



# RESOURCE MANAGEMENT



## OVERVIEW

APPROXIMATELY **35 TONNES** OF RECYCLED MATERIAL IN COUNCIL BUILDINGS IN 2017

WASTE AND WASTE-WATER ACCOUNTED FOR **2.4%** OF THE CITY'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 recycling awareness campaign



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

Developing pilot projects for recycling



Installation of solar compactor bins planned for the City

Creating food waste campaign for businesses/schools



Implementing water conservation campaign in civic buildings

## STAKEHOLDERS TO WORK WITH AND INFLUENCE

GENERAL PUBLIC

IRISH WATER

EASTERN MIDLANDS WASTE REGION

GOVERNMENT DEPARTMENTS

PRIVATE BUSINESSES

COMMUNITY GROUPS, TIDY TOWNS, IBAL





**“ The Waste Management Plan for the Eastern-Midlands Region is the framework for the prevention and management of wastes in a safe and sustainable manner. The scope of the waste plan is broad and ultimately it needs to provide policy direction, setting out what we want to achieve and a roadmap of actions to get us there.**

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

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. DCC is working to reduce the production of waste and protect the environment from contamination by hazardous waste materials and general litter. Most recently, to address illegal dumping across the region, two challenges have been launched - one through DCC Beta Projects and another through Smart Dublin's SBIR programme. DCC has also run anti-dumping initiatives in 2017 and 2018 (targeting illegal dumping) in cooperation with the Department of Communications, Climate Action and Environment.

## WASTE MANAGEMENT

**“ 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)

DCC has a comprehensive waste prevention and recycling programme within the Council and strives to reduce consumption and the waste produced in DCC's buildings and operations. Central to preventing the production of waste is changing the procurement of products used in Council buildings and operations. A priority for DCC is to review procurement procedures and identify opportunities to source local, environmentally-friendly products for use in its operations.

## CASE STUDY



Photo Source: Goran Ivas / Unsplash

### Conscious Cup Campaign - Citizen Led Initiatives

Ireland currently uses well in excess of 200 million disposable cups every year. This is a major issue as the majority of this waste is not recyclable. As part of its waste prevention programme, Dublin City Council is helping to reduce the use of disposable coffee cups both within the Council and the City. This will be done in collaboration with the Conscious Cup Campaign (CCC), which is a partnership between VOICE and the Eastern-Midlands Regional Waste Office.

Internally, the overall aim will be to remove disposable, plastic waste from Dublin City Council buildings. Canteens in the Civic Offices, Marrowbone Lane, Smithfield and the Dublin Fire Brigade Training Centre are encouraging staff to use reusable mugs, instead of disposable cups. The first phase involves tackling the “takeaway culture” on Council premises by switching to biodegradable, single-use cups and reusable cups.

The second phase will see the removal of all biodegradable cups from Council canteens in 2019 and focus purely on reusables. In addition, to tackle the issue city-wide, Dublin City Council, along with Fingal and South Dublin County Councils, carried out a three-week advertising campaign in June 2018 to promote the initiative to the public through various channels (e.g. buses, digital media and radio advertising).



For example, DCC is committed to reducing the use of disposable cups by supporting the Conscious Cup Campaign in its staff canteen and encouraging staff to use reusable cups. 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 31 March 2019 and will be required to report to its respective Minister by end-November 2019 on the measures it is taking to minimise waste generation and maximise recycling.

### LITTER & RECYCLING IN THE PUBLIC REALM



#### **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. DCC is planning to maintain and promote the availability of recycling infrastructure, such as bring centres, across the City. DCC is also actively working with the Eastern Midlands Regional Waste (EMRW) team to inform people about what they can and cannot recycle.

#### CASE STUDY

##### **Solar Compactor Bins**

Dublin City Council currently has more than 3,200 bins across the City, with about 1,200 of these located in the City Centre.

The Council has now awarded a contract to provide solar-powered “compactor” bins in the City, which could reduce the number of on-street litter bins by 20 per cent. These smart bins will have real-time information, which will alert waste collectors when a bin is full and will prevent unnecessary travel for waste collections. The bins have compactor technology to crush rubbish, which enables them to store significantly more waste than normal litter bins.

In addition to this, the Council has also tagged and mapped the City’s bins, so it can ensure that the bins are being prioritised in certain locations, such as areas with high footfall, retail spaces, schools and major transport hubs.

#### CASE STUDY



##### **Recycling Ambassador Programme**

The Recycling Ambassador Programme officially launched on November 29th 2017 and ran until December 2018. It was Ireland’s first large scale community based social marketing project. RAP was funded by the DCCAE, managed by the three RWMOs and delivered by environmental NGO, VOICE.

The programme trained citizens about current recycling practice so that they could become champions of that knowledge within their communities. The pool of community ambassadors hosted interactive recycling workshops, which emphasised the correct presentation of recyclable materials in the green bin and the importance of avoiding contamination, as well as discouraging the use of disposable items.

While the RAP had a national target of directly engaging 15,000 people, it was anticipated that the reach of the project would be far wider, as those attending the workshops were incentivised to spread the word within their social circle and neighbourhood.



## WATER CONSERVATION

Whilst the Dublin Region and Ireland has an abundance of water, this however, does not equate to treated water suitable for drinking. As demonstrated in the aftermath of the snow and storms in the spring of 2018 and the subsequent heat wave during the summer, there are challenges with water supply and delivery in Ireland. While DCC is no longer responsible for water delivery, it will work with Irish Water to ensure that people have security of supply. As such, actions in this plan are also focused on public education around conservation and protection of this valuable resource.

### CASE STUDY

#### Water Conservation in the Civic Offices

Reducing water use in all Council buildings is a priority for DCC. Beginning with the Civic Offices, a range of measures are being implemented to reduce consumption. Motion sensors taps are being installed in all toilets throughout the building, while waterless urinals have been installed throughout Block 2, with plans to expand this to the whole building. The potential for using rainwater and grey water is also being explored.



# RESOURCE MANAGEMENT



NO	ACTION	TIMEFRAME	LEAD DEPT(S)	INDICATORS	TARGET(S) IMPACTED
<b>ACTIONS CURRENTLY BUDGETED</b>					
<b>WASTE MANAGEMENT</b>					
1	Monitor and enforce waste regulation	Ongoing	WERLA and Waste Regulation	Environmental Performance Assessment from EPA	
2	Assess waste in Council buildings and plan actions	Ongoing	Facilities Management, EMWR	Assessment completed	
3	Run staff recycling awareness campaign	Ongoing	Facilities Management, Waste Management Services	% of staff recycling	
4	Identify areas in need of civic amenity sites and waste transfer stations	Ongoing	EMWR	# of areas identified	
5	Apply for LAPN (Local Authority Prevention Network) grants	Ongoing	Waste Management Services and EMWR	# of grants for waste-related projects	
6	Create Stop Food Waste campaign for businesses and schools	Ongoing	Local Enterprise Office, Waste Management Services, EMWR	Campaign developed and implemented	
7	Promote Reuse Month annually	Ongoing	Waste Management Services, EMWR	# of promotional activities	
8	Use €co-Merit programme to advise businesses on reducing waste	Ongoing	EMWR, Local Enterprise Office, Waste Management Services	# of businesses participating	
9	Promote recycling to householders through a range of workshops, talks and programmes	Ongoing	EMWR, Waste Management Services	# of workshops and attendees	
10	Continue to work with the Rediscovery Centre to promote sustainability	Ongoing	Environment and Transportation	# of collaborations	
11	Research and implement sustainable procurement guidelines	2019	CARO, Procurement, Codema	Research complete, findings implemented	
<b>LITTER &amp; RECYCLING IN THE PUBLIC REALM</b>					
12	Run anti-dumping and anti-litter campaigns	Ongoing	Waste Management Services, Communications	# of campaigns	
13	Support and promote Marine Litter clean up days	Ongoing	Waste Management Services, An Taisce	# of days	
14	Solar Compactor Bins provided in City	2018 onwards	Smart Dublin, Waste Services, Roads	# of smart bins added, reduction in waste collections	



NO	ACTION	TIMEFRAME	LEAD DEPT(S)	INDICATORS	TARGET(S) IMPACTED
15	Mapping and tagging of City bins	Ongoing	Waste Management Services	# of bins tagged and mapped	
16	Identify areas in need of recycling infrastructure	2019	Waste Management Services	Areas of need identified	
17	Develop pilot projects for recycling	Ongoing	Waste Management Services	Pilots developed	
18	Engage with relevant stakeholders and deliver an energy efficiency, circular economy and sustainability training programme targeting micro and small enterprises	2019	Local Enterprise Office	SME sign up and roll out training programme	
19	Investigate introducing a leaf composting programme across the City	2019	Waste Management Services, Roads, Parks and Biodiversity	Composting programme introduced, # tonnage of leaves diverted to composting	
20	Support and promote Tidy Towns/ Green Schools/ City Neighbourhoods initiatives	Ongoing	Waste Management Services, Area Departments	# of participants yearly	
21	Develop sustainability guidelines and terms and conditions for any events supported, facilitated or organised by DCC	2019	Waste Management Services, Events Unit, DCC Climate Change Team	Guidance produced, # of events with sustainability terms and conditions	
22	Review terms and conditions for all events approved by DCC to incorporate possible sustainability conditions	2019	Waste Management Services, Events Unit	Guidance produced on terms and conditions	
23	Any events supported, facilitated or organised by DCC will not permit balloon or Chinese lantern releases	Ongoing	Waste Management Services, Events Unit	# of events	
24	DCC to consult with the events industry on alternatives to non-compostable single use food and beverage containers at DCC events	2019	Waste Management Services, Events Unit	Consultation undertaken and submissions received	
25	DCC to select an appropriate event as a pilot to trial alternatives to non-compostable single use food and beverage containers	2019	Waste Management Services, Events Unit	Event selected and trial undertaken	
26	Phase out the use of single use plastic cups from all DCC canteens and replace with the use of ceramic cups and personal reusable cups	2018/2019	Waste Management Services	No single use plastic cups in use in all Dublin City Council canteens	
27	Identify pilot locations for water access points	2019	Environment and Transportation	Sites identified	





NO	ACTION	TIMEFRAME	LEAD DEPT(S)	INDICATORS	TARGET(S) IMPACTED
28	Host and select sites for the Composting Demonstration using Master Composter EPA Stop Food Waste Programme or similar programme to assist sustainable gardening and management of landscaping waste	Ongoing	Parks and Landscape Services, CRES	# of sites	
29	Continue to investigate best practice in street recycling facilities	Ongoing	Environment and Transportation	Report produced	
30	Explore collaboration with Refill.ie to reduce single use drinking water bottles	2019	Environment and Transportation	Feasibility assessed	

## WATER CONSERVATION

31	Implement water conservation campaign in civic buildings	Ongoing	Facilities Management	% reduction in water consumed	
32	Develop and implement an education programme to tackle climate issues related to the water sector	2027	Water Framework Directive Office	Education programme established	

## ACTIONS AWAITING BUDGET

33	Investigate the introduction of green street cleaning; use biodegradable cleaning agents	2019	Waste Management Services	% of agents replaced	
34	Develop sustainable construction waste policy	2020	Housing, Architects	Policy developed and implemented	
35	Trial of low flush toilets in Council headquarters and social housing	2020	Architects	Trial completed	
36	Research feasibility of rainwater harvesting in Council buildings and social housing	2019	Architects	Feasibility study completed	

## EXAMPLES OF RELEVANT LEGISLATION/POLICIES/GUIDANCE

- Climate Action and Low Carbon Development Act 2015
- Directive 2008/98/EC on Waste (Waste Framework Directive)
- Dublin City Development Plan 2016-2022 (Policies CC4; GI1; GI14; SCO1; SIO5; SI19; SN3; SN29)
- Dublin City Council Litter Management Plan 2016-2018
- Dublin City Local Economic and Community Plan (LECP) 2016 – 2021
- Eastern-Midlands Regional Waste Plan (Policies B.2.4; B.4.3; C.1.1; C.1.3)
- Water Services Strategic Plan (2015)