

Consumption-Based Emissions Account for London (2001 – 2020)

Kate Hand, Head of Climate Change - London Councils

Dipti Patel, Corporate Director of Place - London Borough of Harrow



#BeTheSolution

GREATER
LONDON
AUTHORITY



SUPPORTED BY
MAYOR OF LONDON

LONDON
COUNCILS

What are consumption-based emissions (CBE)?

- **Territorial Accounts** allocate emissions to the country in which they take place
- **CBE Accounts** allocate emissions to the final consumers in each country
- The London CBE Account reflects **Londoners' consumption**, including all the emissions associated with the production of goods and services throughout their supply chain

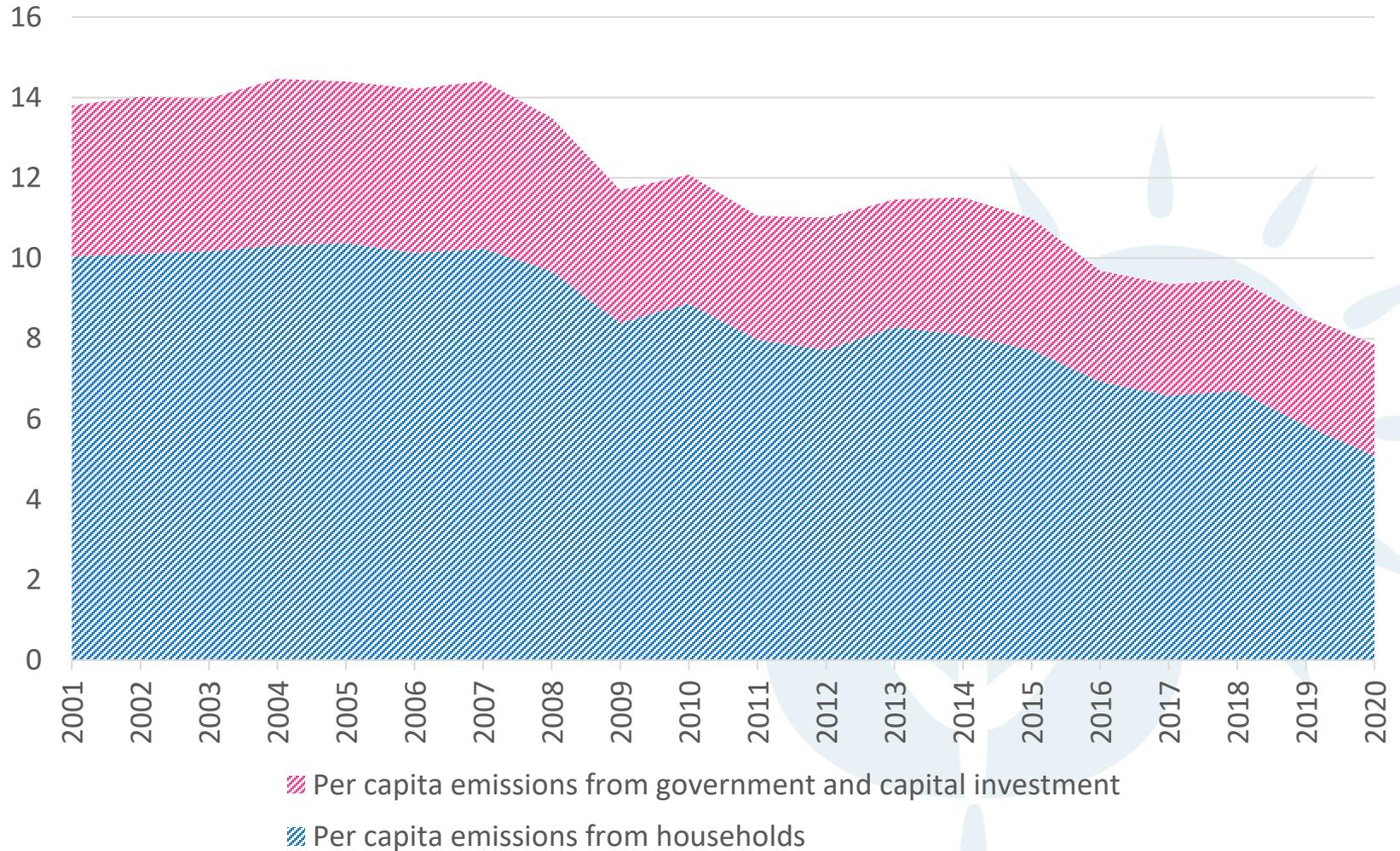
Why does London Government commission the CBE Account?

- The Mayor of London and London boroughs have **ambitious targets** for reaching net zero and adapting to climate change
- London's consumption-based emissions are **2.5 times higher** than London's territorial emissions
- The CBE Account enables us to **understand and target** action that reflects demand and highlights new emissions hotspots

Key messages (1/5)

- London continues to see **annual reductions in CBE**, in line with the overall UK trend
 - Overall CBE have dropped 32% since 2001; per capita they have dropped 43%
 - Household emissions have dropped 39%; per capita the drop is 49%

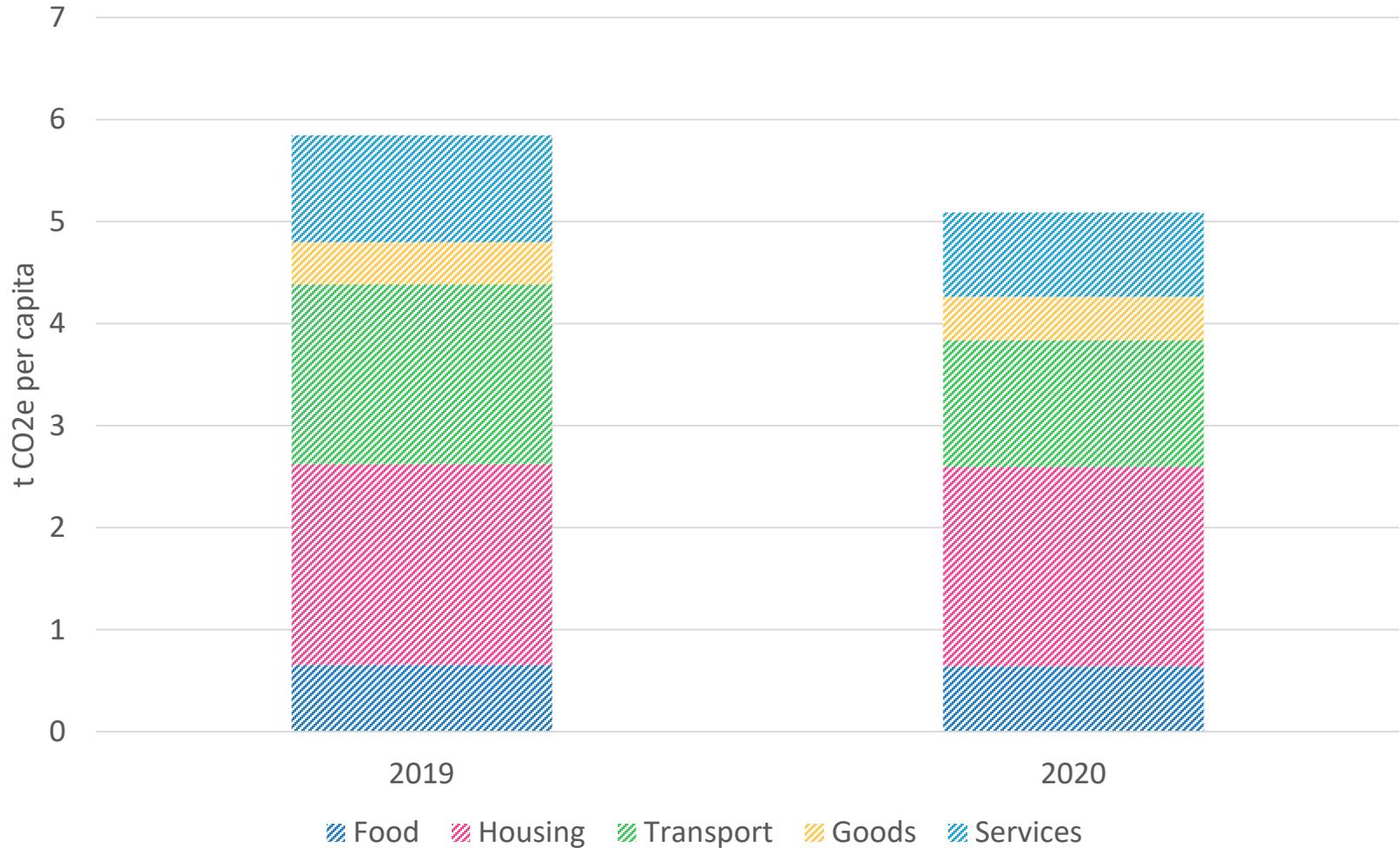
London's Per Capita Consumption-Based Emissions (CO₂e)



Key messages (2/5)

- **London's footprint:** household (food, housing, transport, goods and services); government and capital investment
- The key areas of London's household consumption-based emissions are:
 - **Transport**
 - **Housing** (inc. emissions embedded in building materials)
 - **Food** (eaten at home and out of home)
- Significant reductions were seen in **transport and services** between 2019 and 2020

London consumption emissions by theme (2019 and 2020)

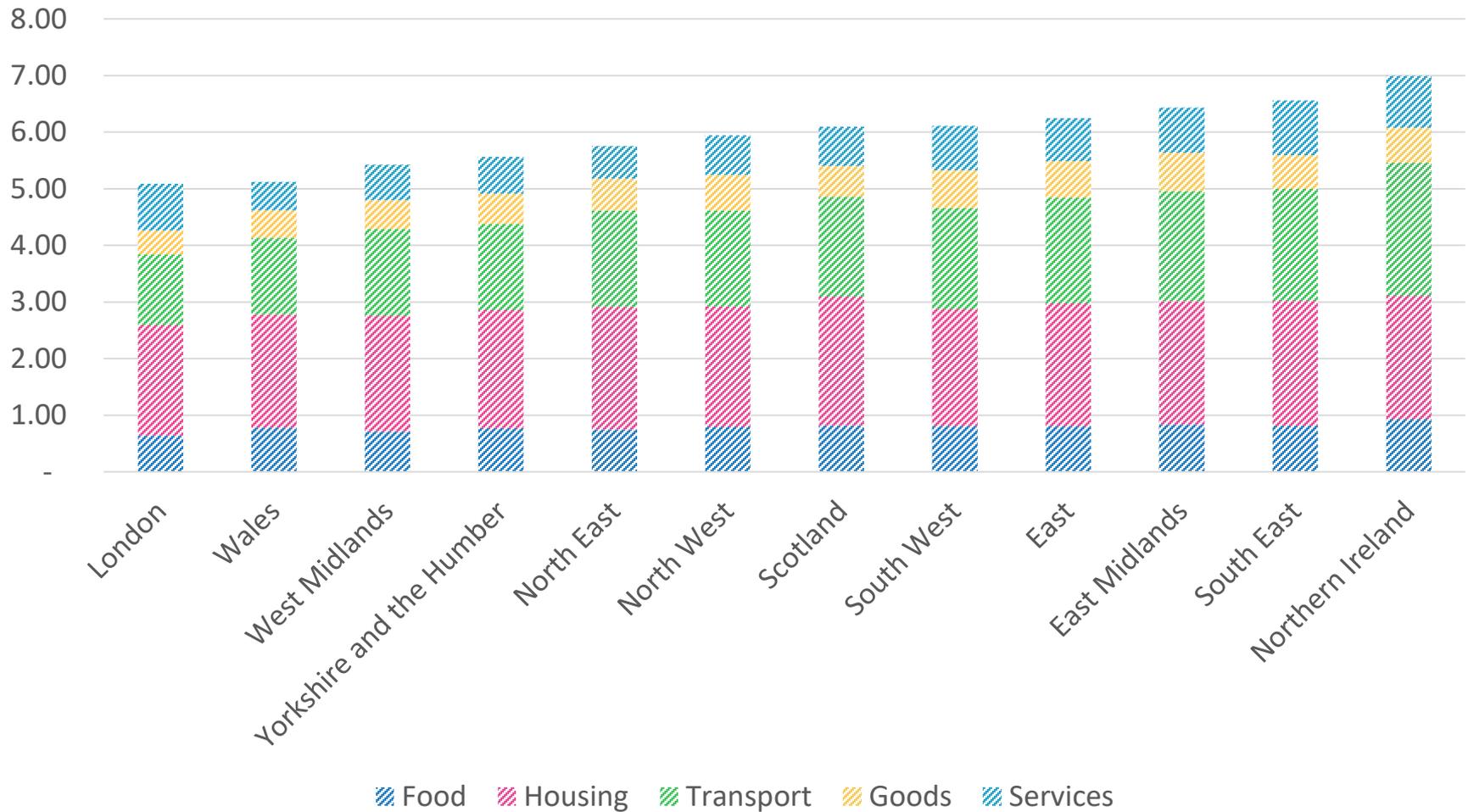


Key messages (3/5)

- London had the **lowest per capita emissions of any UK region** in 2020



UK Per Capita Household Consumption-Based Emissions by Region, 2001 – 2020 (CO₂e)



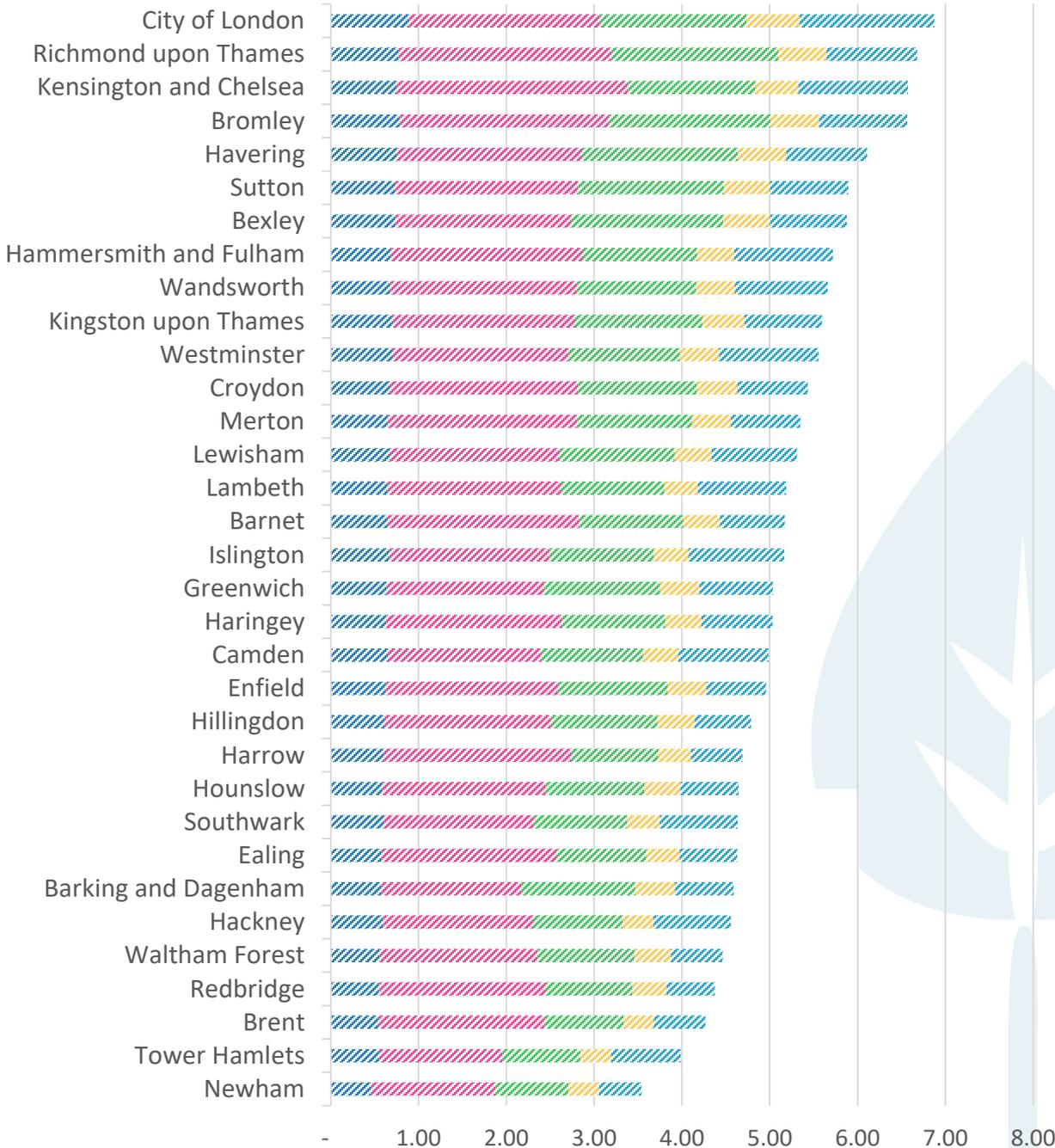
#BeTheSolution



Key messages (4/5)

- Every London borough has seen a **reduction in their CBE** between 2001 – 2020
- **Boroughs' emissions profiles are largely similar**, although the difference between the highest and lowest is significant
- Higher consumption emissions are closely linked to **incomes**, with greater opportunities to reduce emissions amongst wealthier groups

Household Per Capita Consumption-Based Emissions Data, 2001 – 2020 (CO₂e)



-  Food
-  Housing
-  Transport
-  Goods
-  Services

Key messages (5/5)

- These reductions are substantial but **currently insufficient** to meet the One World Living target, or to achieve net zero by 2030.
- Much of the required action is **structural**:
 - decarbonisation of housing and transport
 - development of redistribution infrastructure
 - development of e.g. repair, renting and sharing services
- Structural action will need to go hand in hand with a change **to the way Londoners eat, travel and shop**, supporting by the right enabling conditions.

One World Living programme

- One of 7 London-wide climate programmes established by **London Councils**
- **Aim:** to reduce consumption emissions across London, focusing on food, textiles, plastics and electricals
- Current target: **2/3 reduction in emissions** by 2030 – high ambition that requires large scale public action and policy/ structural change
- **Harrow**, assisted by **West London Waste Authority**, providing overall programme coordination
- Themed working groups: **Hackney** (Food), **Hammersmith & Fulham** (Electricals), **WLWA** and **Wandsworth** (Textiles) and **Richmond** (Plastics)

#BeTheSolution



OWL approach

- **Normalising** new attitudes and behaviours around **diet / sustainable product choice, food waste, repair, re-use, recycling and refill.**
- Facilitating **bottom up change** by enabling the **scaling up of many small individual consumption actions** and together make a big change.
- Identify and act on those **points of intervention** where local authorities can **help remove barriers** and enable this bottom up change.
- **Tell stories about**, and articulate a vision for future sustainable lifestyles that engage the head, hands and heart.
- CBE accounting can draw attention to the emissions embodied in London's consumption patterns – often **out of sight but should not be out of mind**

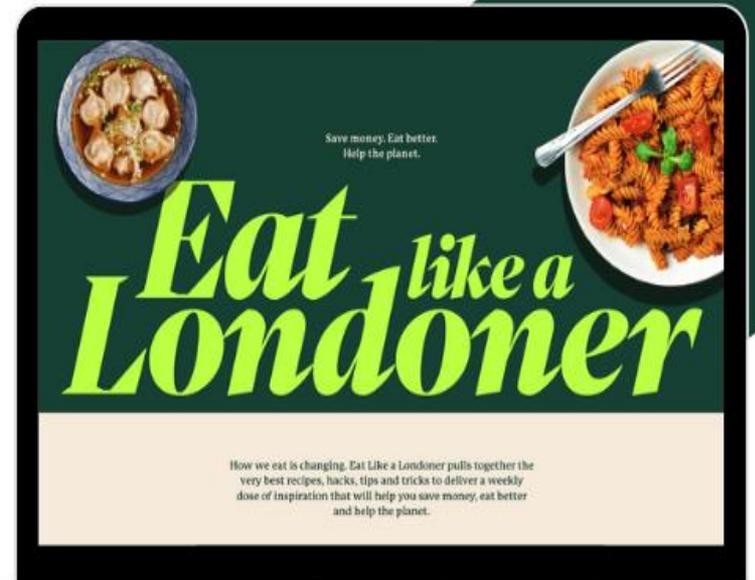
#BeTheSolution



Food – current campaign

<https://eatlikealondoner.com/>

- ReLondon, OWL and partners
- Joint funded by 27 boroughs
- Focus on reducing food waste and promoting sustainable diets
- Key messaging: ***Save money. Eat better. Help the planet.***
- Borough advertising at supermarkets and transport hubs
- 27,200 clicks to website and >1 million video views



#BeTheSolution



Questions?



#BeTheSolution

LONDON
COUNCILS

**Read the CBE Account reports +
download the data:**

www.londoncouncils.gov.uk

<https://data.london.gov.uk/>



**LONDON
COUNCILS**

#BeTheSolution