Consultation



This document is available in Welsh / Mae'r ddogfen hon ar gael yn Gymraeg











Cllr Michael foreword

Our draft recycling and waste strategy has been split into 7 key headline aims. These aims represent the range of actions that we need to take over the next 4-5 years, to achieve our statutory recycling targets and maintain Cardiff as a leading recycling City.

You may wish to provide your views within each section, or there may be certain aims that you're more interested in providing a comment on. You can choose which sections, and questions you'd like to answer.

These aims are:

- 1. Improve material quality we aim to improve the quality of the recyclable material collected, to provide high quality material to local re-processors. This could be achieved through an expanded recycling collection from kerbside properties, alongside increased support and education for residents.
- 2. Increase recycling participation and capture of priority materials we need to make sure that we're doing all we can to encourage recycling as a priority, through all services provided. We will also consider whether a further restriction on general waste collections will encourage increased use of food waste, recycling and hygiene collections.
- **3.** Increase opportunities for communities and residents to recycle we will work to increase the range of materials we can recycle in Cardiff. Alongside this, we will look to provide convenient community locations to recycle smaller items.
- **4.** Make use of all available data, to develop targeted actions Cardiff's vision is to be a smart, data led city. We will make seek ways to modernise the service, and ensure our data is available and accessible for all to view.
- **5. Reduce single use plastics** in line with our vision to be a One Planet Cardiff, we will look to reduce single use plastics through our buildings, and through the collection services we provide.
- **6. Encourage and support the prevention, reuse and repair of materials** this strategy will aim to provide an increased focus on the waste hierarchy, through partnership working with community groups and organisations, alongside the opening of a re-use shop.
- 7. Contribute towards developing a circular economy within Wales everything that we do aims to contribute towards the national objective of One Planet, Zero Waste by 2050. We are already doing some great work here, with the one of the first electric refuse collection vehicles within Wales and we want to expand on this work throughout the cycle of the recycling and waste strategy





Contents



Section 1- Improve material quality

A recent analysis of the material collected from green bags within the City identified that:

- 23.7% of items placed into green bags, collected from the kerbside were incorrect
- 41.4% of items placed into green bags, collected from blocks of flats were incorrect

Whilst our process is able to segregate small items of contamination, for example the incorrect plastic type, the range of 'dirty' material being included in a real issue. For example, food waste, nappies and even medical waste.

For this reason, we lose 30% of the material we collect for recycling, and it is used as fuel to create energy rather than used as a resource and made into new products. To put scale to the issue, that's over 10,000t of material lost in 2019/20. That's the weight of 10,000 giraffes!

While educating residents and enforcing correct use by issuing £100 Fixed Penalty Notices can play a part in changing behaviour, we know that an overhaul and expanded recycling service is required. Staying as we are is not an option.

Further separating materials will improve the quality of items collected. Choosing a container that is not single use, and needs to be returned to a property, will encourage residents to use them correctly. It's also a more sustainable option.

Where collection crews leave recycling containing incorrect items currently, bags are often left on the pavement and attacked by pests. This leads to litter over the floor.

The container type chosen will assist our collection crews in being able to far easier identify if incorrect items have been included, whilst being more resistant

to attacks from pests.

We have considered 2 expanded recycling collection options that are available to us, which are briefly summarised as:

- Full kerbside sort- this option requires the full separation of all recyclable materials, with 4 separate containers provided for glass, paper, cardboard and tins/cans/plastic bottles, tubs and trays. All recyclable materials, including food, are collected on a single collection vehicle and sorted into their own individual compartments on the collection vehicle
- 'Three stream' collection- this option still requires the separation of material, but paper and cardboard is mixed together. Residents will have 3 separate containers for glass, paper/cardboard and tins/cans/ plastic bottles, tubs and trays. Recycling is collected on one vehicle, and food waste is collected by a separate vehicle.

These options are explored in more detail on page xxxx of the recycling and waste strategy.

After considering these options, and on balance with the challenges faced within an urban City (more of these challenges can be found on page xxxx), we will be trialling a new collection and improved collection method across 4,000 properties across the City. This collection will involve 3 containers being provided, which is the 'three stream' collection option:

- A red re-useable sack for paper and cardboard
- A blue re-useable sack for tins/cans and plastic bottles, tubs and trays
- A glass caddy for glass bottles and jars

These will all be collected weekly.











4	If we were to provide alternative containers for your recycling across the City, which would you prefer:			
	Re-useable hessian sacks	A mixture of all		
	Recycling boxes	Oon't know		
	Recycling caddies	Other		
5	How do you currently stor collection?	e your recycling before		
	Keep full bags inside until collection day	Put items straight into green bags outside		
	Line a bin with a bag, and keep it in a bin	Store bags outside once they're full		
	until collection day	Other		
A CONTRACTOR OF THE PARTY OF TH	Do you recycle every wee	k?		
	Yes No			
	If yes, rank the below, in order of your	priority motivations to recycle		
	It's more practical, with recycling collecte	ed every week		
	I'm told I have to			
	It's 'the norm'			
	Materials should be used again			
	Recycling saves energy			
	Recycling brings in income to local author	rities		
	Recycling increases job opportunities			
	To contribute towards reducing the impa	ct of climate change		





Take it to a Household Recycling Centre

I don't know





Thinking about the materials you recycle in your green bags, and how much you produce, how often do you think you would need a collection?

Material	Weekly	Once a fortnight	Monthly	Don't know
Paper				
Cardboard				
Tins, cans and aerosols				
Plastic bottles, tubs and trays				
Glass bottles and jars				

8	Where do you go to acce the correct materials to p Cardiff Gov app Cardiff Council website Look on the green recycling bags Contact Cardiff Council digitally	
9	If you don't know whethe in your green bags, what	er an item can be recycled do you do with it?

Put it in the green bag anyway

Put it in my black bin/red striped bag

Make every effort to find out how to recycle it





10	Do you think the Council does enough to inform residents about how and what to recycle?
	Yes No
	If no, or if you have any comments, how could we improve this? You can tick more than one answer
	Increased outreach sessions in community locations
	Work with communities and volunteers to help deliver messages
	Make better use of social media, and other digital platforms
	Improve the range of languages that information is available in
	Deliver more leaflets/letters to households
	Work with children, including schools and youth clubs
	More face to face door knocking
	Issue £100 Fixed Penalty Notices for repeated incorrect use, to act as a deterrent
	Other
11	Are you aware of what happens to your recycling and waste once it's collected? O Yes O No
12	If no, would you like more information about this? Yes No





Garden waste collections

Garden waste collections are not a statutory duty for local councils to provide free of charge. The pressures of COVID 19, and current availability of HGV drivers nationally, has meant a number of delays to collections over the past 18 months. We thank you for your continued patience.

In 2019/20, it cost \pounds 95,000 to process incorrect material from within our garden waste collections. We provide a garden waste collection for grass cuttings, non-invasive weeds, trimmings and foliage. However, we regularly find items such as general waste, green recycling bags, garden furniture and nappies when the garden waste load is being processed.

This means the load needs to be sorted, which costs us both financially and environmentally if we lose this material to the energy recovery facility.

From analysis, we know that on the whole, incorrect material is coming from areas that use green wheeled bins. Incorrect material is being 'hidden' at the bottom of the bins, so our collection crews are unable to reject the bin for collection.

We need to consider all options to improve this situation, and we would like to understand your views.

Do vou use your garden waste collection?



Do you use your garden waste collection.			i waste collection.	
	\bigcirc	Yes	\bigcirc	No
		ch of these do ections?	you	use for your garden waste
	O G	reen wheeled bin		I don't use a garden waste container
	O w	/hite re-useable sacks		



If you use your garden waste collection, how often do you put your garden waste out for collection?

-		m	۱n	n	ei
$\mathbf{-}$	ч	ш	ш	ľ	CI

Every fortnight	Once every couple of months
Once a month	I don't use garden waste collections

Winter



Each monthly collection

Just in October/November as the garden dies back

Once every couple of months





Before the challenges of the past 18 months, we would move to a monthly collection in October. We recognise from feedback that this is often too early to accommodate leaf fall, and the end of the gardening season. If we were to provide fortnightly garden waste collections up until the end of November, do you agree that you could cope without a collection in December, January or February? We would provide additional services to collect Christmas trees

(Yes	No	I don't use garden waste collections
	Yes	U No	I don't use garden waste collections

11 Councils in Wales currently charge for the collection of garden waste. By charging for the collection of garden waste, on a subscription basis, Councils are able to ensure they are only visiting the properties that need a collection. This makes collections more efficient, and provides a better service for residents with a reduction in potential delays to the service. In Cardiff, we visit 135,000 households over a fortnight, but we know that on average across the City, only 12% of properties put out their bin every collection. This reduces to 2% over the winter months.



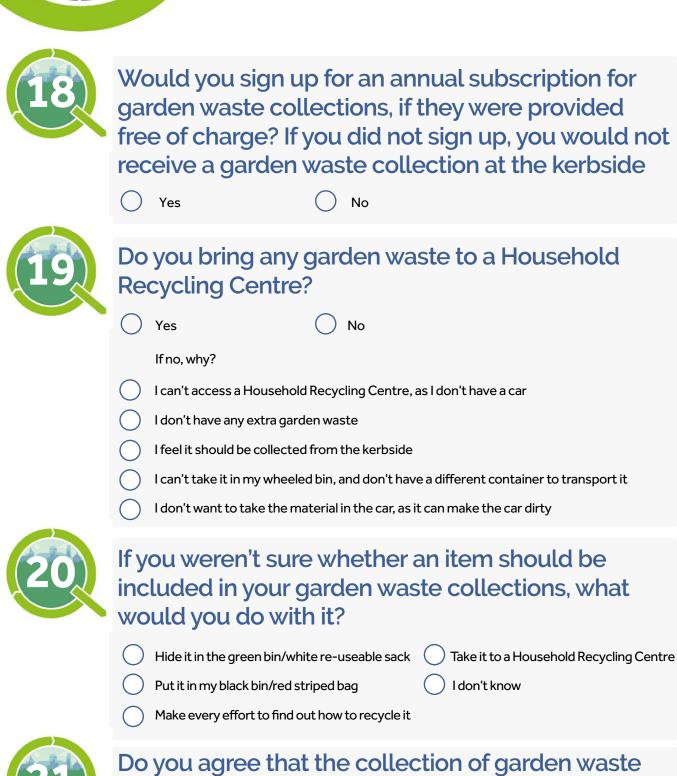
Do you think we should introduce an annual charge of £35 for fortnightly garden waste collections, between March-November? This would be approximately £1.80 per collection. Residents would need to sign up and pay each year.

	vember? This would be app sidents would need to sign (kimately £1.80 per collection. and pay each year.
0	Yes	0	No
lf yo	bu have said yes, why? I would rather pay for a kerbside collection than have to take my garden waste elsewhere	Ifyo	ou have said no, why? I don't have enough garden waste to pay for collections
0	Not everyone has garden waste at their properties, so those who do should pay for a collection	0	I would just use my black bin/red striped bags I would rather take my garden waste to a Household Recycling Centre for free
0	It would make collections more efficient It's not a statutory service, so I'd like to see money invested in other services rather than garden waste collections	0	The material should be collected for free, as it contributes towards recycling rates I could not afford this fee











should be temporarily removed from a property, if they are misusing the service? Education and advice would be provided first

$\overline{}$		
Yes	() No	() Don't knov



In Cardiff, we are currently recycling 58% of our material. This falls short of our statutory target of 64% and we are not seeing the year on year increases required to meet 70% recycling by 2025.

We know there is more we can do, improving recycling rates not just from households, but also looking at other operations. For example, our trade waste collections, household recycling centres and street cleansing.

We also need to look at food waste. Food waste is a key contributor towards climate change. 30% of the food we produce is wasted. If, as a planet we stopped wasting food, we'd eliminate 8% of our total emissions.

Yes, despite offering weekly collections of food waste, we know that almost 40% of the waste within black bins/



red striped bag is still made up of both avoidable, and unavoidable, food waste.

If your food waste is avoidable, we'd like to work with you to help you understand how to stop wasting food, working with partners like WRAP Cymru and their Love food Hate Waste Campaign.

But, where food waste is unavoidable, we need you to recycle it. Food waste is a resource, and when processed is used to create energy to power Cardiff homes!

If we could divert all food waste from our black bins/red striped bags into the weekly food collection, we could see a performance increase of around 2%!





FOOD WASTE COLLECTIONS

1	Do you participate in food waste collections? No
	If not, why not?
	Don't have the equipment I need
	I live in a flat, and there is no food waste collection
	I don't waste any food, and home compost
	I can put it into my black bin outside, where it won't smell
	It's dirty/unhygienic
	I wasn't aware there was a food waste collection
	Other
2	If you do participate in food waste collections, how often do you put your kerbside caddy out for collection? Every week Every fortnight I don't take part in food waste collections
3	If you recycle food waste, what motivates you to do this? Rank the below, in order of your priority motivations to recycle
	It's more practical, with food waste I wouldn't have space in my black bin/red
	collected every week striped bags if I didn't
	I'm told I have to To contribute towards reducing the
One	It's 'the norm' impact of climate change
Planet Waste	Recycling food creates energy

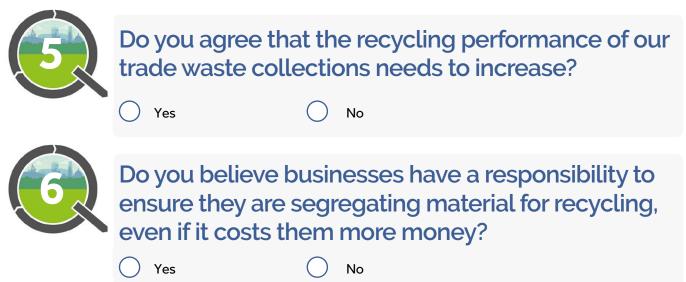




What would encourage you to participate, or participate more regularly in food waste collections?

	(you can choose more than one answer)
	Nothing- I already take part weekly, and could do no more
	More information and education provided about how to take part in the service
	Risk of receiving a £100 Fixed Penalty Notice if I don't take part
	Reduced black bin/red striped bag collections e.g. moving to a 3 weekly collection/
	reducing bin size/limiting to 2 red striped bags per collection
	Understanding the benefits of participating, for example the carbon impacts
PROV	ING RECYCLING PARTICIPATION IN BUSINESSES

Cardiff Council's trade team collects recycling and waste from over 3000 businesses in the City. The team offers collections of all recyclable materials, including food waste, paper, glass and cardboard. Despite this, recycling performance is at 40%.





Are you aware that businesses will soon have a legal obligation to separate all recyclable material for collection? (more information can be found at xxxxx)

		100111010107	
) Yes	O No		One Plane Waste





What do you think may be the challenges
businesses face, in separating material for
recycling? (you can choose more than 1 answer)

recyc	cung? (you can choose more than 1 answer)
\bigcirc	Lack of internal storage for separate bins
\bigcirc	Lack of external storage for separate bins
\bigcirc	High staff turnover, to explain the correct use of bins
\bigcirc	Costs
\bigcirc	I don't know

HOUSEHOLD RECYCLING CENTRES

We are now recycling over 80% of material at our Household Recycling Centres. This improvement is due to the improved controls, including the booking in system which has deterred traders from illegally disposing of material, and the strong no mixed waste policy now being applied to all users. We thank all residents for embracing these controls, and making our Household Recycling Centres one of the best performing within Wales.

9	Do	you use	House	ehold Recycling Centres?
	\bigcirc	If yes, which Lamby Way	centre do y	you most regularly use? Bessemer Close



Households are currently limited to 30 visits per year (on average, 2 visits per month). Is this allowance enough for your needs?

Yes	() N	10







Do you have any further comments in relation to Household Recycling Centres?

1	

Are you aware that we have a re-use shop, The Cabin, based at Lamby Way Recycling Centre?

Yes	

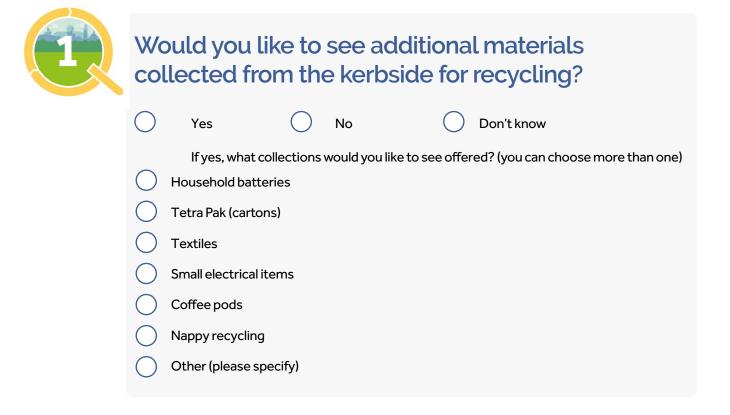
Planet





In order to increase our recycling performance, we need to make recycling as easy and accessible as possible for our communities. WRAP's National Recycling Tracker survey 2020 identified that 15% of respondents believed that local council's do not collect enough things for recycling.

We'd also like to be able to support the ability to recycle, without the use of a car. We'd like to increase the provision of local recycling outlets, to prevent barriers and support active travel across the City.











ite & h	Would you like to be able to recycle smaller items, for example small electrical items & household batteries, locally within your community. For example, within local Hubs?						
\bigcirc	Yes No Don't know						
	If yes, which items would you like to be able to recycle?						
\bigcirc	Household batteries Small electrical items						
\bigcirc	Tetra Pak (cartons) Coffee pods						
\bigcirc	Textiles Other (please specify)					r (please specify)	



Are you aware of Terracycle initiatives, to recycle 'hard to recycle' items such as crisp packets, cleaning products, food pouches (link to Terracycle website)

\bigcirc	Yes	No

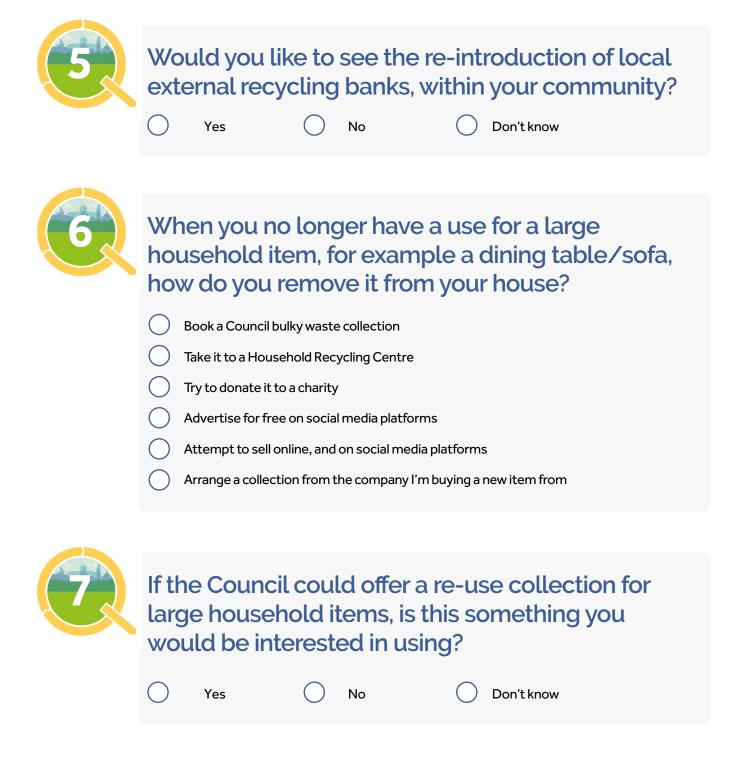


Local external recycling banks, for items such as glass bottles and paper have been removed in recent years, due to incorrect usage and fly-tipping. When these recycling facilities were available, did you use them?

Yes	()	No
. 05		



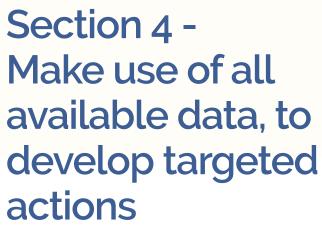












Through our Capital Ambition, Cardiff has identified its vision to be a Smart City. One of our missions is to be a 'data-driven city' using data to improve decision making, provide better services and promote innovation in the City. We will also work to identify sources of data, within the recycling services operation, that we can further publish in line with the open data strategy. This includes

areas such as education and enforcement action statistics, as well as promoting the open data available in relation to recycling and material destinations including stats wales and information published from waste data flow at www.myrecyclingwales.org.uk





\bigcirc	Yes On't know
	If yes, what sort of information would you like to see in the public domain?
\bigcirc	Recycling performance
\bigcirc	Where recycling materials are sent to be processed, and their end destination
\bigcirc	The breakdown of material collected e.g. what material is within green recycling bags,
	black bins etc
\bigcirc	Contamination levels

Do you think it's important to more openly share

data about recycling and waste services?

Education and enforcement activities

Number of household collections provided

Street cleansing statistics

Other

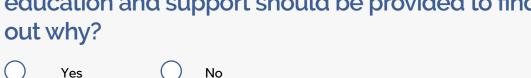






Do you agree that there should be regular on street analysis, to determine which households are taking part in recycling services? This would help target residents who may require additional education

	\bigcirc	Yes	\bigcirc	No	C) Don't know	
3	Whe	ere it is ic recycling	dentif g coll	ied a l ection	nouseho service	old is not t e, do you a	taking part agree that led to find





Where education and support has been provided, and a property continues to not participate, do you agree that formal enforcement notices should be issued requiring the household to take part?

Yes No Don	n't know
------------	----------



Do you agree that the Council should embrace new technologies, to improve our services. This could include technologies such as litter bin sensors, mobile working devices, on vehicle bin weighing equipment etc



Yes No Don't know

Section 5 -Reduce Single Use Plastics

Cardiff's One Planet Strategy proposes a wide range of ambitious actions that will begin to form the basis of a delivery plan to achieve Carbon Neutrality. Within this, there is a commitment to reduce the Council's use of Single Use Plastics, and the recycling and waste service is integral in developing and implementing an action plan for Single Use Plastics.



We currently issue 24 million single use green recycling bags across the City, for the kerbside collection of dry recyclables. As mentioned within Section 1, we recognise the recycling collection service needs to be reviewed not only to improve material quality and increase recycling rates, but to also significantly reduce our carbon impact in terms of single use plastics.



xxx). Would you return your items if a deposit return scheme is introduced within Cardiff?

Yes No Don't know If no, what would you do with your items?

Continue to use kerbside recycling schemes

Move towards re-useable containers, to avoid increased fee on purchases

Continue to use litter bins for 'on the go' items

I don't know





4	iden	tifying loo (link to w	catio	ons that prosite)	nru, and its apported a	
		Yes		No	○ Iam now	
5	throu	•	ardif	f, for exam	ased re-fill zor iple water sta	
	\bigcirc	Yes	\bigcirc	No	Oon't know	
6	reluc	ctant to re	e-fill,	with a pre	made you mo eference to mo ble items?	
	\bigcirc	Yes	\bigcirc	No	Oon't know	
7	supp		ives		cil could reduc ce single use	





Welsh Government's Beyond Recycling strategy states 'In order to move to a circular, low carbon economy we will need to reduce the amount of waste produced by households, businesses and the public sector so that unnecessary waste is prevented, products are re-used and repair and remanufacturing are a core part of our society'

Our vision is that the actions from Cardiff waste strategy will not just be about achieving statutory recycling targets. Whilst this is a clear priority for Cardiff, we do not want to lose focus of the fact that this performance needs to be generated in a sustainable way. This will be achieved through aims and objectives that not only generate recycling performance, but also those that support waste prevention, reuse and a circular economy.



Do you take participate in any of the following, which aim to prevent waste? You can choose more than one answer

\bigcirc	Use real nappies	
	Love food, hate waste initiatives such as only buying what you need,	
	finding a use for left overs, storing food correctly to enhance lifespan	
	Home compost	
	Shop in zero waste stores	
	Take re-useable shopping bags, and refuse single use bags	
	Choose 'pre loved' for items such as clothes, furniture	
	Take re-fill containers, for drinks, food supplies etc	
	Borrow rather than buy	
	Other (please specify)	











Were you previously aware of the repair options available within Cardiff? Repair Cafes will soon be restarted across the City, and there is a repair directory available at www.repairefficiencywales.co.uk

	Yes	No
\cup	res	INC







The Council is currently working with Repair Café Wales, and Benthyg Cymru to increase mobile repair/borrowing events across the City. Is this something you would be interested in attending?

No

No

Do y
wast
Wast

Do you think the Council should develop a Zero waste map, identifying recycling/re-fill locations across the City?

Yes

Yes

On't know

Don't know



In partnership with Wastesavers, the Council has launched a re-use shop 'The Cabin' at our Lamby Way Recycling Centre. You will be able to donate items that are too good to waste, which will be sold back to communities at a small cost. As well as creating 30 jobs within the South East Wales region, the operation is also supported by 100 volunteers. Will you donate items, and/or shop at The Cabin?

\bigcirc	Yes - I'll do both
\bigcirc	Yes - I will shop there
\bigcirc	Yes - I will donate there
\bigcirc	No
	Don't know







Section 7 Contribute towards a circular economy within Wales

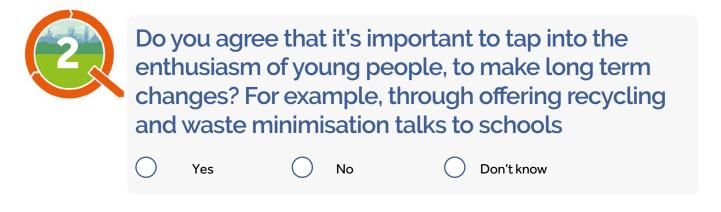
As stated in Beyond Recycling 'The Government cannot bring about the transition to a circular economy alone.' We recognise the individual actions play a big part in this transition, and will work with our residents and other stakeholders to recognise their contribution.

As a Council, we also have a clear responsibility to work towards this goal, with much of our corporate

vision outlined within our One Planet Cardiff strategy. One of the areas we are working on is reducing carbon emissions, by considering the use of electric vehicles within our vast collections and cleansing fleet. We currently have 17 electric vehicles across the service, and are one of the first Welsh local authorities to have an electric Refuse Collection Vehicle (RCV).



Cardiff is committed to being a child friendly city, and we are already working with our child friendly city teams, in making young person's ideas a reality. We are doing this by expanding Terracycle points throughout the City and painting a community mural at the Recycling Centre designed by children.







Cardiff Council is a partner of Caru Cymru, a Keep Wales Tidy initiative which aims to inspire everyone to take action and take care of the Environment. The vision is for Caru Cymru to be interwoven into life in Wales, so it becomes second nature to 'do the right thing'. This could mean taking litter home, recycling 'on the go', cleaning up after your dog.

We are so lucky in Cardiff to have a comprehensive network of passionate volunteers through the Love where you Live campaign.

3	Have you volunteered to improve the local environmental quality of your area in the past?					
	\bigcirc	Yes	\bigcirc	No	\bigcirc	Don't know
	0000	I'm a Love wher I'm a Keep Card I'm part of a cor	e you liv iff Tidy nmunity	part in the volunto ve Litter champion Litter champion y group e.g. Keep o ity and got involve	n Grange	
4		ıld you lik ardiff? _{Yes}	e to	learn moi	re al	Don't know
5	Do you agree that a deposit return scheme should be launched in Wales, to reduce the impact of litter on the Local Environment. As part of this scheme, you would receive money back if disposable bottles were returned to a deposit return point. Please remember, this is a scheme that would need to be introduced by the Government in Westminster, and not Cardiff Council					
	\bigcirc	Yes	\bigcirc	No	\bigcirc	Don't know