

## Staffordshire Sustainability Board

**Monday 25 September 2023**

**14:00 - 16:00**

**Council Chamber, County Buildings, Stafford**

### Agenda

No	Time	Item	Presenter(s)	Page(s)
1.	2:00pm	<b>Welcome and Apologies</b> Apologies received from:  - Amjid Wazir (SoTCC) - Kay Buck (ESBC)	Chair	
2.		<b>District and Borough Review &amp; Update Base Pledges followed by renewed commitment</b>	All	1 - 20
3.		<b>Communications - Carbon Bubble Evaluation</b>	Lily Saeidi	21 - 32
4.		<b>Staffordshire and Stoke-on-Trent Climate Commission</b>	Zoe Robinson	33 - 44
5.		<b>Food Waste Service - the journey so far</b>	Andrew Bird Tim Cooper	45 - 66
6.		<b>Performance Update - Sustainability and Waste</b>	Ilka Hudson	67 - 76

#### Exclusion of the Public

The Chair to move:

"That the public be excluded from the meeting for the following items of business which involve the likely disclosure of exempt information as defined in the paragraphs of Part 1 of Schedule 12A (as amended) of the Local Government Act 1972 as indicated below".

#### Part Two

(All items in this section are exempt)

<b>Membership</b>	
Simon Tagg (Chair)	Staffordshire County Council / Newcastle-under-Lyme Borough Council
Andrea Muckley	Cannock Chase District Council
Dennis Fletcher	East Staffordshire Borough Council
Michael Wilcox	Lichfield District Council
David Hutchison	Newcastle-under-Lyme Borough Council
Kath Perry, MBE	South Staffordshire District Council
Ian Fordham	Stafford Borough Council
Anthony Pearce	Stafford Borough Council
Nigel Yates	Staffordshire Moorlands District Council
Duncan Walker	Stoke-on-Trent City Council
Amjid Wazir	Stoke-on-Trent City Council
Paul Turner	Tamworth Borough Council



**Staffordshire Sustainability Board  
Monday 25 September 2023**

**Briefing Note – Base Pledge Review**

**Introduction**

In March 2022 the Staffordshire Sustainability Board committed to 10 base pledges to ensure collaborative, joint up working on key issues in the fight against Climate Change. It was noted at our recent presentation to the Staffordshire CEO group that great progress has been made with the majority of pledges. One suggestion from the CEO group is that, rather than adding in new pledges in place of those completed, to maintain and increase the focus more on the other remaining pledges. Recommendations were received following the SSB on 31<sup>st</sup> July 2023 to review and refresh the Base Pledges for the 2023/24 cycle. Below is a summary of all pledges reflecting recommendations from the SSB, the Staffordshire CEO group and the relevant officers' groups (SSBOG & SWOG).

**Briefing Note**

**1- Baseline Reporting**

All Councils will prepare and publish an annual baseline analysis of their organisations carbon footprint. All Councils will assess and publish progress in reducing their carbon footprint in October each year.

- Previous financial years carbon emissions published by October each year.
- Council carbon reduction achievements published by October each year.

This annual process is rolling over year on year.

## **2 - Carbon Literacy**

All Councillors and Senior Management Team will undertake carbon literacy training to build corporate awareness of the issue and the Council's role in securing carbon reduction. All Councils will conduct a community impact assessment for key projects and proposals and include an assessment of Climate Change Implications in all key decisions.

- 100% completion of carbon literacy/general awareness training by Councillors and Senior Management by December 23.
- Community Impact Assessment template to include climate change evaluation by June 23.
- Cabinet report templates to include climate change evaluation by June 23

This pledge is still ongoing.

SCC is in the process of refreshing its Climate Change training and will be offering the revised module to districts and boroughs this autumn.

## **3 – Ambassadors**

All Councils will encourage members to act as climate change ambassadors, to encourage reduction in organisational carbon footprints and champion this in their own division/ward areas.

This pledge has been completed for 2022/23 and will be reset for the new financial year.

## **4 - Green Travel Planning**

All Councils will support and facilitate green travel by members, employees, and their communities through promotion of green travel planning. Policy implementation on green transport and ways of working.

- Suitable policies and strategies in place for supporting green transport.



This pledge is still ongoing.

### **5- Communications**

All Councils will contribute to a countywide communications group who will plan to deliver and manage a countywide Communications Plan, working together to drive our collective net zero vision forward, throughout the County.

This pledge will be renewed for 2024. The new Joint Communications Plan will be presented to the board during the November SSB.

### **6- Green Energy**

All Councils will commit to procure 100% green energy supplies for their electricity as soon as existing contract commitments allow.

- Switch to 100% REGO certified green electricity.

This pledge is still ongoing.

### **7 - Energy Reduction**

By 2024, all Councils will start/complete energy audits on operational buildings only. This would exclude ancillary items such as housing or HRA funded assets.

- Energy Audit started/completed by Dec 2024.

### **8 - Low carbon fuelled fleet vehicles**

Moving towards an aspirational zero emissions operational vehicle fleet, the Councils will be 2025, establish a plan to move to low carbon fuels within their internal fleets by 2030.

- Internal fleet low carbon plan completed by December 2025.

This pledge is on target to be completed within the timeline set out above.

## **9 - Waste and Recycling**

All Councils will be actively supporting the development of a new Joint Waste Strategy for Staffordshire and Stoke-on-Trent by 2025.

- Develop district specific Local Plan in conjunction with the new strategy by 2025.

## **10 - Innovation and Technology**

Working collaboratively with research institutions, businesses and partners the Councils will encourage both innovation and technology development, that will assist the delivery of our combined net zero visions.

- Explore new avenues and provide new examples of engagement with businesses and industries – a particular focus point should be the recommendations received following completion of the Energy Audits as stated in pledge 7 – Energy Reduction - .

### **Recommendations:**

- That the Board recommit to the above pledges for 2024.

### **List of Background Documents/Appendices:**

N/A

### **Contact Details**

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**STAFF**  **RD SHIRE**  
**S U S T A I N A B I L I T Y   B O A R D**

25 September 2023

# District & Boroughs Update



- Supported local SMEs to gain government funding to Go Digital and towards Net Zero
- Small Change Big Difference – Following up the schools involved in the Eco Film that premiered in July
- Eco Arts Trail being installed at Cannock Stadium during summer 2023 involving Cannock Chase Cultural Education Partnership (CCCEP)
- Chase Creatures Trail launched at Marquis Drive – link to animation <https://youtu.be/4B1rdxvCnSc>
- Grant application being submitted to CCC's Climate Action Fund for 'Nurturing Nature Networks' which supports the nature recovery declaration.
- Launched 'Food of Life' initiative into 5 local primary schools. From farm to plate, focused on healthy eating.
- Established a district wide Teachers Network as part of the CCCEP legacy linked to Nurturing Nature Networks.



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**Climate Change**  
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 human activities  
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# Climate Change and Nature Recovery: 2022-23 Key Actions

- 40% decrease in our carbon footprint since reporting began in 2009/10.
- Energy Audits and Heat Decarbonisation Plans for the key council buildings.
- Green REGO energy tariff agreed from October 2023.
- Published a new climate change webpage signposting residents to sustainability information/toolkits.
- Climate Awareness/Carbon Literacy Training has been introduced for all staff and elected members.
- 300 native tree species planted, 100 of which were grown by the Council.
- Three public EV charging points installed in Coopers Square Car Park, Burton and continuing to work in partnership with Staffordshire County Council to support Electric Vehicle charging installation for on-street parking using LEVI funding.
- Completed a review of resources in waste management to tackle the pressures caused by housing growth;
- Developing a fleet transition and depot infrastructure plan;
- Continuing to trial electric vehicles

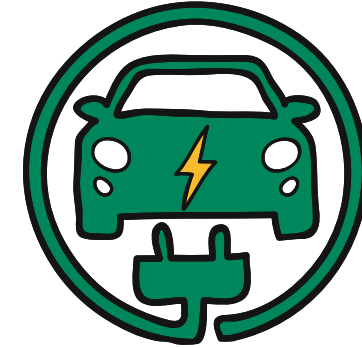
# Sustainability



Heat Networks Delivery Unit  
Round 13 Bid Application

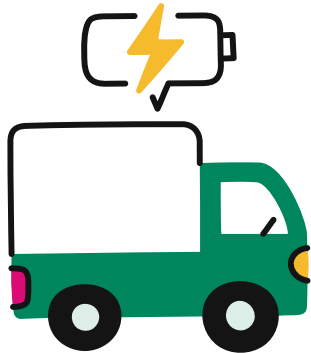


New council-wide Climate and  
Environment group



Additional EV charging points planned  
for installation across the district

# Waste



New EV vehicles being sourced  
for Streetscene operations



'Collection Modelling Scenarios' in  
preparation for food waste collections, waste  
minimisation, and increased recycling rates



New recycling campaign  
agreed with Tamworth



# Newcastle under Lyme Borough Council

- HVO is the default fuel in all collection vehicles, and most of the Streetscene vehicles, representing a saving of 90% in vehicle emissions.
- Our Roadmap to Net Zero is heading for sign-off as our Council project plan, focussed on reducing emissions from our built infrastructure
- Our collection service has been nominated as a finalist in the APSE 2023 service awards in the 'Best Service Team of the Year' category.
- Our food waste collection service is being extended from domestic properties, nurseries, and residential settings into our flats and independent living hubs.
- Hand-held tools such as blowers, strimmer and chainsaws are part of a programme to move to battery-powered alternatives. Many have already been replaced.
- Successful trials are leading to further plans and projects to upgrade the range of land holding the Council is responsible for – closed churchyards, parks, woodlands etc





## Climate Change

- Audit of carbon reporting and further work on plans for net zero
- Delivery of carbon awareness training to members and senior staff
- Improve the energy efficiency of our industrial estates
- Green business support through UK Shared Prosperity Fund

## Waste and recycling

- Garden Waste Collection Service Year 4 – over 30,000 subscribers so far
- Development of new online webforms to improve customer experience
- Continued strong recycling performance (~50% in Q1)

# Stafford Borough Council

## Climate Change

- Annually updated carbon audit is produced, enabling the reduction of internal carbon emissions to be tracked.
- Carbon Literacy training is being rolled out to council officers and members.
- The council has recently adopted its Climate Change Adaptation Strategy.
- Continuous work to develop the Stafford Brooks Project in partnership with Staffordshire Wildlife Trust, the Environment Agency and National Highways.
- Tree planting projects have been delivered across the Borough. This has included on Local Nature Reserves, and on areas of amenity grassland.
- We have continued to work with community groups and Staffordshire Wildlife Trust to enhance areas of green space and deliver biodiversity enhancements.

## Waste

- Zero waste disposed of as landfill
- 99.95% kerbside collection success rate
- 40 fruit trees planted at schools across the Borough as part of the Veolia Orchard project
- Veolia Easter egg donations and food bank donations continued to take place
- Excess bin containers removed from locations across the Borough
- Targeted anti contamination campaigns have taken place

- Adoption of Staffordshire Adaptation strategy (September)
- Launch of round 4 of the Climate change action fund
- EV infrastructure consortium member with 4 other LA's with total LEVI funding allocation of c.£20M
- HVO roll out in heavy fleet in HWRC, Highways and Library service
- Building infrastructure improvements at the Kingston Centre, saves 150 tCo2e



- So far this year we have sent 63,717 tonnes to Energy Recovery Facilities.
- Only approx. 0.02% tonnes are being sent directly to Landfill
- Between January – August we have reused 150.47 tonnes of Waste that would otherwise have been thrown away.
- We have introduced a Van permit system to our HWRCs and limited our sites to Staffordshire business only
- We have successfully completed a Food waste Tender making us ready for future changes to waste collection

# Aiming Low

- Reported carbon emissions – reduced 22% since 2019/20
- Recruiting Biodiversity Officer
- About to launch Plan for Nature
- Collaborate on bid for rewilding, citizen science – news soon
- Launch first round of ECO Youth Leaders – debate in October
- Community Fund has supported 17 projects
- Established ECO 4 Flex referral scheme

- Support Community Energy day
- Public Sector Funding to decarbonise leisure centre
- Developing Green Spaces Strategy for parks etc
- Launch Move More with partner organisations.
- Developing Asset Plan to incorporate decarbonisation of estate
- Reduce recycling contamination
  - Targeting
  - Community Outreach
  - Label
  - Monitor and measure success



# Tamworth Borough Council

## The Borough Council is commissioning :

- ▶ a climate change action plan
- ▶ an adaptation plan
- ▶ an EV Strategy for the Borough
- ▶ 360 fruit trees planted in a local park, creating an orchard funded by the Trees for Climate funding package from DEFRA, through the Forest of Mercia Community Interest Company
- ▶ 50 Tamworth homes decarbonized with £3.2m investment resulting in a reduction of 1.6 tonnes of carbon per property each year, equivalent to the amount absorbed by approximately 70 trees.
- ▶ WASTE – SAME AS LICHFIELD

# Base Pledge Update & Renewed Commitment





# Base Pledge Review

**The following pledges have been updated following recommendation from the board and Staffordshire CEO group.**

- **Communications**

The New Joint Communications Plan will be discussed at the board in November 2023.

- **Energy Reduction**

By 2024, all Councils will start/complete energy audits on operational buildings only. This would exclude ancillary items such as housing or HRA funded assets.

- **Waste & Recycling**

All Councils will be actively supporting the development of a new Joint Waste Strategy for Staffordshire and Stoke-on-Trent by 2025.

- **Innovation & Technology**

Explore new avenues and provide new examples of engagement with businesses and industries – a particular focus point should be the recommendations received following completion of the Energy Audits as stated in pledge 7 – Energy Reduction - .





# STAFFORDSHIRE



## S U S T A I N A B I L I T Y   B O A R D





# Staffordshire's Carbon Bubble Tour

Evaluation

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Image Item 3



[CLICK TO PLAY](#)

# Key Achievements



**1,000+ direct  
conversations with  
Staffordshire residents.**



**350+ residents worked  
out their carbon  
footprint.**



**3,407 Completed the  
Climate Change  
consultation.**

# Press Coverage

- 40 mentions of the Staffordshire #CarbonBubble in the news and media outlets during 2022- 2023
- The releases have reached 2.7m people.
- 37 of the releases had a positive sentiment, with 3 releases had a neutral sentiment.

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- 52% Newspaper / Online 48%





# Press cuttings

**LICHFIELD LIVE**

## Giant 'carbon bubble' to tour Staffordshire in a bid to get people to live more sustainably

By Richard Price, Local Democracy Reporter



The carbon bubble at an event in Staffordshire

A giant 'carbon bubble' will be touring Staffordshire later this year to highlight how residents can live more sustainable lives and reduce their emissions.

Rose Hampton, a senior communications officer at Staffordshire County Council, has been running a series of campaigns to encourage people across the region to change their behaviour and to live greener and more sustainably.

She said:

"As a local authority we're in a really unique position to set an example, to reduce our carbon emissions and to influence others to do the same."

Rose has been working with colleagues at district councils across the county to produce a plan to encourage people to be more sustainable during specific holiday periods throughout the year.


Part of the campaign will see a giant bubble - representing a tonne of carbon - travel to each district and borough in Staffordshire alongside engagement sessions where staff will offer advice to members of the public.

Residents will be educated about climate change, and what they can do to make a difference.

**moorlands radio**

## Giant carbon bubble to visit Leek

Published by Tony Mullins | 16 May 2023 | 343



The giant carbon bubble will visit Leek Market Place on Saturday 24th June

Dates when a giant carbon bubble will be visiting Staffordshire have been released.

The countywide tour, which aims to help raise awareness of climate change is being led by Staffordshire County Council in partnership with Staffordshire's eight district and borough councils. It's all part of plans to help the county reduce its carbon footprint and get to net zero by 2050.

The 10-metre bright orange installation will help people to visualise the impact of their daily activities and carbon emissions. When visiting the bubble, people will also get the chance to meet staff from the climate change team for advice on the changes they can make to help the environment.

The tour will be visiting Leek Market Place on Saturday 24th June.

The tour is being supported by the Staffordshire Sustainability Board. The board is made up of leaders and chief executives from across Staffordshire's nine councils that have all come together to tackle climate change in Staffordshire.

**CHURNET SOUND**

## Dates released for giant carbon bubble tour of Staffordshire



Dates when a giant carbon bubble will be visiting Staffordshire have been released.

The countywide tour, which aims to help raise awareness of climate change is being led by Staffordshire County Council in partnership with Staffordshire's eight district and borough councils. It's all part of plans to help the county reduce its carbon footprint and get to net zero by 2050.

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**Express & Star**

## Public invited to learn about carbon emissions with giant bubble

By James Vulinicis | Staffordshire | Published: Aug 8, 2023



The giant carbon bubble will be on show across the region over the weekend.

The 10-metre bubble installation due to tour in summer 2023 will help people to visualise how their daily activities can impact carbon emissions.

Staff from local council climate change teams will also be on hand to offer advice and tips to help residents understand what they can do to reduce their own carbon footprint.

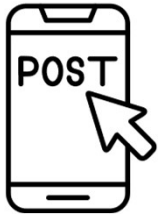
The giant carbon bubble will be in Hednesford Park in Cannock on Saturday, August 12 between 10am and 3pm and in South Staffordshire at Bagderidge Country Park on Monday, August 14.

People will also be asked to pledge to do one small thing to help Make Staffordshire Sustainable.

Simon Tagg, cabinet member for Climate Change and the Environment at Staffordshire County Council said: "Climate change is something that affects us all and every choice we make has a carbon impact.

"Having the giant bubble to help people visualise what a tonne of carbon looks like is a great way of raising awareness and getting people talking about the issue and what we can do to help tackle it."

# Social Media



We shared 21 social media posts about the #Carbonbubble.



Our content reached 11,500 people online.



The content have more than 207 likes.





# Social Media Snips

**Staffordshire County Council** @StaffordshireCC

**Promote**

We are thrilled to announce the successful launch of the #CarbonBubble Tour that started in #NewcastleUnderLyme this week!

Learn more about the tour and find out when the bubble is popping up in a location near you -> [staffordshire.gov.uk/environment/Cl...](http://staffordshire.gov.uk/environment/Cl...)

#Climatechange #Staffordshire



11:04 AM · May 19, 2023 · 1,634 Views

**Staffordshire County Council** 16,810 followers

The Carbon Bubble Comes to Staffordshire: Visualising Climate Change and Taking Action

Read about the Carbon Bubble Tour around Staffordshire in our latest article



**staffordshirecountycouncil**

We are thrilled to announce the successful launch of the Carbon Bubble Tour that started in Newcastle Under Lyme, marking the beginning of an exciting countywide initiative.

The tour, led by the Staffordshire Sustainability Board (made up of local councils) aims to raise awareness of climate change and inspire action to reduce carbon footprints.

The first event in Newcastle Under Lyme drew an impressive crowd, actively engaging in conversations about sustainability and the impact of their daily activities.

View Insights

Boost Post



Liked by **airawestaffs** and 28 others

18 MAY

Add a comment...



We are thrilled to announce the successful launch of the #CarbonBubble Tour that started in Newcastle Under Lyme this week...

Like Comment Share

9 · 2 comments · 948 views

**Staffordshire County Council** Follow

We are thrilled to announce the successful launch of the #CarbonBubble Tour that started in Newcastle...

Most relevant

**Staffordshire County Council**  
Newcastle-under-Lyme Borough Council Stafford Borough Council Lichfield District Council South Staffordshire Council East Staffordshire Borough Council Tamworth Borough Council Staffordshire Moorlands District Council Cannock Chase Life

Joan Bennett  
Marked it on my calendar for August 8th.





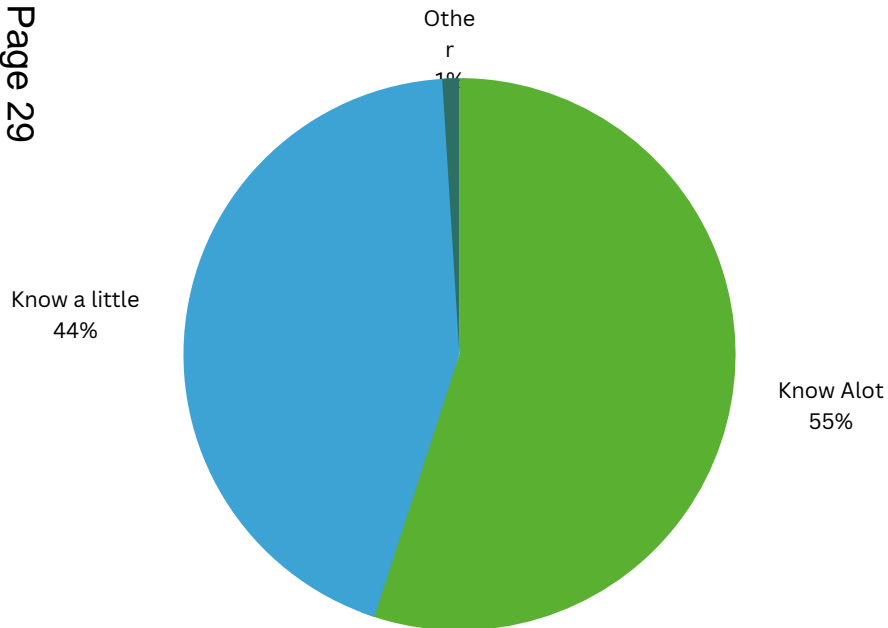
# Consultation Outcomes

May 25th - 1st September 2023

## High levels of awareness

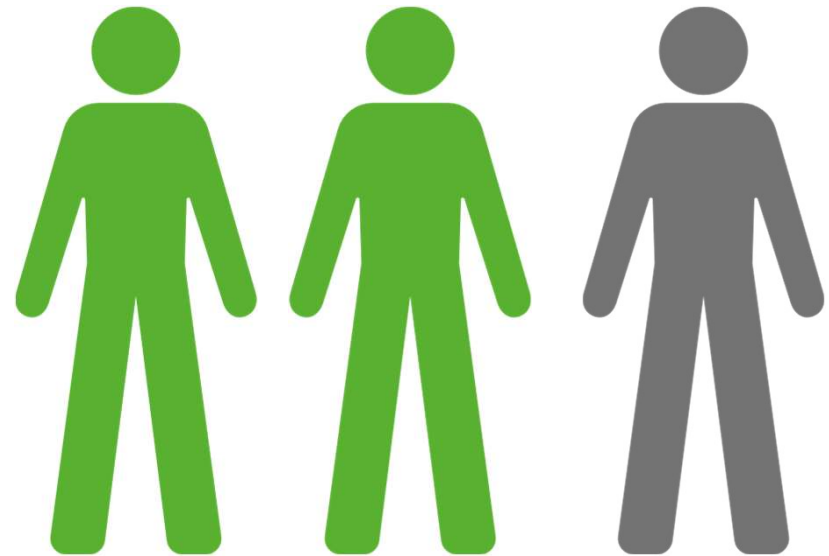
Over half of respondents (55%) said they knew a lot about the subject, with an additional 44% saying that they know a little

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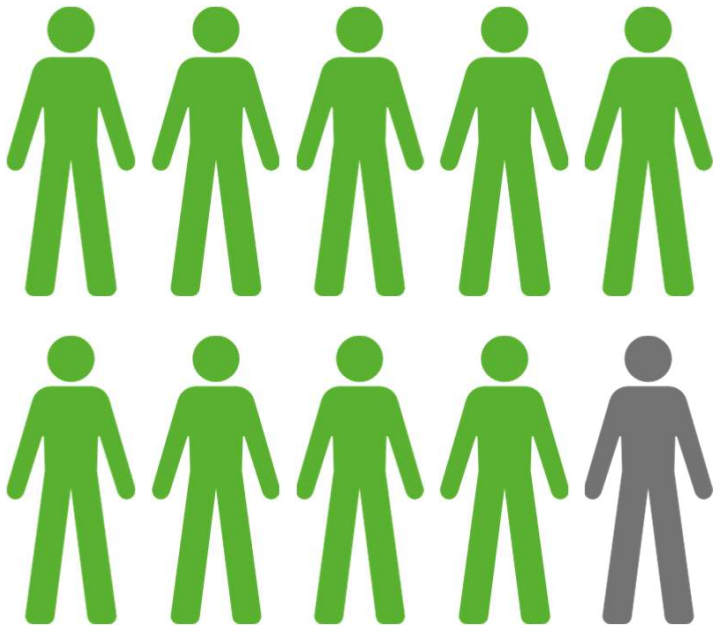
## Worried about Climate Change

Many respondents are concerned about climate change, with two thirds reporting they are worried about it



## Most are already taking action

Nearly all respondents (almost 9 out of 10 respondents) are already taking action to help reduce their impact on the environment



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## Top Actions

- Making homes more energy efficient
- recycling
- buying eco-friendly products

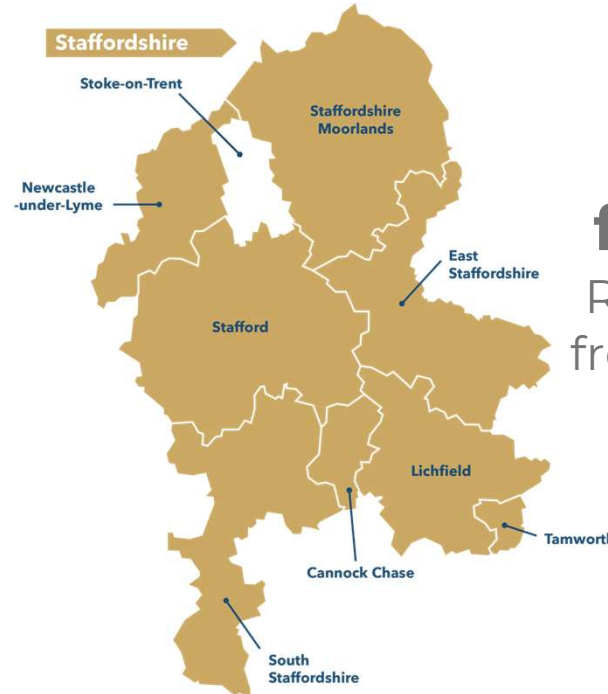
## Biggest Barrier

Cost is the number one barrier to respondents taking action to reduce their impact on the environment – cited by over 6 in 10 participants



## Everyone Plays a Part

Two thirds of respondents believe everyone plays a key responsibility in preventing and adapting to climate change



## Responses from all areas

Responses received from all Staffordshire Districts and Boroughs,

## Council is trusted voice

44% of residents taking the survey said that they would like to receive communication about Climate Change from the council.



# Next Steps

- Undertake analysis of the consultation results, exploring any interesting variation in opinion.
- Produce a summary analysis and written report of the findings
- Discuss findings with the Staffordshire Sustainability Board (SSB) and agree actions in response to the feedback
- Communicate the findings and follow up actions on our website
- Bring communications proposals to next SSB in November 2023.



**Staffordshire Sustainability Board  
Monday 25 September 2023**

**Briefing Note – Staffordshire & Stoke – on – Trent  
Climate Commission**

**Introduction**

Launched in September 2022 the commission aims to promote county wide actions towards net zero carbon emissions and nature recovery. It focuses on high level, multi sector collaboration and supports climate & ecological actions.

**Briefing Note**

Following the information item at the July SSB we've invited the chairs of the Staffordshire & Stoke – on – Trent Climate Commission to join the debate at the next public meeting on 25<sup>th</sup> September 2023.

**Next Steps:**

- Discuss collaboration processes between the Sustainability Board and Commission
- Discuss areas on which the SSB would like to engage with the Commission.

**Recommendations:**

That the board agrees to join the Commission as a collective. With the SSB Chair and Vice-Chair as representatives.

**List of Background Documents/Appendices:**

Appendix 1 – Climate Commission Info paper from July SSB

**Contact Details**

<b>Report Author:</b>	<b>Ilka Hudson</b>
<b>Job Title:</b>	SSB Climate Officer
<b>E-Mail Address:</b>	ilka.hudson@staffordshire.gov.uk







STAFFORDSHIRE  
& STOKE-ON-TRENT  
CLIMATE COMMISSION

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Update on the

**Staffordshire & Stoke-On-Trent**

# Climate Commission

## **Leadership group**

Co-Chairs

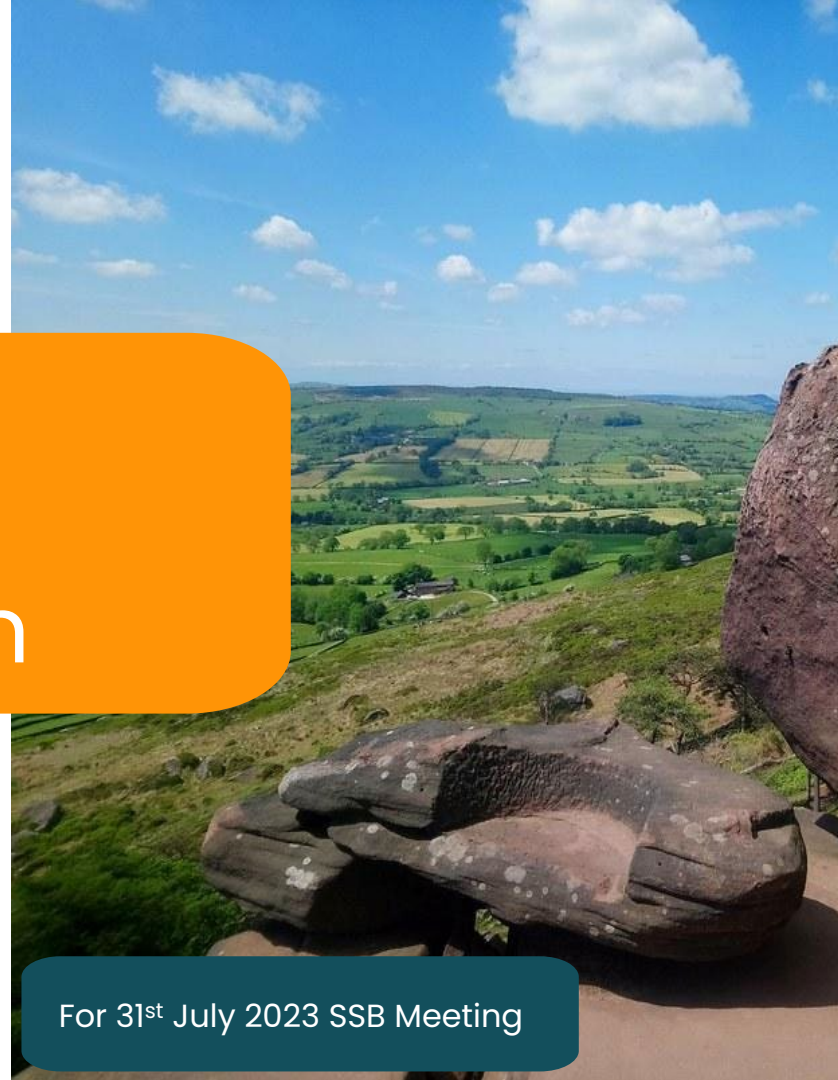
**Julian Woolford**, Staffordshire Wildlife Trust, CEO

**Zoe Robinson**, Keele University, Professor

Vice-Chairs

**Kate Copeland**, The Globe Group, Director

**Judith Smith**, Southern Staffordshire Community Energy, Board member



For 31<sup>st</sup> July 2023 SSB Meeting

# Timelines & Milestones

Planning,  
Financing, Scoping

Consultation  
launch

Terms of  
Reference sign-  
off – legal entity

Formalised  
governance

Develop &  
Grow

**Jan - Aug 2022**

Discussions with key stakeholders

Growing interest

Monthly progress meetings

Exploration of funding

**30 September 2022**

Launch Staffordshire and Stoke-on-Trent Climate Commission consultation.

Host Q&A Panel to open Climate Expo

**December 2022**

Terms of Reference finalized and signatories invited - becoming a legal entity

**April 2023**

Election of Leadership Group

Quarterly full Commission meetings

Knowledge exchange sessions in between

**Ongoing**

Keele University funding to support Commission for 10 months

Broaden engagement

Activity plan development: include themed working groups

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# Current Climate Commission Members & supporters



**BBC** RADIO  
**STOKE**



Stoke-on-Trent  
& Staffordshire  
Enterprise Partnership



# Vision



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To accelerate action and alignment through collaborative cross-sector working to deliver an inclusive and just transition to net zero and a nature-rich Staffordshire and Stoke-on-Trent.

The Commission plays a convening role across Staffordshire and Stoke-on-Trent, creating a supportive cross-sector space to support organisations' action on net zero and nature recovery through collaboration and sharing resources and expertise



# Climate Commission's Background & Aims



## The Commission's aims are to promote:

- Urgent county-wide action & alignment towards net zero carbon emissions & nature's recovery;
- The systemic change required for holistic & integrated climate action;
- High-level, multi-sector collaboration & support for climate & ecological action;
- Resilience & adaptation to climate risks & impacts;
- Capacity-building to address skills shortages in addressing the climate action & nature recovery challenge;
- A safe & just transition for people & place;
- Sustainable development & **maximised co-benefits** of climate and nature-recovery action.

# Activity and actions

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The activity of the Commission is informed by its members and supporters.

Knowledge exchange sessions – sharing the expertise from members and beyond

A space for sharing cross-sector activity, perspectives and progress

Development of working groups based on member needs



## Catalysed change

Page 41

Creating a space for multi-sector collaboration has started to create change...

Exploring data sharing on climate and nature recovery perceptions from community groups

Stakeholder analysis of sustainability-related community groups and businesses across Staffordshire & Stoke-on-Trent

New collaborations between Social Housing providers

New funding for the region to drive Net Zero analysis

New discussions between the NFU and Staffordshire Wildlife Trust

The background of the slide is a close-up photograph of dandelion seeds. Each seed head is replaced by a small, realistic globe of the Earth, showing continents and oceans. The seeds are suspended in the air, creating a sense of movement and dispersal. The lighting is bright, highlighting the delicate structure of the seed heads.

# Working with the Staffordshire Sustainability Board and individual Local Authorities

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Keen to support greater  
collaboration with the SSB  
and individual Local  
Authorities

## Synergies & Working Together

01

### CONTRIBUTE

Contribute to the Commission - bringing LA perspectives, informing activities, developing synergies, identifying areas of support.

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02

### UTILISE

Use the resources and data within the Commission to support decarbonisation and nature recovery action

03

### ACCESS

Access new networks and expertise to develop cross-sector working and activity

## Discussions & Next Steps

### Next Steps

- Discuss collaboration processes between the Sustainability Board and Commission
- Discuss areas on which the SSB would like to engage with the Commission
- Invite individual District and Borough representatives to the Commission
- Become a formal signatory to the Commission

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Further information contact: [chair@staffordshireclimate.com](mailto:chair@staffordshireclimate.com)



**Staffordshire Sustainability Board  
Monday 25 September 2023**

**Briefing Note – Food Waste the Journey So Far**

**Introduction**

To provide members of the SSB with the journey Newcastle under Lyme borough council have undertaken in separately collecting food waste since 2010, and what the challenges will be for all members of the SSB moving forward, as separate collections of food waste become mandatory for all Waste Collection authorities (WCA's) in England.

Detail what treatment solutions Staffordshire County Council, acting as Waste Disposal Authority (WDA) has put in place for the WCAs to use.

**Briefing Note**

Food waste is a national issue, with over 30% being wasted (WRAP estimates) through the supply chain. In 2019 the SWP undertook analysis of residual waste across all of the WCA's in Staffordshire and found on average 30% of the material in residual waste was food.

Newcastle under Lyme Borough Council has separately collected food waste since 2010, as part of the move from weekly to fortnightly residual waste collections and was one of the first authorities in the Country to do so. Separate collections of food waste are mandated in Wales and Scotland and have been mandated in England as part of the Environment Act 2021, although the date is yet to be confirmed, 2025 being originally suggested, as part of the Consistency in Collections part of the national Resource and Waste Strategy (RAWS).

Newcastle took a brave step at the time, with the Anaerobic Digestion industry gaining momentum as a provider for renewable energy. Our first contract was with Lower Reule Bio-energy, owned by a farming family who were wishing to diversify. The Council took a bit of a risk at the time as the site wasn't built, and Lower Reule needed a contract for supply of material to release funding to build the facility. Thankfully it all came together, and the contract worked really well for its duration, including extensions which were built into the original contract.



In 2016 we commenced work with our second contractor, Biffa, following procurement of a new contract. It was interesting to see how the AD industry had moved on, and the gate fee for processing effectively disappeared, as the business models for these facilities was based more on selling energy, whether electricity or gas to grid.

Moving to our third procurement, we took the decision to undertake this jointly with the County Council as WDA. A joint procurement would allow for a County wide framework of providers in readiness for when it becomes mandatory for all English WCA's to have separately collect food waste as mentioned earlier in the briefing.

The results from this procurement show how the AD industry has moved on again, with income now being paid for food waste sent to AD facilities. This again is linked to changes in the energy market, and the fact that there is currently capacity within the AD infrastructure, creating competition. When mandatory collections commence, that could well change, and there will be a need for additional AD facilities potentially. This third contract, awarded to BioTech4 commenced in August 2023, and will have a positive impact on the Council budget of around £70,000 per annum over the previous arrangements.

So, thirteen years from rolling out our first separate collections, food waste is now seen as a valuable resource, not a waste, and therefore we need to do all we can to maximise participation and get food waste out of resident's residual waste bins.

In treating food as a valuable resource however, we do not want to encourage residents to waste more food, just the opposite we need everyone to reduce their food waste. The advantage of separating food for separate collection means people can see just how much food they are wasting and will amend their habits accordingly. That said you will never eliminate food waste, it's not about food left on a plate following a meal, food waste will still be created in the preparation of meals.

In the thirteen years Newcastle has been separately collecting food waste we have collected 36,122 tons of food, diverting it away from our normal disposal routes and doing so with a positive carbon benefit.

The service does cost in terms of collection. Additional income will offset this cost, and we are hoping moving forward government will fund our



operations therefore allowing us to expand further collection operations to flats and commercial premises.

#### WDA Procurement Exercise

It is still unclear when the Resources and Waste Strategy will be made public, but there is good indication that separate food waste will be made mandatory. The County acting as Waste Disposal Authority, wanted to ensure that there was a treatment route available for when it was needed.

The tender was made up of two lots, lot 1 was for NULBC, Lot 2 provided a framework of off takers that all other WCAs can use.

Currently food waste from 6 WCAs is being processed through the County established disposal routes. If this is collected separately, it is the County Council's expectation that food waste will still be directed for treatment through the County's procured framework.

There are four off takers on the framework and the disposal locations are:

1. Biogen – Atherstone
2. Biffa Poplars – Cannock
3. BioteCH4 – Shropshire
4. Olleco Northamptonshire

Alongside these disposal locations there is also Leek Waste Transfer Station, and the existing 14 House Waste Recycling Centres (HWRCs), that SCC looking at the possibility of using to Transfer food if needed. However, the potential disposal routes for the individual WCAs are:

WCA	Delivery method	Disposal point	Directed
NULBC	Transfer Station (Knutton)	BioteCh4	Confirmed
SMDC	Transfer Station (Leek)	BioteCh4	TBC
ESBC	Transfer Station or HWRC	TBC	TBC
SBC	Direct	Biffa Poplars	TBC
SSC	Direct	Biffa Poplars	TBC

LDC	Direct or Transfer Station (LHF)	Biffa Poplars or Biogen	TBC
TBC	Direct or Transfer Station (LHF)	Biffa Poplars or Biogen	TBC
CCDC	Direct	Biffa Poplars	TBC

As WCAs begin to collect food waste, these routes will be reviewed to ensure they deliver the best option available for each collection authority.

### Conclusion

There is an estimated average 30% of food waste within in residual waste collected in Staffordshire. Separate collections of food waste are mandated in Wales and Scotland and have been mandated in England as part of the Environment Act 2021, although the date is yet to be confirmed, 2025 being originally suggested, as part of the Consistency in Collections part of the national Resource and Waste Strategy (RAWS).

In the thirteen years Newcastle has been separately collecting food waste we have collected 36,122 tons of food, diverting it away from our normal disposal routes and doing so with a positive carbon benefit.

NULBC completed a joint procurement with SCC and the subsequent contract was awarded to BioTech4 and commenced in August 2023. It also produced a County wide framework of providers in readiness for when it becomes mandatory for all English WCA's to have separately collect food waste as mentioned earlier in the briefing.

Currently food waste from 6 WCAs is being processed through the County established disposal routes. If this is collected separately, it is the County Council's expectation that food waste will still be directed for treatment through the County's procured framework.

### List of Background Documents/Appendices:

None.

## Contact Details

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Presented by: Andrew Bird – Service Director Sustainable Environment

Date: 25<sup>th</sup> September 2023.

# Food Waste Service

## The Journey So Far





# Staffordshire JMWS Zero Waste to Landfill

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## We need to move away from Waste

- **Waste needs to be treated as a valuable resource, not a problem.**
- **It needs to be dealt with in a sustainable and economic way, which maximises its value.**



# The Journey Starts - Why Separate Food Waste for Newcastle BC?

- At the time NBC had poor performance for recycling & composting – 26% in 2008
- Politically not acceptable to operate alternate weekly collections for recycling and residual waste. Remember most of us were undertaking weekly collections of residual waste.
- A separate food waste collection service was proposed as part of the changes
- Requirement to maximise value by collecting quality materials
- The wish to be innovative
- The service currently operates 6 collection vehicles with driver plus one, collecting food waste separately to householders on a weekly basis.
- We collect around 3,000 tonnes of food waste per year representing around 6% of our recycling and composting performance.
- The service currently costs the Council £?? T gross to operate.



# Contract for AD Treatment 2010

- No local operators at the time, although some in the pipeline.
- We went out to tender, & got a good response.
- Lower Reule Bio-Energy were the preferred bidder, - however –
- There was no facility, they were a new company in this industry – but
  - They were a farming family looking to diversify
  - They had the technical ability.
  - They had a sustainable business plan.
  - They just needed a contract to get things moving.



## Second Contract for AD - 2016

- Extended as far as we could with original supplier
- Very good response from industry to the procurement process
- Even better result on gate fees, £0 just had to pay haulage.
- Contract awarded to Biffa at their Poplars facility in Cannock. Contract to 2020 but potential to extend, which was taken up to August 2023.
- Around 21,000tonnes of food waste has been processed under this contract.
- Decided to undertake joint procurement with county council for a Staffordshire wide solution, using Newcastle tonnage as a base.



# Contract for AD 2023

- Joint Procurement led by County Council as WDA.
- Very good response from industry to the procurement process
- Even better result on gate fees, now provides an income. – will be £80k per year better off than the previous contract.
- Contract awarded to BioTech4 at their Telford facility. Contract to 2020 but potential to extend.
- New contract is a ‘game changer’ for Newcastle, where the focus is to increase and maximise food waste collections, initially looking at commercial collections to operate alongside existing household and schools collections. Collections will be rolled out to flats once we have confirmation of Consistency in collections as part of Governments Resource and Waste Strategy.





# The AD Process - Biotech4

<https://youtu.be/9rLzw9ZTIdM?si=1toCbG62hCyGe3pd>



# Current Performance & Key to Success

- 2022/23 - 47% Recycling & Composting Rate (charge for Garden Waste collections)
- 5% - relates to separate food waste = 3,000 tonnes per year,
- Participation 35% needs to increase
- Key to Success
- Good targeted communication
- Provision of free liners to line food caddies.



# Challenges for the future

- **Resource and Waste Strategy – will change what we do and collect.**
- **2019 residual waste analysis for WCA's across Staffordshire showed an average of 30% food waste within residual waste stream!**
- **Need to increase participation**
- **Will sustainable new burdens funding be provided for separate food waste collections in England?**
- **Procurement for vehicles and food caddies**
- **What will future trends be in gate fees for AD, supply & demand**
- **Supply of infrastructure in the right locations, - transfer stations.**

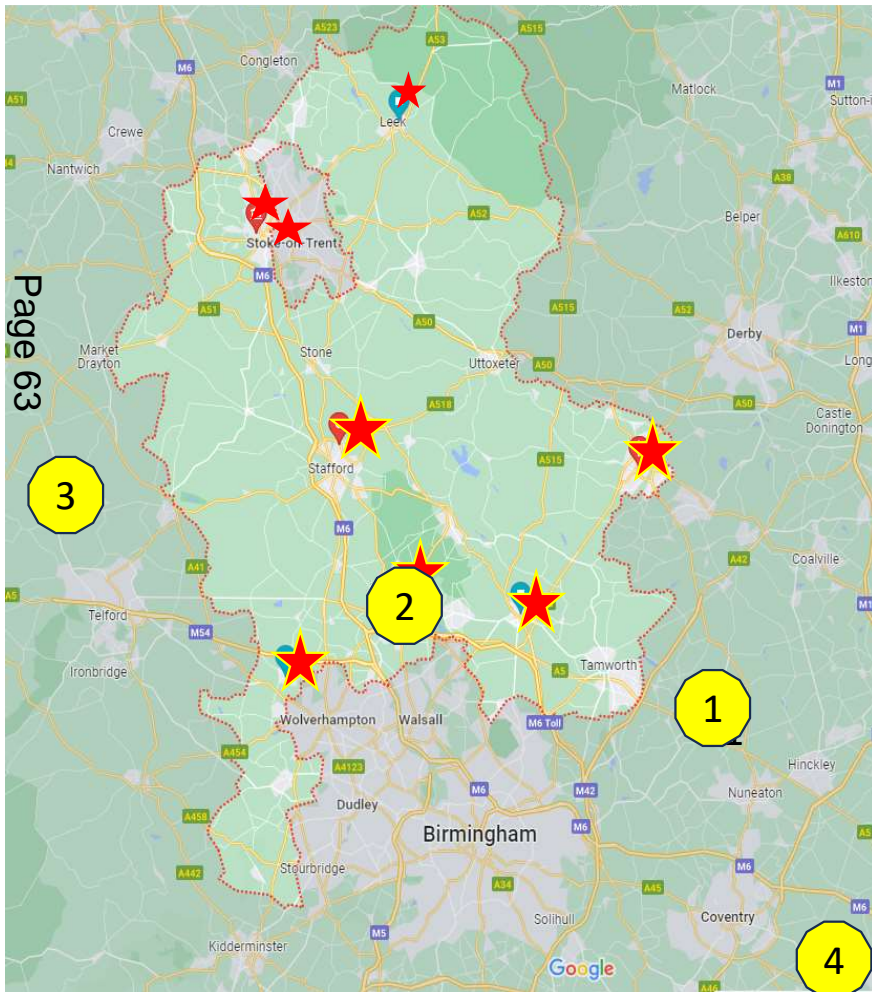


# SCC Preparations for the future

- **It is still unclear when the Resources and Waste Strategy will be made public.**
- **Good indication that separate food waste will be made mandatory.**
- **The County acting as Waste Disposal Authority, wanted to ensure that there was a treatment route available for when it was needed.**
- **Currently food waste from 6 WCAs is being processed through the County established disposal routes.**
- **If food waste is collected separately, waste will continue to be directed for treatment through the County's established route.**



# SCC Treatment Location



- 1. Biogen Atherstone-**
  1. 42,500 tonnes capacity per annum
  2. Monday-Friday, 7am-6pm
  3. Saturday, 7am-1pm
- 2. Biffa Poplars-**
  1. 120,000 tonnes capacity per annum
  2. 7am-9pm, Mon-Sun
- 3. BioteCh4 Thornfield-**
  1. 90,000 tonnes capacity per annum
- 4. Olleco Aston Clinton-**
  1. 100,000 tonnes capacity per annum
  2. Monday-Friday, 7:30am-6pm
  3. Saturday, 8am-1pm



# Suggested WCA's Disposal Points

WCA	Delivery method	Disposal point	Directed
NULBC	Transfer Station (Knutton)	BioteCh4	Confirmed
SMDC	Transfer Station (Leek)	BioteCh4	TBC
ESBC	Transfer Station or HWRC	TBC	TBC
SBC	Direct	Biffa Poplars	TBC
SSC	Direct	Biffa Poplars	TBC
LDC	Direct or Transfer Station (LHF)	Biffa Poplars or Biogen	TBC
TBC	Direct or Transfer Station (LHF)	Biffa Poplars or Biogen	TBC
CCDC	Direct	Biffa Poplars	TBC





# Next steps

- **Waiting for clarity from Resources and Waste Strategy.**
- **Food waste treatment is discussed at the Waste Officers Group 19<sup>th</sup> September.**
- **SCC is happy to review this arrangement to determine if there is a better option available for each collection authority.**
- **However, until an alternative disposal option is agreed with the WDA food waste should continue to be processed through its treatment contracts.**



# Thank You

# Questions





**Staffordshire Sustainability Board  
Monday 25 September 2023**

**Performance Update**

**Recommendation**

- a. For Staffordshire Sustainability Board Members to note and consider the relevant performance data relating to the agreed sustainability pledges and the household waste recycling rates being achieved in Staffordshire.

**Summary**

- 1. The aims and objectives of the Staffordshire Sustainability Board are monitored on a regular basis and this briefing note aims to provide background information to the accompanying data.

**Briefing Note**

- 2. **Sustainability** – the table shown in Appendix 1 shows progress against the 10 pledges (for each member council) that were collectively agreed in summer 2022. It is pleasing to note that good progress is being made on most of the pledges with each activity being RAG rated. Following the renewed commitment to updated pledges the table will be updated for review in the next quarter.
- 3. **Waste** - Appendix 2 gives a detailed overview of current recycling rates and residual tonnage both by individual LA's and the SWP as a whole. It is important to note that variances will occur from year to year due to several factors including climatic conditions and economic activity.

**List of Background Documents/Appendices:**

- Appendix 1 – Monitoring of SSB Pledges
- Appendix 2 – Waste Performance Overview

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	Cannock	ESBC	LDC	NulBC	SBC	SCC	SMDC	SSDC	Tamworth	
<b>Pledge 1 Baseline Reporting</b> All Councils will prepare and publish an annual baseline analysis of their organisation's carbon footprint. All Councils will assess and publish progress in reducing their carbon footprint in October each year										
• Previous financial years carbon emissions published by October each year.	22/23 data in process	A review of the Climate Change Action Plan is in draft and will be presented for approval by Cabinet in Aug 2023 which will include details of the carbon	Data collected for 21/22 and 22/23, new baselines expected early Aug 2023	22/23 data in the process of being collated.	Audit in progress - awaiting cabinet scheduling	Data collation in progress and on target for publish date	21/22 data to be included in annual report in July - going to scrutiny and then cabinet	22/23 data in the process of being collated.	Not available - carbon baseline just established but pre-pandemic (2019/20). This work was approved through Cabinet in October 2022 but due to lack	
• Council carbon reduction achievements published by October each year	22/23 data in process	A review of the Climate Change Action Plan is in draft and will be presented for approval by Cabinet in Aug 2023 which will include details of the carbon	Data collected for 21/22 and 22/23, new baselines expected early Aug 2023	22/23 data in the process of being collated.	22/23 data in process	Data collation in progress and on target for publish date	See above. This report will cover all years from 2019 and in future will align to October dates.	22/23 data in the process of being collated.	An Action Plan is currently prepared to start the authorities journey towards net zero.	
<b>Pledge 2 Carbon Literacy Training and Awareness</b> All Councillors and Senior Management Teams will undertake carbon literacy training to build corporate awareness of the issue and the Council's role in securing carbon reduction. All Councils will conduct a community impact assessment for key projects and proposals and include an assessment of Climate Change Implications in all key decision reports										
• 100% completion of carbon literacy/general awareness training by Councillors and Senior Management by December 23	Councils and Senior Officers have completed Carbon Literacy Training over last two municipal years. Working with Keele University to undertake 3rd round of training during Sept 23 for newly elected members.	Head of Service completed Carbon Literacy Training. Training plan completed and training providers being sought for Councillors and Senior Management. All other staff member will receive general awareness training.	Environmental Managers trained. Planning Committee members trained. Climate Change workshop delivered to 60+ officers and managers.	On target over two thirds complete. Councillors trained by end of Feb 2023. Senior managers trained by March 2023. Staff uptake excellent with face-to-face training for ops staff completed by Dec 2022. Consideration now being given to ongoing training for members and staff.	In progress - working with Keele University to undertake member training during Sept 23.	Encouraging all to complete online climate change module. Approx 50% of Senior management, 15% of Councillors have completed course	Heads of Service Complete - Bronze award achieved. More training being arranged to meet Silver.	Carbon awareness training has been delivered to cabinet, members and our corporate leadership team. We intend to roll this out to all staff and offer to parish councils during 2023/24	Investigating SCC training package to roll out to Cllrs nad senior staff.	
• Community Impact Assessment template to include climate change evaluation by June 23	in place	Climate change question included in template	Environment (Climate Change and Biodiversity)	Complete	In place	Climate change question included in template	in place	To be discussed with council equalities group, and decide how best to incorporate; currently using EQIA report to identify any specific issues with a potential decision	On target	
• Cabinet report templates to include climate change evaluation by June 23	in place	Climate change question included in template	Environment (Climate Change and Biodiversity)	Complete	In place	As above	On templates. Consultation with officer as part of report process (not fully quantified evaluation at project scoping)	Specific reference to potential impact of report proposals on climate change now included within report template	All committee reports refer to sustainability and climate change	
<b>Pledge 3 Ambassadors</b> All Councils will encourage members to act as climate change ambassadors, to encourage reduction in organisational carbon footprints and champion this in their own division/ward areas										
• Provide a two references each financial year where members have actively supported staff and communities for the reduction of carbon emission - RESET FOR NEW FINANCIAL YEAR 23/24		Council Community Funding is being used to assist with the purchase of Solar PV to be installed on a Community Centre Bldg.				Climate change fund round four in preparation for launch in July-August				
<b>Pledge 4 Green Travel Planning</b> All Councils will support and facilitate green travel by members, employees, and their communities through promotion of green travel planning. Policy implementation on green transport and ways of working										
• Suitable policies and strategies in place for supporting green transport by 2023	1. Working on a Green Travel strategy for the district for publication during 2023, to sit alongside the County Council's. 2. Organisational agile working trial underway across the Council allowing employees to work from home.	Staff travel plan includes incentives for green travel	Green travel incentive schemes for staff (including cycle to work scheme, bicycle storage at council car park, EV salary sacrifice).  Remote/flexi working for all office staff.	Green travel incentive scheme in place for all staff, including cycle to work scheme, bicycle storage, EV salary sacrifice scheme.	Working on a green travel strategy that will include EV charging. Organisational agile working trial underway across the Council allowing employees to work from home.	Delivering against the LCWIP, BSIP, Staff finance scheme, equipment provided to allow staff to work from home	Internal travel policy, include in contract awards to JV and ALMO and procurement contracts, Communities travel through Air Aware. Electrical Vehicle Charging: The council has installed a further 12 electrical vehicle charging points this year and	EV points installed at community hub  Green travel incentives (including EV salary sacrifice) to be brought forward as part of staff incentive schemes.	Green travel incentives for staff. Smart working implemented with staff permanently working from home thus reducing staff travelling.	
<b>Pledge 5 Communications</b> All Councils will contribute to a countywide communications group who will plan to deliver and manage a countywide Communications Plan, working together to drive our collective net zero visions forward, throughout the County										
• Annual communications strategy and plan to be agreed by March 23 - RENEWAL FOR 2024 IN PROGRESS	Communications Plan approved by Cabinet Mar23	Communications Plan approved by Cabinet Mar23	Communications Plan approved by Cabinet Feb23	Communications Plan approved by Cabinet Jan23	Communications Plan approved by Cabinet Feb23	Communications Plan approved by Cabinet Jan23	Communications Plan approved by Cabinet Mar23	Communications Plan approved by Cabinet Mar23	Communications Plan approved by Cabinet Feb23	
<b>Pledge 6 Green Energy</b> All the Councils will commit to procure 100% green energy supplies for their electricity as soon as existing contract commitments allow										
• Switch to 100% REGO certified green energy achieved.	Looking to switch to REGO certified supplier/s at contract renewal date	Electricity contract being transferred to REGO from Oct 23	Current contract procured via SCC. Informed May2023 no availability for LDC on REGO tariff.	Complete - REGO tariff in place	REGO tariff in place	REGO tariff in place	New Electricity contract planned to choose green REGO option	Green energy tariff in place at the community hub and plans to review contracts for other council owned sites,	The existing contract expires in 2023, further consideration will be given at the point of renewal.	
<b>Pledge 7 Energy Reduction</b> By January 2023, all Councils will have established plans to reduce energy consumption across their estates.										
• Plan in place for reducing energy use within estate by January 2023 - COMPLETED FOR 22/23 - REVISED PLEDGE IN PROGRESS										
<b>Pledge 8 Low carbon fuelled fleet vehicles</b> Moving towards an aspirational zero emission operational vehicle fleet, the Councils will by 2025, establish a plan to move to low carbon fuels within their internal fleets by 2030										
• Internal fleet low carbon plan completed by December 2025.	3no EV Charging points installed at Council's Hawks Green Depot. Reviewing the potential for the switch to HVO fuel for Council fleet.	Five vehicles are currently electric and all others meet the euro 6 standards.	Review of what the future fleet will look like is being undertaken. The use of HVO for the current is being investigated	Vehicle replacement programme reviewed and costed in capital programme to account for low / zero carbon vehicles. Move to HVO fuel currently taking place. Existing EV in procurement proposals.	Reviewing the potential for the switch to HVO fuel for Council RCV's and fleet.	Aiming for a transition plan by March 23	Fleet assessed by Energy Saving Trust. Fleet is operated by external company. Plan in place to phase out fossil fuels.	Aim to draft when the council's current fleet replacement plan comes to an end in five years time	Ongoing. Vehicles recently purchased, awaiting delivery. Rolling programme of renewal.	
<b>Pledge 9 Waste and Recycling</b> By 2025 there will be a countywide waste strategy that all authorities will adhere to. This strategy will cover all aspects of the countywide waste operation, to reduce residual waste creation, increase recycling rates, promote composting of food waste at home and establish food waste collections throughout the County										
Waste Strategy completed by 2025. - REVISED PLEDGE IN PROGRESS	ongoing	ongoing	ongoing	On target. Food waste already collected separately - now pushing further initiatives and working in partnership with Aspire (main social housing provider within the Borough) to support flats / apartment properties to recycle and collect	ongoing	currently working with NULBC to procure food waste treatment contract, also procuring a countywide framework to facilitate Food waste treatment capacity for all other WCAs.	ongoing	ongoing	ongoing.	
<b>Pledge 10 Innovation and Technology</b> Working collaboratively with research institutions, businesses and partners the Councils will encourage both innovation and technology development, that will assist the delivery of our combined net zero visions.										
Collaborate with 3 organisations each financial year to encourage or progress green innovation/technology - REVISED PLEDGE IN PROGRESS	1. Working with Zero Carbon Rugeley as part of the redevelopment of the Rugeley Power Station Site. 2. Working with DLHC and TretraTec on the development of Cannock Town Centre.	Joint working with the Globe Foundation and Keele University. Additional collaborative work involving the economic regeneration of the Town Centres to assist our plans for net zero.	Partnership work with Midlands Net Zero Hub, and Lichfield Cathedral on net zero targets.  Working with local landowners for habitat restoration and management works.  Working with Social Progress Imperative on Environmental Dashboard.	HVO fuel for waste collection vehicles and street scene vehicles with Euro 6 engines rolled out in January 2023. CO2 reduction of 90% compared to diesel. Solar Farm Feasibility Study progressed and supported by Cabinet, developing partnership with major manufacturer. Continuing to work with Keele University on a number of initiatives including offering student placements around 'green' skills agenda.	Working with Midlands Zero Carbon HUB on decarbonisation plans. In addition to this, working across the voluntary sector on Plastic and Waste Reduction, Food and Farming, Biodiversity and Wellbeing. Working with Staffordshire Wildlife Trust and community groups to deliver green space enhancements, and working with multiple sectors and organisations on the West Midlands Climate Adaptation Working Group	Working on a CHP project at Four Ashes Energy Recovery Facility with Veolia and MoJ	HVO in fleet Procurement strategy.	Working with external consultancy support to detail SSC's path to net zero.  Work with local landowners to promote awareness of renewable agriculture models and sustainable house building techniques.  Work with external partners (voluntary groups, parish councils etc) on the climate prize fund to deliver local carbon related projects	1) working with an organisation that is exploring saving energy in multi tenanted buildings. 2) working with an organisation that has developed an APP that is to do with Emergency Lighting savings 3) working with a town centre business that want to install a piece of energy saving / generating equipment that will make them more sustainable and reduce their running costs.	



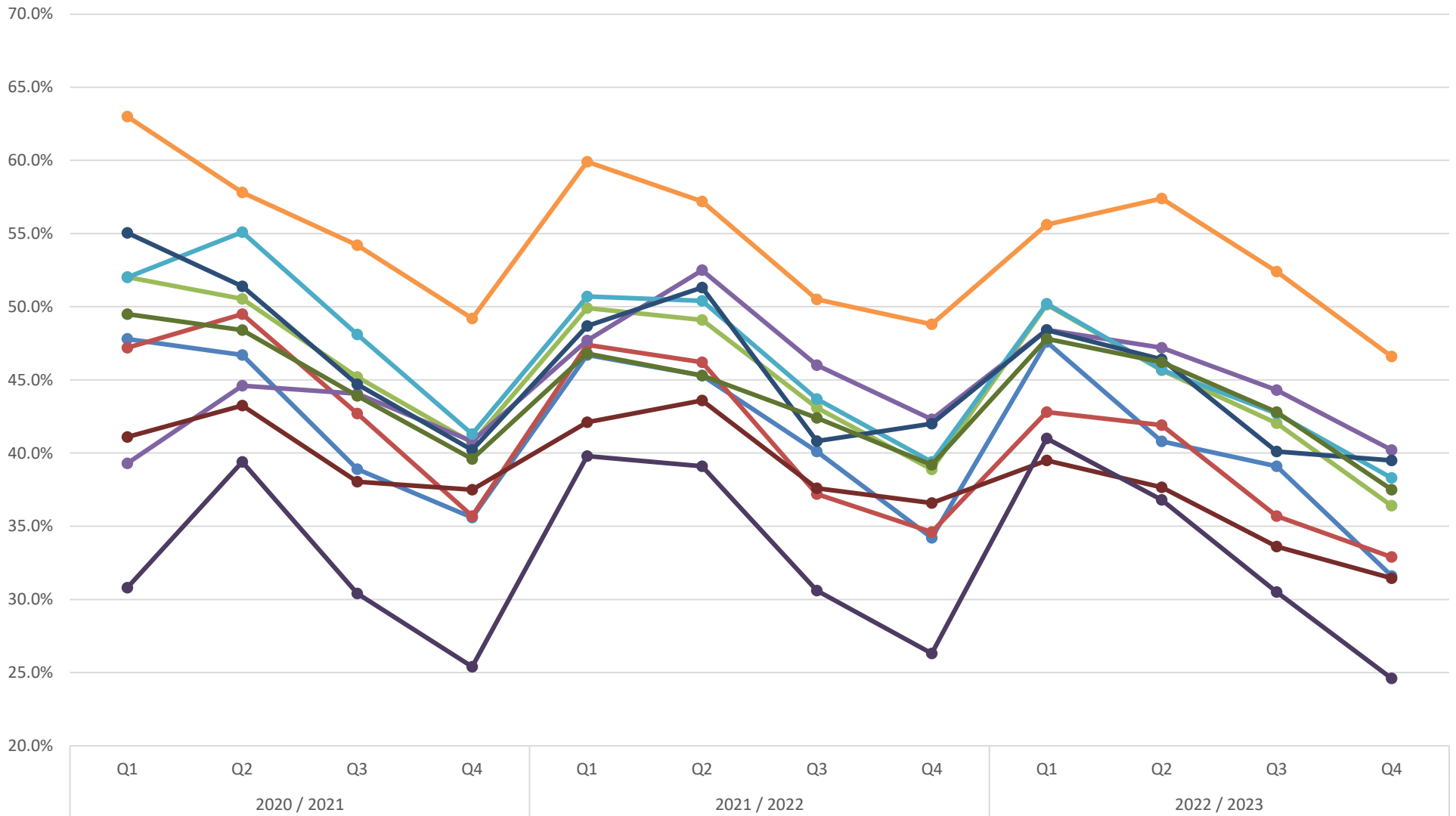


Performance reporting for SSB				Waste Collection Authorities								Waste Disposal Authority	Unitary Authority	SWP average	Staffordshire Waste Partnership					
Performance parameter	Waste Data Flow categories	Year	Quarter	Cannock Chase DC	East Staffordshire BC	Lichfield DC	Newcastle-under-Lyme BC	Stafford BC	Staffordshire Moorlands DC	South Staffordshire DC	Tamworth BC	Staffordshire County Council	Stoke-on-Trent City Council	SWP average	Year	Quarter	Parameter			
Weight of residual waste collected per household (sent for incineration)	NI191: Residual household waste collected per household (kg)	2020 / 2021	Q1	141.2	141.0	129.3	138.9	123.0	99.3	131.1	135.4	142.7	164.9	135	2020 / 2021	Q1	Weight of residual waste collected per household			
			Q2	133.6	128.3	126.2	126.4	118.9	109.6	124.3	132.5	118.9	150.4	131		Q2				
			Q3	130.8	118.4	128.0	113.9	113.3	101.3	124.9	128.0	145.9	139.1	124		Q3				
			Q4	139.8	143.4	127.7	121.5	125.7	106.1	135.3	129.3	158.5	165.5	135		Q4				
		2021 / 2022	Q1	130.2	133.7	124.4	117.7	119.2	136.4	119.2	130.2	136.4	119.2	159.3	130	2021 / 2022		Q1		
			Q2	132.7	131.1	127.9	102.7	116.4	109.2	120.5	123.8	139.6	146.3	125	Q2					
			Q3	121.7	140.5	124.8	107.6	115.9	103.3	131.5	124.8	145.6	133.7	125	Q3					
			Q4	136.1	132.2	124.2	101.6	121.4	103.2	119.8	125.6	149.4	155.3	127	Q4					
		2022 / 2023	Q1	118.1	134.6	110.6	102.3	114.4	99.7	121.0	127.5	145.2	141.4	121	2022 / 2023	Q1				
			Q2	127.6	120.7	112.4	99.1	111.9	91.3	114.2	119.9	136.4	138.8	117		Q2				
			Q3	113.2	129.4	114.2	97.7	111.8	95.0	123.8	125.0	133.5	126.8	117		Q3				
			Q4	135.0	128.8	116.9	100.5	115.5	100.3	115.4	123.2	140.3	152.0	123		Q4				
						CCDC	ESBC	LDC	NuLBC	SBC	SMDC	SSDC	TBC	SCC	SoTCC					
		Total recycling rate (all waste streams)	NI192: % of household waste sent for reuse, recycling or composting	2020 / 2021	Q1	47.8%	47.2%	52.0%	39.3%	52.0%	63.0%	55.1%	41.1%	49.5%	30.8%	48%		2020 / 2021	Q1	Total recycling rate (all waste streams)
					Q2	46.7%	49.5%	50.5%	44.6%	55.1%	57.8%	51.4%	43.2%	48.4%	39.4%	49%			Q2	
					Q3	38.9%	42.7%	45.2%	44.1%	48.1%	54.2%	44.7%	38.0%	43.9%	30.4%	43%			Q3	
Q4	35.6%				35.7%	40.7%	40.8%	41.3%	49.2%	40.2%	37.5%	39.6%	25.4%	39%	Q4					
2021 / 2022	Q1			46.7%	47.4%	49.9%	47.7%	50.7%	59.9%	48.7%	42.1%	46.8%	39.8%	48%	2021 / 2022	Q1				
	Q2			45.3%	46.2%	49.1%	52.5%	50.4%	57.2%	51.3%	43.6%	45.3%	39.1%	48%		Q2				
	Q3			40.1%	37.2%	43.7%	46.0%	43.7%	40.8%	43.7%	37.6%	42.4%	30.6%	41%		Q3				
	Q4			34.2%	34.6%	38.9%	42.3%	39.4%	48.8%	42.0%	36.6%	39.2%	26.3%	38%		Q4				
2022 / 2023	Q1			47.6%	42.8%	50.1%	48.4%	50.2%	55.6%	48.4%	39.5%	47.8%	41.0%	47%	2022 / 2023	Q1				
	Q2			40.8%	41.9%	45.7%	47.2%	45.7%	57.4%	46.4%	37.7%	46.2%	36.8%	45%		Q2				
	Q3			39.1%	35.7%	42.0%	44.3%	42.7%	52.4%	40.1%	33.6%	42.8%	30.5%	40%		Q3				
	Q4			31.6%	32.9%	36.4%	40.2%	38.3%	46.6%	39.5%	31.5%	37.5%	24.6%	36%		Q4				
				CCDC	ESBC	LDC	NuLBC	SBC	SMDC	SSDC	TBC	SCC	SoTCC							
Percentage of waste sent to landfill	NI193: % of municipal waste landfilled			2020 / 2021	Q1									0.8%	6.9%	4%	2020 / 2021	Q1	Percentage of waste sent to landfill	
					Q2									2.7%	3.2%	3%		Q2		
					Q3										0.9%	3.6%		2%		
		Q4											1.0%	3.5%	2%	Q4				
		2021 / 2022	Q1										3.6%	8.7%	6%	2021 / 2022	Q1			
			Q2										1.5%	3.4%	2%		Q2			
			Q3										1.0%	1.2%	1%		Q3			
			Q4										2.0%	1.4%	2%		Q4			
		2022 / 2023	Q1										1.1%	1.1%	1%	2022 / 2023	Q1			
			Q2										0.1%	2.0%	1%		Q2			
			Q3										0.3%	1.1%	1%		Q3			
			Q4										0.4%	0.8%	1%		Q4			
						CCDC	ESBC	LDC	NuLBC	SBC	SMDC	SSDC	TBC	SCC	SoTCC					
		Percentage of waste recycled (dry recyclable materials)	% household waste sent for recycling	2020 / 2021	Q1	19.8%	18.9%	24.7%	17.2%	20.6%	21.0%	20.2%	26.0%	20.7%	13.3%	20%	2020 / 2021	Q1		Percentage of waste recycled (dry recyclable materials)
					Q2	19.1%	19.2%	23.2%	18.6%	20.8%	19.6%	20.9%	25.1%	20.9%	20.0%	21%		Q2		
					Q3	22.2%	22.3%	26.4%	22.3%	23.5%	21.8%	24.5%	28.5%	23.8%	21.2%	24%		Q3		
Q4	24.3%				22.9%	29.1%	25.9%	28.3%	24.4%	24.4%	31.2%	26.4%	23.7%	26%	Q4					
2021 / 2022	Q1			21.2%	19.8%	23.8%	20.4%	22.9%	21.2%	16.0%	24.5%	21.9%	20.5%	21%	2021 / 2022	Q1				
	Q2			19.8%	19.7%	22.1%	20.4%	22.1%	18.1%	17.0%	25.5%	19.5%	21.4%	20%		Q2				
	Q3			23.3%	20.9%	26.3%	22.0%	22.3%	19.1%	28.7%	27.6%	23.5%	21.0%	23%		Q3				
	Q4			23.2%	23.4%	27.3%	23.0%	25.0%	24.5%	24.3%	30.1%	25.2%	21.0%	25%		Q4				
2022 / 2023	Q1			19.5%	13.5%	21.7%	19.2%	20.9%	17.8%	18.3%	22.5%	21.4%	21.0%	20%	2022 / 2023	Q1				
	Q2			18.5%	18.3%	22.5%	20.8%	22.5%	20.8%	22.5%	23.7%	23.5%	21.2%	21%		Q2				
	Q3			21.4%	17.9%	23.3%	23.6%	23.0%	22.8%	21.0%	23.8%	24.4%	23.1%	22%		Q3				
	Q4			20.7%	20.0%	25.7%	26.2%	25.4%	25.6%	22.7%	26.4%	24.5%	22.8%	24%		Q4				
				CCDC	ESBC	LDC	NuLBC	SBC	SMDC	SSDC	TBC	SCC	SoTCC							
Percentage of waste composted (garden waste, or garden and food combined)	% household waste sent for composting			2020 / 2021	Q1	28.0%	28.3%	27.4%	22.0%	31.4%	42.0%	34.8%	19.1%	28.1%	17.4%	28%	2020 / 2021	Q1	Percentage of waste composted (garden waste, or garden and food combined)	
					Q2	27.3%	30.2%	27.3%	24.6%	34.3%	38.1%	30.5%	18.1%	27.4%	19.3%	28%		Q2		
					Q3	16.3%	20.4%	24.9%	18.5%	24.9%	18.3%	18.5%	9.5%	13.3%	9.1%	18%		Q3		
		Q4	11.0%		12.7%	11.6%	10.9%	13.1%	24.1%	15.8%	6.3%	13.1%	1.7%	12%	Q4					
		2021 / 2022	Q1	25.2%	27.5%	26.1%	22.6%	27.7%	38.7%	22.0%	17.2%	24.7%	19.2%	25%	2021 / 2022	Q1				
			Q2	25.1%	26.4%	27.1%	25.1%	27.1%	39.1%	24.0%	18.1%	29.6%	17.7%	26%		Q2				
			Q3	16.4%	16.1%	16.8%	17.1%	21.4%	31.3%	22.4%	10.0%	18.7%	9.4%	18%		Q3				
			Q4	11.0%	11.2%	11.5%	12.7%	14.4%	24.2%	17.6%	6.5%	13.9%	2.2%	13%		Q4				
		2022 / 2023	Q1	28.1%	29.2%	28.4%	23.5%	29.3%	37.8%	30.1%	17.0%	26.3%	19.9%	27%	2022 / 2023	Q1				
			Q2	22.4%	23.5%	23.2%	20.4%	24.1%	36.5%	26.5%	14.0%	22.6%	15.6%	23%		Q2				
			Q3	17.7%	17.7%	18.7%	14.1%	19.7%	29.5%	19.1%	9.8%	18.2%	7.3%	17%		Q3				
			Q4	10.9%	11.7%	12.9%	6.8%	10.7%	12.0%	16.8%	5.0%	12.8%	1.8%	11%		Q4				
						CCDC	ESBC	LDC	NuLBC	SBC	SMDC	SSDC	TBC	SCC	SoTCC					
		Percentage of waste sent for AD (food waste)	% household waste sent for anaerobic digestion (formerly part of BVPI 82b)	2020 / 2021	Q1				0.1%							0%	2020 / 2021	Q1		Percentage of waste sent for AD (food waste)
					Q2				1.4%							1%		Q2		
					Q3				3.3%									3%		
Q4							4.0%								4%	Q4				
2021 / 2022	Q1						4.9%								5%	2021 / 2022	Q1			
	Q2						6.9%								7%		Q2			
	Q3						6.9%								7%		Q3			
	Q4						6.6%								0		Q4			
2022 / 2023	Q1						5.7%								0	2022 / 2023	Q1			
	Q2						5.9%								0		Q2			
	Q3						6.9%								0		Q3			
	Q4						7.3%								0		Q4			
				CCDC	ESBC	LDC	NuLBC	SBC	SMDC	SSDC	TBC	SCC	SoTCC							
Performance parameter	Waste Data Flow categories			Year	Quarter	Cannock Chase DC	East Staffordshire BC	Lichfield DC	Newcastle-under-Lyme BC	Stafford BC	Staffordshire Moorlands DC	South Staffordshire DC	Tamworth BC	Staffordshire County Council	Stoke-on-Trent City Council	SWP average	Year	Quarter	Parameter	
Performance reporting for SSB				Waste Collection Authorities								Waste Disposal Authority	Unitary Authority	SWP average	Staffordshire Waste Partnership					

Performance reporting for SSB			Waste Collection Authorities								Waste Disposal Authority	Unitary Authority	SWP average		
Performance parameter	Waste Data Flow categories	Year	Cannock Chase DC	East Staffordshire BC	Lichfield DC	Newcastle-under-Lyme BC	Stafford BC	Staffordshire Moorlands DC	South Staffordshire DC	Tamworth BC	Staffordshire County Council	Stoke-on-Trent City Council		Year	Parameter
Weight of residual waste collected per household (sent for incineration)	NI191: Residual household waste collected per household (kg)	2020 / 2021	136.4	132.8	127.8	125.2	120.2	104.1	128.9	131.3	151.5	155.0	131	2020 / 2021	Weight of residual waste collected per household
		2021 / 2022	133.6	130.9	126.6	119.9	119.3	103.3	128.7	131.5	155.7	152.7	130	2021 / 2022	
		2022 / 2023	133.4	131.6	127.0	113.9	118.6	103.2	127.7	129.4	150.8	151.7	129	2022 / 2023	
			CCDC	ESBC	LDC	NuLBC	SBC	SMDC	SSDC	TBC	SCC	SoTCC			
Total recycling rate (all waste streams)	NI192: % of household waste sent for reuse, recycling or composting	2020 / 2021	42.3%	43.8%	47.1%	42.2%	49.1%	56.1%	47.8%	40.0%	45.4%	31.5%	45%	2020 / 2021	Total recycling rate (all waste streams)
		2021 / 2022	42.0%	43.8%	46.6%	44.3%	48.8%	55.3%	46.2%	40.2%	44.7%	33.8%	45%	2021 / 2022	
		2022 / 2023	41.6%	43.0%	46.2%	46.3%	47.6%	55.1%	46.2%	40.3%	43.9%	33.7%	44%	2022 / 2023	
			CCDC	ESBC	LDC	NuLBC	SBC	SMDC	SSDC	TBC	SCC	SoTCC			
Percentage of waste sent to landfill	NI193: % of municipal waste landfilled	2020 / 2021									1.3%	4.3%	3%	2020 / 2021	Percentage of waste sent to landfill
		2021 / 2022									2.0%	4.7%	3%	2021 / 2022	
		2022 / 2023									1.7%	4.8%	3%	2022 / 2023	
			CCDC	ESBC	LDC	NuLBC	SBC	SMDC	SSDC	TBC	SCC	SoTCC			
Percentage of waste recycled (dry recyclable materials)	% household waste sent for recycling	2020 / 2021	21.3%	20.8%	25.8%	21.0%	23.3%	20.8%	22.5%	27.7%	22.9%	19.5%	23%	2020 / 2021	Percentage of waste recycled (dry recyclable materials)
		2021 / 2022	21.7%	21.1%	25.6%	21.8%	23.9%	20.9%	21.4%	27.3%	23.2%	21.4%	23%	2021 / 2022	
		2022 / 2023	21.9%	21.2%	25.4%	22.2%	23.9%	20.4%	20.5%	27.4%	22.9%	21.7%	23%	2022 / 2023	
			CCDC	ESBC	LDC	NuLBC	SBC	SMDC	SSDC	TBC	SCC	SoTCC			
Percentage of waste composted (garden waste, or garden and food combined)	% household waste sent for composting	2020 / 2021	20.7%	22.9%	21.3%	19.0%	25.9%	34.1%	23.6%	13.3%	22.1%	11.9%	21%	2020 / 2021	Percentage of waste composted (garden waste, or garden and food combined)
		2021 / 2022	20.0%	22.7%	21.0%	19.1%	25.0%	33.3%	20.4%	12.8%	21.3%	12.3%	21%	2021 / 2022	
		2022 / 2023	19.4%	21.7%	20.9%	19.3%	23.8%	33.5%	18.8%	12.8%	20.8%	11.9%	20%	2022 / 2023	
			CCDC	ESBC	LDC	NuLBC	SBC	SMDC	SSDC	TBC	SCC	SoTCC			
Percentage of waste sent for AD (food waste)	% household waste sent for anaerobic digestion (formerly part of BVPI 82b)	2020 / 2021				2.2%							2%	2020 / 2021	Percentage of waste sent for AD (food waste)
		2021 / 2022				3.4%							3%	2021 / 2022	
		2022 / 2023				4.8%							5%	2022 / 2023	
			CCDC	ESBC	LDC	NuLBC	SBC	SMDC	SSDC	TBC	SCC	SoTCC			
Performance parameter	Waste Data Flow categories	Year	Cannock Chase DC	East Staffordshire BC	Lichfield DC	Newcastle-under-Lyme BC	Stafford BC	Staffordshire Moorlands DC	South Staffordshire DC	Tamworth BC	Staffordshire County Council	Stoke-on-Trent City Council	SWP average	Year	Parameter
Performance reporting for SSB			Waste Collection Authorities								Waste Disposal Authority	Unitary Authority			

Total recycling rate (%)

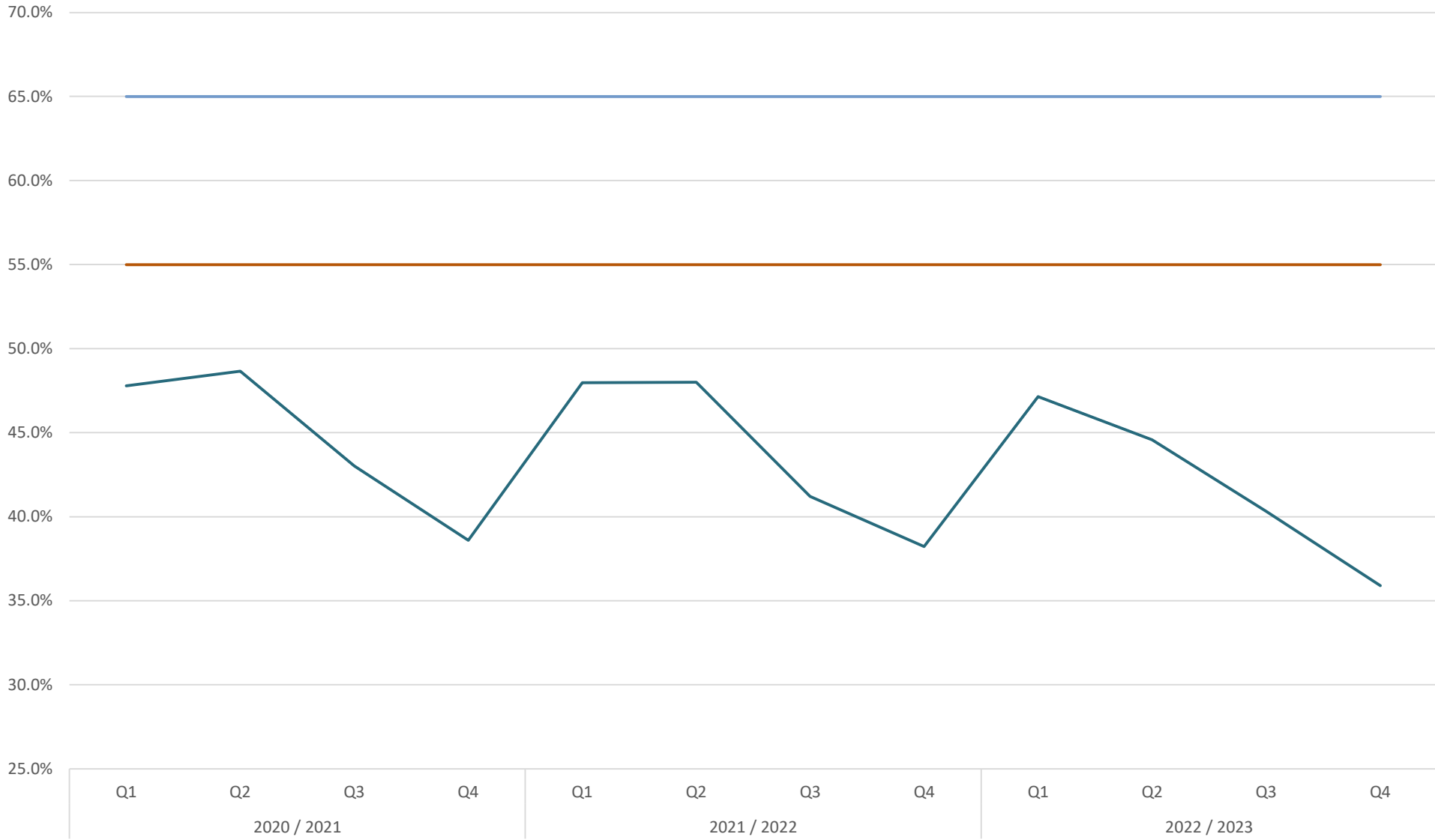
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- Cannock Chase DC
 ● East Staffordshire BC
 ● Lichfield DC
 ● Newcastle-under-Lyme BC
 ● Stafford BC
- Staffordshire Moorlands DC
 ● South Staffordshire DC
 ● Tamworth BC
 ● Staffordshire County Council
 ● Stoke-on-Trent City Council

### Total recycling rate (%)

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— SWP average — PFI deal target — National target

### Total recycling rate (%)

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Weight of residual waste collected per household (kg)

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