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# Food Waste Service

## The Journey So Far



# Staffordshire JMWS Zero Waste to Landfill



## 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.**

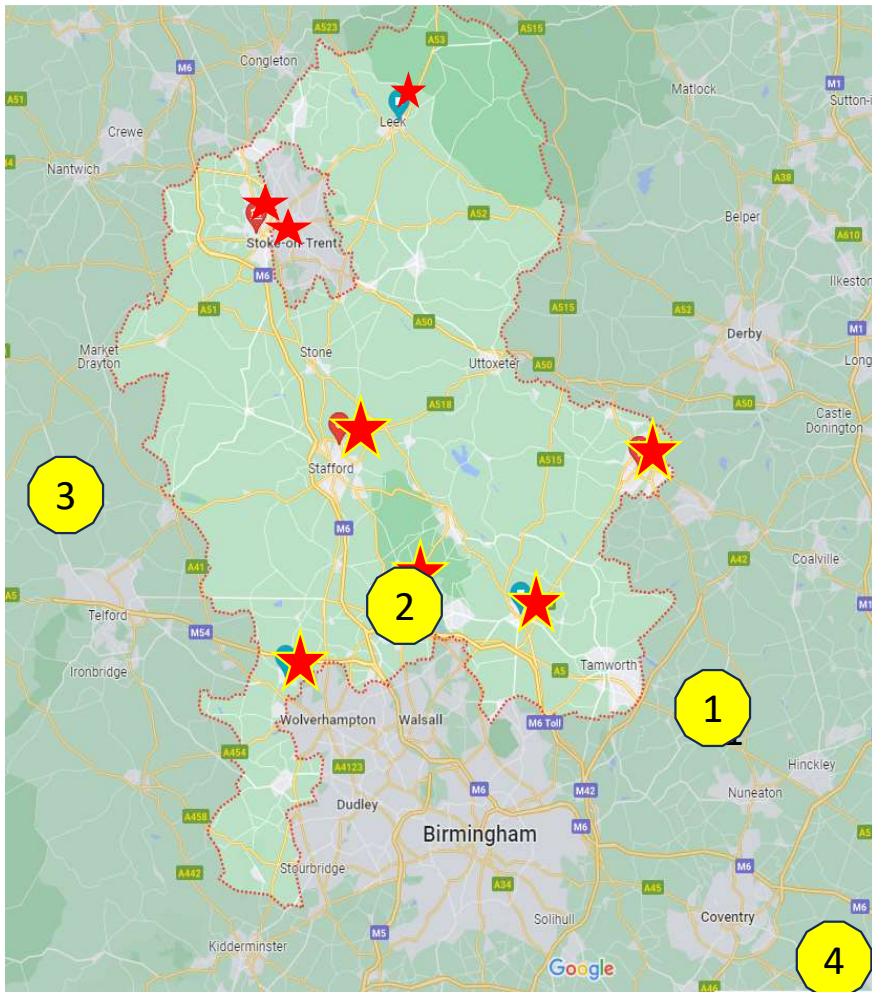


# SCC Preparations for the future

- **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

