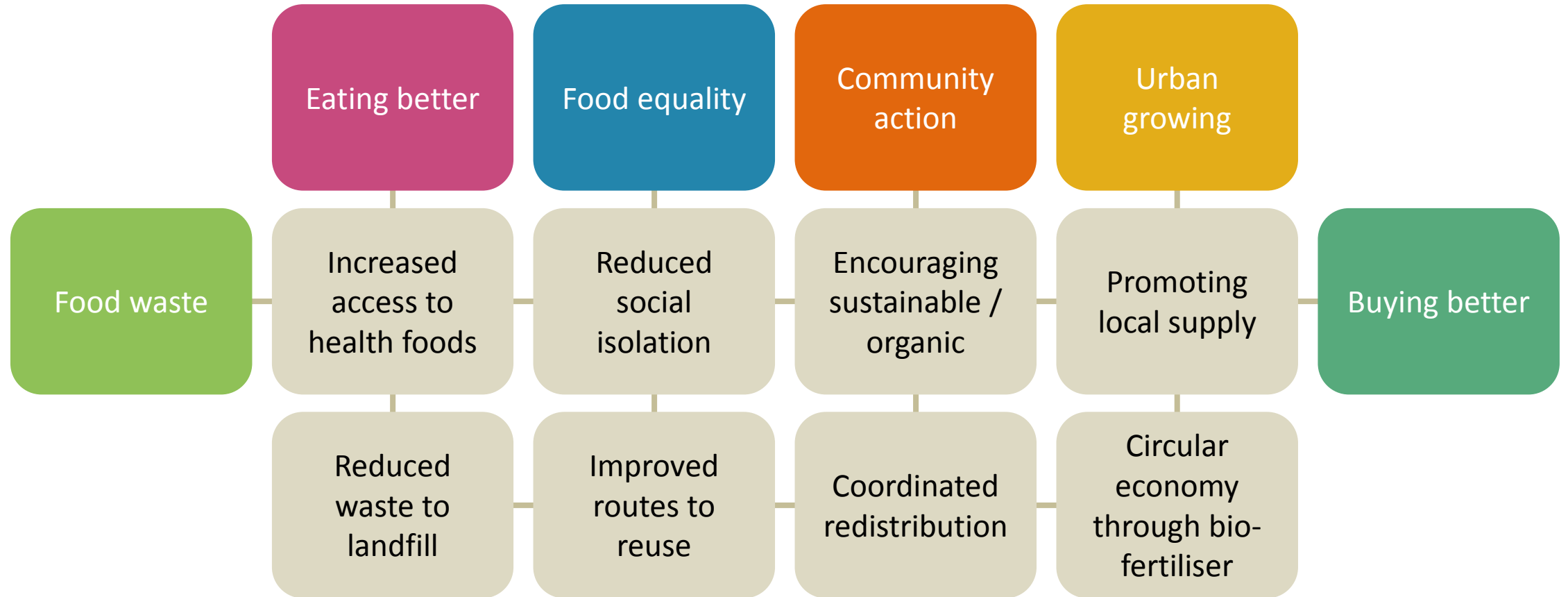
- Establishing an effective cross-sector Food **Partnership**
- Embedding healthy and sustainable food in **Policy**
- Developing and delivering a food strategy and Action **Plan**

57 cities engaged across UK

- 22 Bronze awards
- 4 silver awards
- 2 cities now going for gold



Putting food centre stage





Next steps

Remember:

- No quick fixes
- No “one size fits all”
- “Knee jerk” policies unlikely best strategy
- Actions take time to bed in
- Food is only one part of a complex jigsaw

Bring the community with you:

- Engage climate deniers
- Cross sector stakeholder engagement
- Stay focused and action driven
- Manage community expectations
- Local context is key

Sarah Hargreaves

Food Waste, Going for Gold

Senior Consultant, Resource Futures

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📘 @resourcefutures | @SarahHarg

🌐 /resource-futures | /sarahcbanks



Sign up to receive our
latest insights at
resourcefutures.co.uk

Refreshment break

- Please join us back in the conference room for 12 noon.
- Please remember not to bring crockery or glassware in to the conference room.
- Toilets are located out in to the corridor on the right hand side.
- Smoking is only permitted in the smoking shelter downstairs by the rear entrance.



Eliminating the idea of waste

Stephen Clarke
Head of Communications, TerraCycle & Loop Europe

15th November 2019



ELIMINATING THE IDEA OF WASTE

MAKE EVERYTHING FROM RECYCLED WASTE

RECYCLE ALL WASTE

ELIMINATE WASTE

GAIN USEFUL HEALTH
INSIGHTS FROM WASTE

REDUCE WASTE IN
EMERGING REGIONS





TERRACYCLE IS A GLOBAL LEADER

Active in 21 Countries



TerraCycle Locations

- Brazil
- Canada
- Mexico
- US
- Austria
- Belgium
- Denmark
- France
- Germany
- Ireland
- Netherlands
- Norway
- Spain
- Sweden
- Switzerland
- UK
- China
- Japan
- South Korea
- Australia
- New Zealand

Regionally, TerraCycle is partly owned by several large waste management companies to leverage their expertise and credibility across the globe.





MAKE EVERYTHING RECYCLABLE

Today we live in a linear world where most products are made, used once and then discarded.



**Extraction &
Manufacturing**



**Landfill or
Incineration**



MAKE EVERYTHING RECYCLABLE

TerraCycle's first goal is to recycle products and packaging that do not currently have a solution to give materials a second life.



**Extraction &
Manufacturing**



Recycle

RECYCLING THE NON RECYCLABLE

Most products and packaging are considered non-recyclable only because of economics, though virtually everything has a technical processing solution. Examples below:



What makes a material municipally recyclable is not a technical solution for it, but an **economic and profitable** one.



THE TERRACYCLE SOLUTION



1. LOGISTICS

TerraCycle creates custom collection logistics for each recycling programme. Programmes are designed to best suit the client and their waste stream.

2. SOLUTION

TerraCycle develops the science and technology to recycle the previously non-recyclable waste into a new raw material.

3. VALUE

TerraCycle works with each client to drive significant ROI and scalability through their recycling programme.

TERRACYCLE IMPACT

Where are we today?



GLOBALLY



**Number of people
recycling: 202,831,611**



**Waste recycled:
7,762,174,415**



**Money raised for charity:
\$44,806,327**



UK



**Number of people
recycling: 5,134,875**



**Waste recycled:
90,741,428**



























**Money raised for charity:
£1,034,167**



WHAT CAN YOU RECYCLE WITH TERRACYCLE IN THE UK?

There are 30 + free recycling programmes you could sign up to at www.terraCycle.co.uk

<p>AVAILABLE LOCATIONS REMAINING</p>  <p>ElaCycle</p>	<p>DROP-OFF LOCATIONS ONLY</p>  <p>The ACUVUE® Contact Lens Recycle Programme</p>	<p>DROP-OFF LOCATIONS ONLY</p>  <p>The Afta Home and Laundry Care Recycling Programme</p>	<p>DROP-OFF LOCATIONS ONLY</p>  <p>The Febreze® Air Freshener Recycling Programme</p>	<p>AVAILABLE LOCATIONS REMAINING</p>  <p>The Flash! Wipes, Cloths and Pads Recycling Programme</p>	<p>SPECIFIC ORGANISATIONS</p>  <p>The KIMTECH™ Apparel Recycling Programme</p>	<p>DROP-OFF LOCATIONS ONLY</p>  <p>The Pringles® Can Recycling Programme</p>	<p>AVAILABLE LOCATIONS REMAINING</p>  <p>The RB® Hygiene Home Recycling Programme</p>	<p>AVAILABLE LOCATIONS REMAINING</p>  <p>The Ring Carrier Recycling Programme</p>
<p>AVAILABLE LOCATIONS REMAINING</p>  <p>The Aqua Optima® Water Filter Recycling Programme</p>	<p>SPECIFIC ORGANISATIONS</p>  <p>The Beach Plastic Recycling Programme</p>	<p>DROP-OFF LOCATIONS ONLY</p>  <p>The Bread Bag Recycling Programme</p>	<p>SPECIFIC ORGANISATIONS</p>  <p>The KIMTECH™ Nitrile Glove Recycling Programme</p>	<p>AVAILABLE LOCATIONS REMAINING</p>  <p>The Kinder Recycling Programme</p>	<p>DROP-OFF LOCATIONS ONLY</p>  <p>The KP Snacks® Nuts, Popcorn, Crisps and Pretzels Packet Recycling Programme</p>	<p>AVAILABLE LOCATIONS REMAINING</p>  <p>The Sportax® Disposable Gloves Recycling Scheme</p>	<p>AVAILABLE LOCATIONS REMAINING</p>  <p>The Swisse Me Recycling Programme</p>	<p>DROP-OFF LOCATIONS ONLY</p>  <p>The Tassimo® & L'OR® Recycling Programme</p>
<p>AVAILABLE LOCATIONS REMAINING</p>  <p>The Burt's Bees® Personal Care Recycling Programme</p>	<p>AVAILABLE LOCATIONS REMAINING</p>  <p>The Burt's Bees® Towellettes Recycling Programme</p>	<p>AVAILABLE LOCATIONS REMAINING</p>  <p>The Carex® Recycling Programme</p>	<p>AVAILABLE LOCATIONS REMAINING</p>  <p>The Lavazza Eco Caps Composting Programme</p>	<p>AVAILABLE LOCATIONS REMAINING</p>  <p>The Lily's Kitchen Recycling Programme</p>	<p>DROP-OFF LOCATIONS ONLY</p>  <p>The L'Occitane® Recycling Programme</p>	<p>AVAILABLE LOCATIONS REMAINING</p>  <p>The Taylor's® Recycling Programme</p>	<p>AVAILABLE LOCATIONS REMAINING</p>  <p>The Waleda® Plastic Recycling Programme</p>	<p>DROP-OFF LOCATIONS ONLY</p>  <p>The Writing Instruments Recycling Programme</p>
<p>AVAILABLE LOCATIONS REMAINING</p>  <p>The Colgate® Oral Care Recycling Programme</p>	<p>DROP-OFF LOCATIONS ONLY</p>  <p>The Confectionery Recycling Programme</p>	<p>DROP-OFF LOCATIONS ONLY</p>  <p>The Crisp Packet Recycling Scheme</p>	<p>DROP-OFF LOCATIONS ONLY</p>  <p>The Personal Care and Beauty Recycling Programme</p>	<p>DROP-OFF LOCATIONS ONLY</p>  <p>The Pet Food Recycling Programme</p>	<p>DROP-OFF LOCATIONS ONLY</p>  <p>The Biscuits and Snacks Recycling Programme</p>	<p>AVAILABLE LOCATIONS REMAINING</p>  <p>The ZURU Bunch O Balloons™ Recycling Programme</p>		

THE CONSUMER EXPERIENCE

This programme allows your brand to claim that your products and/or packaging are nationally recyclable.



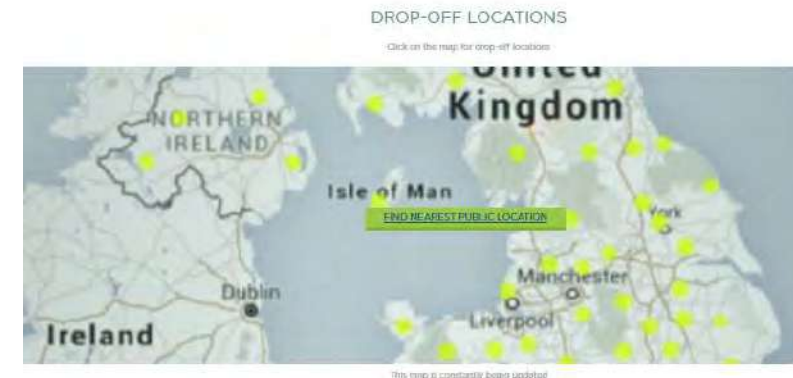
The Crisp Packet Recycling Scheme sits on the TerraCycle UK website:



The UK's largest crisp packet recycling scheme

Walkers® offers a simple and free crisp packet recycling scheme, which **accepts all brands**.

This is now the largest and fastest-growing scheme of its type in the UK, with more than **1,600 public drop-off locations nationwide**. In fact, there is a public drop-off location within 4 miles of 80% of UK households – find your local one [here](#).



Find your nearest public drop-off locations on the map above.

HOW IT WORKS

Participating in the programme is completely free and very simple. There are **2 ways** to participate:

1. Drop off your crisp packets at your nearest public drop-off location

Find your nearest public drop-off location on the interactive map above and drop off your crisp packets.

To learn more about public drop-off locations, please click [here](#).

THE CRISP PACKET RECYCLING SCHEME

Public Drop-off Network



There are currently over **1,650 public drop-off points** located across the **UK and 450 in Ireland**, that are collecting crisp packets on the Crisp Packet Recycling Scheme.

These public drop-off points are located in schools, community centres, charities, shops, and homes.

Any member of the public can visit their nearest drop-off point to recycle any brand of crisp packets.



**As of 11th November 2019*



TerraCycle Zero Waste Boxes

Get your office or home to Zero Waste

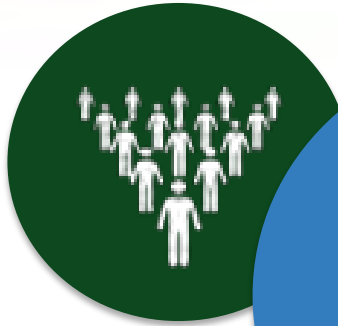
For anything we can't offer a free solution for we offer the paid for Zero Waste Box solution.

There are 70+ variants available in the UK.



TERRACYCLE IN THE UK

Overview



8,722 public
access drop off
locations across
the UK



5,000 + shipments
received per
month



£1,034,167 raised so far
for schools, charities &
non-profits

60/70 tonnes of waste recycled each month



RESEARCH & DEVELOPMENT





HOW TERRACYCLE PROCESSES WASTE



1 Check In

TerraCycle receives packages of your brand's waste at its local warehouses and checks them in.



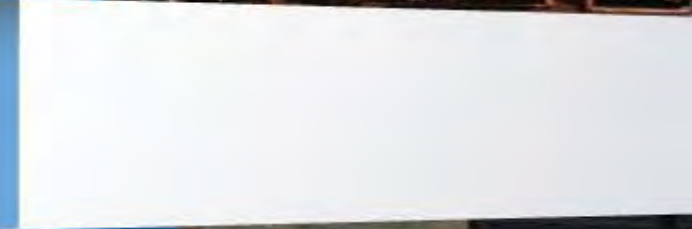
2 Aggregate

Once a package from your programme is checked in, the contents of the package are aggregated with similar materials in preparation for processing.



3 Processing

TerraCycle works with strategic partners to process individual waste streams (by material composition) into a new format.



4 New Products

This new format is used as a raw material to create a new finished product.



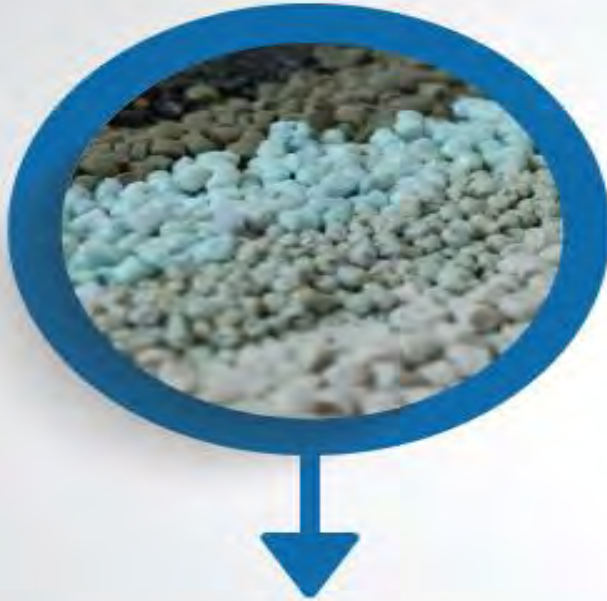
TerraCycle will not landfill or incinerate any of the waste we receive.



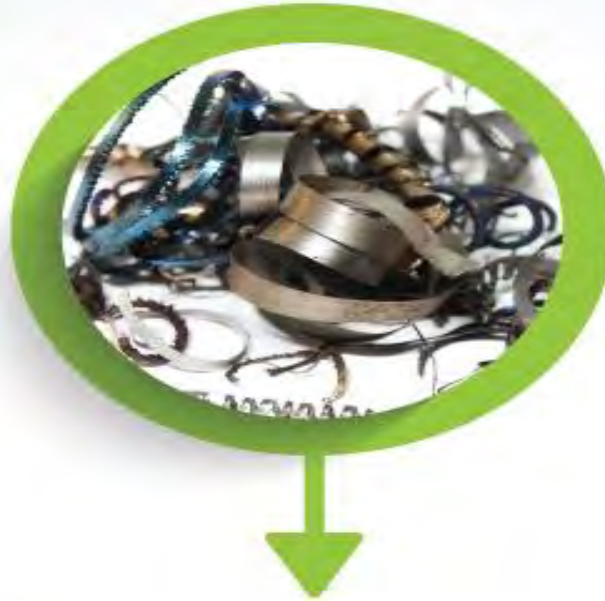
SAMPLING OF DOWNSTREAM USE

TerraCycle works with product manufacturers who use our raw materials in the production of their finished goods. Examples below:

Plastic pellets



Metals



Fibers



**Product Catalog available upon request*



PROCESSING - Plastic

TerraCycle contracts third-party processors

Below is an example of plastic processing

Warehouse → Processor #1 → Processors #2

1) Manual checking or



2) Baling

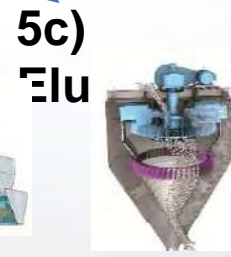
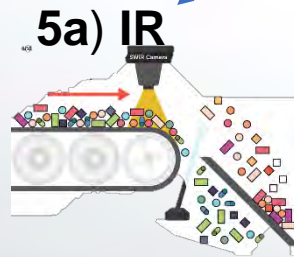


Plastic bales

3) Shredding



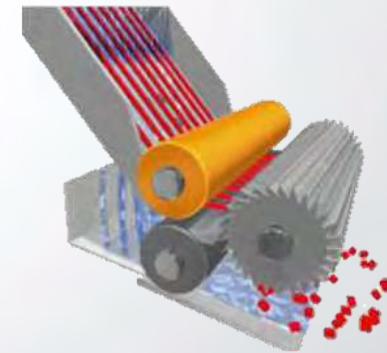
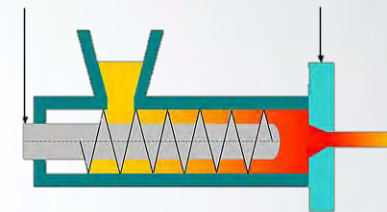
4) Sorting per plastic type



Plastic
Regrind



6) Extrusion/Pelletization



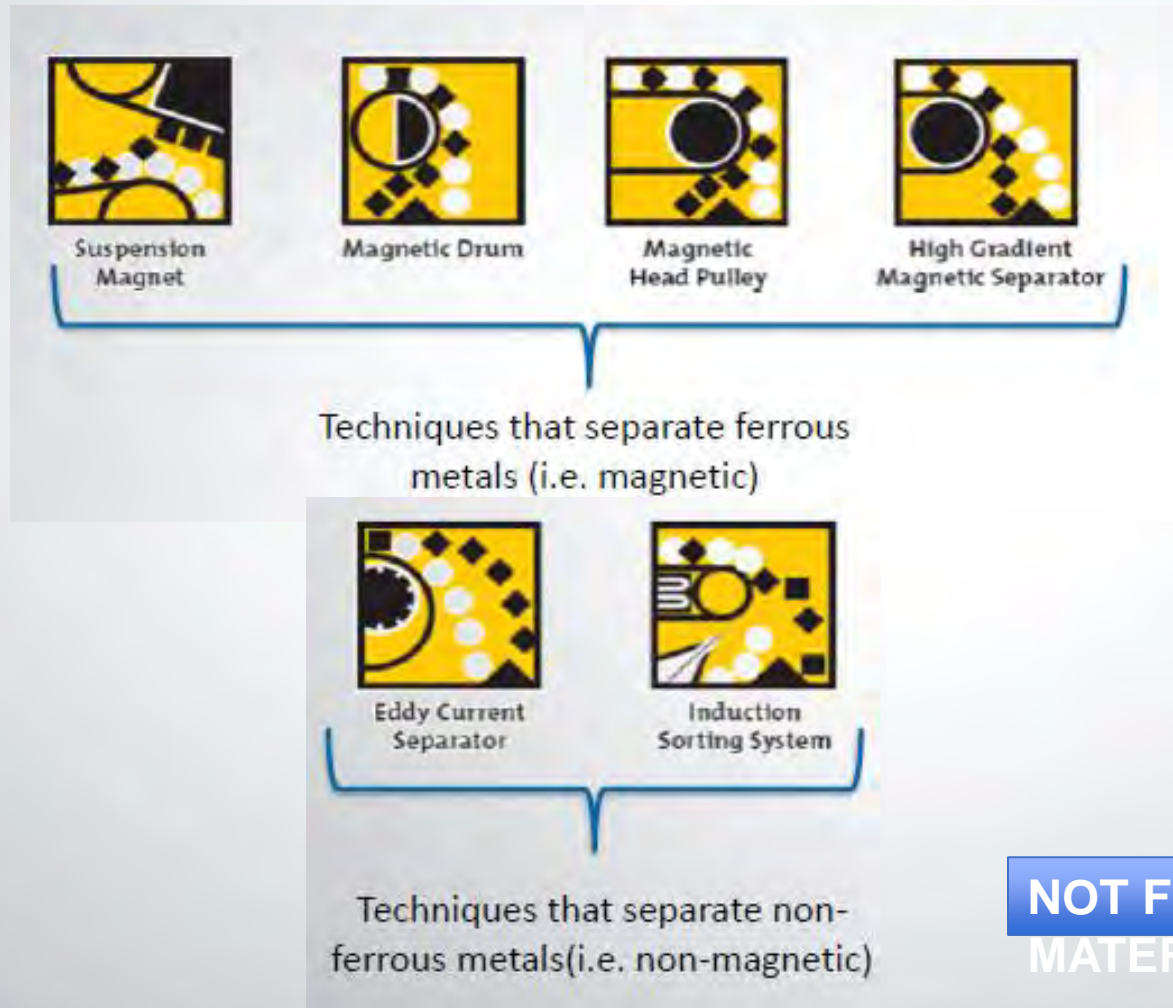
PP,PE,PET granules



PROCESSING - Metals

TerraCycle contracts third-party processors

TerraCycle used a large range of sorting technologies to separate complex waste stream once they are shredded



Example: Iron

**Example:
Aluminum**

**NOT FOR LIMITED
MATERIAL**



PROCESSING – Laminated or flexible

TerraCycle contracts third-party processors

Warehouse → Processor → Manufacturer

1) Manual checking and



2) Baling



3) Agglomerated



4) Extrusion into product





OUR USUAL FORM OF FINAL MATERIAL

TerraCycle processes material in a variety of forms including:



Raw Material
(Rolls)



Raw Material
(Bales)



Regrind/
Agglomerated Material



Pulverized
Material



Pellets (Most
Common)

While pellets may be the most commonly known, TerraCycle's processors, customers, and other end-users may receive material in the following ways:

REMEMBER:

TerraCycle's guarantee to our clients is that their material will be recycled and properly defaced. Clients do not get to choose how or when the material will be recycled.

RECYCLED PRODUCTS







COLGATE RECYCLED PLAYGROUND PROGRAMME AT ASDA



TABLE TENNIS TABLE INCORPORATING CIGARETTE WASTE



Right Guard UK has partnered with TerraCycle to recycle anti-perspirant and deodorant aerosols and build outdoor community gyms.



Additional photos from the ribbon cutting event





MAKE EVERYTHING FROM WASTE

TerraCycle's second step is to integrate unique recycled materials back into your products.



**Recycle &
Manufacturing**

Recycle

MEET THE WORLD'S FIRST RECYCLABLE SHAMPOO BOTTLE MADE WITH BEACH PLASTIC

1 PLASTIC IS COLLECTED ON
BEACHES BY VOLUNTEERS

2 IT'S SORTED
BY TERRACYCLE



3 AND SENT FOR
CLEANING AND
GRINDING INTO
PELLETS



4 THE PELLETS ARE
THEN SENT TO P&G



5 AND TURNED
INTO THESE



IT'S THE WORLD'S LARGEST
PRODUCTION RUN OF
RECYCLABLE BOTTLES
MADE WITH BEACH PLASTIC.



THE MATERIAL JOURNEY

This is a brief summary of how the material collected transforms from marine plastic pollution to recyclable products.



Beach clean up



Pallet container collection



Bulked & aggregated



Finished product!



Pelletized



Processed

2018 H&S AND FAIRY LAUNCHES IN THE UK (TESCO)



**Head & Shoulders
Shampoo Bottle**
Made with 20% beach plastic

Fairy Dish Care Bottle
Made with 100%
recycled content
(10% ocean plastic
+ 90% PCR)



"In store only. Available
while stocks last in Tesco
stores nationwide from
August 2018

P&G also launched a website where consumers can vote for a beach they would like to see cleaned: thebigbeachclean.co.uk/

BEACH PLASTIC



REN Skincare (a Unilever brand) makes its products using active ingredients from the ocean, such as Atlantic Kelp. As such, using ocean plastic in their bottle was a natural fit for the brand.

TerraCycle worked with REN and its converters to develop a **new bottle made from 100% PCR, which included 20% ocean plastic PET.**

ELIMINATE THE IDEA OF WASTE

TerraCycle's third step is to redesign products to enter into a reuse platform, completely eliminating the idea of waste.



TESCO



It's light! It's bright!



Tote those empties?

Or toss 'em away?

Why make hard work out of enjoying soft drinks? Every delicious flavor now comes in throwaway steel cans. No deposits, no returns. And soft drinks in steel cans taste so darn good!

BETHLEHEM STEEL



WISDOM FROM THE PAST

Refillable durable packaging used to be the norm.

ASSET

When a package is considered an asset its allocation per fill is the cost divided by the number of uses it can bear. **The more durable the package the lower the cost per fill.**



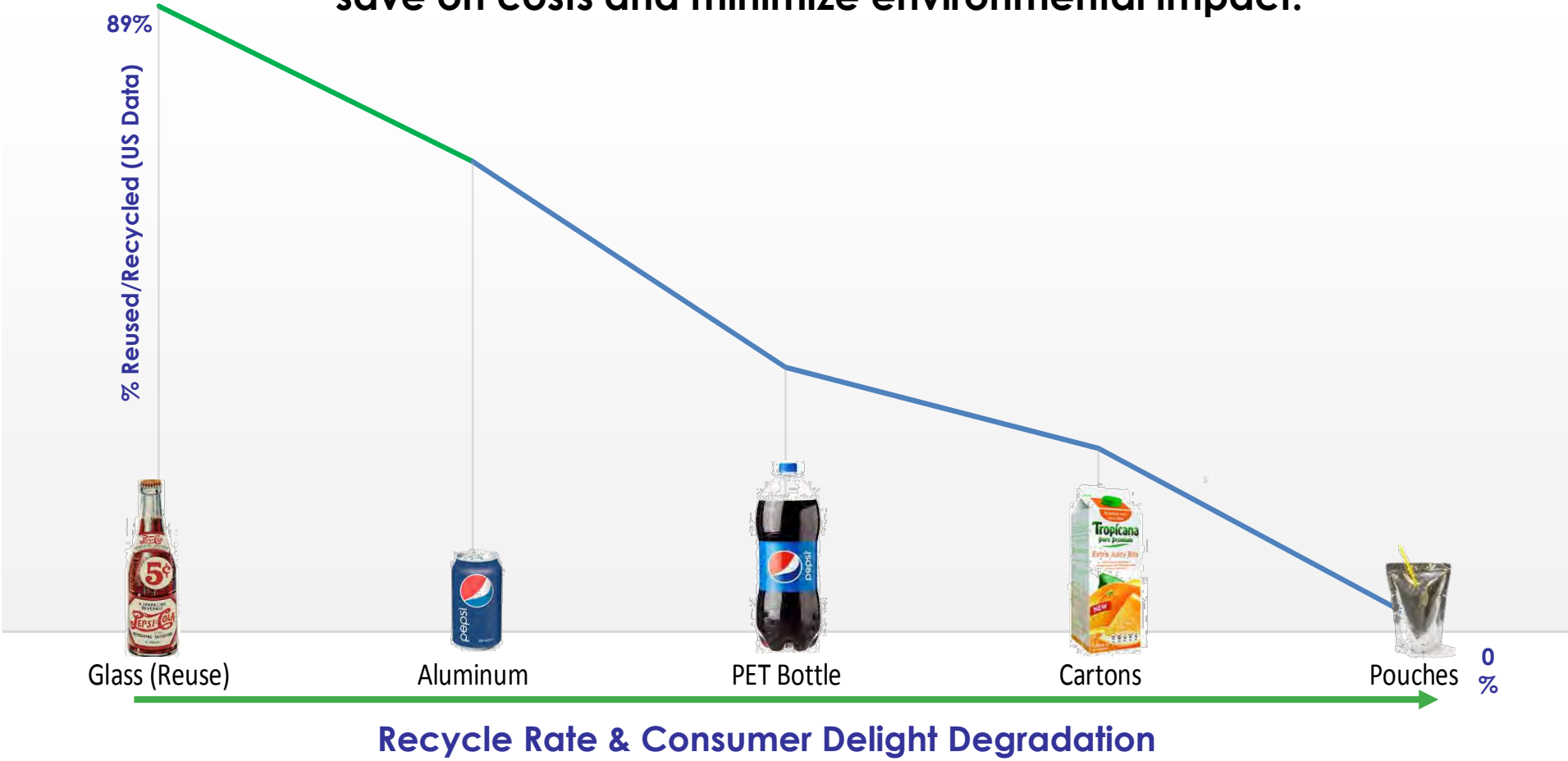
THE CURRENT REALITY

Disposability is **cheap** and **convenient**.

COGS

When a package is considered a COGS (Cost of Goods Sold) its cost is fully allocated per fill. **The cheaper the package the lower the cost per fill.**

Manufacturers reduce the weight of their packaging to save on costs and minimize environmental impact.



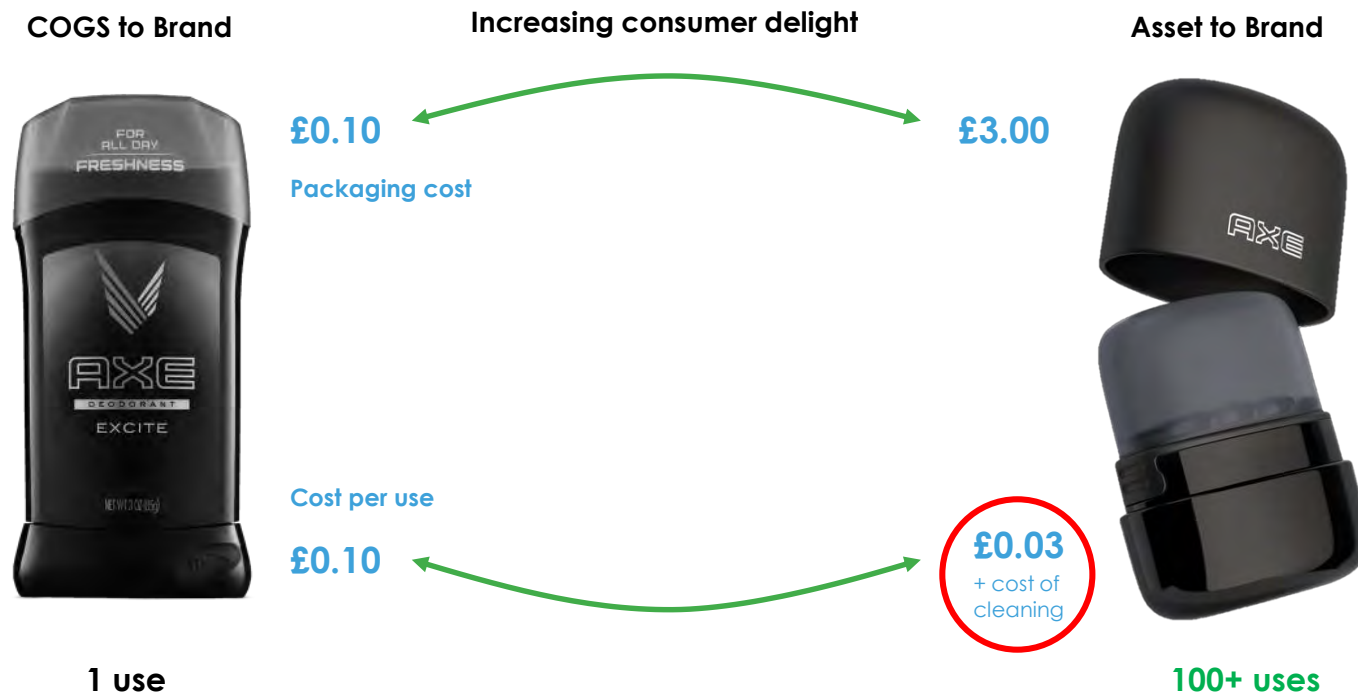
How do we solve the unintended consequences of disposability while maintaining its virtues?

Eliminate waste at the root cause





A FUNDAMENTAL CHANGE OF OWNERSHIP





Durability enables
reusability, design & new features.

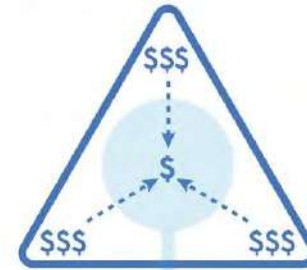


Life Cycle Analysis (LCA)

The product can be recycled when it hits inevitable end of life.

Cleanability

The package can be cleaned without damage to the standards required by that particular product category.



Most economically efficient

Durability

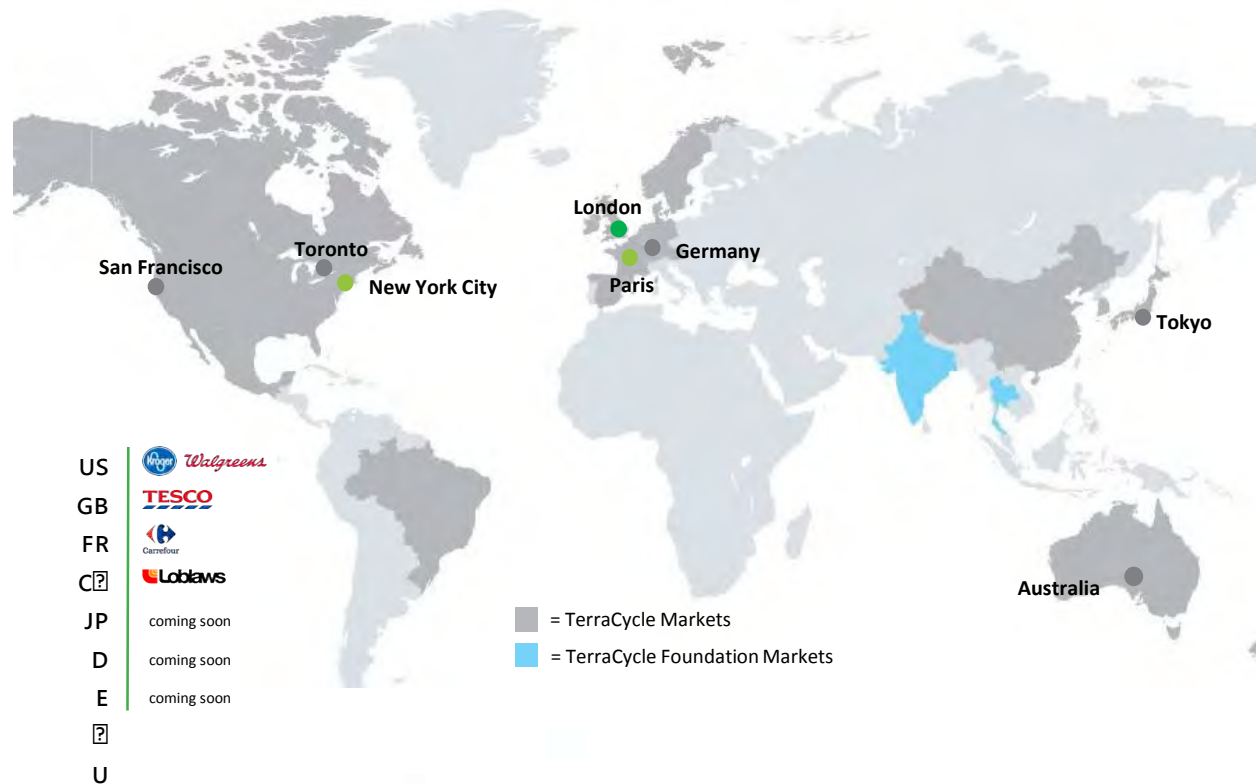
The product must be able to go around ten reasonable cycles or more — a cycle defined as production, to sale, to use, and to reuse.

Loop is a global platform that enables consumer product companies and retailers to shift from a disposable supply chain to a durable one.

Loop launched in May 2019 with inaugural markets, **New York** and **Paris**. Loop will expand to **London** next in Q1 2020, with **Toronto**, **San Francisco**, **Tokyo**, **Germany**, and **Australia** coming next.

The **stand-alone e-commerce model** is suitable for a low-scale, test-and-learn launch. Loop executes all receiving, outbound + inbound distribution, and cleaning. Manufacturers refill product in packaging they have redesigned for durability and reuse.

Kroger & Carrefour have enabled durability for their retail environment. The **integrated retail models** allow consumers to access Loop **in-store** and through **e-commerce**. Any retailer, small or large, physical or digital, can embed the Loop engine into their stores and enable a circular supply chain for their shoppers.





AN ENGINE FOR RETAILER, ONLINE AND IN-STORE



Walgreens



TESCO

and many more coming soon.



order









Before



After



Consumer Insights





Consumers want to move beyond recycling

- Consumers are confused by recycling requirements, and distrustful that the materials they put into local recycling streams are actually being recycled.
- Several consumers referenced the "3 R's" (Reduce, Reuse, Recycle) and stated that they believe recycling should be the last possible option, and that they were much more interested in reuse models.
- Consumers really wanted to understand what happens to their waste and be educated on end-of-life solutions but felt they didn't have access to information. One 24-year-old Loop user even went to her local recycling facility to take a tour and ask questions.

"To me, recycling isn't enough - so if it was available on Loop, I'd buy it there since there's no waste. Most of what I recycle doesn't get recycled anyways. I would rather see something reused over and over again."

"I do it, but I'm not hopeful that what I carefully put in the recycle bin makes it to the facility. I know there aren't enough facilities, and often things get contaminated. Recycling really isn't the answer."

"I went to college and I'm still confused... how is the average person supposed to figure out what's recyclable?"



"I don't want to recycle anymore. I want to be circular."



Consumers don't want to change their rate of consumption – they just want better options

Consumers we spoke with wanted to continue purchasing not only essentials but also everyday indulgences, and weren't as interested in reducing their overall consumption as they were in reducing their footprint via purchasing more sustainable options.



"Others (in my zero-waste group) advocate for the opinion that 'consume less' is the only solution. I think that's a minority view, and it's defeatist and irritating. We are all consumers, and that's not going change in this economy."

"Over time, one of my priorities as a consumer has become to reduce my footprint. I want to buy what I hope are better products for the world."



Consumers love Loop



- Loop is cool, new and very exciting. Consumers see it as a brilliant, practical, and trustworthy solution to the waste problem.
- All the consumers we spoke with are very concerned about their personal consumption of disposable packaging and feel that despite their best efforts, their individual contributions are too small to make a significant impact. Loop empowers and enables them to make an impact at a large scale and gives them hope for a tangible solution to waste, which feels like a helpless issue to many of them.
- Consumers are heartened by the sense that 1) They can make a difference by participating in Loop 2) Corporations are responding to the waste crisis and actioning change.
- Consumers are exceptionally passionate about Loop: as an example, one user told us she recently moved into a new home, and one of her considerations in her search for a new property was whether or not the address was in Loop's delivery region.

"I think Loop is incredibly significant, and the most exciting thing I've seen in e-commerce in years."

"Mouthwash in a reusable container on an e-commerce site is the coolest thing I've seen in a very long time - I never thought I would see that. Throwing plastic away causes me to stress, and causes me to feel I create negative value in how I use my money. To see that innovation was really exciting to me."

"I just want it to work so badly! There is hope for us yet. There is hope for the planet."





Loop's innovative delivery model is a solve for wasteful e-commerce shipping practices



Many consumers we spoke with had stopped purchasing from other e-commerce and home delivery services, including food delivery services and Amazon Prime, because they were disturbed by the amount of disposable packaging that arrived with their shipments.

Consumers loved that every modular element of the Tote would be reused, and they were impressed by zero-waste touches like the reusable, reversible shipping label and recyclable zip ties. The little sustainability touches (e.g. the assurance that no piece of plastic is wasted, no matter how small) were very important to users.

"For a while I ordered from Fresh Direct and Amazon grocery delivery, but the packaging that came with both of these services was atrociously bad."

"I'm trying to wean myself off Prime, because the packaging is really distressing - it's tons of plastic, space fillers, bubble wrap, all non-recyclable."

"Everything that comes in the Loop package you can put back in - even things like tamper seals - and that's plastic you couldn't otherwise recycle. I really like that I can put everything in the bag and then Loop worries about it."



Consumers Love Counter-worthy Design

Consumers strongly preferred the aesthetics of Loop containers to the disposable packaging that the same products are sold in.

"One of the appeals of zero-waste products for me, other members of my zero-waste group, and the blogosphere are the aesthetics. Plastic is ugly, labels are ugly and garish, and they don't add to your home, they subtract."



Consumers responded strongly to streamlined, minimalist, aesthetically beautiful packages that they could display on their countertops. They were proud to see the visual of a waste-free product on display in their home, and liked that they were able to show the product off and not hide it away.

"I thought the Häagen-Dazs container was a thing of beauty."



Several consumers we visited were already doing different things to improve the aesthetics of products in their home – transferring bulk refills into plain glass bottles, or ripping the plastic labels off products so the containers would be blank and more aesthetically pleasing.

"I hate the garish labels on most packages – I feel like they make my bathroom look crazy."





Consumers Love “Unexpected Eco”

Consumers were particularly excited by products they didn't expect to find on Loop (ones that aren't widely considered “environmentally-friendly”) as well as products they can now return and recycle through Loop that otherwise don't have an end-of-life solution.

Consumers are looking for zero-waste solutions for products that they can't already buy bulk or package-free from their local stores.

Loop is differentiated by offering the only existing return or recycling opportunity for products that typically have no end-of-life solution (i.e. razors). Consumers want transparency and education about end-of-life solutions for products.



“You can get almonds without packaging by going to the grocery store - but you can't get mouthwash without plastic packaging by going to the grocery store, it's uniquely Loop.”

“Using wipes is a guilty pleasure for me – they're so easy, but so wasteful. I loved getting the pouch for used wipes so I can collect them and send them back.”

“Seeing the return bag for Clorox wipes was a huge unexpected surprise for me. It really reinforced the commitment to sustainability.”





A platform to try new products and packaging

- Consumers are happy to try new products or brands might they be big or small as long as they clearly communicate about their commitment to transition to a reuse model.
- The majority of consumers interviewed expressed interest in trying a tablet based toothpaste because it could help eliminate a packaging they would normally throw-away.

"The aluminium box feels like my son who's 2 month today, might be able to use it when he grows up."

"I feel like i'm part of the beginning of a revolution, where we can get big brands to change their stance on disposability and not leaving small brands behind."

"I'd love to find Shampoo, deodorant and soap, try new products on Loop. I want to replace everything that I need to throw away after use."





Pricing



Consumers are willing to pay more for the waste solution Loop provides, and they feel they are “voting with their wallet” to purposefully support an important initiative. However, the total cost of their first order can be surprising as they need to pay for products, deposits, and in some cases shipping costs.

Product Price

- Most product prices seem comparable to outside sources, or a little more expensive, but waste-free packaging adds value to products which justifies the premium.
- Note that the majority of the consumers we visited were middle- to high-income consumers with strong environmental concerns and commitments, and some of them expressed concern that their friends and family with different budgets might experience a price barrier.

“For an extra \$1, I’ll definitely pay to have reusable packaging.”

“We’re lucky that we can afford to do this, but I know that not everyone can.”

Deposit Price

- Deposit costs seem fair, and the consumer can understand and rationalize it. Most consumers we spoke with didn’t really look at or pay attention to deposit prices, because they knew they’d receive the money back in the future.
- A few consumers expressed that there was a high cash-outlay on the first order, before they began cycling through deposit balance for returned products.

“This is something I care enough to spend on, but I can see it being cost prohibitive.”

“I wouldn’t be too pushy about encouraging others to do it because I know the cost would be too much for some people.”

Shipping Cost

- Most consumers objected to paying for shipping costs, and many were conditioned to Amazon Prime and expect free shipping to be the norm.
- Consumers who had ordered on shipment-free weekends expressed less or no concerns on pricing in general.
- Shipping costs delay new orders as consumers wait until they have several products to purchase.

“If shipping costs are too much, I’ll turn and run away when shopping online - it’s better to hide that in the cost of the product - psychologically I feel better about that.”



Assortment: More range

Loop doesn't have all of the products consumers want to buy, and they want to see more assortment on the platform (especially fast cycle items, household staples, core products and more mid-range mainstream big brands) so that they can shift more of their purchases to Loop.



"I would move 100% to LOOP tomorrow. It's not possible right now because of limited inventory that can't meet all of my needs."

"If I can lessen the damage we're doing to the environment, then Loop will be my first stop... and then I'll buy whatever I can't find on Loop at the store around the corner."

New product launches drive engagement and conversion on the platform.

"I know the exact number of products on the platform, and I check every day to see if new ones have been added. I am literally standing by waiting for the day when Tide launches so I can place my order."





Assortment: The products consumers want

Category expansion is more important than adding more brands or variants in a category, as most consumers are satisfied by any brand name that offers a zero-waste version of a product they use frequently.



"If the product was right and I was buying groceries, I'd be doing it every week. It would be great to have milk."

"I would buy all my non-perishables through Loop if they carried the products I need."

Consumers want more fast-cycle products because the items they use every day generate the most unwanted waste in their homes, and because their reorder pattern of inbound and outbound Totes would be more intuitive if they were quickly filling and returning packages. More fast-cycle products would allow users to justify returning and quickly cycling through orders, enabling users to buy again without guilt.

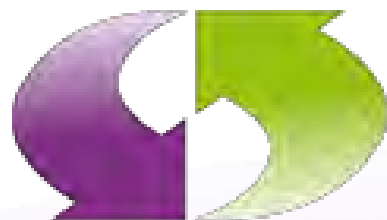
"A jar of spice might sit in my cabinets for 4 years - I'd like to see more of the stuff that we crank through every day, like cereals, snacks, and yogurt."

"The things that we use every day weren't as available as the things we use on occasion."



THANK YOU

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LARAC

Local Authority Recycling
Advisory Committee

Lee Marshall – CEO

**Resource and Waste Strategy
One Year On**



Introduction

- Recap of Resource and Waste Strategy
- Review of major consultations
- Overview of Environment Bill
- Possible next steps

Resource and Waste Strategy

Key Strategic Aims

- To work towards all plastic packaging placed on the market being recyclable, reusable or compostable by 2025
- To work towards eliminating food waste to landfill by 2030
- To eliminate avoidable plastic waste over the lifetime of the 25 Year Environment Plan
- To double resource productivity by 2050
- To eliminate avoidable waste of all kinds by 2050

Resource and Waste Strategy

Main Policy Areas

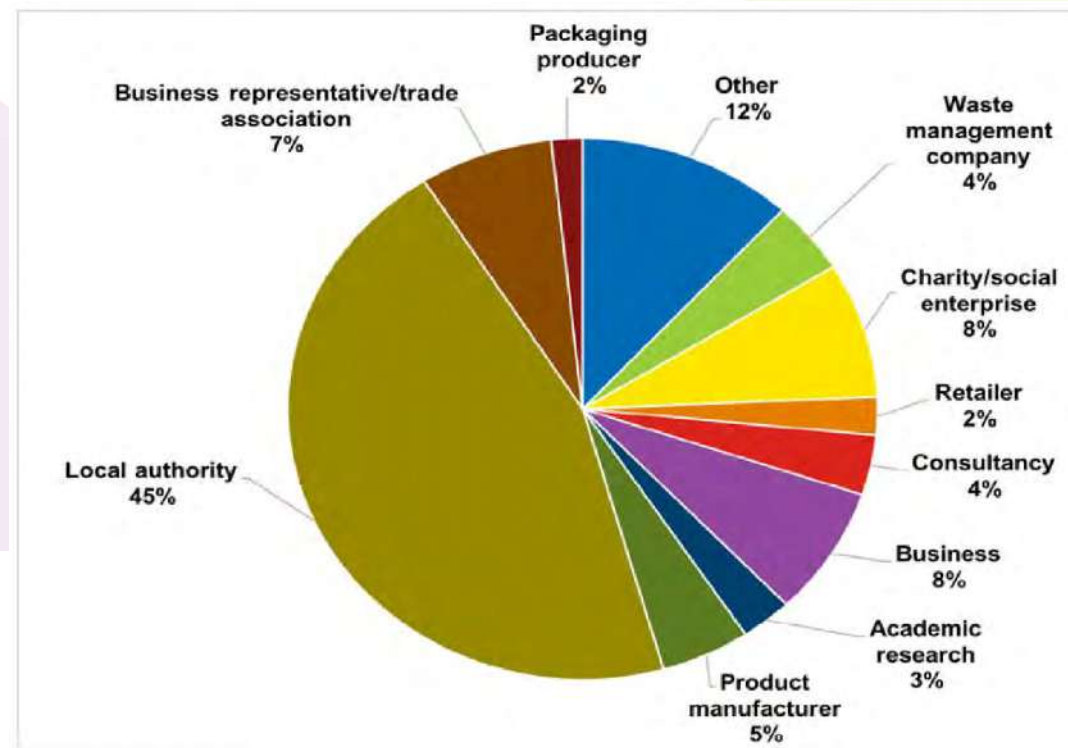
- EPR for packaging, ensuring that producers pay the full net costs
- DRS scheme for single-use drinks containers
- Core set of materials to be collected by all local authorities and waste operators and which collection systems would be most effective at preserving material quality
- Weekly separate food waste collections for all householders and appropriate businesses
- Consider whether householders with gardens should have access to free garden waste collections.
- Review Controlled Waste Regulations and consult on amending them in relation to HWRC with possible minimum service standards being set.
- Two-tier working - review the effectiveness of current arrangements for local authority waste management.
- Mandatory use of electronic waste transfer details
- Tax on plastic packaging not containing at least 30% recycled content



Consistency Consultation Outcomes

Responses

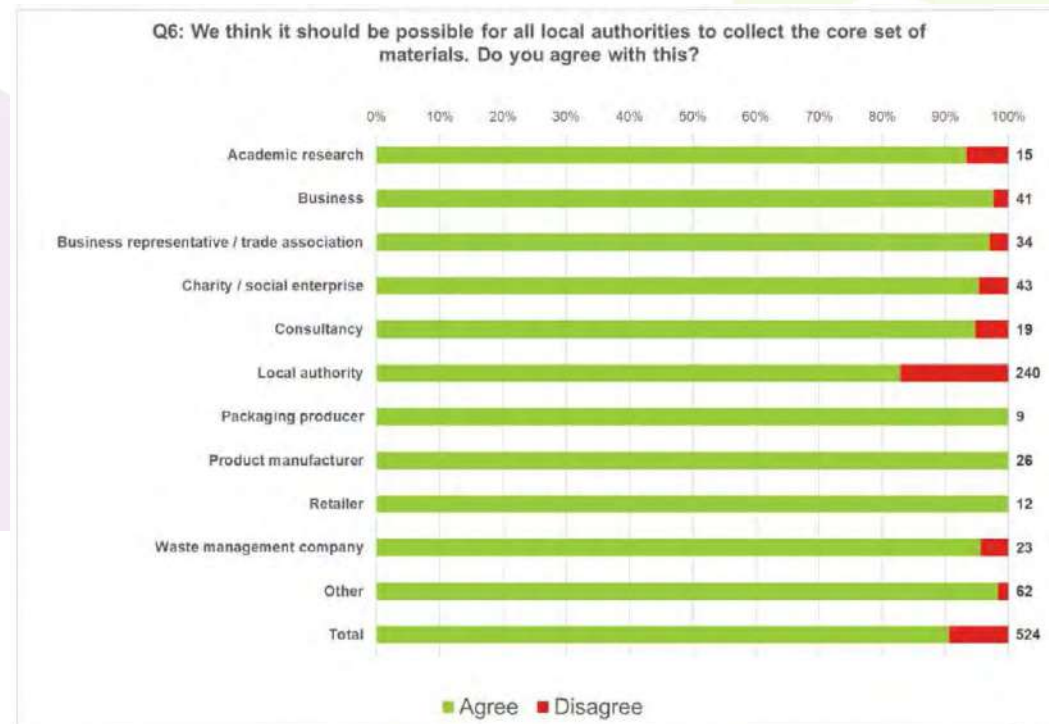
- 1182 from individuals
- 531 from stakeholders/organisations
- 241 of these were local authority



Consistency Consultation Outcomes

Core Set of Materials

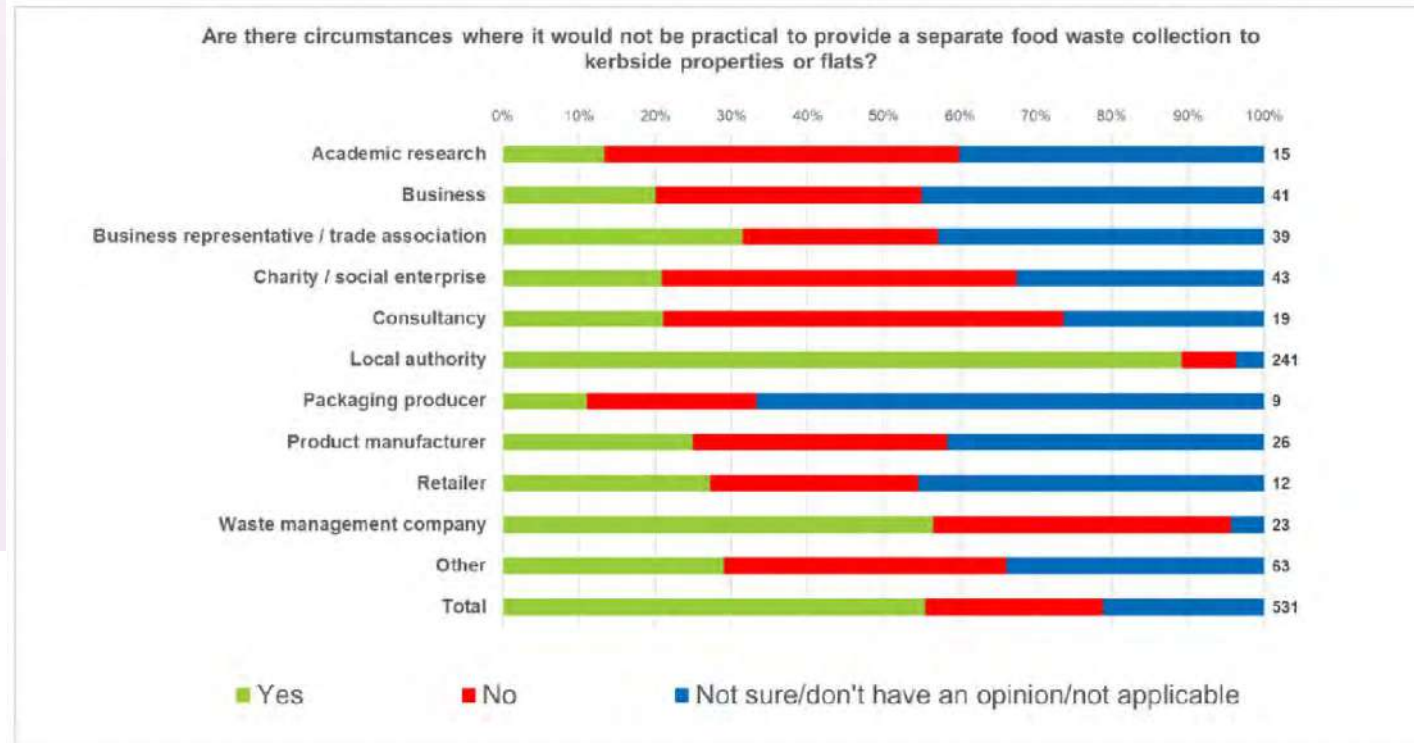
- 95% agreed should be collected
- Slight differences in how possible
- Glass, 95% Paper/Card, 97% Plastic Bottles, 97% PTT, 90% Cans 97%
- Food and drinks Cartons, 60% Plastic Bags and Film, 37%
- Stable markets and sorting facilities



Consistency Consultation Outcomes

Food Waste

- at least a weekly collection of food waste – 72%
- a separate collection of food waste (i.e. not mixed with garden waste) – 61%
- services to be changed only as and when contracts allow – 49% (75% LAs)
- providing free caddy liners to householders for food waste collections - 56%



Consistency Consultation Outcomes

Garden Waste

- a free garden waste collection for all households with gardens
 - 38% agree – down to 20% for LAs
- a capacity to 240l (bin or other container e.g. sack)
 - 57% agree
- a fortnightly collection frequency (available at least through the growing season)
 - 68% agree – down to 55% for LAs
- ability to charge households for additional capacity/collections/containers over the set minimum capacity requirement
 - 71% agree
- this new requirement to start from 2023 (subject to funding and waste contracts)
 - 37% agree – down to 26% for LAs

Consistency Consultation Outcomes

Separate Collection, Bin Colours, Frequency, Business

- Separate collection to ensure quality
 - 48% agree – down to 24% for LAs
- Bin Colours
 - agree - bin colours should be standardised for all waste streams - 47% - down to 33% for LAs
 - agree in part - bin colours should be standardised for some waste streams but not all - 12%
 - disagree -bin colours should not be standardised for any waste streams - 16%
 - not sure/no opinion/not applicable - 18%
 - not answered - 8%
- Minimum service standard for residual waste collection every alternative week
 - 43% agree – down to 22% for LAs
- Large support for separate collections of dry and food waste for business waste

Consistency Consultation Outcomes

Government Response

Given the strong support for greater consistency, the government will seek to amend legislation to require all English local authorities to collect at least the following dry materials from 2023:

- glass bottles and containers – including drinks bottles, condiment bottles, jars
- paper and card – including newspaper, cardboard packaging, writing paper
- plastic bottles – including clear drinks containers, HDPE (milk containers), detergent, shampoo and cleaning products
- plastic pots tubs and trays
- steel and aluminium tins and cans

Given the support for separate food waste collection government will legislate to ensure that every local authority provides householders with a separate food waste collection.

We will give further consideration to the costs and benefits of this measures before making a final decision on whether garden waste collections should be free of charge, or whether charging should be a matter for local decision making.



Consistency Consultation Outcomes

Government Response

We will work with the sector to ensure suitable guidance is provided on the application of separate collection provisions to achieve high quality recycling.

Whilst there are clear benefits to having standardised bin colours and there is support for this, it is also clear that there are practical concerns about implementation and whether this should be mandated or not. We will give this further consideration as we develop the next steps on consistency.

Government will work with local authorities and other stakeholders to prepare statutory guidance on minimum service standards for waste and recycling. We will use comments made during this consultation to inform the content of the guidance, as well as discussions with the sector

Given the strong support in the consultation for having businesses segregate dry materials to be recycled we will seek to amend legislation so that businesses must make arrangements to separate recyclable waste from residual waste.



DRS Consultation Outcomes

Responses

Profile of respondent

- Individuals 467
- Local Authorities 122
- Community Groups 29
- Manufacturer 25
- Business representative organisation/Trade Association 23
- Charity 19
- Retailer 16
- Waste Management Company 13
- Academic 11
- Independent Consultancy 10
- Social Enterprise 4
- Reprocessor 3
- Distributor 1
- Product designer 1
- Other 49
- TOTAL Citizen Space responses 793

- Email responses 387
- Campaign responses 207,089

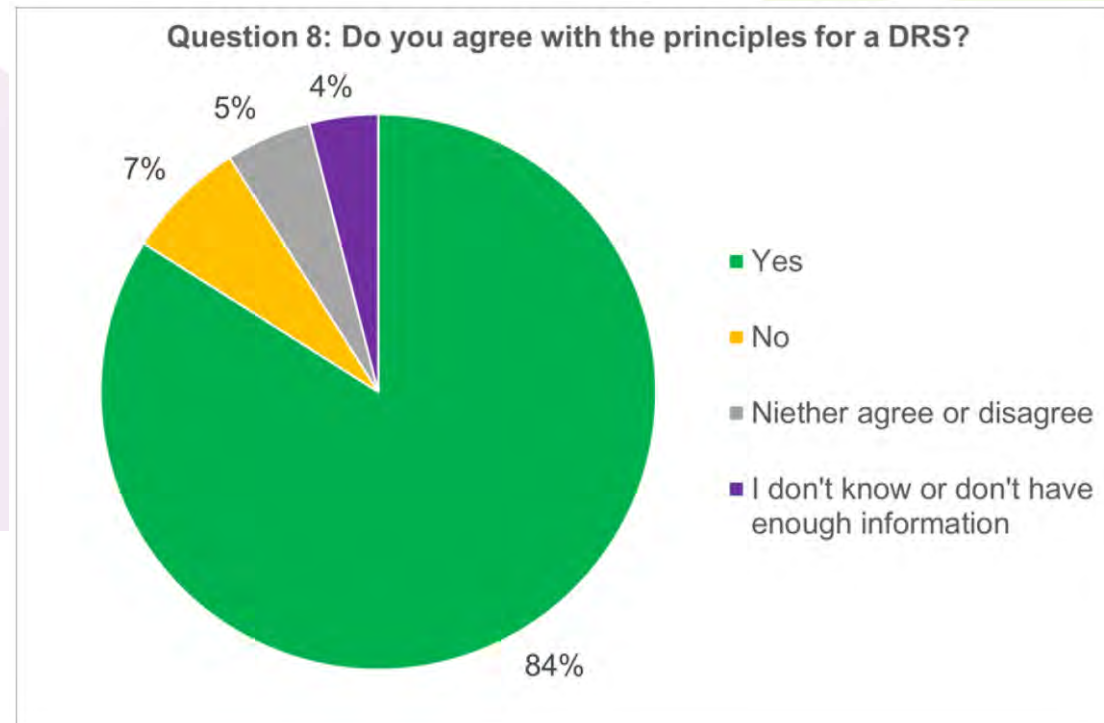
Number of responses



DRS Consultation Outcomes

Principles of DRS

- Most commonly, respondents felt that a DRS would incentivise consumers to recycle containers, leading to higher overall recycling rates and an associated reduction in littering and waste production.
- Although the large majority of respondents agreed with the principles of DRS, there were some who felt that such a scheme was unnecessary.



DRS Consultation Outcomes

Materials in Scope

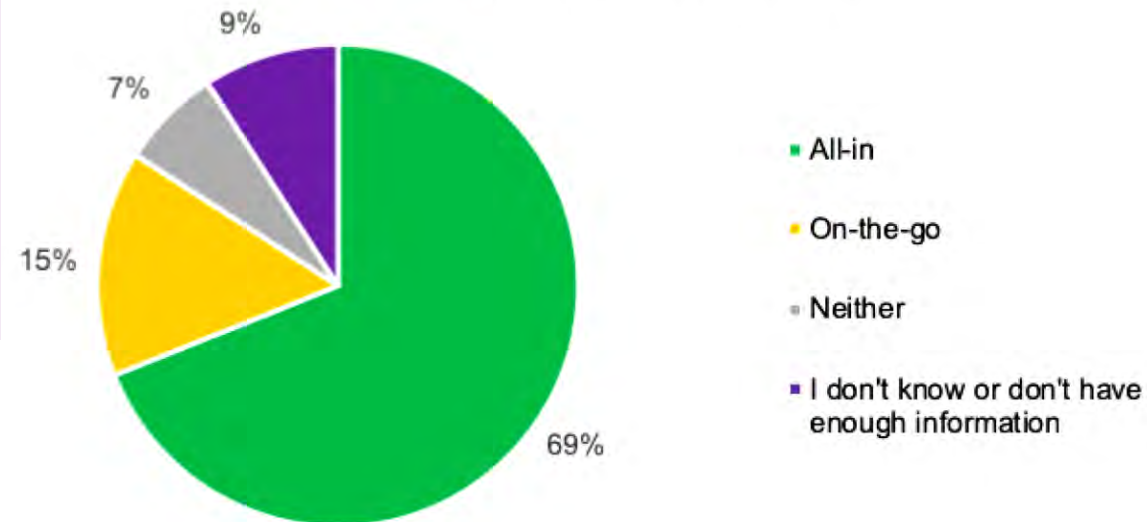
Material	Yes, included	No	Neither agree nor disagree	Don't know/not enough info
PET bottles	94%	3%	1%	2%
HDPE bottles	84%	12%	1%	4%
Aluminium cans	94%	4%	1%	1%
Steel cans	90%	6%	1%	3%
Glass bottles	86%	10%	1%	2%
Tetrapak	73%			
Pouches and sachets	61%			

DRS Consultation Outcomes

All in or On The Go

- Many local authorities argued that the implementation of a DRS should be deferred until stakeholders better understand the long-term impacts of the extended producer responsibility scheme.

Question 70: Based on the above information, and where relevant with reference to the associated costs and benefits outlined in our impact assessment, which is your preferred DRS option?



DRS Consultation Outcomes

Considerations for local authorities as part of an operational DRS

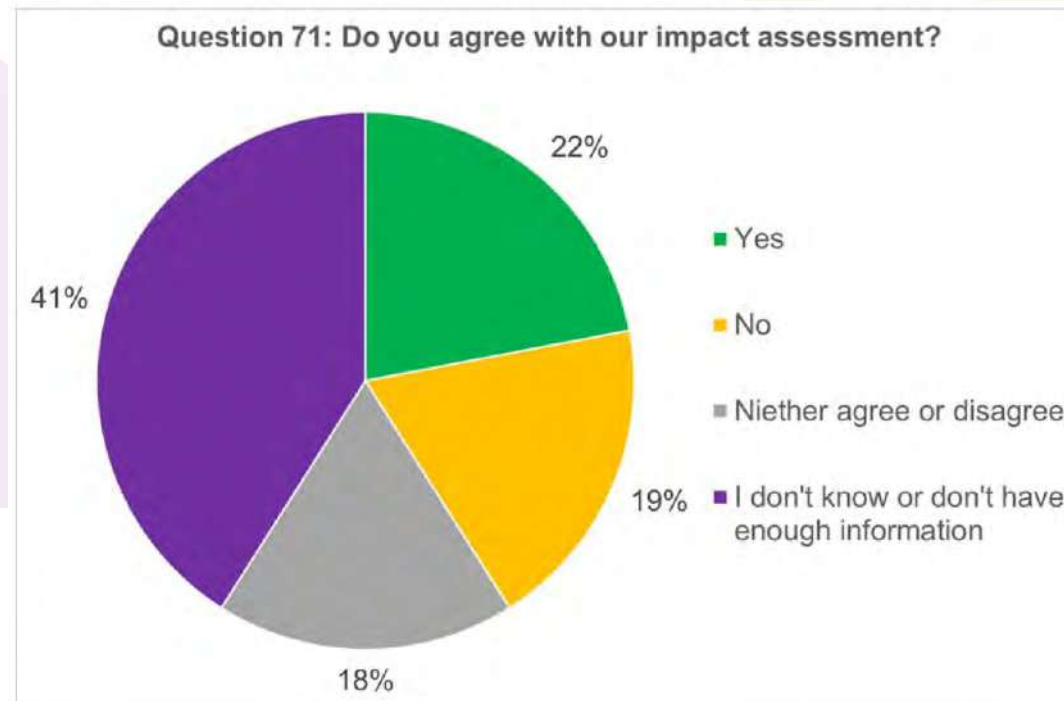
In focusing on specific questions, respondents were first asked if local authority considerations should be taken into account when deciding to implement an 'all-in' or 'on-the-go' scheme. Respondents identified the following four issues:

- The main concern among local authorities is the financial impact of implementing a DRS. In particular, the perceived loss of revenue streams from kerbside collections. Previous responses to earlier questions in this consultation have raised concerns about IA findings in this area, with many local authority respondents calling for more financial modelling to be completed and for a greater focus on identifying and mitigating any detrimental or unintended consequences of a DRS.
- Use of profits and unredeemed deposits to fund kerbside collections and other services. An alternative approach, that local authorities suggested, is to use profits and money collated through unredeemed deposits to cover losses from kerbside collections and to fund other activities
- Implementing an 'on-the-go' scheme to minimise impact on local authorities. Some respondents stated that an 'on-the-go' DRS would operate more effectively alongside the extended producer responsibility scheme and existing kerbside collection
- The role of local authorities in a multi-faceted approach to recycling and single use plastic reduction. Some respondents viewed that the operation of the DRS needs to fit seamlessly into the existing infrastructure and add value to the activities already taking place.

DRS Consultation Outcomes

Impact Assessment

- Almost 1 in 5 (19%) disagreed with the IA, a figure that increases to 41% among local authorities, but decreases to 4% of individuals.
- 25% of respondents who provided a reason for their view, stated that the costs savings predicted in the financial model in the IA were overestimated, particularly figures on litter savings.
- 40% of the 753 responses thought that more data or further evidence was needed



DRS Consultation Outcomes

Government Response

Given both the requirement to meet higher collection targets and the analysis of consultation responses, we are minded to introduce a DRS for drinks containers in England and Wales from 2023.

The introduction of a DRS is subject to receiving additional evidence and carrying out further analysis on the costs and benefits of such a scheme.

Next steps will be:

- to seek primary powers to implement deposit return schemes in the Environment Bill
- to hold a second consultation in 2020 on the regulatory framework for introducing a DRS through secondary legislation
- following the second consultation, we would introduce a DRS from 2023

EPR Consultation Outcomes

Responses

Respondent Type	Number of responses	Percentage of total responses
• Academic or research	7	1%
• Business representative organisation or trade body	91	13%
• Charity or social enterprise	12	2%
• Community group	8	1%
• Consultancy	14	2%
• Distributor	18	3%
• Individual	104	15%
• Local government	226	33%
• Non-governmental organisation	5	1%
• Other	62	9%
• Packaging manufacturer / converter / designer	36	5%
• Product manufacturer / pack filler	60	9%
• Reprocessor / Waste Management Company	21	3%
• Retailer	15	2%

EPR Consultation Outcomes

Costs

Full Net Cost Definition

- 56% Yes (concerns raised about the actual detail)
- 16% No – not strong enough
 - (Local government responses dominated this response but other respondents included waste management companies and non-governmental organisations)
- 28% No – too strong
 - (business representative organisation /trade bodies, product manufacturers/pack fillers and packaging manufacturers/converters).

Costs of collecting Household Waste

- 74% agree

Commercial/Industrial out of scope

- 60% agree (subject to definition)

Obligated for both EPR and DRS

- 50% agree, 28% disagree



EPR Consultation Outcomes

Payments to Local Authorities

Meet minimum standards

- 77% Yes (but a key issue was the wide variation in circumstances faced by local authorities across the UK.)

Quantity and quality of target packaging materials collected for recycling

- 91% Yes (common theme was that producers should not, in effect, be paying to subsidise inefficiency – but - concern that councils would be penalised over material quality over which, it was suggested, they had limited influence.)

Cost of managing household packaging waste in residual

- 81% Yes

Considered all of the costs to local authorities

- 24% Yes, 47% No – litter, contract changes, bulking etc

EPR Consultation Outcomes

Payments for Business and Household Like

Making payments for the collection of household-like packaging waste for recycling

- 58% Yes

Businesses producing household-like packaging receive a payment for the costs of household-like packaging waste in residual waste

- 16% Yes, 60% No

EPR Consultation Outcomes

Communications

Producer fees be used to support communications delivered by local authorities

- 88% Yes

Producer fees be used to support nationally-led communications campaigns

- 90% Yes

Mandatory for producers to label their packaging as Recyclable/Not Recyclable

- 90% Yes (OPRL mentioned a lot, but barriers to trade highlighted)

Percentage of recycled content should be stated on product packaging

- 53% Yes

EPR Consultation Outcomes

Governance Models

Producer fees be used to support communications delivered by local authorities

- 27% Model One – enhanced compliance schemes
 - 43% Model Two – single organisation
 - 6% Model Three – single organisation and compliance for commercial
 - 19% Model Four – deposit government managed system
 - 5% a hybrid model
-
- Model 1 - business representative organisations, 'other' organisations, distributors, reprocessors and waste management companies.
 - Model 2 - local government and third sector organisations.
 - Model 3 - a mix of organisations.
 - Model 4 - individuals and community groups.

EPR Consultation Outcomes

Government Response

We intend to progress our policy proposals and introduce an extended producer responsibility scheme for packaging in 2023.

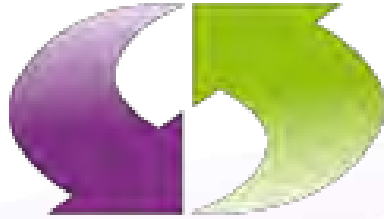
We will take primary powers in the Environment Bill to enable us to implement new extended producer responsibility (EPR) systems. We will then bring forward our detailed proposals on the specific nature of an EPR system for packaging and associated secondary legislation for consultation in 2020.

Environment Bill

The Bill failed to complete its passage through Parliament before Dissolution. This means the Bill will make no further progress.

Next Steps

- Resubmitting of Environment Bill
- Stakeholder engagement on consistency, DRS, EPR
- Sector stakeholder meetings through DEFRA
- Next set of consultations
- Scotland DRS system



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Thank you

- Lunch is served downstairs – staff are on hand to direct you to the serving area.
- Please feel free to spill out in to the canteen area but no food is allowed upstairs.
- For those that have booked on, site tours will leave from outside the canteen at 1.40pm and 2.10pm.
- Please remember to sign out on your way out.
- Local taxi numbers:
 - Response: 01254 774545
 - Rapid: 01254 777000





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**North West Region Annual Christmas
Lunch**

To be held at
Liverpool Football Club

To be compared by
Willie Miller, comedian

on the
6th December 2019, commencing @ 11am

Tickets now available at
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15 November 2019

