



# 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



## STAKEHOLDERS TO WORK WITH AND INFLUENCE



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 its respective Minister by the end of November 2019 on the measures it is 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 Regional Waste Office to inform people about what they can and cannot recycle.



Photo Source: Dún Laoghaire-Rathdown County Council

CASE STUDY

#### 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 initiative funded by the Department of Communications, Climate Action and Environment (DCCA) and REPAK. It also partnered with the Regional Waste Management Offices 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. 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 Centre

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
<b>ACTIONS CURRENTLY BUDGETED</b>					
<b>WASTE MANAGEMENT</b>					
1	Monitor and enforce waste regulation	Ongoing	WERLA	Environmental Performance Assessment from EPA	
2	Assess waste in Council owned and operated buildings and plan actions to be taken	Ongoing	Environment and Climate Change	Report outlining current situation and plan of action to be taken	
3	Run staff recycling awareness campaign	Ongoing	Environment and Climate Change	# of campaigns held	
4	Identify neighbourhoods/ areas in region in need of bring banks	Ongoing	Environment and Climate Change	# of areas identified, # of new bring banks established	
5	Apply for Local Authority Prevention Network grants	Ongoing	Environment and Climate Change	# of grants for waste-related projects	
6	Develop Stop Food Waste campaigns in DLR	Ongoing	Environment and Climate Change	# of people engaged	
7	Continue environmental awareness campaigns to support public in their efforts to manage their resource use	Ongoing	Environment and Climate Change	# of campaigns held	
8	Promote Reuse Month annually	Ongoing	Environment and Climate Change	# of Council run events	
9	Use Eco-Merit programme to advise businesses on how to become resource efficient	Ongoing	Environment and Climate Change	# of businesses participating	
10	Secondary School Eco Conference	Ongoing	Environment and Climate Change	Continued participation of schools in conference workshops	
11	Maintain and increase Green Schools Programme participation	Ongoing	Environment and Climate Change	# of schools participating	
12	Work in partnership with resident/community groups in climate-related programmes	Ongoing	Environment and Climate Change	# community groups	
<b>LITTER &amp; RECYCLING IN THE PUBLIC REALM</b>					
13	Run anti-dumping and anti-litter campaigns using SBIR challenges	Ongoing	Smart Dublin, Environment and Climate Change	# of campaigns, # of people reached	
14	Anti-dumping initiatives/ anti-litter campaigns	Ongoing	Environment and Climate Change	# of campaigns, # of people reached	



NO	ACTION	TIMEFRAME	LEAD(S)	INDICATORS	TARGET(S) IMPACTED
15	Marine litter clean up days	Ongoing	Environment and Climate Change	# of days held, # of participants	
16	Introduce leaf composting programme	Ongoing	Environment and Climate Change	Number of residents' associations participating	
17	Support and promote local Tidy Town initiatives	Ongoing	Environment and Climate Change	# of initiatives supported annually by Council	
18	Community fridge programme	2018 onwards	Environment and Climate Change	Programme launched	
19	Monitoring of Big Belly Bins in County	Ongoing	Cleansing	Reduced energy consumption of fleet, # of bins in County	
20	Collaboration with Refill.ie to reduce single use drinking water bottles	2019	Environment and Climate Change	Feasibility assessed	

### PROCUREMENT

21	Climate related evaluation criteria in all DLRC tenders	2019	Corporate Services	Criteria developed and implemented	
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### ACTIONS AWAITING BUDGET

22	<i>Expand housing assistance programme to include tenant waste and water awareness</i>		<i>Housing, Environment and Climate Change</i>	<i>Programme developed</i>	
23	<i>Waste management guidelines developed for developers of new housing schemes</i>		<i>Housing, Environment and Climate Change</i>	<i>Guidelines are developed and signed off on</i>	

### 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; QHO2)
- 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)