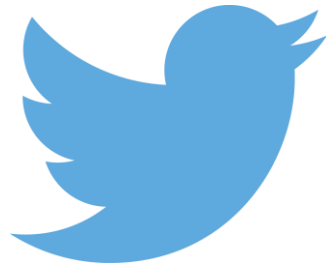




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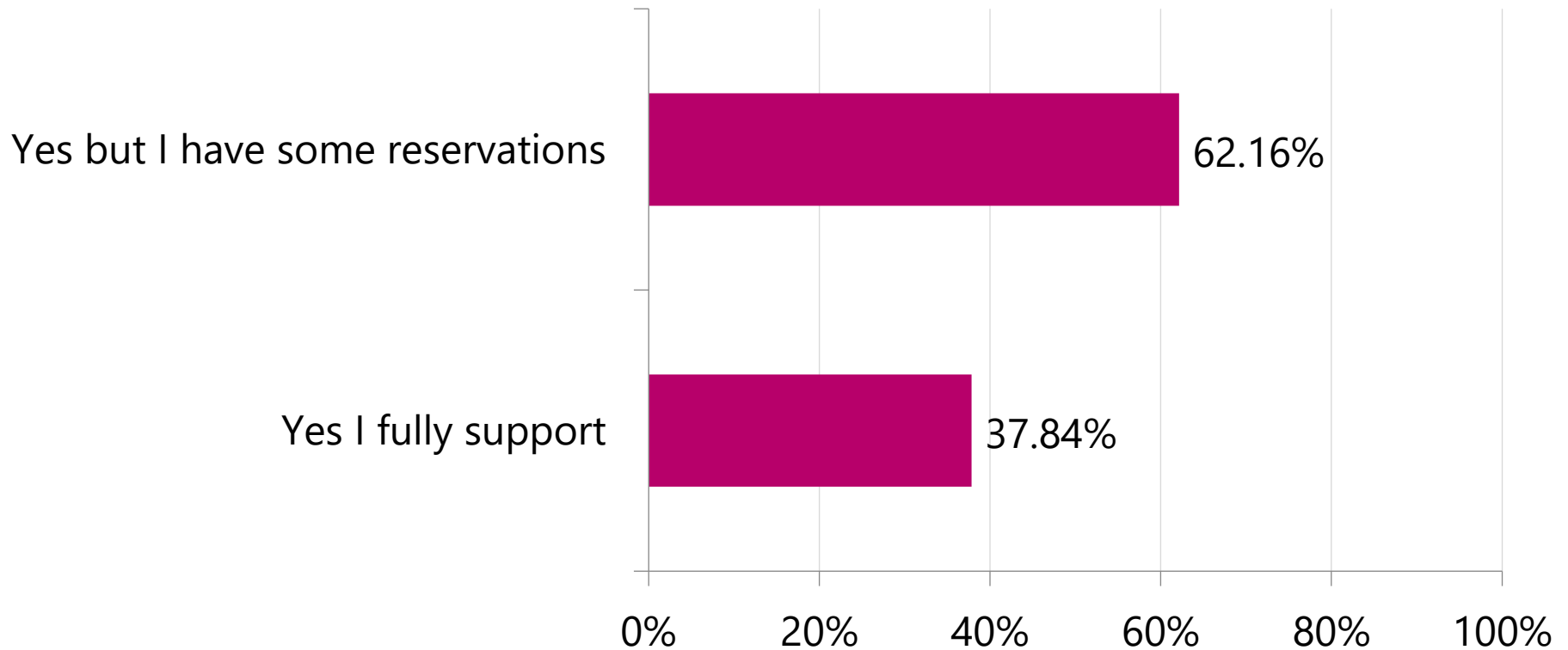
**@APSE - Association
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Excellence**



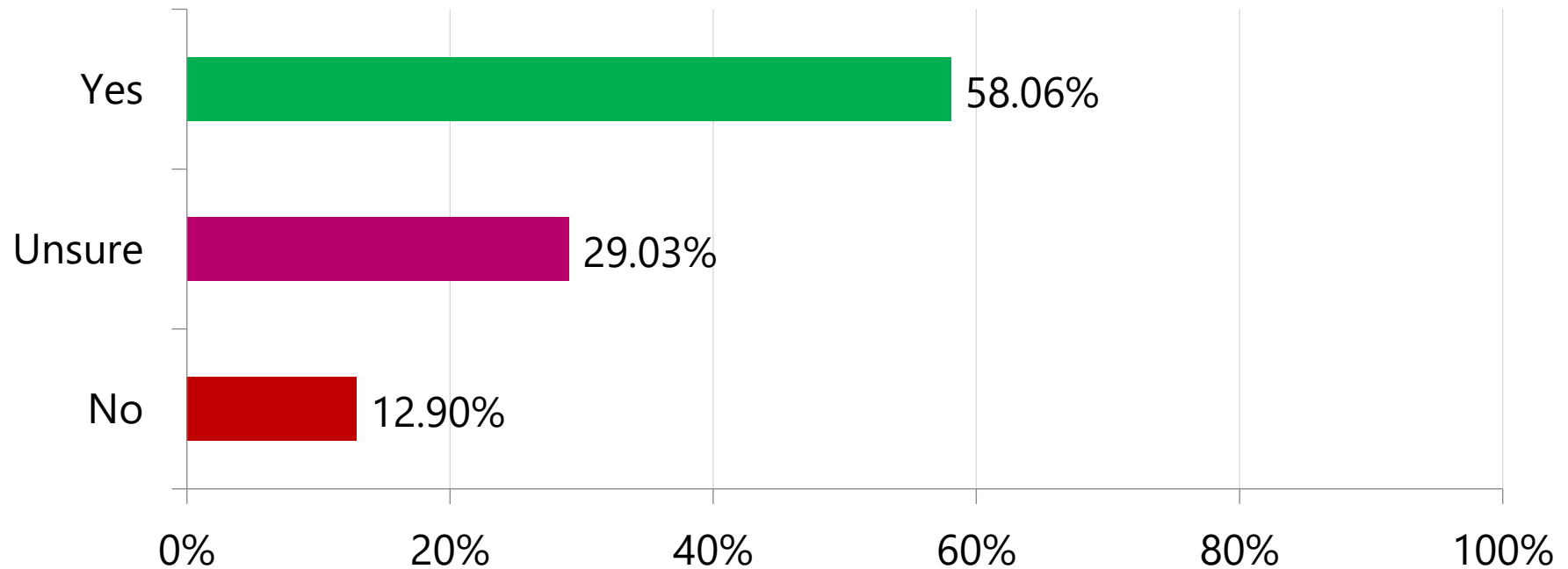
Deposit Return Scheme Research

**Mo Baines
Deputy Chief Executive
APSE**

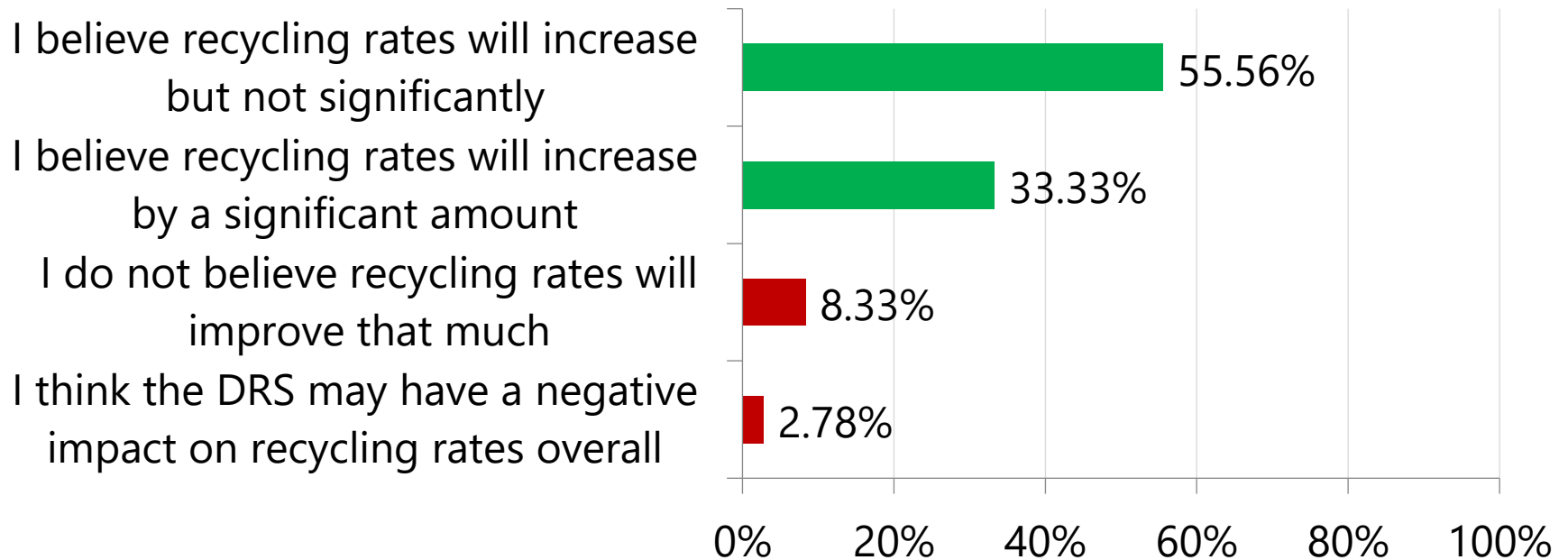
Do you support the aims of the DRS scheme?



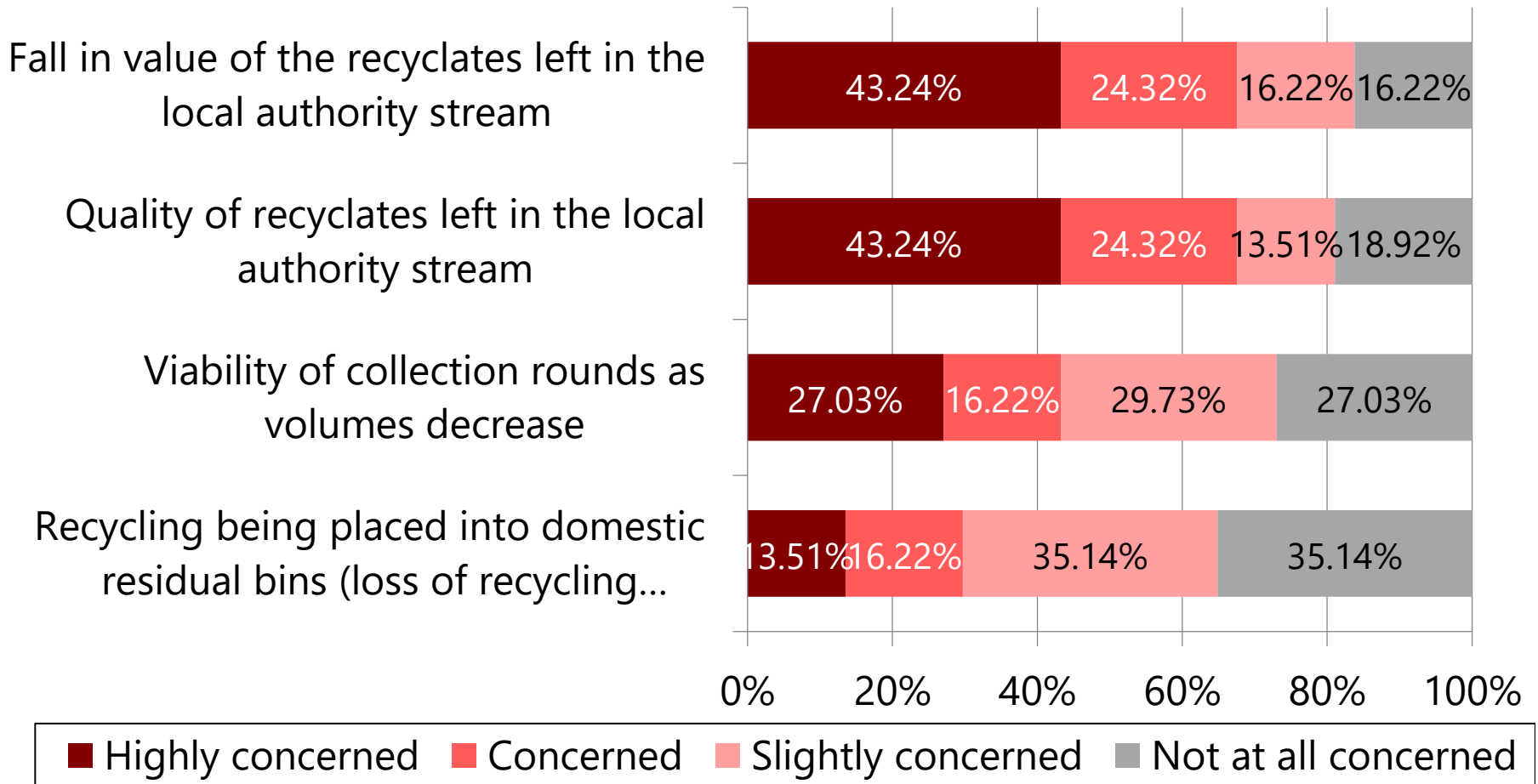
Do you think the 20 pence deposit level will provide enough of an incentive for customers to return their bottles and cans etc?



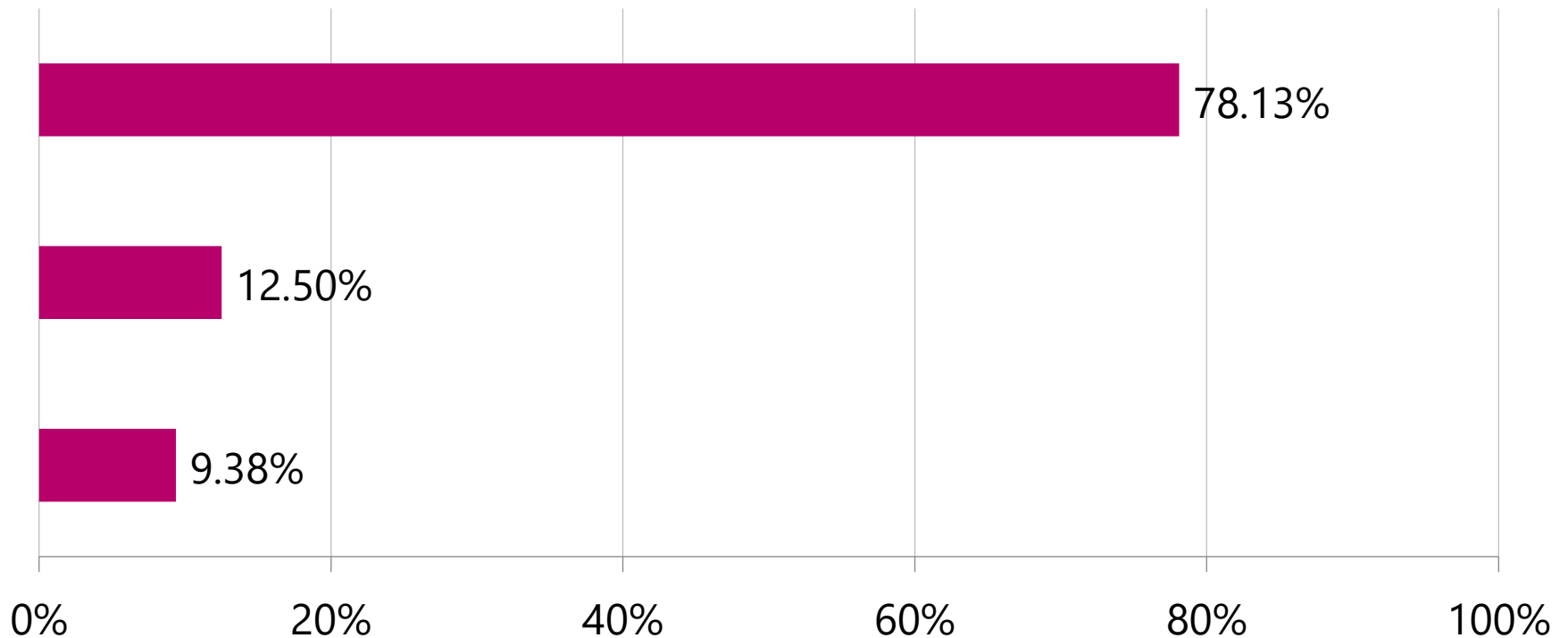
How do you view the impact of the DRS scheme on recycling rates overall within Scotland?



Are you concerned by any of the following issues on domestic collections? Please rate:

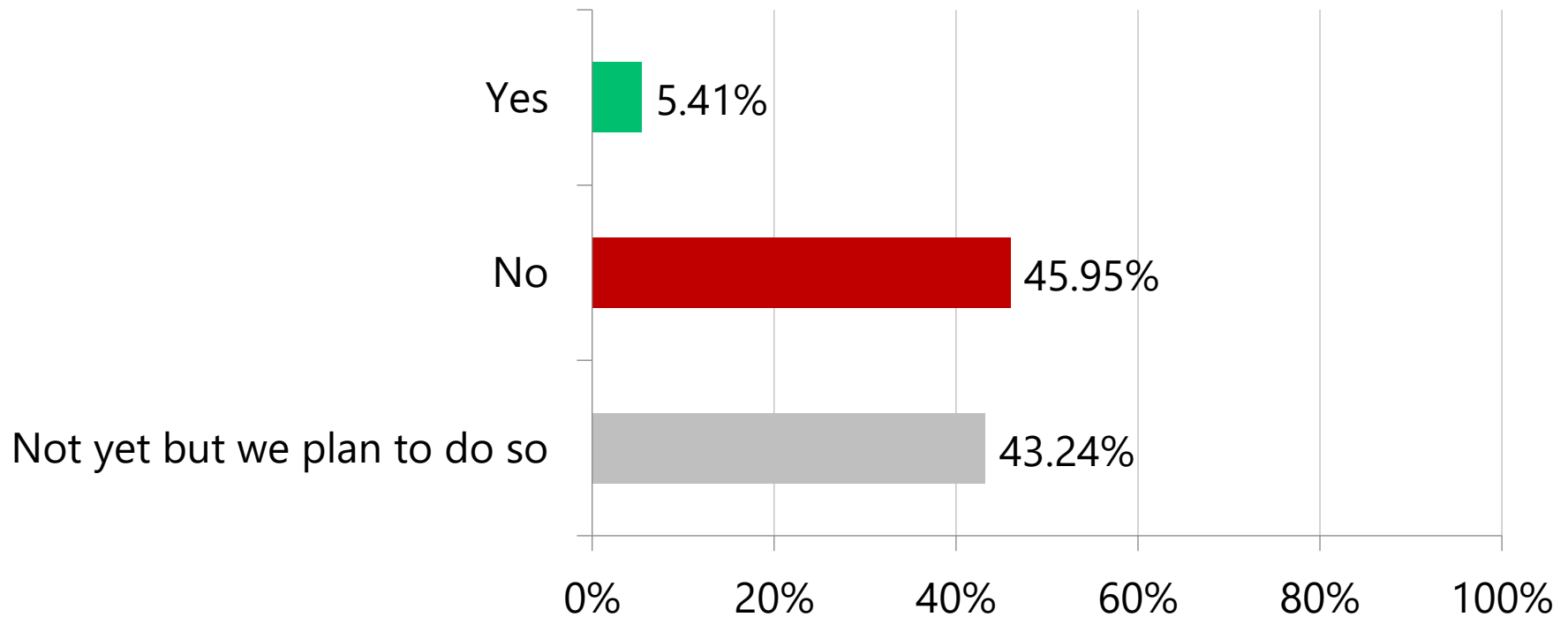


Thinking about your commercial waste collections which of the following applies to your service?

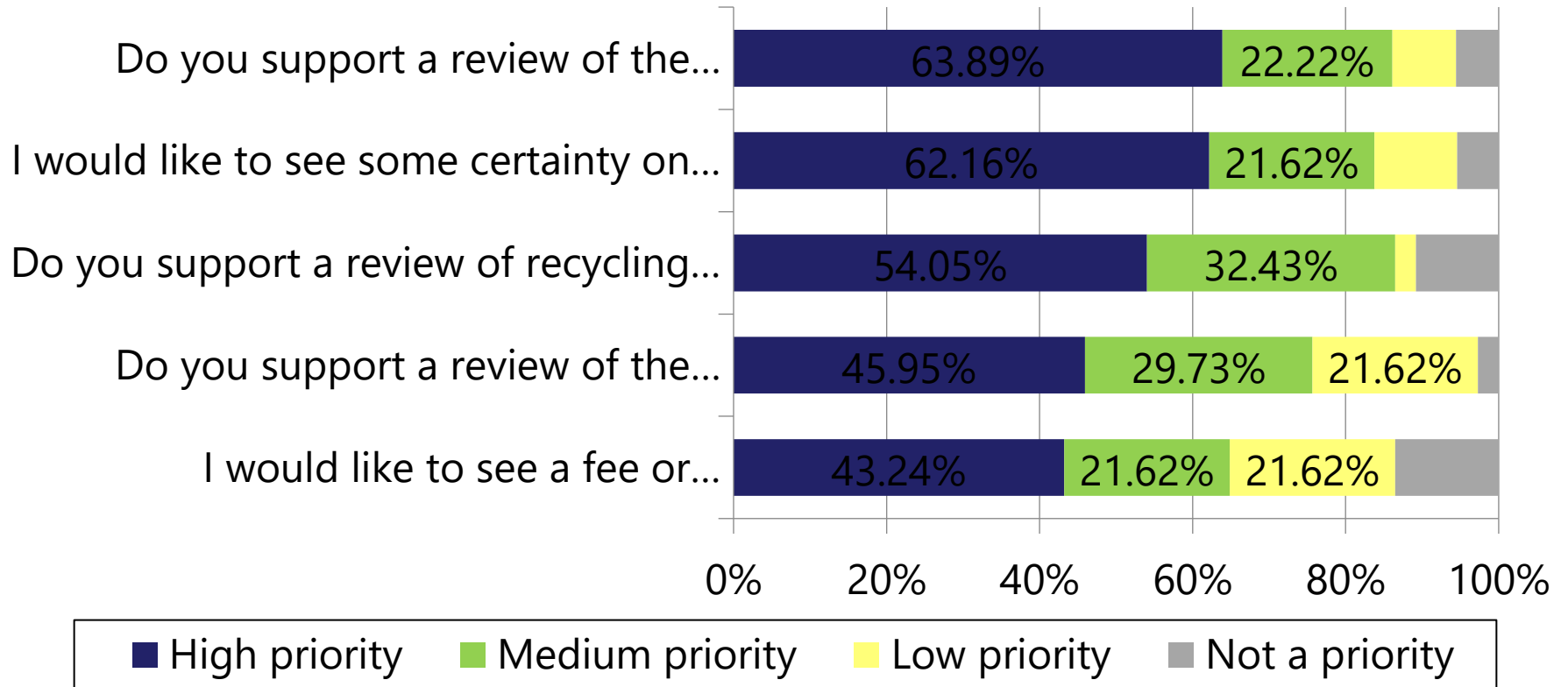


DRS will have no impact on trade waste 78.13%

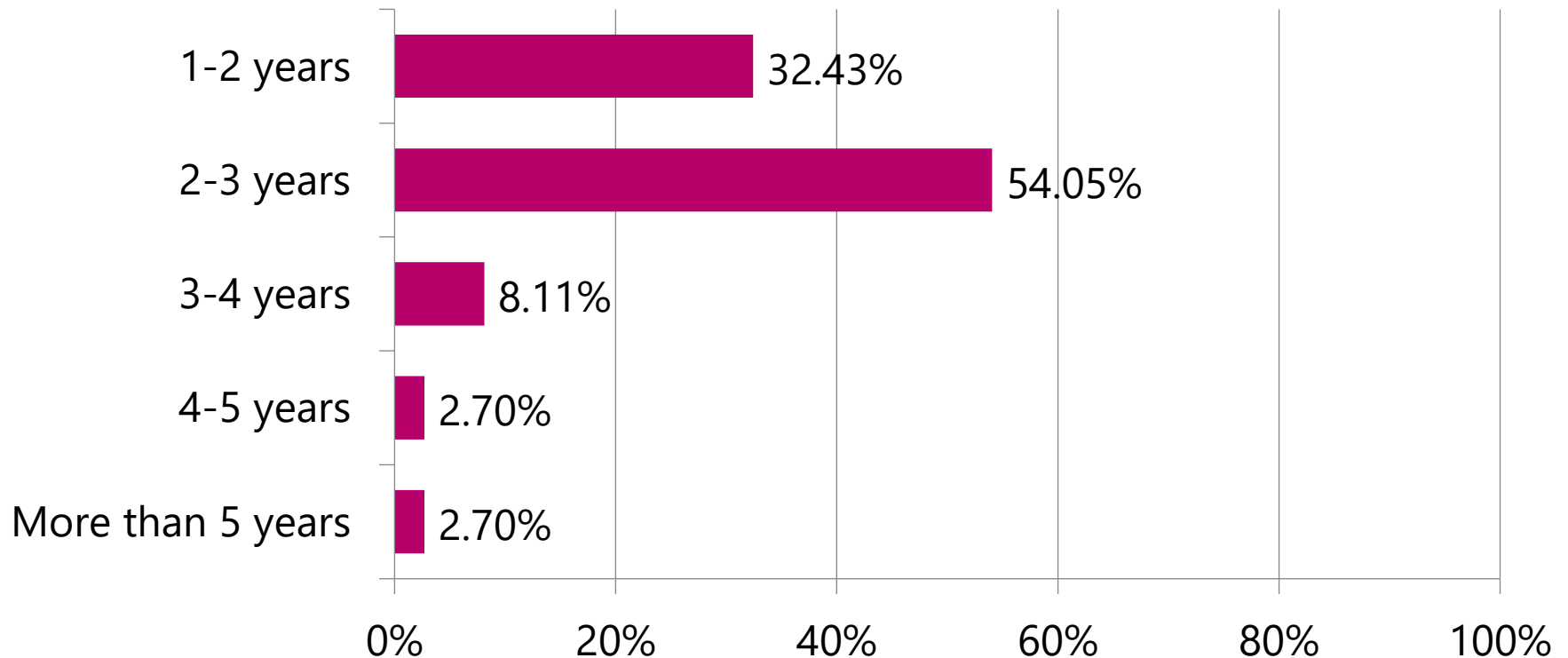
Have you been able to assess the impact of DRS on other council services and buildings such as schools, hospitality venue hire etc?



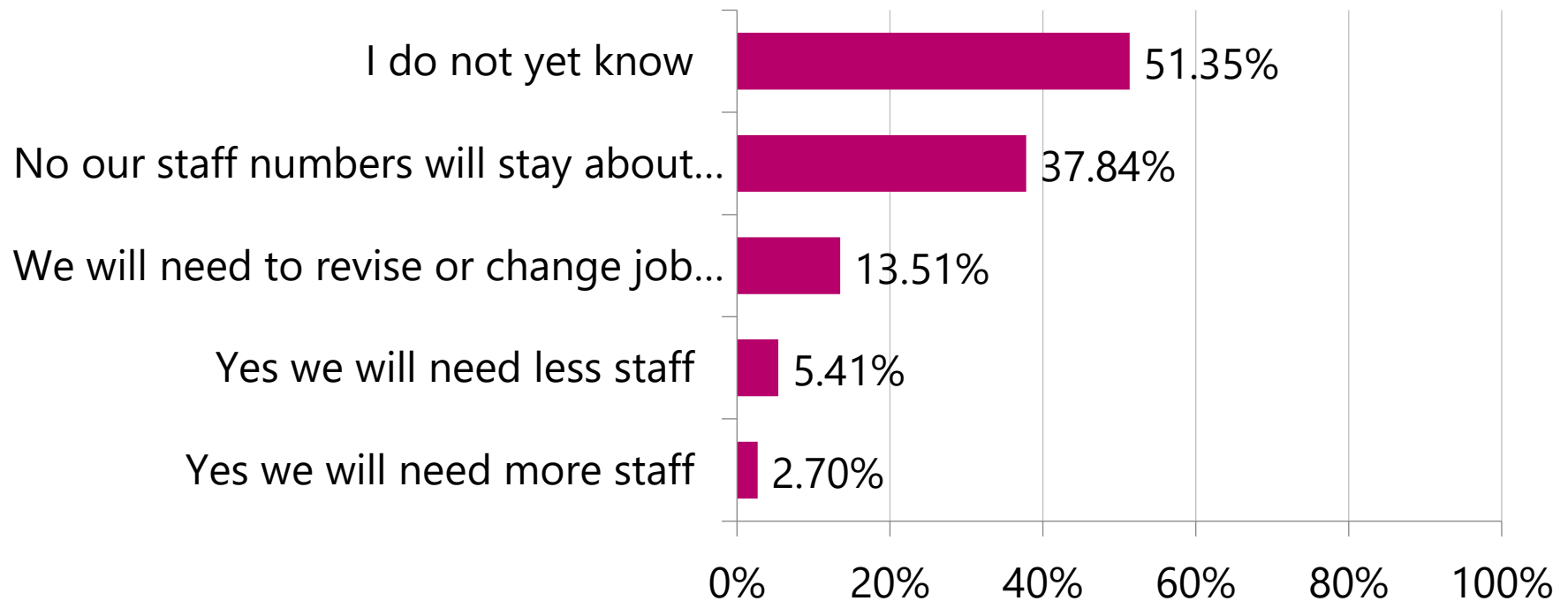
Which of the following statements do you agree with?



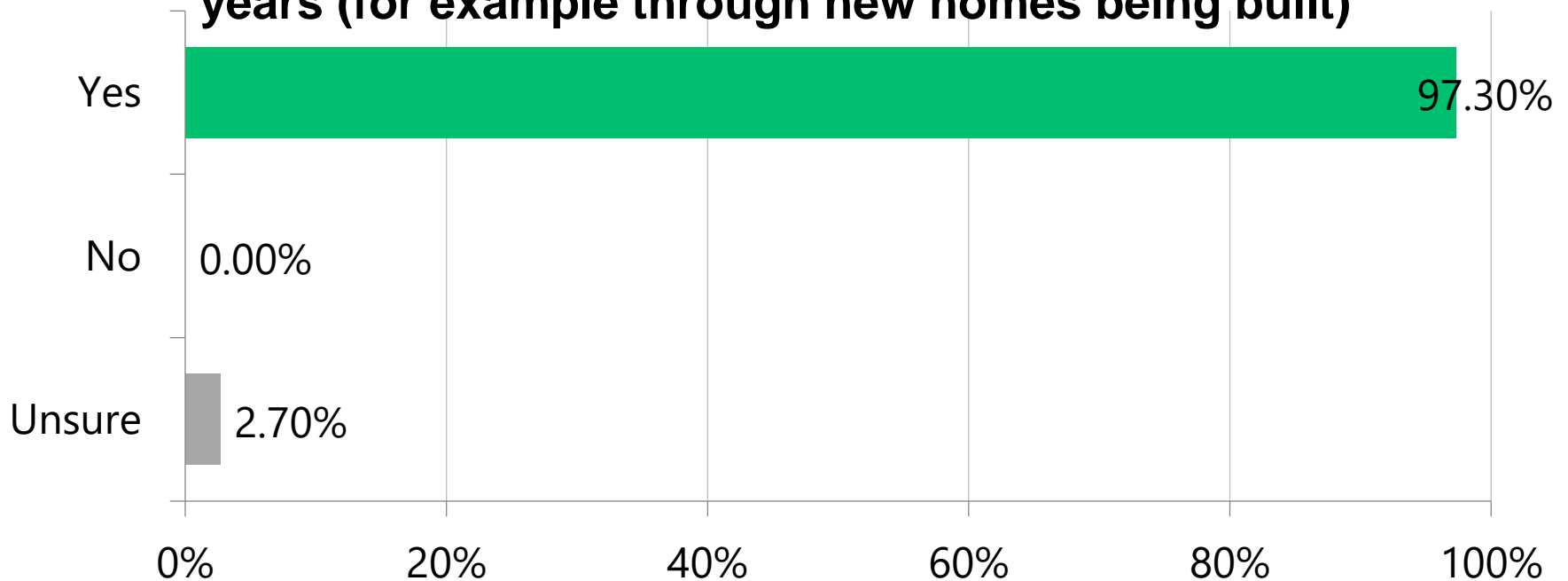
What do you believe are necessary lead-in times to DRS to enable you to reshape your existing service into one which meets the newer needs of operations under a DRS system?



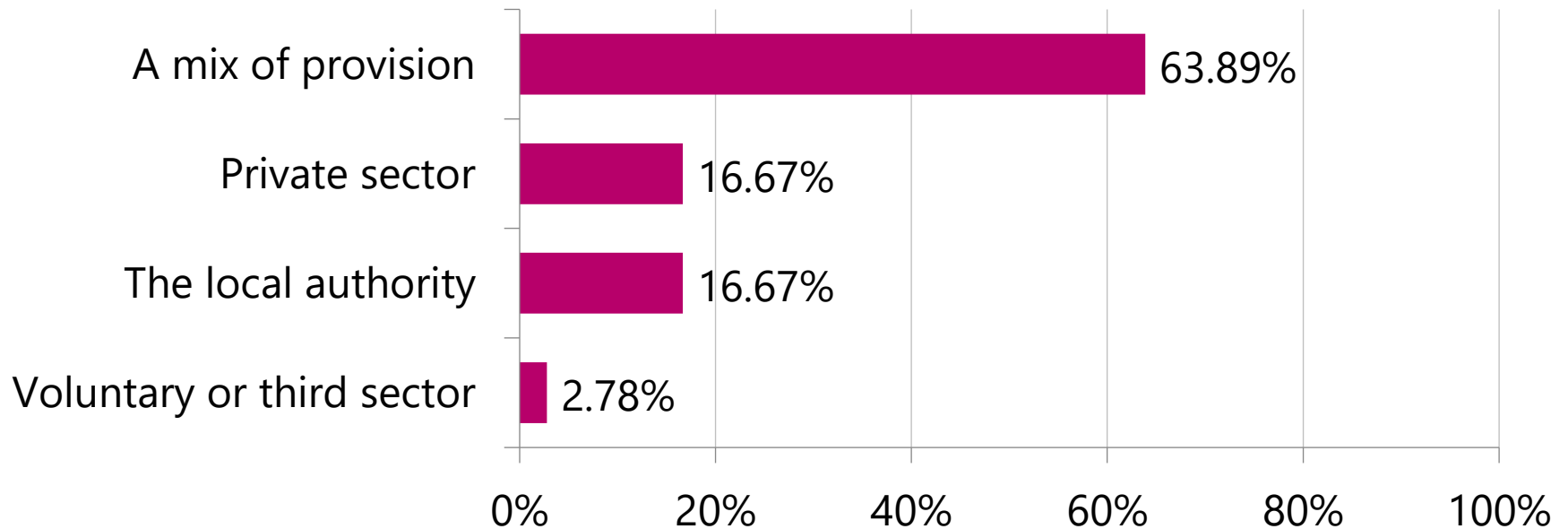
Do you believe there will be an impact on your workforce numbers? Please tick all that apply.



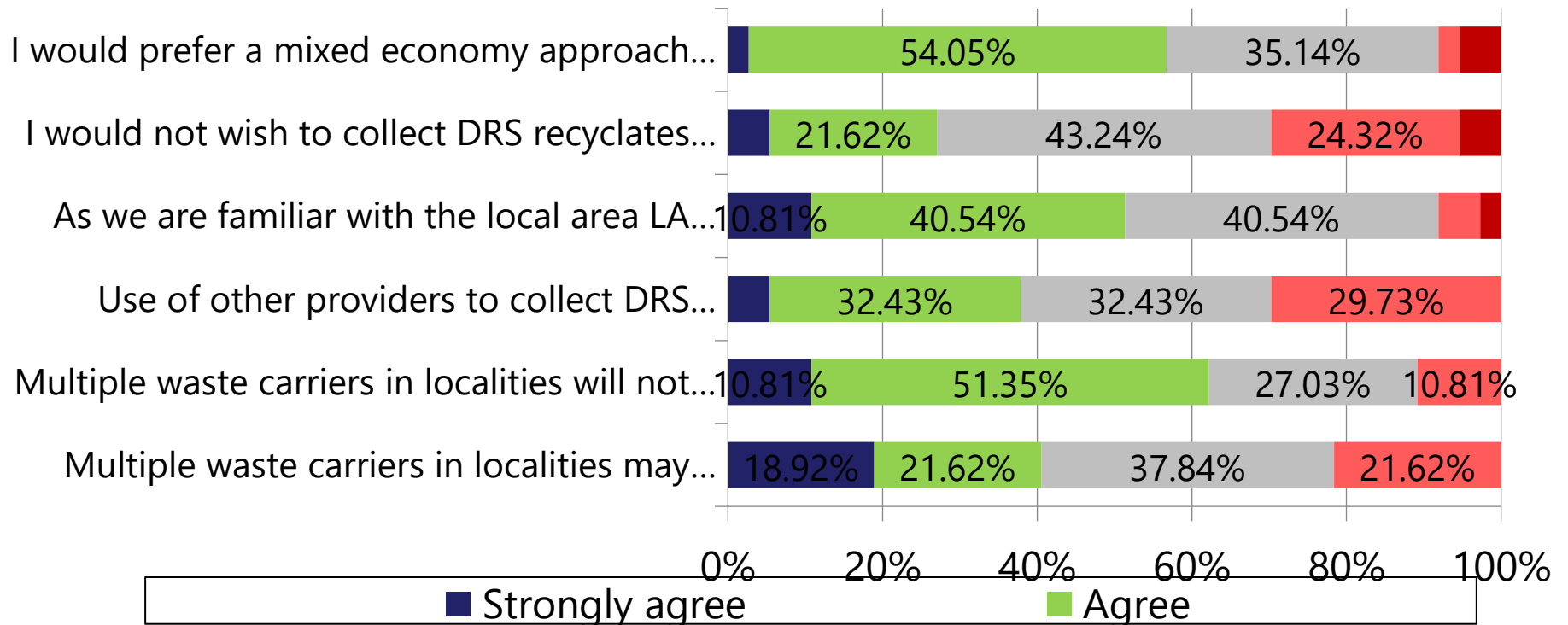
Thinking about your council area is it likely that household numbers will increase within the next five years (for example through new homes being built)



Who do you feel is best placed to operate the DRS scheme (collecting returns from premises and taking the recyclates to sorting or treatment sites)



Thinking about the commissioning of DRS collection services from within your area please tick any of the following you agree with.





What are we calling for?

1 Go Live Date

We recommend that local councils continue to be kept fully informed, as well as consulted, on the progress of the implementation of the DRS, in order to enable changes and modifications to services to ensure a planned and smooth transition for the introduction of the scheme.

2 Support for revised compositional analysis

We recommend that all councils are offered support to create new data based on up-to-date compositional analysis.

Whilst we recognise existing compositional analysis may still be reasonably valid in some areas this is not universal and appropriate targeted support should be available to all councils to ensure that the data being used, to drive decisions, including operational and financial modelling, is fit for purpose.

3 Modelling Software

Modelling software to gauge the impact of changed assumptions

We recommend access to suitable software for all local councils to enable real time decision making and forward planning.

This would be a low-cost solution but provide the opportunity to plan for changes with different scenarios.

This avoids decisions being made on out of date, inappropriate or unrealistic assumptions

4 Charter review

Charter review to consider the views of local councils

We recommend that the Charter and associated Code of Practice is reviewed with full consideration of the potential impact of the DRS on the ability of local authorities to comply with a code designed in a pre-DRS era

5 VAT on Deposits

We would respectfully request that the Scottish Minister for Finance and the Economy, Kate Forbes, MSP and Lorna Slater MSP, Minister for Green Skills, Circular Economy and Biodiversity write to their counterparts in Westminster to demand an urgent resolution to this matter.

6 Contract advice and securing Best Value

We recommend that urgent advice is provided to local councils, which is consistent with their Best Value Duty, and which provides assurances on contractual issues; including the potential for compensation sums to current contractors / service providers.

Arguments of Force Majeure may not hold since this is a creature of the contract itself and not a common law issue.

It is therefore essential that advice is provided in a timely and consistent way.



DRScoming to a council near you!



NEW MUNICIPALISM

Delivering for local people and local economies



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telephone: 0161 772 1810

web: www.apse.org.uk



GB 11409



GB 11132



GB 14074

Biofuels is it an Alternative?

Paul Naylor



A little context...

- Medium sized district
- South Hampshire
- Population – 135,000
- Southampton Airport,
- Hampshire Cricket
- 500 employees
- Very ambitious Council
- Net Zero by 2025!

- Political stability from 1994
- Culture is co-production with staff/councillor joint working



EASTLEIGH
BOROUGH COUNCIL

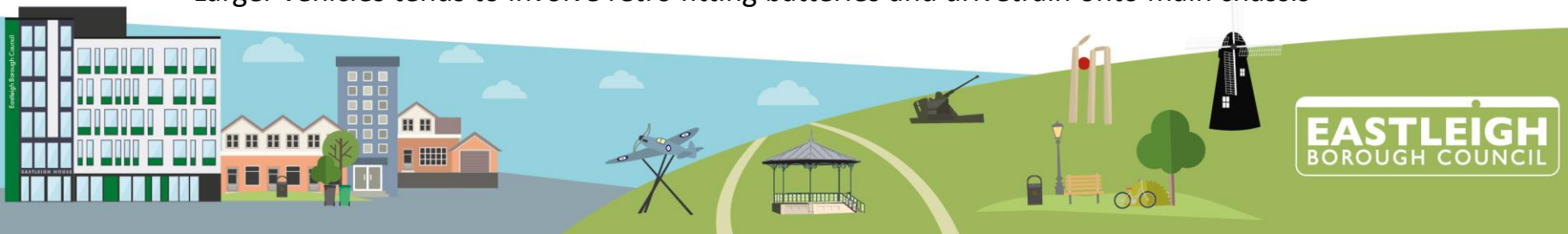
Electric Fleet

- Why?
 - Eastleigh Borough Councils commitment to net zero for its own activities by 2025
 - The borough as a whole by 2030
- Finance
 - The Business Case
 - Capital Purchase or Lease
 - Double the cost of conventional combustion engine
 - Estimated Life of vehicle and batteries
 - Maintenance costs reduced!
 - Who can maintain!



What's available?

- Electric, Hydrogen, Hybrid
 - Which one – VHS v Betamax
 - Manufacturers are playing catch up
- Hybrid – reduced payload due to combustion engine and batteries
 - emissions still not zero – will not get you to where you need to be
- Hydrogen – not all hydrogen is green, need to know how it is produced
 - Refuelling infrastructure is patchy
 - Picture is improving, more options coming to market
- Electric – Well established in car and van market
 - Truck manufacturers are slow to market
 - Larger vehicles tends to involve retro fitting batteries and drivetrain onto main chassis



Charging Infrastructure

- Does your depot have enough electric capacity?
 - Often the answer is no, which means increasing capacity – expensive!
 - Which type of chargers – direct current (DC) or alternating current (AC)
 - Dennis E connect = DC – Electra AC, although understand they may be able to do both!
 - You need to know how quickly vehicles will charge
 - The larger the fleet the more complex the charging infrastructure needs to be
 - What happens if grid goes down!
 - Infrastructure upgrades needs lead in time and capital investment
 - Sub-depots



CEE - transitioning to alternative fuelled vehicles

- Will electric be the answer to Large vehicles – unlikely, the main truck manufacturers appear to favour Hydrogen
- Electric will most likely provide the answer to small/medium vehicles, and other small items of plant
- Can you wait for the market to mature – delivery times are already pressured on conventional vehicles
- Transitional Fuel – Hydrogenated Vegetable Oil (HVO) –
 - the main manufacturers confirm their warranties are still valid
 - Drop in replacement for diesel
 - Guaranteed from sustainable sources
 - Cheaper than diesel at the moment



HVO

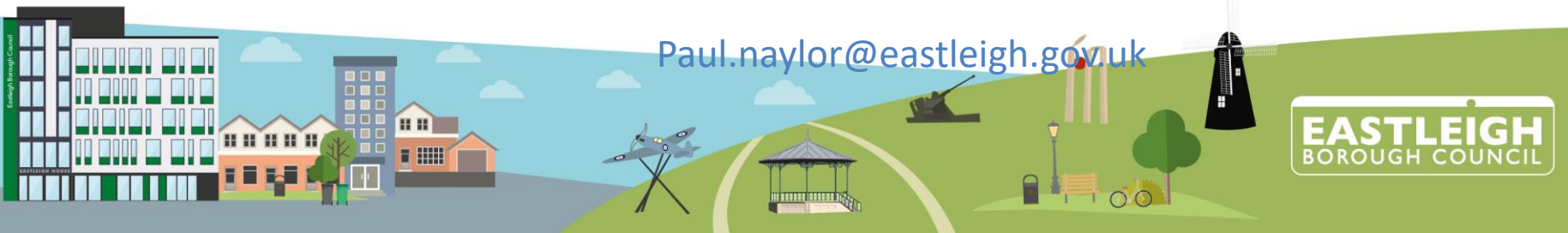
- Three month trial in 6 vehicles
- No difference in MPG
- No adverse impact on engines or vehicle performance
- 90% cleaner than diesel
- Can be delivered straight into existing diesel tanks
- Moved entire fleet 100+ vehicles in September 2021



Questions / Discussion

Paul Naylor
Executive Head, Neighbourhood
Services

Paul.naylor@eastleigh.gov.uk



TACKLE
CLIMATE
CHANGE.

Food Waste Recycling

Flats food waste rollout across London Borough of Hounslow

DISPOSE
OF FOOD
WASTE
RESPONSIBLY.



In 2020 we set ourselves an ambitious target to provide a food waste service to 24,000 flat properties by the end of March 2022. This is about two thirds of all flats in the Borough.

Prior to this residents living in flats were not able to recycle their food waste – something we were keen, alongside our residents to change!

So far, We have delivered food waste recycling services to over 12,000 flats across the Borough and by end of April 2022, over 16,000 properties will have access to this service. We are on target to complete roll out by the end of June 2022.

Where residents have unavoidable food waste (plate scrapings, fruit and veg peelings, tea bags etc) we want to encourage them to recycle this in the food waste bin. BUT, we really want to encourage residents to understand the true value of food and to reduce their food waste to as close to zero as possible!

Unbelievably, UK households waste 4.5 million tonnes of edible food every year - this is enough to fill 38 million wheelie bins or 90 Royal Albert Halls. In Hounslow alone, almost half of resident's kerbside refuse bins are made up of food waste and over 20% of food found in food waste bins across the borough was avoidable and could have been eaten!



How are we rolling this out?

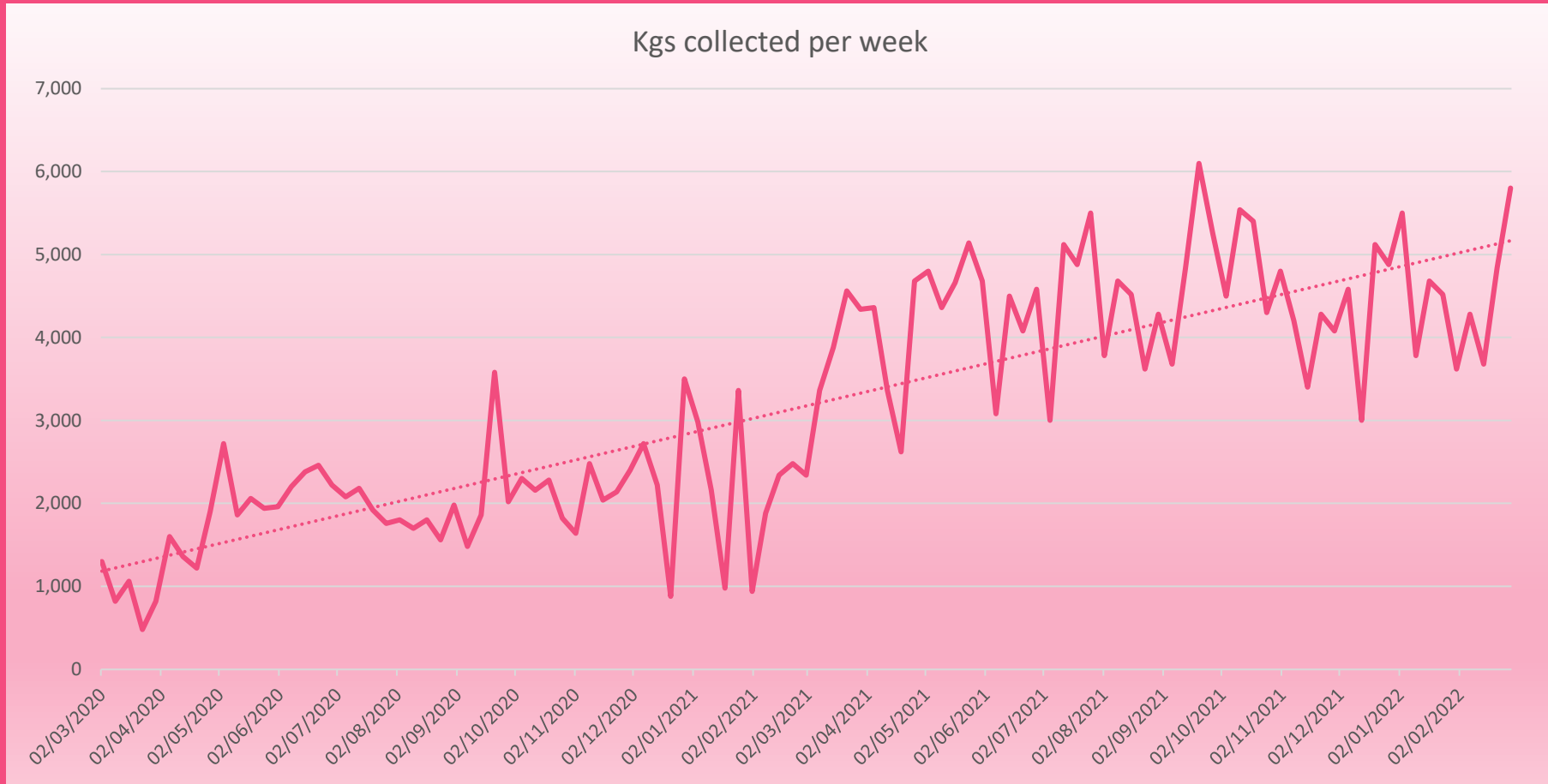
We survey each site to determine whether they are suitable for a food waste collection (available space, vehicle access, engagement from managing agents, requests from residents etc). Once we have completed the survey, we install a food waste housing unit. We deliver a letter to each resident explaining how to use the service, an information pack, a small food waste caddy and a roll of liners.



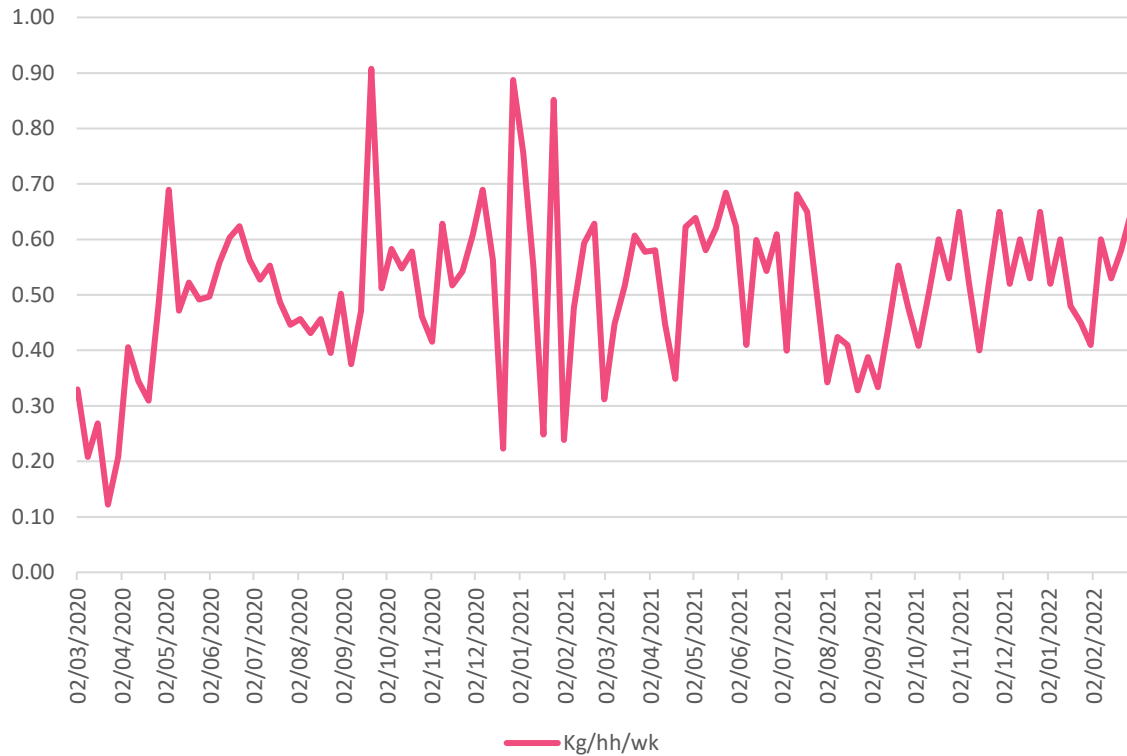
How do we use the data to improve the service?

We have installed 'fill level bin sensors' inside the housing units to monitor use and collections. The sensor will automatically indicate when the bin is nearly full, so that a vehicle can be dispatched in good time to make a collection. Daily tonnage reports from Transport Avenue indicate how much food waste has been collected on each round

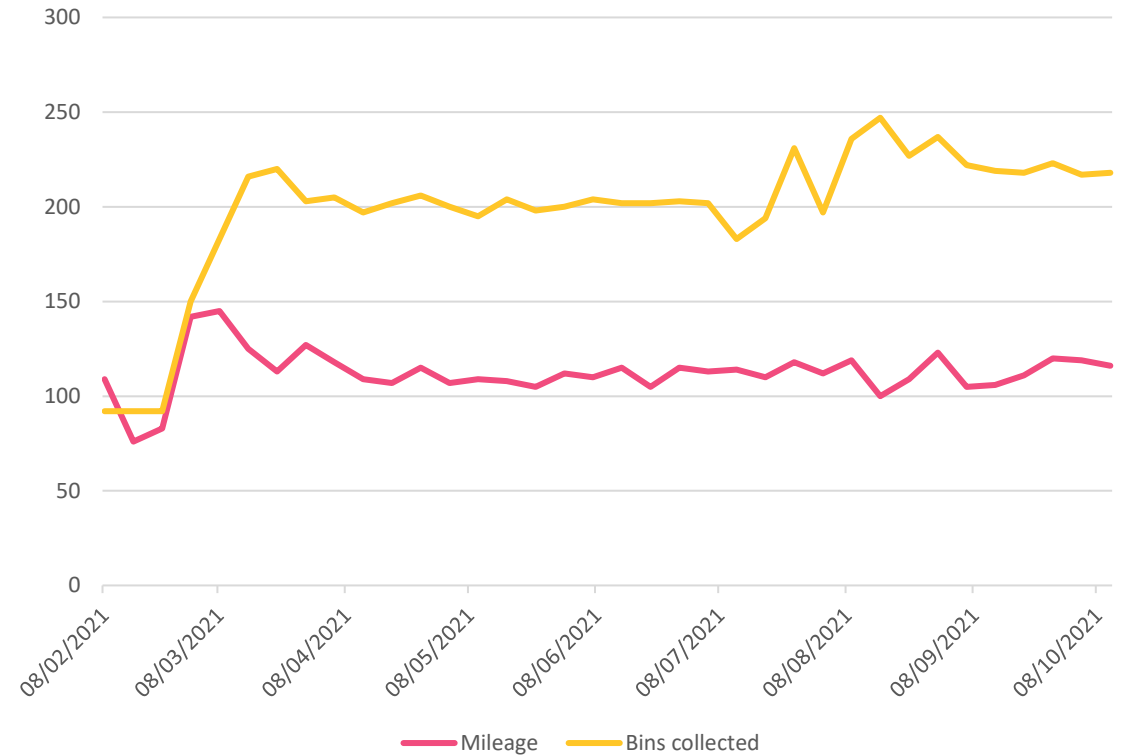
- This data helps us to understand levels of participation in food waste recycling across the Borough so that we can take action to improve the service in low participation areas.



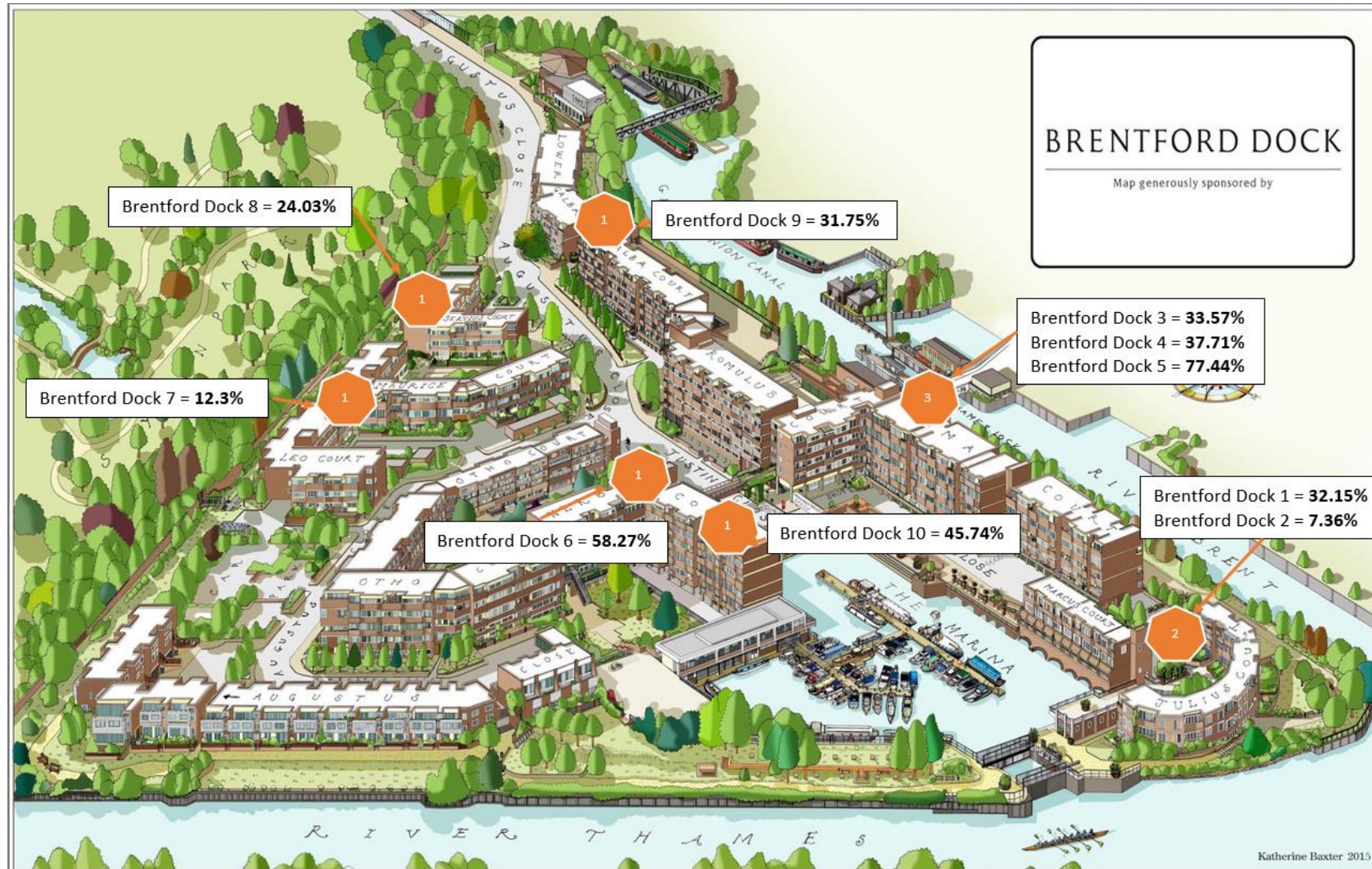
Kg/hh/wk



Bins collected vs driven mileage



Refresh project at Brentford Dock



The Challenge

Brentford Dock had a mixture of participation across the estate and as a result we decided to work closely with residents to find out why. We asked them to share their thoughts with us to improve the service. Leaflets were distributed to all residents across the estate with QR code directing residents to the survey page. This survey helped us to understand potential barriers and gave us a better understanding on what we might be able to improve across the estate. Residents were also given the opportunity to order a new or replacement food caddy if needed.

BRENTFORD DOCK!
DO THE RIGHT THING. DISPOSE OF FOOD WASTE RESPONSIBLY.

ANSWER OUR BRENTFORD DOCK SURVEY FOR A CHANCE TO WIN A £20 GIFT VOUCHER!

HELP US MAKE YOUR SERVICE BETTER!

West London Waste
Treating waste as a valuable resource

Food

WHY SHOULD I RECYCLE MY FOOD WASTE?

Did you know that a third of your black bin waste is food waste? You have the power to change this! Instead of putting food waste in your rubbish bag recycle this in your food waste caddy!

This small change can make a big difference and can help improve the environment – recycled food waste can create green energy, biogas and fertilisers!

NEED A CADDY? ORDER ONE HERE!

WHAT HAPPENS TO MY FOOD WASTE ONCE IT IS COLLECTED?

Once collected as part of your weekly recycling collection your food waste is taken by a specialist contractor to an anaerobic digester facility in Mitcham where it produces methane gas and bio-fertiliser.

- The methane gas is classified as renewable energy and is used to generate electricity and heat – which goes back into the national grid.
- The bio-fertiliser is used by farmers to replace artificial fertilisers, which have a significant environmental impact.

London Borough of Hounslow
West London Waste
Treating waste as a valuable resource

ANSWER OUR BRENTFORD DOCK SURVEY FOR A CHANCE TO WIN A £20 GIFT VOUCHER!

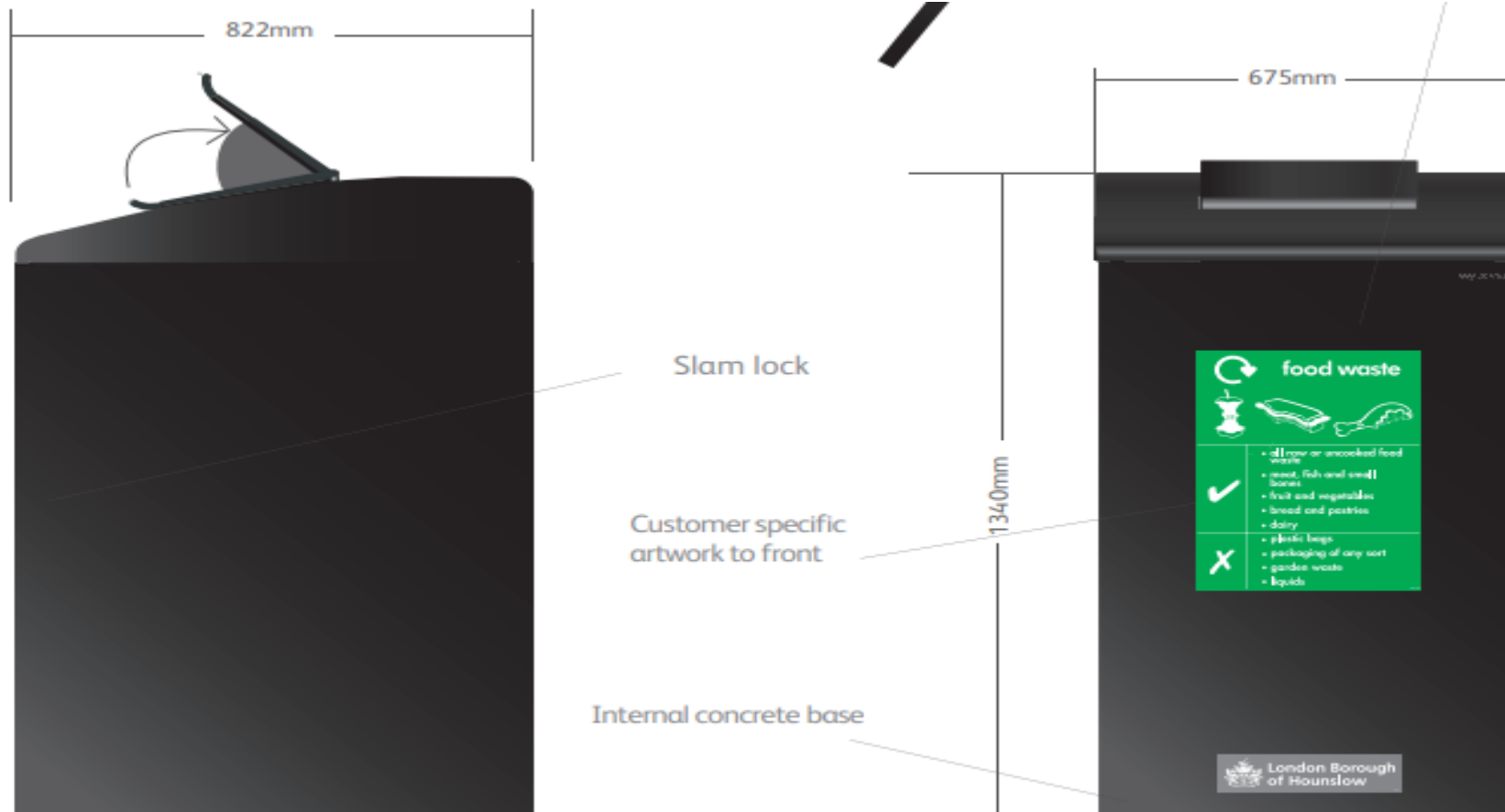
HELP US MAKE YOUR SERVICE BETTER!

FOR MORE INFO VISIT WWW.HOUNSLOW.GOV.UK/FOODWASTEFACTS

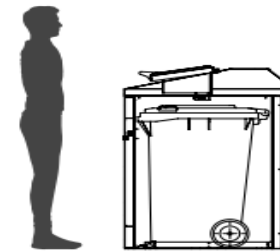
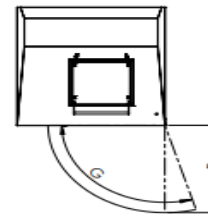
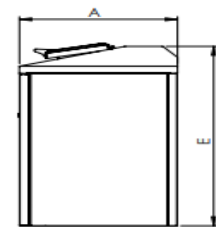
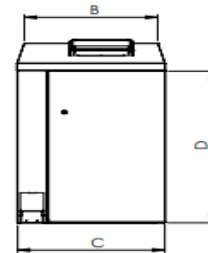
New Design Idea

- Throughout the project we have been receiving feedback from residents participating in the food waste project. Residents have asked us to improve the bin housing unit as some residents did not feel comfortable using the door handle to dispose of their waste. We decided to explore other options and our current supplier has designed a unit which operates with a pedal allowing residents to dispose of their food waste without lifting a lid.
- As part of the next phase, 20 sites with existing food waste units will have a pedal unit installed. This will allow us to understand whether or not a pedal unit has helped us to improve the service by comparing the data tonnages from before and after the installation.

Hand lever unit



Pedal lever unit



We listen

In order to encourage more residents to use the food waste service and to make the bin areas more pleasant for residents, we are starting a bin wash service. From April we are starting a bin swap service at each collection point. Every internal food bin will be removed from the site and replaced with a clean bin.

The full bins will be taken to the transfer station emptied and washed.

Our aim

Our ambition is to provide a food waste recycling service for all households in the borough no matter the property type. All houses have this service already and we have set a target of 24,000 high-rise properties across the Borough by June 2022. This is c.75% of our flat properties. The remaining 25% will be surveyed during 2022/23.

Currently the average yield per household is 0.5 kg food waste per week which we believe can be improved. We are aiming to collect over 1 kg of food waste per household and in order to achieve this, we will be working closely with residents, MA's and other stakeholders in order to remove obstacles, encourage use and make it as easy as possible for residents to dispose their waste the right way.