

Circular Economy & Sustainable Procurement



Under business as usual, meeting
England's housing targets
of 300,000 new homes a year will
consume 104% of our
carbon budget.

The new government plans to build 1.5 million homes in the next 4 years.

A circular economy can help us meet our carbon budget.

What's on the agenda?



- Context within the climate emergency
- Approach and focus areas
- The Council's commitment and role
- Opportunities to lead

Circular Economy

LINEAR
ECONOMY



RECYCLING
ECONOMY



CIRCULAR
ECONOMY



Our 6 Rs for Circular Economy

Rethink

Reduce

Repair

Reuse

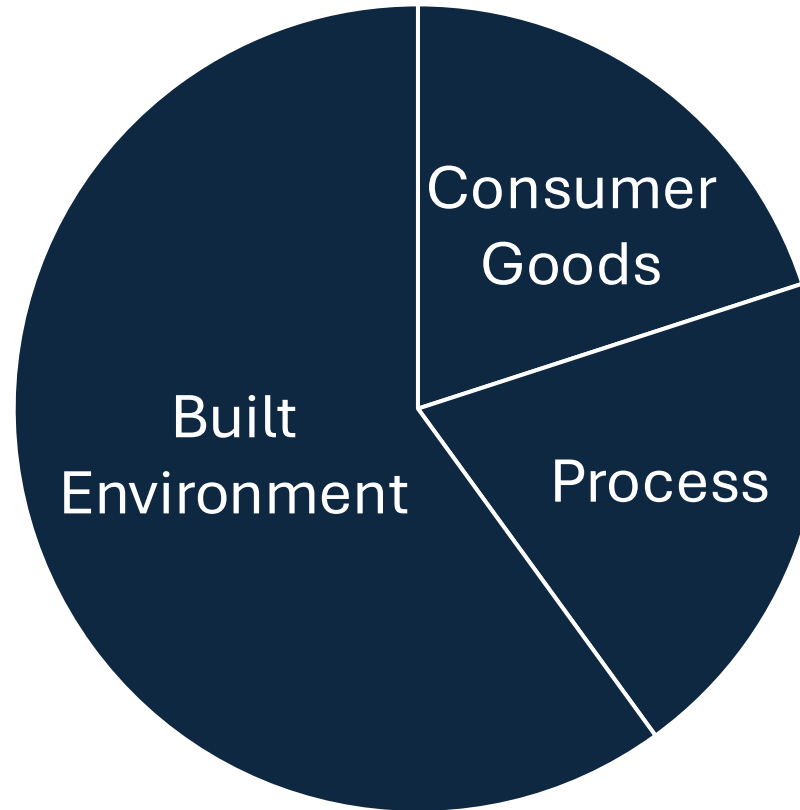
Redistribute / share

Recycle

Circular Economy

Resources and materials for buildings and infrastructure e.g

- Aggregates
- Cement
- Steel
- Insulation products
- Fixtures & fittings



Things we buy and use

- Food
- Textiles and fashion
- Plastics (packaging)
- Electricals and appliances
- Furniture

Enabling and motivating sustainable choices through policy and procurement

Our progress

Built Environment

- Embodied carbon
- Pan-London collaborative working
- H&F service delivery
 - Highways
 - Regeneration & Development



Traditional Build



Cross Laminated Timber



Consumer Goods

- Key themes
- H&F Electricals theme lead

FOOD



- Nourish Hub
- Food procurement
- Food waste service

PLASTIC



- Mudlarks projects
- Eco refill
- Drinking water refill

TEXTILES



- Clothing swap events
- TR Aid collections

ELECTRICALS



- Fixing events
- Pilot repair voucher scheme

Process



Hammersmith & Fulham
PLANNING GUIDANCE
Supplementary
Planning Document

West
London
Alliance



Report to: Cabinet
Date: 07/03/2022
Subject: Adopting the WLA low-carbon procurement policy
Report of: Councillor Wesley Harcourt, Cabinet Member for Environment
Report author: Jim Cunningham, Climate Policy and Strategy Lead
Responsible Director: Sharon Lea, Strategic Director for Environment

SUMMARY
This paper seeks approval to adopt the West London Alliance (WLA) low carbon procurement policy (the policy). This has been developed collaboratively by H&F and eight West London boroughs, and presents a unified expectation of suppliers for council contracts on tackling the climate emergency across the subregion.
A charter with suppliers accompanies this, for inclusion in all new tenders, and for circulation to existing suppliers to encourage them to sign up to the same principles. A toolkit has also been developed to support commissioning and procurement officers to adopt climate considerations into all procurement.

RECOMMENDATIONS
That Cabinet:
1. Adopts the West London Alliance low-carbon procurement policy.
2. Approves the inclusion of the accompanying low-carbon charter in all future tenders as a precondition for successful tenders.
3. Approves that the charter be sent to all current suppliers to encourage them to voluntarily agree to its principles.
4. Approves the inclusion of climate impact considerations in the development and evaluation of all future procurements, supported by the low-carbon toolkit and other support and advice available from the climate unit and elsewhere.

Wards Affected: All

**Climate
Supplementary
Planning Document**

**Low-carbon
procurement policy,
charter and toolkit**

Climate implications toolkit

This toolkit is a self-assessment to help officers think about how their projects, procurements, commissioning, and services can align with H&F's net zero carbon target and sixth council value: "Rising to the challenge of the climate and ecological emergency". It also supports report authors to draft the climate implications section on decision reports, now required on decisions over £300,000 and procurement strategy reports.

How to use the tool
The self-assessment is intended to help officers reflect critically on their project or service's climate impact. We recommend you answer all the questions, even if the answer is 'not applicable'. It is a reflective tool, not a framework for approving or rejecting a decision, so it will work best if each question is considered honestly and carefully.

The next tab presents a set of questions about the initiative or decision against H&F's five 'climate challenges', and a drop-down range of answers. Each answer is colour-coded to indicate its climate impact and recommended way forward as follows:

Colour code	Recommendation
Dark green	Strong positive impacts for the climate emergency. Recommendation to proceed as is with this aspect.
Light green	Some positive impact for the climate emergency. Recommendation to further enhance this aspect where possible and proceed.
Yellow	Some negative impacts for the climate emergency. Recommendation to review these aspects and find mitigations where possible.
Red	Considerable inconsistency with the council's net zero objective. Strong recommendation to review these aspects and find mitigations.
Grey	Neutral or not applicable. Recommendation to consider how benefits could be achieved in this area, but otherwise proceed.

These questions should be considered for services, goods and projects we procure as well as those we deliver directly. Delivery models, specifications and tender evaluation should be shaped to ensure our contractors are aligned with our net zero commitment.

When answering these questions you should consider **direct** and **indirect** impacts. For example, a highways project to install traffic reduction measures might not use electric vehicles or plant in its delivery, but still lead to reduced vehicle use once in place.

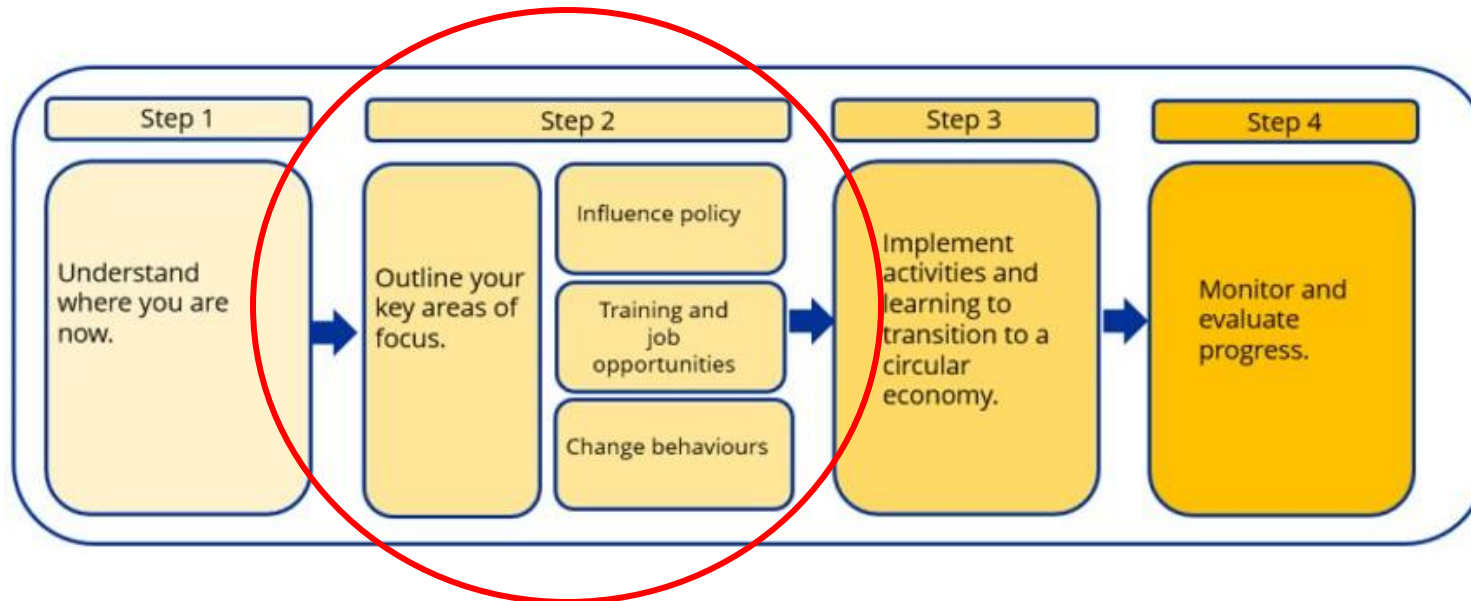
Against each climate challenge, the toolkit presents possible actions to improve the climate impact of the decision.

**Climate implications
toolkit in decisions**

**Opportunities for H&F to be a
leader in resource efficiency**

Circular Economy Transition Plan

Chapter 2 – setting a blueprint to a circular economy model



Built Environment

- Buildings**
 - New developments
 - Existing building renovation and retrofit
 - Repairs and maintenance
 - Demolition
- Highways**
 - Carriageways
 - Footways

Food

- Catering**
 - Civic Campus
 - Events
 - Schools
 - Offices
- Meals-on-wheels service**
- Food waste collections**

Consumer Goods

- Electrical and electronic equipment**
- Fixtures and finishings**
 - Appliances and fitted goods
 - Flooring
 - Furniture
- Textiles and Upholstry**
 - Uniforms
- Plastics**
 - food packaging
- Paper and stationery**

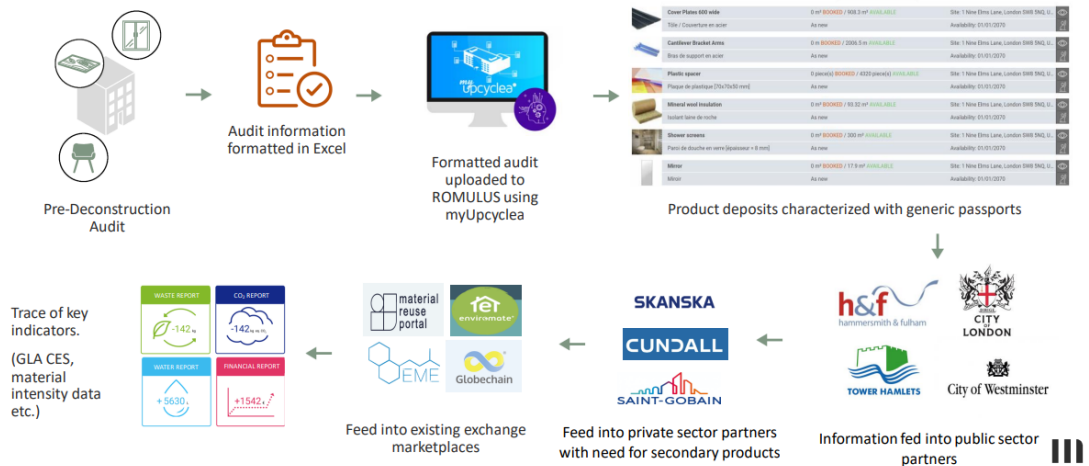
Carbon Management Approach for Highways

Target materials	Short-term achievable actions	Medium-term achievable actions	Long-term achievable actions	Benchmark Target
	<ul style="list-style-type: none"> - Replace concrete with type 1 in areas not experiencing vehicle overloading. 	<ul style="list-style-type: none"> - Transition to replacing Portland concrete with lower carbon concrete alternatives such as GGBS, limestone cements or flyash. 	<ul style="list-style-type: none"> - Transition to replacing Portland cement with low carbon alternatives that are not byproducts of fossil fuels. 	Reduce emissions by 50%
Concrete	<ul style="list-style-type: none"> - When building new footways or carriageways, construct according to flexible pavement designs as default. 	<ul style="list-style-type: none"> - Reduce the use of York Stone to only Town Centres and <u>where</u> currently existing in Conservation Areas. 	<ul style="list-style-type: none"> - Use concrete mixes with reduce cement content. - Replace ASP with warm mix asphalt / high recycle content asphalt in all resident areas (not including Conservation Areas and Town Centres). 	
Asphalt	<ul style="list-style-type: none"> - Replace 50% of asphalt for warm mix asphalt. - Undertake informed material selection, considering life cycle analysis of asphalt surfaces to reduce re-surfacing frequency. 	<ul style="list-style-type: none"> - Replace 80% of asphalt for warm mix asphalt. - Increase the recycled content in all asphalt. 	<ul style="list-style-type: none"> - Utilise bio-binders. 	Reduce emissions by 80%

- Material flow analysis
- Key materials
- Scenario planning

Use less or low carbon materials to reach net zero.

Material Reuse Hubs



- Reused materials
- Supply and demand
- Challenges to overcome



Inventory

PROJECTS

PRODUCTS

Marketplace

VIEWS

Info

PRODUCTS

Search

Filter Sort By ASC

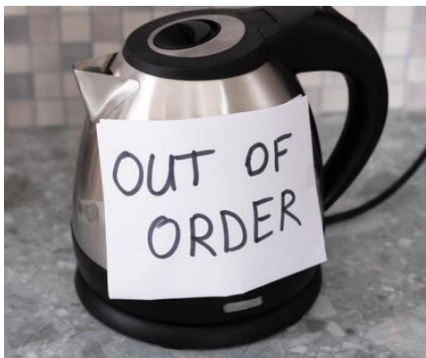
Granite tile
Granite tile extracted from flooring in 3rd floor of d...
Read More

Insulation materials
Diverse insulation materials like roof insulation (1...
Read More



Repair Voucher Schemes

- Collaborate with west London boroughs
- Reduce contract-level GHG emissions
- Improve monitoring and reporting



Updated Low Carbon Procurement Policy



- Collaborate with west London boroughs
- Reduce contract-level GHG emissions.
- Improve monitoring and reporting.

1. Guarantee suppliers deliver carbon reduction commitments.
2. Embed a monitoring and reporting framework in contracts.

Advertising & Sponsorship Policy



- No existing policy for advertising or sponsorship
- Joint policy with Public Health

Prohibit advertising and sponsorship in H&F for

- Fossil-derived products and services,
- Unhealthy food
- E-cigarettes/vapes

Plastic-free Policy Refresh

- Refresh 2018 Plastic-free Policy
- Collaboration with key stakeholders



Refresh existing policy with 10 aims that have not been met into a 15-point collaborative action plan (council, community and OWL programme).

Collaborative partners

Western Riverside Waste Authority

WRWA

Waste prevention

- Communications and education programme
- 95 class visits at Smugglers Way and 2 in-school workshops
- 10 on-site Adult tours and two off-site visits



Reuse

- The [ReWork](#) facility reuse project
- In 2023, Rework refurbished 4500 electrical items
- Staff are employed as apprentices in electrical engineering and maintenance, helping them to gain the experience and skills necessary to embark on a new career



Recycling



WRWA processes co-mingled and separated recyclables at its two waste transfer stations.

- Black bag waste is transported by river to be converted into energy
- Residual ash is recycled into construction materials



What's next?



A systemic approach to implement a range of circular activities.

- Transitioning to a more circular economy
 - Collaboration and communication
 - Achieving Net Zero
 - Delivering best value and preparing for the future
-
- Circular economy specific actions include **increasing reuse** and **supporting skills and social value for reuse and repair**, **education around waste prevention and recycling** and exploring options for a **reuse hub**
 - WRWA officers support wider government interest in circular economy

Collaborative partners

ReLondon



Circular neighbourhoods

**LB Hammersmith & Fulham:
Climate & Ecology Policy and
Accountability Committee**

Tuesday 19 November



Who is ReLondon?

ReLondon is a partnership of the Mayor of London and London Boroughs to make our city a leader in the circular economy.

- **Supporting London's small and medium sized businesses** to adopt or scale circular business models through advice, grants and connections.
- **Empowering & educating Londoners** to revolutionise their relationship with stuff through campaigns.
- **Helping local authorities** rethink plans and policies to support a circular economy through advice and projects.



Heston in the Loop



Transforming relationships with stuff, contributing to wider social, economic and environmental benefits.



Helping the community to waste less and reuse, repair, share and recycle more.



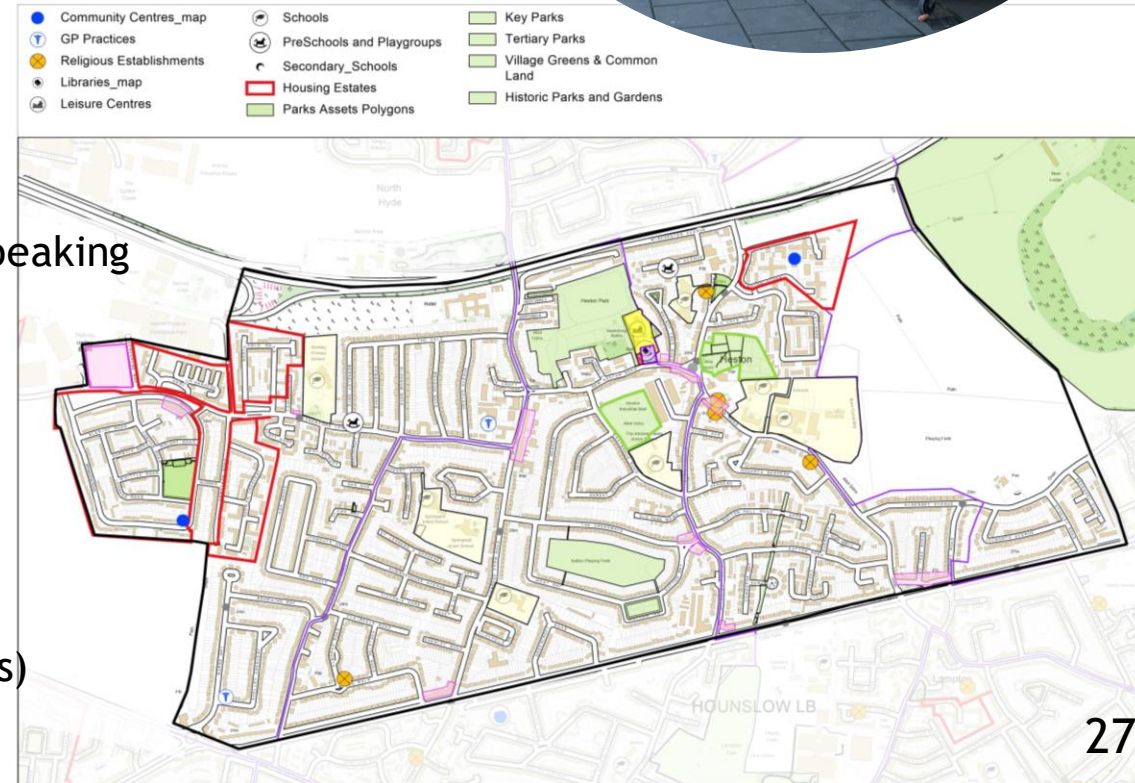
Creating greater community cohesion and boosting the local economy.



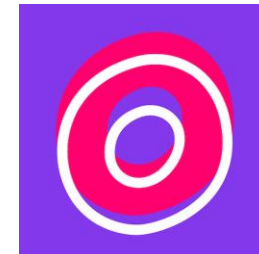
The project area - Heston



Location	London Borough of Hounslow
Population	Approx 25,000
Demographics	62% Asian, 23.3% White, 6.5% Black African/Caribbean/Black British
Languages	60% English speaking, 25.9% South Asian (largely Panjabi) language speaking, 5.4% EU language speaking
Indices of Deprivation	Low to medium
Digital Use	~45% digitally excluded / disengaged
Climate Vulnerability	Medium to high (exposure to flooding/heatwaves)



20 delivery partners



Project branding & communications

London Borough of Hounslow

HESTON IN THE LOOP.

Bringing new ways to save money, help the community and the environment.



HESTON IN THE LOOP



DONATE UNWANTED CLOTHING AND ELECTRONICS

We'll be collecting clothes, textiles and electronics. Working or not, if you don't want it, we'll take it!

London Borough of Hounslow

MAKE A BIG DIFFERENCE. SUPPORT SMALL, LOCAL BUSINESSES.



Keeping Heston in The Loop!
Find out which Heston businesses are involved.

global

DO GOOD. FEEL GOOD.

Sarah got a free jumper through Olio. You gave away a sofa through Peris.



Everyone's a winner. Check out the dozens of ways you can save money, help the community and the environment.

- Free repair events
- Apps to share and receive free stuff
- Well options - eat & drink with less plastic
- Free gardening and horticulture sessions

Find out how to be in the loop at [hounslow.gov.uk/hestoninthe-loop](https://www.hounslow.gov.uk/hestoninthe-loop)

London Borough of Hounslow



Cut down on food waste by giving and receiving surplus food.



Give away things you don't want. Get things you do. For free.

SAVE MONEY. HELP THE COMMUNITY. HELP THE ENVIRONMENT.



Repair, swap and share clothing and electronics.

For more information go to: hounslow.gov.uk/hestoninthe-loop or visit Heston Library



global

GOOD THINGS COME TO THOSE WHO HELP.

Sam's a Food Waste hero. He gets free food through Olio and shares it with the community at local events.



Everyone's a winner. Check out the dozens of ways you can save money, help the community and the environment.

- Free repair events
- Apps to share and receive free stuff
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Find out how to be in the loop at [hounslow.gov.uk/hestoninthe-loop](https://www.hounslow.gov.uk/hestoninthe-loop)

45 volunteers & 3 part-time Advisors





Interventions in action



“We were able to grow across west London more widely as a result of the huge amount of outreach work we did for HITL. This was thanks to the great PR that ReLondon and the Borough of Hounslow were supporting for us.”

- Delivery partner

“What a brilliant initiative. Repair and recycling rather than throw away. Our toaster now has a few more years left. The service was excellent. Thank you so much!”

- Citizen feedback to repair café

“Thanks for the opportunity to get involved and it was fantastic to work alongside the council and ReLondon and our community partners on the programme.”

- Delivery partner

“Course helped increase confidence and self-esteem, improved English and communication skills, felt more active in the community.”

- Citizen feedback

“This was a flagship project for Hounslow, with wider local authority benefits. People across Hounslow knew about it, with other services reaching out for learnings, replication, partnering on future activity because of it.”

- Borough partner

Using stuff again

2,500

Number of repair event attendees

Across nearly 60 repair events inc. a monthly, repair café, sewing machine maintenance course, bike repair events, upcycled patchwork.

Approx. 500 items repaired.

Over 600 bottles refilled at schools & 11 businesses offering refill.

7,000*

Kgs of carbon emissions diverted (*minimum - expected to increase)

Across the project interventions, through material diversion or recycling.

This includes food redistribution via Olio and Too Good To Go (including 3,000 meals from businesses in Heston) and the collection / recycling to difficult materials such as candles, hair, used foils.

Growing

250

Session attendees

Horticultural sessions attracted over 250 attendees over 36 sessions, gaining new skills and increased confidence to grow their own food.

Sharing & renting

3,000

Items shared

Renting & sharing platforms:

700 unique users across six apps

More than 3,500 items listed & almost 3,000 shared (equivalent to ~£10,000).

11,584

Click throughs

To either the Heston in the Loop webpage, or a delivery partner webpage, via social media adverts.

1.8 million

Impressions on Meta

There were six core comms waves across the project, together with ad hoc advertising throughout.

The project achieved excellent results via social media despite small targeted area, budget and high-levels of digital disengagement in the community.

20+

Local businesses engaged & involved

11 business sign ups to offer free water refills / promoting refillable coffee cups & food containers.

12 businesses redistributing **3,000 bags of surplus food** via Too Good To Go.

2 businesses signed up to A Good Thing to share unwanted items with local charities.

5 hair salons delivered circular practices via Green Salon Collective.

3,158

Conversations taken place

Held with residents, community groups and local businesses via Project Advisors - to promote the project and the interventions, with a structured engagement plan.

Attitudinal & behavioural insights survey with 200+ citizens

Results demonstrate improved levels of understanding of how and why a CE lifestyle would or should be adopted.

Evidence of behaviour change and some residents making consumption choices that may not previously have been available.

1

79% of respondents were aware of at least one of the project interventions.

Highest awareness for shops and cafes offering refill options.

2

Significant reductions in residents citing barriers to implementing CE behaviours including

- lack of knowledge to repair

(55% to 14%)

- access to repair facilities

(27% to 15%)

3

Under how my daily activity could affect climate change

(56% to 80% agree).

Prepared to make changes to lifestyle in order to reduce environmental impact

(16% to 42% strongly agree)

4

Under how climate change could affect my daily life

(61% to 83% agree).

Coming next...

Aim

To develop a **replicable model** for a **circular food community** in London, embedding interventions that **increase residents' consumption of low carbon food** and **reduce food waste**

Outcomes

Increased consumption of affordable low-carbon foods by households

Reduced edible food waste by households

Replicable community-based solution to drive sustainable food behaviours in households



Community café & pantry

Community café in community centre; subsidised low-carbon meals, using surplus food

Community pantry in community centre; subsidised low-carbon foods, using surplus food

Cooking classes; to upskill residents in plant-based home cooking

Local business activity

Chef training for local restaurants; recipe changes & portion sizes

Hospitality business owner training; menu changes & customer choice

Surplus food redistribution; sign-up to Too Good To Go app

Healthy Start voucher scheme; increased business uptake

School activity

Menu changes to further reduce meat & service changes to improve positioning plant meals

School chef training to inform & upskill in plant-based cooking and meal service

Student education; lessons & tasting classes

Schools food procurement contract review

Comms campaign activity

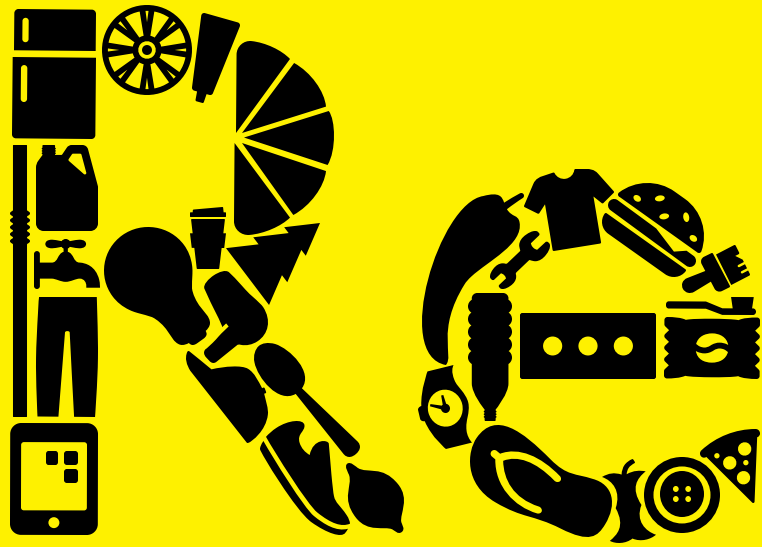
Localised Eat Like a Londoner campaign and activity promotion

Recipe tips & recipe cards for low-carbon meals

'Use up first' fridge stickers to minimize food waste

Healthy start voucher scheme citizen promotion

Surplus food redistribution; promotion of Too Good To Go app



ReLondon

Thank you

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