



RESOURCE MANAGEMENT



OVERVIEW

64% RECYCLING RATE IN COUNTY HALL

WASTE AND WASTE-WATER ACCOUNTED FOR **2.2%** OF DLR'S TOTAL EMISSIONS IN 2016



TARGETS



50% RECYCLING RATE OF MANAGED WASTE BY 2020

REDUCE TO 0% THE DIRECT DISPOSAL OF UNPROCESSED RESIDUAL MUNICIPAL WASTE TO LANDFILL

10% REDUCTION IN WASTE GENERATED BY LOCAL AUTHORITIES

EXAMPLES OF MAIN ACTION TYPES

Running Council staff awareness campaigns



Running anti-dumping and anti-litter campaigns for general public

Introducing climate-related evaluation criteria into all DLRC tenders



400 smart bins in DLR area

Creating stop food waste campaign



Trialling smart solutions for illegal dumping

STAKEHOLDERS TO WORK WITH AND INFLUENCE

GENERAL PUBLIC

IRISH WATER

EASTERN MIDLANDS WASTE REGION

GOVERNMENT DEPARTMENTS

PRIVATE BUSINESSES

COMMUNITY GROUPS, TIDY TOWNS, IBAL



In partnership with the Eastern Midlands Waste Region, the Dublin Local Authorities develop and implement the policies and actions laid out in the region's Waste Management Plan. This plan serves as the framework for the prevention and management of wastes in a safe and sustainable manner.

The strategic vision of the regional waste plan is to rethink the approach to managing waste by viewing waste streams as valuable material resources. Making better use of our resources and reducing the leakage of materials will help the region transition from a linear to a circular economy and deliver both environmental and economic benefits.

The waste plan sets out three overall performance targets that underpin its policies. These are:

- 10% reduction in waste generated by local authorities
- 1% reduction per annum in the quantity of household waste generated per capita over the period of the Plan
- Achieve a recycling rate of 50% of managed municipal waste by 2020
- Reduce to 0% the direct disposal of unprocessed residual municipal waste to landfill from 2016 onwards, in favour of higher value pre-treatment processes and indigenous recovery practices

Illegal Dumping SBIR Challenge

Smart Dublin, in partnership with Enterprise Ireland, launched the Small Business Innovation Research (SBIR) Illegal Dumping Challenge in April 2017 to find low-cost, innovative solutions to tackle this ongoing problem in urban and rural areas. Six companies received €12,500 in Phase 1, and four of these companies were then awarded additional funding of €130,000 to trial their solutions, which include:

- Integrating existing data to provide better insights and allow Councils to make data-driven decisions
- Using drone technology and a network of licenced pilots to identify and geo-tag litter in rural areas of Dublin
- Using low-cost, low-powered camera and monitoring systems to capture, report and deter illegal dumping in both urban and rural areas.

WASTE MANAGEMENT

3 Plan Target - Reduce to 0% the direct disposal of unprocessed residual Municipal waste to landfill (from 2016 onwards) in favour of higher value pre-treatment processes and indigenous recovery practices.

- Eastern-Midlands Regional Waste Management Plan (2015-2021)

DLRCC, in conjunction with the Eastern-Midlands Regional Waste Office, will introduce a comprehensive waste prevention and recycling programme within the Council and will strive to reduce the waste produced in DLRCC's buildings and operations.

Central to preventing the production of waste is changing the procurement of products used by the Council. A priority for DLRCC is to review procurement procedures and identify opportunities to source environmentally-friendly products to use in its operations. For example, DLRCC is committed to reducing the use of disposable cups. It is supporting the Conscious Cup campaign in its staff canteen and incentivising staff that use reusable cups. The Council is also requesting suppliers of catering services in public buildings and at Council events to avoid single-use items and minimise waste. This will be further strengthened by the recent announcement by the government that all public bodies will not purchase single-use plastic beverage cups, cutlery and drinking straws after the 31st March 2019 and will be required to report to their respective Minister by the end of November 2019 on the measures they are taking to minimise waste generation and maximise recycling.





LITTER & RECYCLING IN THE PUBLIC REALM



Waste Management Plan Target – Achieve a Recycling Rate of 50% of Managed Municipal Waste by 2020.

- Eastern-Midlands Regional Waste Management Plan (2015-2021)

Part of reducing waste is encouraging people to recycle. DLRCC is also actively working with the Eastern Midlands Waste Regional Office to inform people about what they can and cannot recycle.

CASE STUDY



Photo Source: Dún Laoghaire-Rathdown County Council

Smart Bins

Dún Laoghaire-Rathdown County Council looked to improve the efficiency of its public waste collection service and reduce operational costs and emissions. In December 2014, the Council purchased 400 smart Big Belly bins to trial within the DLR area.

Smart bins come with a built-in solar compactor, which gets triggered when rubbish reaches a certain level. As the rubbish is compacted, the capacity is up to eight times greater than a traditional bin. The bin is wifi-enabled, so can communicate with the relevant waste management division when the waste reaches 85% capacity. This system means that the Council can monitor real-time levels of waste, and better plan and organise waste collection based on actual waste levels.

This smart waste system has provided a number of benefits, such as lower emissions due to the reduction in the number of bin collections required by the Council's fleet vehicles, and this improved efficiency within the fleet has reduced energy consumption by 85,000 kWh per year.

CASE STUDY

Recycling Ambassador Programme

DLRCC supported the Recycling Ambassador Programme, which was a Voice of Irish Concern for the Environment (VOICE) initiative funded by the Department of Communications, Climate Action and Environment (DCCA) and REPAK. It also partnered with the Regional Waste Management Offices and mywaste.ie with the aim to improve Ireland's recycling rates and reduce levels of contamination in household recycling bins.

Many people have become confused about what can and cannot be recycled in the recycling bins. Mywaste.ie and VOICE Ireland's Recycling Ambassador Programme showed what can be recycled in the household bin based on the new nationally agreed recycling list.

Highlights:

- 650 workshops throughout the country led by trained Recycling Ambassadors, who educated, supported and encouraged the public to recycle more effectively
- 30 ambassadors across the country

CASE STUDY

Recycling Centres

There are three recycling centres throughout the County, namely Ballyogan Recycling Park, Shanganagh Recycling Centre in Shankill and Eden Park Recycling Centre in Glasthule.

Ballyogan Recycling Park is the main recycling centre in the County and is located near the Ballyogan Wood Luas stop. It has won national awards for its design, the diversity of materials accepted and its accessibility to users of the facility in that it is open 360 days per year.












The recycling centres accept household waste including electrical waste for recycling for free. Ballyogan Recycling Park also accepts garden waste and a range of household hazardous wastes and bulky items which incur a vehicle based charge. To assist people, the recycling centres also promote the reuse of items and provide tips on how to recycle.



RESOURCE MANAGEMENT

NO	ACTION	TIMEFRAME	LEAD(S)	INDICATORS	TARGET(S) IMPACTED
ACTIONS CURRENTLY BUDGETED					
WASTE MANAGEMENT					
R1	Monitor and enforce waste regulation	Ongoing	WERLA and Enforcement	Environmental Performance Assessment from EPA	
R2	Assess waste in Council-owned and operated buildings and plan actions to be taken	Ongoing	Facilities Management	Report outlining current situation and plan of action to be taken	
R3	Run staff recycling awareness campaign	Ongoing	Environment and Climate Change	# of campaigns held	
R4	Identify neighbourhoods/ areas in region in need of bring banks	Ongoing	Environment and Climate Change	# of areas identified, # of new bring banks established	
R5	Apply for Local Authority Prevention Network grants	Ongoing	Environment and Climate Change	# of grants for waste-related projects	
R6	Develop Stop Food Waste campaigns in DLR	Ongoing	Environment and Climate Change	# of people engaged	
R7	Continue environmental awareness campaigns to support public in their efforts to manage their resource use	Ongoing	Environment and Climate Change	# of campaigns held	
R8	Promote Reuse Month annually	Ongoing	Environment and Climate Change	# of Council run events	
R9	Promote and support Circular Economy Initiatives	Ongoing	Environment and Climate Change	# of initiatives supported	
R10	Use ecoMerit programme to advise businesses on how to become resource efficient	Ongoing	Environment and Climate Change	# of businesses participating	
R11	Secondary School Eco Conference	Ongoing	Environment and Climate Change	Continued participation of schools in conference workshops	
R12	Maintain and increase Green Schools Programme participation	Ongoing	Environment and Climate Change	# of schools participating	
R13	Work in partnership with resident/community groups in climate-related programmes	Ongoing	Environment and Climate Change	# community groups	
LITTER & RECYCLING IN THE PUBLIC REALM					
R14	Run anti-dumping and anti-litter campaigns using SBIR challenges	Ongoing	Smart Dublin, Environment and Climate Change	# of campaigns, # of people reached	
R15	Anti-dumping initiatives/ anti-litter campaigns, including the promotion of free WEEE and battery recycling	Ongoing	Environment and Climate Change	# of campaigns, # of people reached	






NO	ACTION	TIMEFRAME	LEAD(S)	INDICATORS	TARGET(S) IMPACTED
R16	Marine litter clean up days	Ongoing	Environment and Climate Change	# of days held, # of participants	
R17	Introduce leaf composting programme	Ongoing	Environment and Climate Change	# of residents' associations participating	 
R18	Support and promote local Tidy Town initiatives	Ongoing	Environment and Climate Change	# of initiatives supported annually by Council	 
R19	Monitoring of Big Belly Bins in County	Ongoing	Cleansing	Reduced energy consumption of fleet, # of bins in County	 
R20	Collaboration with Refill.ie to reduce single use drinking water bottles	2019	Environment and Climate Change	Feasibility assessed	 
R21	Examine feasibility of a community fridge programme	2019	Environment and Climate Change	Feasibility assessed	 

PROCUREMENT

R22	Climate-related evaluation criteria in all DLRCC tenders. Use the EPA Green Procurement Guidance for the Public Sector to support sustainable procurement procedures	2019	Corporate Services	Criteria developed and implemented	
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ACTIONS AWAITING BUDGET

R23	Expand housing assistance programme to include tenant waste and water awareness	2020	Housing, Environment and Climate Change	Programme developed	 
R24	Waste management guidelines developed for developers of new housing schemes	2020	Housing, Environment and Climate Change	Guidelines are developed and signed off on	

EXAMPLES OF RELEVANT LEGISLATION/POLICIES/GUIDANCE

- Climate Action and Low Carbon Development Act 2015
- Directive 2008/98/EC on Waste (Waste Framework Directive)
- dlrcoco County Development Plan 2016-2022 (Policies EI16; SIO5; SI19; SN3; SN29; QH02)
- Dún Laoghaire-Rathdown Litter Management Plan 2018-2020
- Dún Laoghaire-Rathdown Local Economic and Community Plan 2016-2021 (Policies 14.7; 16.6)
- Eastern-Midlands Region Waste Management Plan 2015-2021
- Water Services Strategic Plan (2015)