

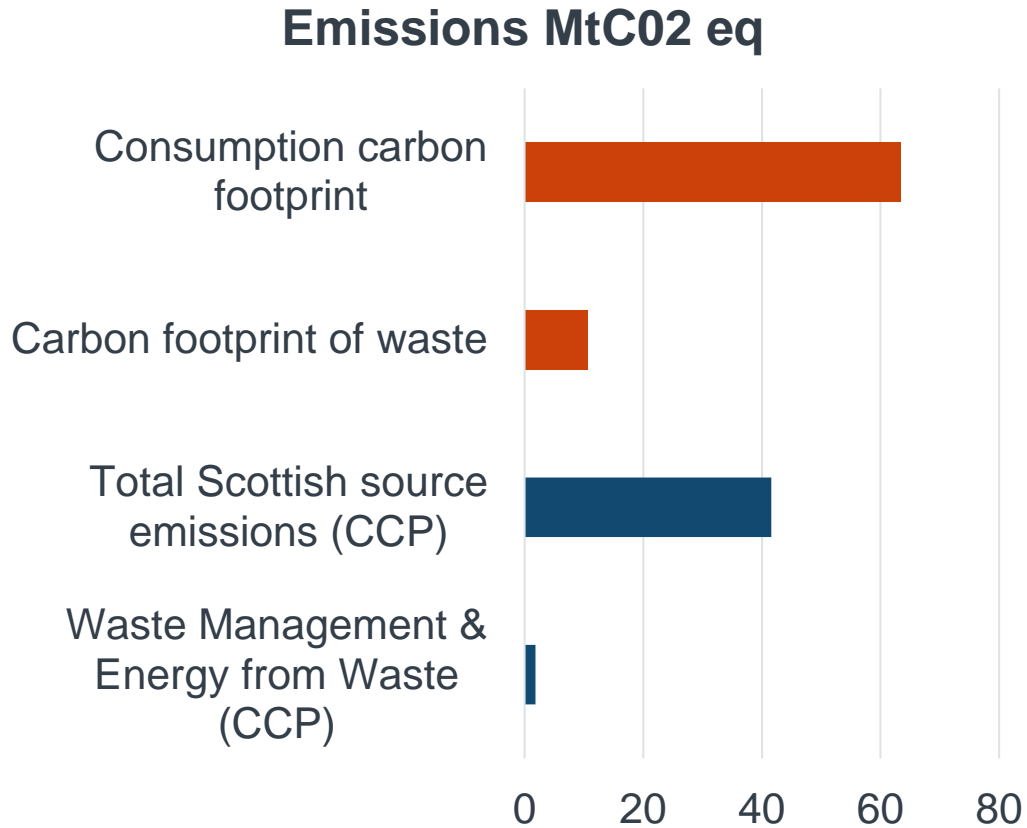
CIRCULAR ECONOMY AND SUSTAINABLE RESOURCE MANAGEMENT IN SCOTLAND TO 2030

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CONTEXT



Climate change plan: Strong progress in reducing emissions, total Scottish source emissions nearly halved since 1990, and for waste management 76% lower (1.5 MtCO₂e in 2021). Energy from Waste: 0.3 MtCO₂e, Electricity Sector).

Carbon footprint of waste: But around 90% of the carbon impact of Scotland's waste produced *before* disposal [10.6 MtCO₂e, 2018].

Wider impact of consumption: Around 80% of our carbon footprint comes from consumption [63.4 MtCO₂e, 2019]. Significant driver of biodiversity loss.

2025 Waste & recycling targets: Long-term progress, some areas lagging (food waste), refreshed metrics required to align to circular economic transformation / net zero.

Opportunity: Scotland a net exporter of recycle & waste. (e.g. 95% plastics sent outwith Scotland. Opportunity for innovation & job creation in key sectors (around 1 in 10 jobs in Scotland relate to the Circular Economy.)

Cost: Local authority net revenue expenditure on waste services = £611m (2021-22). Weak incentives & limited return on investment.

CIRCULAR ECONOMY & WASTE ROUTE MAP AND CIRCULAR ECONOMY BILL

Recap on Route Map and CE Bill timeline

2021: Diagnosis, evidence review, system mapping. Themed workshops in late 2021 with stakeholders to test diagnosis and potential measures.

May – Aug 2022: First consultation for Route Map (+ CE Bill proposals consultation):

- ▶ *Analysed progress against existing 2025 targets and climate change envelopes*
- ▶ *Assessed compatibility between targets and climate change*
- ▶ *Reviewed resources system, mapping incentives influencing behaviour*

Dec 2022: Climate Change Committee progress report

Late 2022 – summer 2023: Analysis of consultation, further evidence gathering, research, impact assessments

June 2023 onwards: CE Bill introduction, and Stage 1

January - March 2024: Draft Route Map consultation

April - May 2024: CE Bill Stage 2

June 2024: CE Bill Stage 3

Later in 2024: Final Route Map to be published

WHAT: CIRCULAR ECONOMY & WASTE ROUTE MAP & CE BILL

A fully circular economy in Scotland by 2045:

Driven by Responsible Consumption, Responsible Production,
Maximising Value from Waste and Energy [Sustainable resource use]

1. Reduce and reuse

More sustainable products, easier to repair, reuse & recycle, and better quality – cutting waste
Specific focus on reducing food waste and construction practices

2. Modernise recycling

New recycling & reuse standards make it easier for households & businesses to recycle
Economic opportunities in stimulating domestic reprocessing market

3. Decarbonise disposal

Capacity to manage remaining waste responsibly
Improve environmental outcomes
Incentivise decarbonisation

4. Strengthen the circular economy

Provide strategic oversight; Coordinate action across cross-cutting areas; Robustly monitor and evaluate progress – including setting new CE targets and strategy from 2025.

Legislative framework created by Circular Economy Bill

Route Map: Approach and cross-cutting themes



For each strategic aim:

- **Priority actions:** critical to making impact and/or unlocking progress through collaboration and partnership to 2030
- **Further actions:** complement the priority actions: either support delivery of, or build on, the priority actions through to 2030.

Our approach: key principles

- Embedding collaboration and co-design
- Taking a whole system approach
- Strategic materials-first approach
- Ambitious and agile
- Evidence-driven: feasibility, affordability, impact
- Fair and inclusive, and Just Transition

Cross-cutting themes

- Behaviour change
- **Data and evidence**
- Infrastructure
- Legislative framework

STRATEGIC AIM	ROUTE MAP PRIORITY ACTIONS [CIRCULAR ECONOMY BILL PROVISION: CEB]
1. REDUCE AND REUSE	<p>RESPONSIBLE PRODUCTION AND CONSUMPTION</p> <ul style="list-style-type: none"> • Product Stewardship Plan to tackle the environmental impact of priority products (by 2025-26) – <i>likely to include <u>textiles, mattresses and tyres</u></i> • Charge for single-use disposable cups (by 2025, consultation in 2024) [CEB] • Ban on single-use vapes (2025) <p>FOOD WASTE</p> <ul style="list-style-type: none"> • Intervention plan to guide long-term work on household food waste reduction behaviour change (by 2025) • Mandatory public reporting for food waste and surplus by businesses (by 2025/26) [CEB] <p>CIRCULAR CONSTRUCTION</p> <ul style="list-style-type: none"> • Hubs and networks for the reuse of construction materials and assets (From 2025/26; feasibility study 2024/25)
2. MODERNISE RECYCLING	<ul style="list-style-type: none"> • Co-design high quality, high performing household recycling and reuse services (2024/25 and 2025/26) [CEB] • Review of compliance with commercial recycling requirements (2024 - 2025) • Co-design measures to improve commercial waste service provisions (2026/27)
3. DECARBONISE DISPOSAL	<ul style="list-style-type: none"> • Residual Waste Plan to 2045 (by 2025/26) • Sector-Led Plan to minimise the carbon impacts of the Energy from Waste Sector (by 2025/26)
4. STRENGTHEN THE CIRCULAR ECONOMY	<ul style="list-style-type: none"> • Circular Economy strategy every five years (from 2025) [CEB] • New circular economy targets (from 2025) [CEB]

ROUTE MAP THEME: DATA AND EVIDENCE

DATA AND EVIDENCE

- Underpins circular economy transformation and design/delivery of specific actions across the Route Map
- Improvements in understandings of materials flows, availability and quality of data crucial to achieve significant impacts across the resources and waste system.
- Building on existing work and actions already underway.
- Examples: development of digital waste tracking service to monitor waste and resources in real time; household waste composition analysis; SWEFT; and extended producer responsibility materials facilities sampling /reporting.

ACTION 1: DEVELOPMENT OF CIRCULAR ECONOMY MONITORING FRAMEWORK, AND SET NEW CIRCULAR ECONOMY TARGETS

- Broad support for new suite of indicators to track Scotland's circular economy progress, aligned to tackling climate & nature emergencies.
- Linked to future circular economy strategy, set within context of Scotland's wider economic / environmental strategic landscape.
- To give consideration to material-specific targets, rather than 'catch-all' indicators, as recommended by the CCC.
- Monitoring framework development in 2024/25, new targets determined from 2025.

ACTION 2: REVIEW AND REFRESH SCOTLAND'S WASTE DATA STRATEGY / ACTION PLAN

- Scotland's waste strategy developed and implemented in partnership since 2017. Has supported key developments, e.g. composition analysis, Material Flow Accounts, UK-wide digital waste tracking.
- Across Route Map a range of measures that rely on timely data and evidence to maximise delivery of meaningful benefits.
- To ensure data landscape fit for the future, **we will work with partners to review and refresh the strategy and its action plan.**
- Coordination with development of new CE monitoring framework, and emission reduction-related monitoring requirements.
- Will account for changes to the data landscape from key measures, e.g. EPR, recycling reform, digital waste tracking service.

OTHER PROPOSED ACTIONS

- Review the feasibility of setting reuse targets (from 2025)
- Develop with stakeholders the most effective way to implement mandatory public reporting for food waste and surplus by businesses (by 2025/26)
- Introduce statutory recycling and reuse local performance targets for household waste services (from 2030)
- Review the monitoring and reporting framework for local authority waste services (by 2025/26)
- Conduct a national compositional study of waste from commercial premises (by 2025/26)
- Develop a Residual Waste Plan to 2045 (by 2025/26)
- Maintain a programme of research on waste prevention, behaviour change, fiscal incentives and material-specific priorities.

NEXT STEPS

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NEXT STEPS FOR THE ROUTE MAP

- Consultation closed on 15 March
- Ongoing analysis of consultation responses
- Final Route Map to be confirmed later this year
- Further engagement on various Route Map proposals
- Circular Economy Bill currently at Stage 3 of Scottish Parliament

QUESTIONS