

# LCR ZERO WASTE 2040 STRATEGIC FRAMEWORK

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Lesley Worswick  
Chief Executive



MERSEYSIDE RECYCLING & WASTE AUTHORITY

**MERSEYSIDE... A PLACE  
WHERE NOTHING IS WASTED**

# Lesley Worswick

## Chief Executive

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**MERSEYSIDE RECYCLING AND  
WASTE AUTHORITY**

Strategic waste and resource  
management authority



# The extraction and processing of resources and waste counts for...



**53%** the worlds carbon emissions - even before accounting for any fuel that is burned



Food production counts for **37%** of greenhouse gas emissions (plus significant land, energy and water usage)



Extracting at three times the rate the earth can replace them



**80%** of biodiversity loss - mostly for agriculture



# WHAT SHOULD WE DO?

MRWA is committed to achieving the targets of zero waste and net zero carbon by 2040. We believe this is only achievable by instigating a whole systems change. We developed our Climate Action Plan 2022 to outline how we are going to reduce our carbon emissions.

**Our main priority is to reduce the amount of residual waste.**



Liverpool  
City  
Region



# Zero Waste 2040 Strategic Framework



# LIVERPOOL CITY REGION

# ZERO WASTE 2040

## Strategic Framework

The LCR Zero Waste 2040 strategic framework sits firmly in the context of climate action to deliver a net zero carbon city region by 2040.



# STRATEGIC OUTCOMES

## People



- Governance
- Social Value

## Planet



- Climate and carbon
- Resource efficiency

## Economy

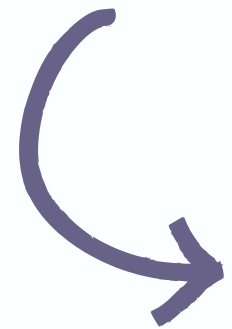


- Cost efficiency
- Green jobs
- Circular economy

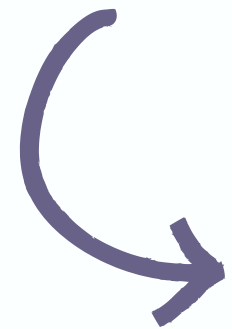
# WHAT'S NEXT

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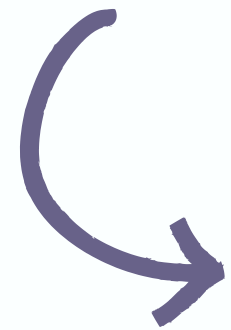
LCR Strategic Framework



Joint Strategy



Individual Strategies



Action / Delivery Plans







MERSEYSIDE RECYCLING & WASTE AUTHORITY

# THE DECADE OF CHANGE

Waste Policy Reform



# CONSISTENT RECYCLING

## What it's about

- Increasing recycling performance
- Reducing confusion about what can be recycled
- Consistent recycling services across England

## What we know so far

- Mandatory separate weekly food waste collection
- Expanded 'core set' of recyclables to be separately collected by councils
- Food waste costs covered by new net burdens funding



# EXTENDED PRODUCER RESPONSIBILITY

## What it's about

- Polluter pays
- Producers (retailers, manufacturers) fund waste management of in-scope materials (consistent recycling)
- Making packaging easier to recycle
- Increased recycling (and eventually reuse) and reduced carbon impacts

## What we know so far

- Initial focus on packaging
- Payments linked to benchmarked recycling performance

**Still a lot unknown**



# DEPOSIT RETURN

## SCHEME

### What it's about

- Reducing litter from drinks containers
- Incentivising consumers to return items (for recycling)

### What we know so far

- In-scope materials - plastic PET drinks bottles and metal drinks cans up to 3 litres capacity
- Glass bottles excluded

### What's next

A DRS not expected in England until 2025



# Benefits of a Circular Economy



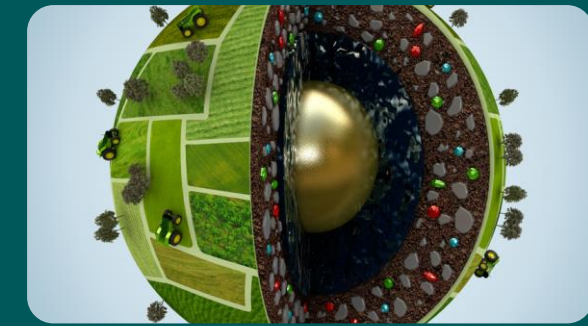
## BOOST ECONOMIES

Reducing waste, stimulating innovation and creating employment can trigger economic growth.



## GREEN JOBS AND SKILLS

New opportunities in reuse, refurbishment, remanufacture, leasing and sharing.



## RESOURCE EFFICIENCY

Making better use of natural resources  
Shifting to recycled materials



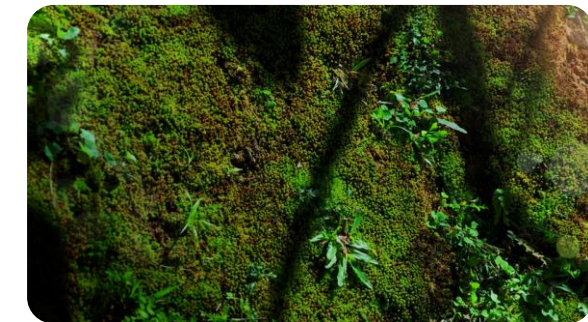
## SAVE MONEY

- New opportunities
- Reduced costs
- Stronger relationships with customers
- Repair/refurbishment opportunities



## REDUCES EMISSIONS

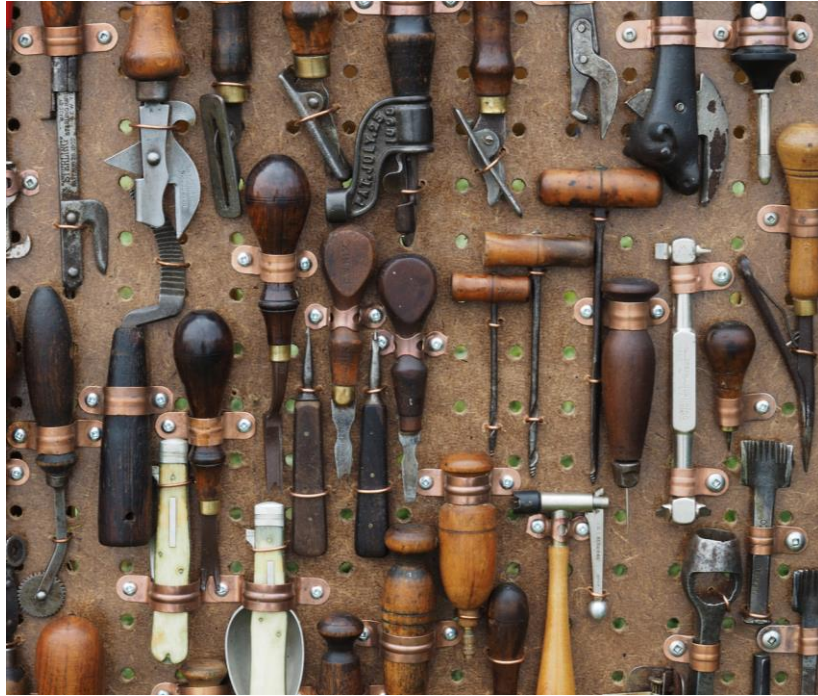
About 45% of global greenhouse gas emissions come from product use and manufacturing, as well as food production.



## PROTECT HUMAN HEALTH AND BIODIVERSITY

- Reduce air, water and soil pollution
- make better use of resources

# Examples



## LIVERPOOL TOOL LIBRARY

Community based tool rental



## TOAST ALE

Using surplus bread to replace barley in production of beer. Saves energy, land, water and reduced carbon emissions.



## WORN BY US

Reuse - Resell - Recycle

- Unwanted stock
- Take-back scheme
- Clothing banks
- Sell your clothes



## NIAGA

Design products with the end in mind.

- Niaga tag
- Take-back
- Design
- Mattresses & Carpets