

Encompassing climate change within a waste plan - The experience of Ireland

Philippa King



Ireland's Climate Action Plan-2024



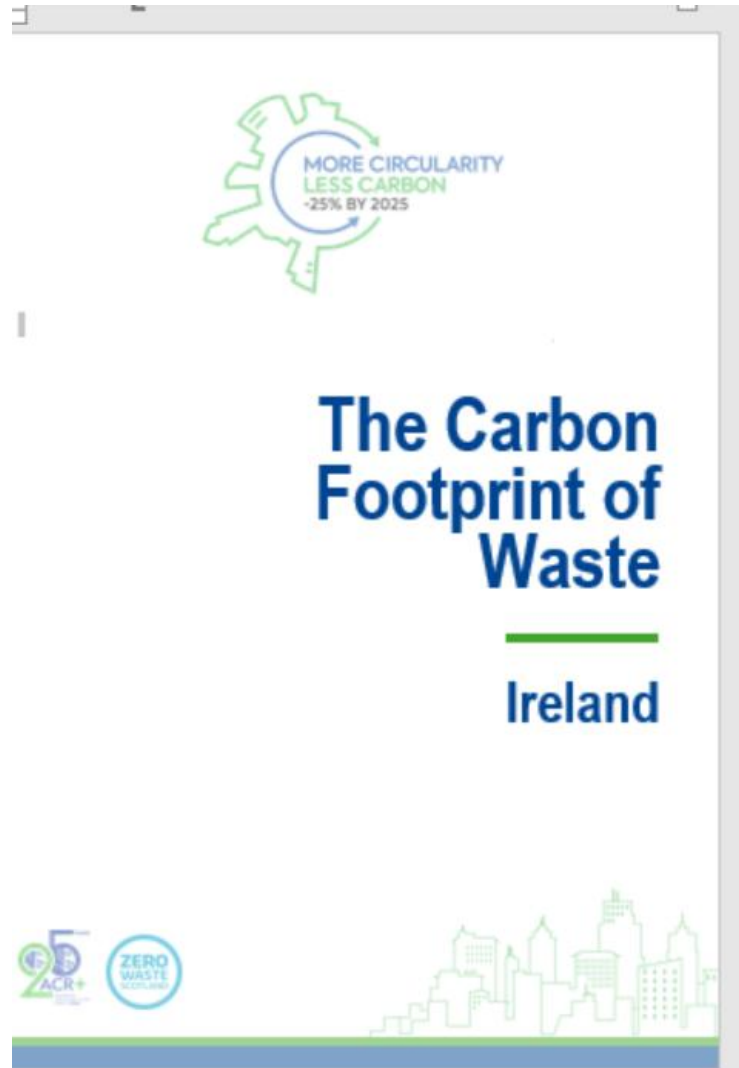
- **20.3.2 Waste**
- The GHG emissions from waste
 - Waste treatment-methane emissions from landfillGains in reducing material use, and substituting virgin material with recycled material, will be credited back up the supply chain.

Minimising waste generation, and improving segregation, reuse and recycling will lead to less emissions associated with waste transport and treatment.
- Waste emissions per head are lower in Ireland compared to the EU average.

The key policy tools which have been successful in Ireland are:

- Levy on landfill and diversion regulations;
- Widespread segregation of waste, capturing recyclables and biodegradable waste;
- Industry-supported recycling operations;
- Regional waste planning.
- **To achieve our targets, all these areas need improvement, particularly developing better prevention strategies; improving capture rates; and reducing both contamination and the amount of non-recyclable materials**

ZWS Carbon Foot Printing Tool



- The 2019 carbon impacts of municipal waste in Ireland are assessed by the Carbon Metric at **5.3 million** tonnes of carbon dioxide equivalent (t CO₂eq.), or **1.0 tonne CO₂eq./capita**.
- To achieve a 25% reduction by 2025 as part of the ACR+ 'More Circularity Less Carbon' campaign, Ireland must reduce its waste carbon impacts by approximately 1.3 million tCO₂eq, to a total of 3.9 million tCO₂eq.
- A number of scenarios, that focus on **waste prevention measures**, have been investigated in this report to explore pathways for Ireland to achieve the 2025 target.

In 2019-2020 we start evaluating the Regional Waste Management Plans

- Regional Waste Management Planning - it was agreed three plans would become one Plan, the recommendations from the Carbon Foot Print report were considered pre and post draft.
- Pre-draft Consultation
- Post Draft Consultation

Engagement

CONSUMPTION

CAPTURE

COMPLIANCE

A person with their back to the camera, wearing a white long-sleeved shirt, stands with their arms outstretched horizontally. They are positioned in the lower center of the frame. The background is a vast sky at sunset or sunrise, with a gradient from light blue at the top to warm orange and yellow near the horizon. Scattered white and light-colored clouds are illuminated by the low sun, creating a soft, golden glow. The overall mood is one of freedom, achievement, and optimism.

PROSPERITY

Challenges

- More Consumption
- More Waste
- More Pressure on Resources
- More Dependence on Export
- More Infrastructure Required

Policy

Responses

- More Prevention
- More Reduction
- More Reuse
- More Recycling
- More Facilities

Plan



Rialtas Áitiúil Éireann
Local Government Ireland

**NATIONAL WASTE
MANAGEMENT PLAN**
FOR A CIRCULAR ECONOMY 2024-2030

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**NATIONAL WASTE
MANAGEMENT PLAN**
FOR A CIRCULAR ECONOMY 2024-2030

The Structure

VOLUME I
CURRENT SITUATION AND CHALLENGES

VOLUME II
POLICY RESPONSES AND ACTIONS

VOLUME III
DELIVERY ROADMAP

VOLUME IV
SUPPORTING DOCUMENTATION

VOLUME VA
SEA STATEMENT

REGIONAL
WASTE
MANAGEMENT
PLANNING OFFICES

REGIONAL
WASTE
MANAGEMENT
PLANNING OFFICES

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WASTE
MANAGEMENT
PLANNING OFFICES

..challenges

..responses

..delivery

..supporting

..environment

THIS PLAN IN NUMBERS:

1

Plan
Ambition

8

National
Targets

13

Core
Policies

16

Focus
Areas

74

Targeted
Policies

85

Priority
Actions

51

Key
Deliverables



NATIONAL WASTE MANAGEMENT PLAN FOR A CIRCULAR ECONOMY 2024-2030



VOLUME II
POLICY RESPONSES AND ACTIONS



AMBITION

0%

TOTAL WASTE
GROWTH

0%

TOTAL WASTE
GROWTH

- Maintain waste management and behavioural advances
- Accelerate the transition to a Circular Economy
- Influence sustainable consumption
- Improve the capture of all wastes optimising circularity
- Enable compliance with policy and legislation

Current Baseline
2.7 tonnes
Total waste
Per person Per year

NATIONAL WASTE MANAGEMENT PLAN

FOR A CIRCULAR ECONOMY 2024-2030



VOLUME II
POLICY RESPONSES AND ACTIONS



TARGETS



6%

**REDUCTION
IN rMSW
PER PERSON
BY 2030**

**Baseline 0.37 tonnes rMSW
per person (2021)**

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MANAGEMENT PLAN**
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VOLUME II
POLICY RESPONSES AND ACTIONS



TARGETS

 **12%**

**REDUCTION
IN C&D WASTE
BY 2030**

Baseline 9 M tonnes
(2021)



NATIONAL WASTE MANAGEMENT PLAN FOR A CIRCULAR ECONOMY 2024-2030



VOLUME II
POLICY RESPONSES AND ACTIONS



TARGETS



90%

**MATERIAL
COMPLIANCE IN THE
DRY RECYCLING BIN**

**Baseline To be determined
(2024)**



**NATIONAL WASTE
MANAGEMENT PLAN**
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VOLUME II
POLICY RESPONSES AND ACTIONS



TARGETS

10%

**PER ANNUM INCREASE
IN MATERIAL
COMPLIANCE IN
THE RESIDUAL BIN.**
(90% BY END OF 2030)

**Household / Commercial
Baseline 36 / 26%**
(2022)

CORE POLICY 2

Climate Action

Support the delivery of the measures and actions prescribed in the Climate Action Plan to contribute to achieving the national climate targets.

Core Policy CP2 commits this Plan to supporting the achievement of the evolving targets in the Climate Action Plan (including all future revisions).



FOCUS AREA GROUPS

16



4 **OPERATIONAL FOCUS AREAS** (COLLECTION)



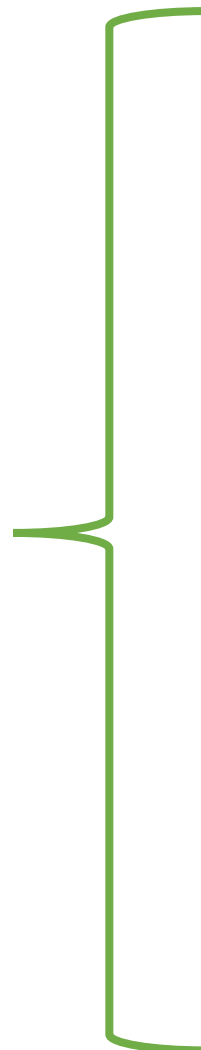
6 **MATERIAL STREAM FOCUS AREAS**



6 **INFRASTRUCTURAL FOCUS AREAS**

Focus Area Fact Sheet

Targeted
Policies



FOCUS AREA 1	MUNICIPAL COMMERCIAL WASTE
Purpose	What is it?
Promote prevention and better segregation of commercial waste.	Municipal commercial waste is mixed waste which is similar in nature and composition to waste from households and includes food waste.
Targeted Policies	Priority Actions (Responsibility)
TP1.1	PA1.1 (LGS)
Identify and promote new means, methods and key drivers of sustainable consumption practices to reduce waste generation.	Collaborate with other agencies to develop and deliver targeted awareness campaigns and projects to improve behaviours on prevention, reuse and repair in non household settings.
TP1.2	PA1.2 (LGS)
Ensure that all non-household municipal waste settings adopt best practice on waste segregation and are serviced with a segregated waste collection system to maximise the quantity and quality of materials collected.	Enhance the capture of data from waste collectors for non-household settings through the National Waste Collection Permit Office.
TP1.3	PA1.3 (LGS/Ind.)
Strengthen the monitoring and accurate measurement of commercial municipal waste flows.	Investigate the potential for a sustainable waste management assurance scheme for business consistent with the transition to a circular economy.
TP1.4	PA1.4 (LGS/Ind.)
Implement appropriate engagement and /or enforcement measures in response to non-compliances identified.	Engage with businesses through local authority structures to promote consistent practices with regard to the management of commercial waste using measures including the MyWaste.ie business tools.
TP1.5	PA1.5 (LGS)
Promote the consistent application of an appropriate incentivised charging system for non-household municipal waste, through awareness and enforcement.	Ensure the consistent and targeted application of waste storage and presentation bye-laws to improve participation and segregation practices and incorporate into the RMCEI process.



Priority
Actions

Focus Area Fact Sheet

Targeted
Policies

FOCUS AREA 9	TEXTILES
Purpose	What is it?
To reduce textile waste and the impact of fast fashion and improve the regulation of the post-consumer textile market.	Textiles include yarns, threads and finished articles for sale. Textiles also include some industrial and specialised use materials and all non-clothing materials like linen, towels, and carpets regardless of the use.
Targeted Policies	Priority Actions (Responsibility)
TP9.1	PA9.1 (LGS)
Influence and drive improved behaviours around textile consumption, in particular with regard to climate impact and the EU strategy for sustainable and circular textiles and the Circular Economy Programme.	Develop and deliver targeted awareness campaigns and projects to improve behaviour around the sustainable consumption, circularity and collection of textiles.
TP9.2	PA9.2 (EPA/LGS/DECC)
Engage with designers, producers, retailers, collectors and processors to coordinate the systematic tracking and management of textiles to minimise waste and optimise circularity.	Assess and define the extent of existing textile collection options and infrastructure, including the network of registered charity outlets and define the challenges, barriers and gaps to progress.
TP9.3	PA9.3 (EPA/LGS/DECC)
Identify measures to promote reuse and repair of textiles.	Further to the outcome of PA9.2, make recommendations on the enhancement of existing options or the introduction of alternative options for textile collection.
TP9.4	PA9.4 (EPA/LGS/DECC)
Foster greater collaboration between the retail, reuse and post-consumer textile sector to maximise synergies.	Encourage and facilitate greater collaboration between the retail, reuse and post-consumer textiles sector to maximise synergies.
	PA9.5 (EPA/LGS/DECC)
	Review the regulatory and enforcement regime for textile collection and processing and make recommendations as required.

Priority
Actions



PART A:
**REGULATORY,
INFRASTRUCTURE
AND CLIMATE
IMPACT**

KEY DELIVERABLE 43

Pillar 1 Annual Work Plan

The LGS Planning and Circularity Pillar will produce an annual work plan with emphasis on the acceleration of the transition to a circular economy.

KEY DELIVERABLE 45

Evaluate the impact of work plans on circularity and climate

The LGS will evaluate the impact of LGS work plans on circularity and climate action annually.

KEY DELIVERABLE 49

Annual Reporting

The LGS will produce an annual report on the progress of the implementation of the plan including the evaluation of the impact of work plans on circularity and climate action.

Plan Implementation-Work Plan 1 2024-2025



NATIONAL WASTE MANAGEMENT PLAN FOR A CIRCULAR ECONOMY 2024-2030



WORK PLAN 1 2024-2025



- Implementation will include continuous analysis of material flows and waste streams as key indicators for the achievement of the Plan ambition and targets.
- Annual Report to be published in Q2 2026 and considering our options for Carbon Foot print measurement including ZWS updated tool.

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