

Evaluating the Resources and Waste Strategy

Barbara Leach, December 2021



Background and context

The Resources and Waste Strategy





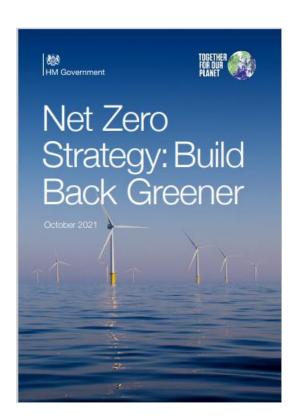
www.gov.uk/government/publications/resources-and-waste-strategy-for-england

The changing policy context





Environment Act 2021



Our ministers



Eustice MP
Secretary of State for
Environment, Food and Rural

Goldsmith

Minister of State (Minister for the Pacific and the International Environment)

Unpaid



Minister of State (Minister for Farming, Fisheries and Food)



Parliamentary Under Secretary
of State (Minister for Nature
Recovery and the Domestic
Environment)



Parliamentary Under Secretary of State (Minister for Rural Affairs, access to nature and Biosecurity)



Jo Churchill MP

Parliamentary Under Secretary
of State (Minister for AgriInnovation and Climate
Adaptation)



Initiatives implemented

2020 No. 971

ENVIRONMENTAL PROTECTION, ENGLAND

The Environmental Protection (Plastic Straws, Cotton Buds and Stirrers) (England) Regulations 2020

10th September 2020

h regulation 1

Policy paper Carrier bags: why there's a charge Updated 21 May 2021

2. Bags for life

fora

We want to reduce the use of single-use carrier bags, and the litter they can cause, by Contents encouraging people to reuse bags. 1. Which shops charge for

January 16, 2020

by James Langley

Waste Management

Legislation

From 21 May 2021 the charge for single-use carrier bags increased to a minimum of 10p

Waste crime taskforce launched

A taskforce dedicated to tackling serious and organised waste crime has been launched today (16 January), bringing together law enforcement agencies, environmental regulators, HMRC and the National Crime Agency.

One of several initiatives in the government's Resources and Waste Strategy, the Joint Unit for Waste Crime (JUWC) will conduct site inspections, make arrests and prosecutions and, upon conviction, push for heavy fines and custodial sentences.

Toby Willison, executive director of operations at the Environment Agency and chair of the JUWC board, said: "The war against waste crime just took a giant step forward.

"The launch of this new unit means we now have a full complement of partners across





UK government policy on shipments of waste for disposal to and from the United Kingdom

September 2021

Department

for Environment Food & Rural Affairs

> Department for Environment Food & Rural Affairs

Waste Management Plan for England

January 2021









Collection & Packaging Reforms

Packaging EPR

Welsh Governmen

and Rural Affairs

Agriculture, Environment

1 of 213

Department for Environment Food & Rural Affairs

Scottish Government Riaghaltas na h-Alba

Deposit Return Scheme



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

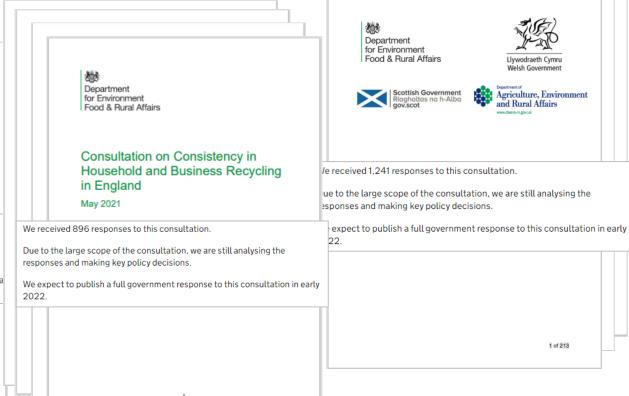
We received 2,590 responses to this consultation.

Due to the large scope of the consultation, we are still analysing the responses and making key policy decisions.

We expect to publish a full government response to this consultation by ea 2022.







Consistency

New consultation



Consultation on proposals to ban commonly littered single-use plastic items in England

November 2021

Targets



2011/2021, 15-17 19 August 2020: Environment Bill - environmental largels - GOVLIK

Coronavirus (COVID-19) (/coronavirus) Guidance and support

- 1. Home (https://www.gov.uk/)
- 2. Environment (https://www.gov.uk/environment)
- 3. Environment Bill 2020 (https://www.gov.uk/government/publications/environment-bill-2020)
- Department

for Environment

Food & Rural Affairs (https://www.gov.uk/government/organisations/department-forenvironment-food-rural-affairs)

Policy paper

19 August 2020: Environment Bill - environmental targets

Updated 6 September 2021

Contents

Introduction

Part A: process for developing targets under the Environment Bill framework

Part B: an overview of the scope of targets

Part C: sources of target information and how you can get involved

Environment Act 2021

ns set long-term targets in respect of any matter which relates to—

ural

Objectives for targets under consideration

We want to explore as a priority how targets can help:

- increase resource productivity
- reduce the volume of 'residual' waste we generate

reduction.

cify-

ich must be capable of being objectively measured, and leved.

https://www.gov.uk/government/publications/environment-bill-2020/sugust-2020-environment-bill-environmental-targets

1/23

Calls for evidence





STANDAR BIO-BASE BIODEGR, COMPOST

Call for Evidence

Closing date: 14 October 201

Standards for bio-based, biodegradable, and compostable plastics

Summary of responses to the call for evidence and Government Response.

July 2019

April 2021



Department for Environment Food & Rural Affairs

Call for evidence on commonly littered and problematic plastic items

November 2021

Waste Prevention Programme



Prevention is better than cure

The role of waste prevention in moving to a more resource efficient economy



December 2013



Waste Prevention Programme for England

Towards a resource efficient economy Consultation version

March 2021

Still to come

Subject to consultation and approval

POLICIES

Extended producer responsibility for packaging

A deposit return scheme for drinks packaging

Consistent recycling collections for households and businesses

Reform of the carriers, brokers and dealers regulations

Reform of exemptions to licensing/permitting

Waste tracking

Eco-design

Product labelling

Reforms to WEEE extended producer responsibility

Reforms to batteries extended producer responsibility

Introduction of extended producer responsibility for textiles

Introduction of extended producer responsibility for furniture

STRATEGY

Waste Prevention Plan

Review of the Resources and Waste Strategy – timing TBC



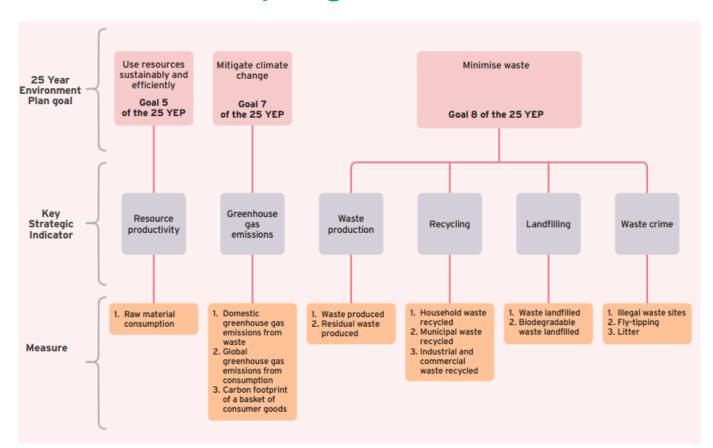
There is lots going on



Monitoring

How much?

Indicators of progress



Monitoring Progress



Resources and Waste Strategy Monitoring Progress



www.gov.uk/government/public ations/resources-and-wastestrategy-for-englandmonitoring-and-evaluation

Headlines – waste generation and GHG

- Raw material consumption has fallen by 21% since 2004
- Resource productivity is improving
- Greenhouse gas emissions from waste management have fallen by 71% since 1990
- Waste generation continues to rise but waste intensity is flat
- Food waste is falling and the UK is on track to meet its targets in this area

Headlines – recycling, recovery and disposal

- 52.8% of all waste was recycled or recovered in 2018
- Recycling rates for Waste from Households (45%) and LA Collected Waste (43%) remain flat
- Recycling of plastic, glass and metal packaging is up but recycling of paper and cardboard is down
- Waste to landfill is down 42% since 2010
- Tonnages incinerated have risen by 150% since 2010
- Biodegradable municipal waste to landfill is down 48% but this needs to accelerate if we want to eliminate it by 2030



Evaluation

Why, how, who and when?

What is evaluation?

A way of independently and honestly reviewing implemented policies Based on robust methods that are underpinned by (social) science Both for learning and for accountability

Answers the questions:

Are they working, how, for whom and in what circumstances?

What benefits have they created? And what disbenefits?

How could they be improved?

Evaluation



"we will ensure we learn, genuinely and openly, about the effects watthe heart of our programme must be alfocus on

Rt Hon Michael Gove

adapt our programmes accordingly"
what works – what actually helps our fellow citizens to flourish. And that means, as have emphasised, rigorous evaluation of Government programmes. What value do they add? What incentives do they provide for better performance and better service to others?"

> Speech on the Privilege of Public Service and www.gov.uk/government/publications/resource Speech on the Privilege of Public Service and www.gov.uk/government/publications/resource Speech on the Privilege of Public Service and www.gov.uk/government/publications/resource and-evaluation

Three types of evaluation

Process

Has the policy been implemented as intended?

What progress has been made?

Is there anything we can learn about how evaluable its impact will be?

Impact

What has worked, how, for whom, in what circumstances? What benefits? What disbenefits?

Attribution – how and to what extent have Defra policies made a difference? What would have happened anyway? What changes are the result of other things?

Economic

Has it been value for money for the public purse?

Impact evaluation questions

How and to what extent has the Resources and Waste Strategy helped to ...

- 1. reduce the amount of waste produced
- 2. increase the amount of municipal waste packaging recycled
- 3. Increase the amount of other municipal waste recycled, particularly food waste, garden waste and paper and card
- 4. improve resource efficiency around plastics (minimisation, management and fate)
- 5. decrease waste crime and poor management of wastes

w

www.gov.uk/defra

Our approach

Start as early as possible

Single procurement to appoint a supplier with a combination of evaluation and topic expertise

Five year programme of work

Year-on-year progression dependent on funding settlements

Four expert peer reviewers

Panel of external advisers, deployed flexibly as needed

Invitation to Tender

(Open Procedure - PCR2015)

for Environment Food & Rural Affairs

Tender for Evaluation of the Resources and Waste Strategy and Waste Prevention Programme for England

Tender Reference: ITT 9232

TO

Timetable subject to change

Appoint contractor January 2022

Appoint peer reviewers By March 2022

Confirm external advisors By March 2022

Initiation and planning work February – May 2022

Gathering data/baselines 2022 – 2024

Process evaluations 2022 – 2025

Impact evaluations 2024 – 2027 (and possibly after)

Economic evaluations 2026 – 2027 (and possibly after)

What can local government do?

Continue to respond to consultations and calls for evidence – it means we sometimes take longer, but the end result will be better

Engage with your sectoral associations – make sure they know your views, operational exprience and proferns

Think whether there is a way or the monitoring as part of your or than operations hew text is making this easier

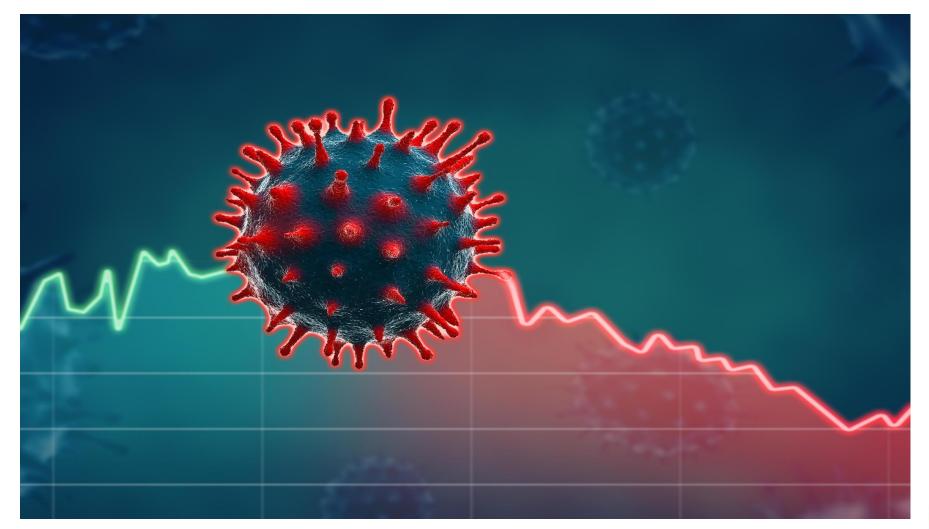
Think whethe you can keep e ords as new schemes and initiatives roll of t

Any questions?

Barbara Leach

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Pandemic – Lessons Learned



APSE Blackpool - Covid Performance Networks December 2021



Fear of the unknown March 2020

- The Unknown
- Staff Supporting Front Line Staff
- New Ways of Working Office and Front Line working from home
- Reduced Services
- Continuation of services
- Stay at home additional waste
- Additional work load tonnage and tagging
- Isolation
- Residents Love us or Loathe us



COVID clear outs



If you are producing additional recycling and refuse during this period...



The Shared Service can provide additional free of charge recycling wheelie bins. In Corby additional food caddies are also available free of charge. These can be ordered online by your council website or by contacting your local customer service team:

Kettering residents 01536 410 333

Corby residents customer.first@corby.gov.uk

A contact free delivery is available for recycling bins. Please be aware there may be a small d





We kindly remind all residents that tissues MUST be placed in tied bags in their black general waste bins. Failure to do so may result in non collection of your bin—this will need to be remedied before your next scheduled collection in order for your bin to be emptied.

All bins must be presented by 6:30am on the morning of collection. Refuse collection crews will not take any side waste

Councils contact details Corby customer.first@corby.gov.uk | Kettering 01536 410333 Further information on your refuse and recycling service – www.corby.gov.uk/recycling www.kettering.gov.uk/rubbishwasteandrecycling

Important information regarding COVID19

Please help keep us all safe Your bin crew needs you...



Helping us to help you

Our refuse and recycling teams are providing essential services to make sure your waste collections continue and that your waste is disposed of properly.

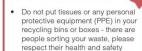
Everyone has a part to play in keeping waste collections running. To keep yourselves and our crews safe please...

- Wash your hands, before and after handling your bins or boxes
- Always disinfect your bin handles and lids before and after collection
- Cloths, wipes and gloves or any other personal protective equipment (PPE) that you use for cleaning should be bagged and placed in the general waste bin
- If you are showing any symptoms of COVID19 please double bag any waste such as used tissues and disposable cleaning equipment. Keep these bags aside for at least 72 hours before putting into your black bin.









Do not present any additional bags of refuse next to your black bin during this time for the safety of our staff. We are unable to collect any rubbish that is not in



COVID collecting waste – delivering the message

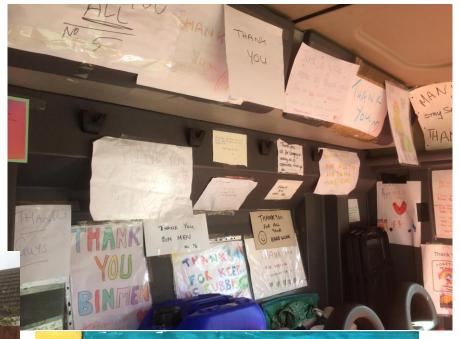


Northamptonshire

Council



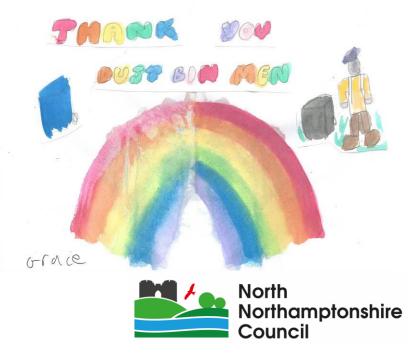
Messages of Love











The New Way of Working Covid will be with us for many years

- Conform to the norm is this the how things will be?
- Current Adapted ways of working How long?
- Funding can we continue to maintain service standards with the budgets we have?
- Increase costs reduction in services?
- Will services have to be cut or reduced to be able to continue to fund e.g. Remove Green/Charge for Green
- Food Waste services for all 2023 funding!
- Could your service support another lockdown?



Jabbed or Not to be Jabbed???

- Global overview 14th November
- New Cases The highest number reported Germany 50% increase with most of Europe on the up.
- USA 8% increase Opening up to UK Tourists from November.
- UK New Cases currently 252,905 similar to previous week vaccination programme reported as going well.
- Will vaccinations become compulsory as Austria?
- Will employees need to prove they have been vaccinated to work?
- Will the vaccination passport become mandatory/exceptions?
- Will isolation continually be funded by companies if employees not vaccinated?



COVID THE AFTERMATH Your Thoughts



Doug Sharp

Head of Waste Management & Street Cleansing - Hull City Council

The challenge....

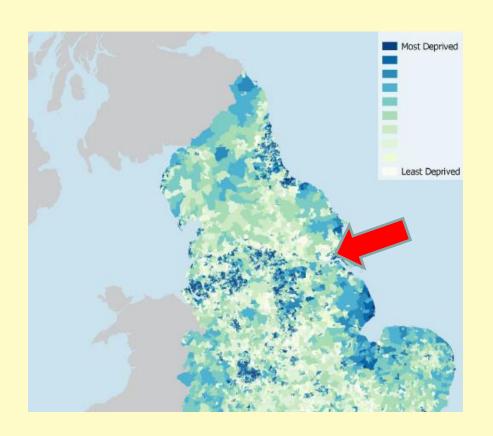
- How do we improve recycling and reduce contamination?
- Will the government strategy deliver a 65% recycling target?
- What else can we do to achieve it?





A bit about Hull

- Unitary authority
- Ranked 4th highest for levels of deprivation
- Population 260,000
- 123,000 households
- NI 192 48.1%







Hull – A mini case study

Black ✓ Residual

Brown

- ✓ Kitchen waste
- ✓ Garden waste



AWC – Blue & Brown together and all collected on the same day of the week

Blue

- ✓ Paper
- ✓ Cardboard
- ✓ Plastic bottles, tubs& trays
- ✓ Glass bottles& jars
- ✓ Cans
- ✓ Drinks cartons





How we improved quality

Quality is more than contamination rates.

The materials need to be:

- √ Free of contamination
- ✓ Clean
- ✓ Dry
- ✓ Loose
- ✓ Not over compacted







Vehicle alterations to reduce water ingress

- ✓ Modification to drainage holes and channels
- ✓ Increased vehicle cleaning
- ✓ Hopper valves left open when vehicle parked in yard





Vehicle alterations to reduce compaction

- ✓ Ejector back pressure reduced
- ✓ Automatic cut-off switch added to bulkhead which stops the compaction
- ✓ This wasn't a quick fix as buy-in needed from operations and fleet colleagues.
- ✓ Result is more balanced and quality loads.





Changes to crew procedures

- ✓ Change to dedicated recycling crews
- ✓ Use of Bartec in-cab technology to report contamination.
- ✓ Weekly deep clean of vehicle
- ✓ Increased crew briefings





Changes to transfer station procedures

- ✓ All loads graded A-E
- ✓ All loads must be spread out when tipped
- ✓ Grossly contaminated loads re-classified as 'downgrade'
- ✓ Transfer station operator must pick each load for up to 10 minutes
- √ Visible presence at transfer station





3 strikes and you're out!!!

- ✓ In first 6 months of project 750 warning letters issued every week (now 100/week)
- ✓ 2 warning letters followed by bin removal
- √ 5,000 blue recycling bins removed (now 20/week)
- ✓ Declaration form to reinstate bins only 20% returned
- √ Political support





Education & behavioural change

- ✓ Changed to negative messaging
- ✓ Annual pack & collection calendar
- ✓ Bin stickers
- ✓ Knowledge is high 87% of residents when asked got 100% of the 'Which Bin' quiz correct
- ✓ Knowledge does not match behaviour





MRF Quality samples

	Total Target	Total Non- Target	Total Waste
03-Sep	86.33%	1.43%	12.24%
03-Sep	85.18%	1.89%	12.93%
03-Sep	86.28%	0.34%	13.38%
09-Sep	85.92%	0.36%	13.72%
09-Sep	86.12%	0.54%	13.34%
09-Sep	86.43%	0.83%	12.74%
10-Sep	86.02%	0.69%	13.29%
17-Sep	87.87%	0.36%	11.77%
17-Sep	85.46%	1.00%	13.54%
17-Sep	85.19%	1.09%	13.72%
22-Sep	85.66%	0.73%	13.61%
22-Sep	84.86%	0.91%	14.23%
22-Sep	85.87%	0.48%	13.66%
24-Sep	85.50%	1.15%	13.36%
29-Sep	86.59%	0.29%	13.12%
30-Sep	85.30%	1.24%	13.46%
30-Sep	85.93%	1.46%	12.62%

Target – Paper, card, cartons, plastic bottles & tubs, cans, glass, carrier bags

Non-target – Wood, hard plastics, other polythene, scrap metal, WEEE, rubble

Waste – Includes textiles and miscellaneous non recyclable





Contamination Rates 2015-2021















Hull Residual Waste Composition

WASTE MATERIALS (% BY WEIGHT)	ACORN 3H	ACORN 4L	ACORN 50	ACORN 5P	AVERAGE
PAPER	4.12%	7.75%	7.42%	3.31%	6.19%
CARD	4.92%	4.23%	5.18%	3.44%	4.55%
PLASTIC FILM	6.86%	8.32%	5.12%	6.12%	6.34%
DENSE PLASTIC	6.27%	3.88%	8.66%	9.99%	7.44%
TEXTILES	3.93%	6.44%	6.45%	9.41%	6.71%
MISC COMBUSTIBLES	20.72%	20.69%	24.85%	12.74%	20.76%
INERTS	1.43%	6.28%	0.33%	0.25%	1.91%
GLASS	1.36%	1.61%	4.92%	0.85%	2.78%
FERROUS METAL	6.13%	0.80%	2.29%	2.02%	2.41%
NON-FERROUS METAL	1.26%	1.86%	1.00%	1.00%	1.24%
GARDEN WASTE	12.73%	7.90%	0.16%	14.94%	6.83%
PUTRESCIBLES	26.80%	29.78%	33.28%	33.54%	31.59%
FINES	0.34%	0.42%	0.23%	0.29%	0.31%
HHW	0.93%	0.05%	0.11%	2.02%	0.61%
WEEE	2.20%	0.00%	0.00%	0.09%	0.32%
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%





Context

- Compulsory weekly food waste collection
- Compulsory garden waste collection?
- Minimum requirements/consistency for dry recyclables
- TEEP for commingling
- Commercial recycling
- Deposit Return Scheme
- Producer responsibility
- More cash for local authorities??





So what else will your authority consider?

- HWRC diversion Carpets, mattresses, bag sorting?
- Mechanical sorting/MBT?
- Commingling vs Source segregation?
- Kerbside WEEE, textiles, mixed plastics collections?
- Commercial recycling?
- Increased collection frequencies?
- Flat recycling provision?
- Communal recycling facilities?
- Education/communications/behavioural change?
- Enforcement?
- Incentives?





Be part of the conversation! Follow APSE on Twitter and LinkedIn



@apseevents
#apsePN



@APSE - Association for Public Service Excellence

APSE Performance networks seminar 2021

Workshop F Refuse Collection

Welcome

Today's facilitators and presenters are:

Abi Ademiluyi, Principal Advisor, APSE and Peter Kirkbride, APSE Associate

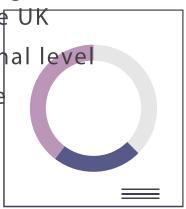


Key messages

Leading performance management tool for local government in the UK

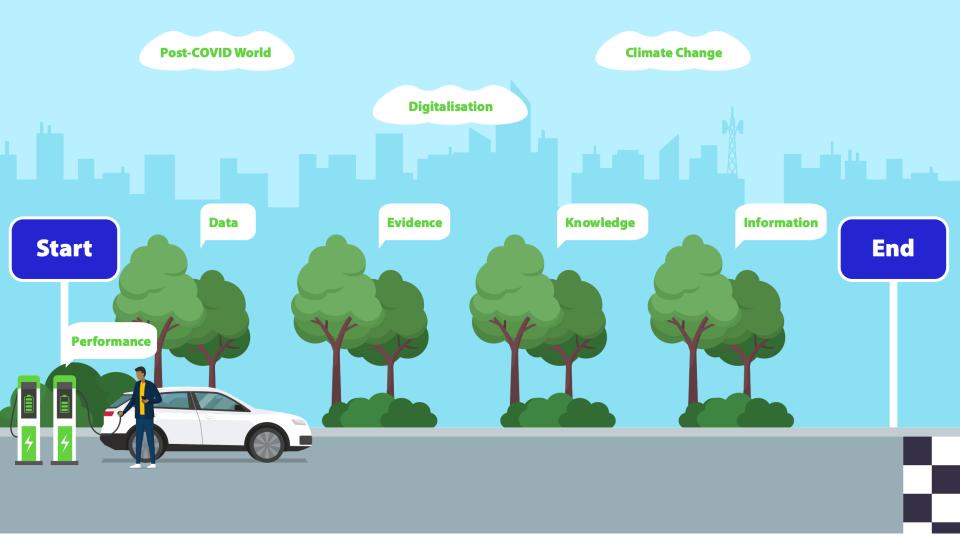
Well-recognised at a national level

Progressive and responsive









Climate change data

Refuse collection

% of authorities where the service is engaged in carbon reduction strategies/actions: Refuse collection 70%

Number of vehicles using each type of fuel (as full time equivalent)	
(as run time equivalent)	
Diesel	DIESE
Compressed natural gas	CNGAS
LPG	LPGAS
Electric	ELECT
Hybrid	HYBRI
Petrol	PETRO

Climate Emergency

Has your council declared a climate emergency?	CLMEM
Has your service been engaged in any of the following:	
i. Carbon reduction strategies / actions?	CLMCR
ii. Ecological emergency actions?	CLMEE

Waste Dataflow data on recycling tonnages – not publicly available yet for 2020-21.

Impact of Covid-19 on Refuse Collection Services 2020-2021

Section One

Service

Suspensions

Section Two

Other

Performance

Measures

Residual Collections

Service Suspensions

2 councils suspended for 1 week (weather related reasons)

Trade Waste and Trade Waste Recycling

Service Suspensions

2 councils suspended for weather related reasons

Collections Suspended Mainly due to planned suspensions and temporary outbreak suspensions



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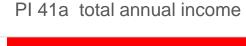


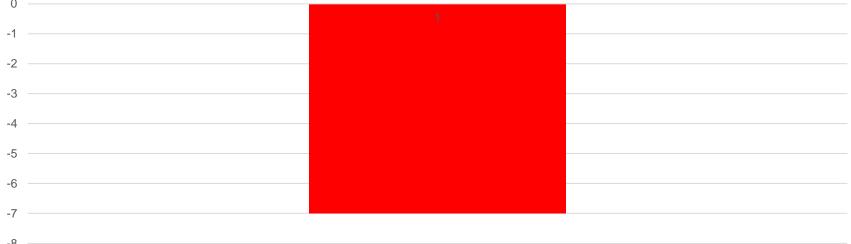
When authorities were asked if they had suspended any services?

69% replied YES

PI 04d trade waste contracts (all)







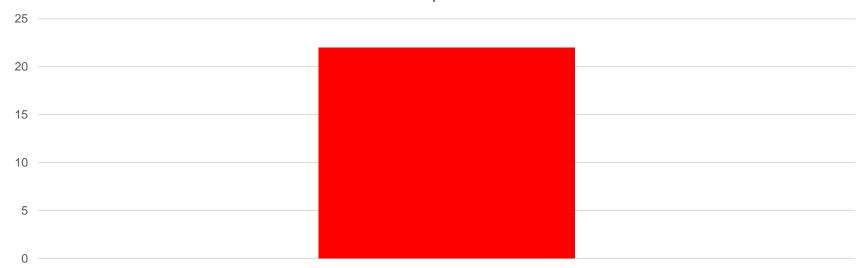












Other Performance Indicators

PI 40a PPE and other covid related expenditure as percentage of total expenditure – 5%

PI 42a Agency/temporary/casual staff costs as percentage of total staff costs – 12%

PI 42b Agency/temporary/casual staff costs as percentage of total expenditure – 5%

Average days lost as a result of Covid positive test (self isolating) up to 10 days, Track and Trace/Advisory self isolation, quarantine

Business closure 1211 equivalent O.66 full time staff number lost

Advisory shielding 358 equivalent 0.20 full time staff number lost

Finally

No councils furloughed staff

(The data is currently undergoing validation and therefore may change when the reports are produced)



Contact details Peter Kirkbride

APSE Associate

Association for Public Service Excellence

2nd floor Washbrook House, Lancastrian Office Centre, Talbot Road, Old Trafford, Manchester M32 0FP.

telephone: 0161 772 1810 **web:**www.apse.org.uk





GB 11409



GB 11132



Tea/Coffee Break

Update on Environment Bill

On the 9th of November parliament passed the Environment Bill, making the legislation UK law.

Now the bill has been passed by parliament, the environment act will have the ability to deliver an ambitious environmental programme.

Ministers now have the power to introduce a range of waste reforms,

- Extended Producer Responsibility (EPR),
- Consistent Collections and
- Deposit Return Scheme (DRS).

www.apse.org.uk

Challenges of implementing the Government's proposals from a Local authority perspective??

What are you doing in your authority?

Open discussion forum

- Effect of ultra-low emissions/ decarbonising the vehicles
- Driver shortages
- Future Developments
- Issues to be addressed at future meetings

Action plan

Thank you

Good luck in tonight's awards! Keep performing!

NEW MUNICIPALISM

Delivering for local people and local economies



Contact details Abi Ademiluyi, Principal Advisor

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2nd floor Washbrook House, Lancastrian Office Centre, Talbot Road, Old Trafford, Manchester M32 0FP.

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Impact of Covid-19 on Refuse Collection Services 2020-2021

Section One

Service

Suspensions

Section Two

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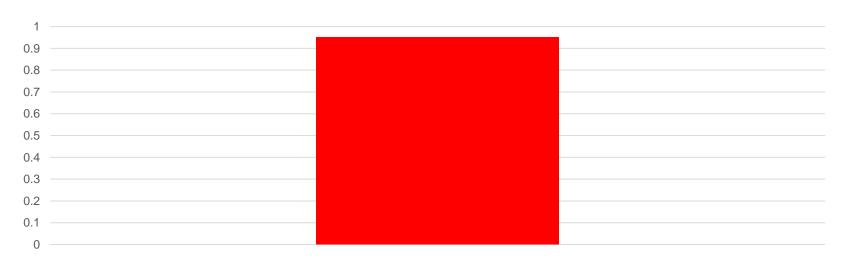
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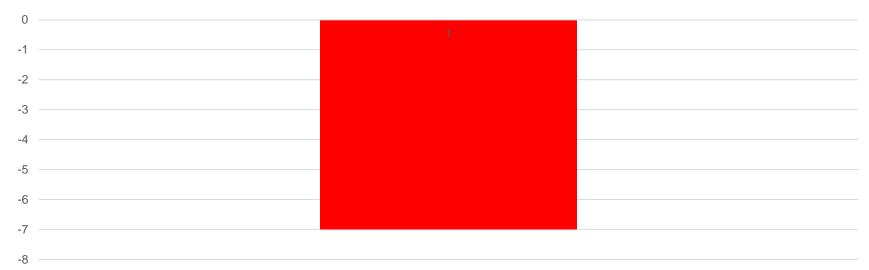
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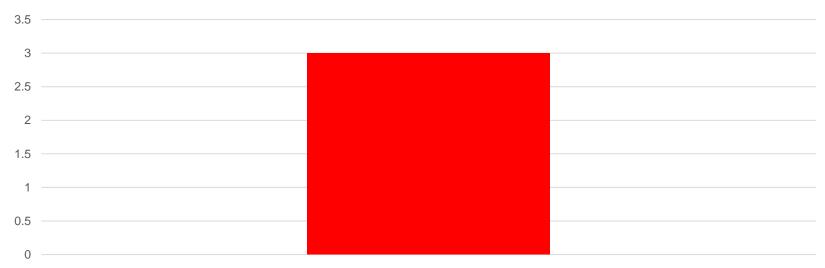
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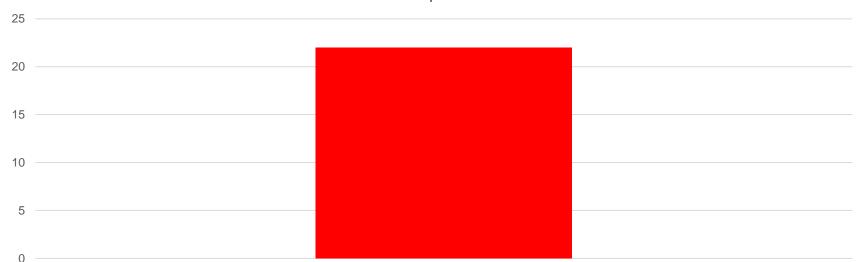












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