



# RESOURCE MANAGEMENT





## OVERVIEW

WASTE AND WASTE-WATER ACCOUNTED FOR **1.7%** OF FINGAL'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

Implement Climate Awareness Programme for staff



Remove all single use items from Council canteens



Promote 'Reuse Month' annually



Establish a network of public drinking water fountains to help reduce plastic waste



Support marine litter clean up initiatives



Trial recycling bins in regional parks



## STAKEHOLDERS TO WORK WITH AND INFLUENCE

GENERAL PUBLIC

GOVERNMENT DEPARTMENTS

IRISH WATER

PRIVATE BUSINESSES

EASTERN MIDLANDS WASTE REGION

COMMUNITY GROUPS, TIDY TOWNS, IBAL



**3** 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 provides policy direction, setting out what we want to achieve and a roadmap of actions to get us there. The waste management plan is a statutory document prepared by the local authorities of the region and it covers the period from 2015 to 2021, after which time it will be revised or replaced.

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

The Eastern Midlands Waste Regional Office (EMWRO) is responsible for the implementation of the region's Waste Management Plan. The EMWRO is managed by Dublin City Council, as the lead authority for the waste region. Its role includes the following:

- Providing education and advice to households and communities to empower them to reduce, reuse and recycle
- Working hand-in-hand with local authorities to achieve waste prevention and resource efficiency targets
- Working with businesses to rethink their approach to waste management, by viewing our waste as valuable material resources
- Providing education and advice to households and communities to empower them to reduce, reuse and recycle
- Partnering with a range of stakeholders including local authorities, government bodies, waste industry operators, environmental organisations, reuse organisations, research institutions and so on, to research and devise sustainable solutions for specific waste streams

FCC is working to reduce the production of waste and protect the environment from contamination by hazardous waste materials and general litter.

## 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)

FCC will introduce a comprehensive waste prevention and recycling programme within the Council, and will strive to reduce consumption and the waste produced in FCC'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 FCC is to review procurement procedures and identify opportunities to source locally-sourced, environmentally-friendly products for use in its operations. 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 of 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.

### CASE STUDY

#### Conscious Cup Campaign - Citizen Led Initiatives

The Conscious Cup Campaign (CCC) aims to reduce the use of disposable cups in organisations around the country, and is a partnership between Voice of Irish Concern for the Environment (VOICE) and the Eastern Midlands Waste Regional Office. By signing up to the movement, organisations agree to offer incentives to customers for bringing their own cups, such as a monetary reduction, or other rewards such as an extra loyalty stamp or a free treat. Fingal County Council has been actively promoting this initiative by working with the other Dublin Local Authorities to carry out an advertising campaign (e.g. radio campaign, cinema ads) to encourage the use of reusable cups among the public.



Photo Source: Goran Ivas / Unsplash



## CASE STUDY

**Illegal Dumping SBIR Challenge**

Fingal County Council is part of the Smart Dublin programme, which, 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

**WATER CONSERVATION**

While the Dublin Region has an abundance of water, this however, does not equate to treated water suitable for drinking. As demonstrated with extreme weather events in 2018, there are challenges with water supply and delivery in Ireland. While FCC is no longer responsible for water delivery, FCC 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.

FCC will also lead the way with measures to reduce water consumption in Council buildings; for example, the installation of sensors on all taps and researching the feasibility of using grey water for toilets.

**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. FCC is planning to expand the availability of recycling infrastructure, such as Bring Centres across the County, to reduce the amount of recyclable materials that go to landfill. FCC is also actively working with the Eastern Midlands Regional Waste (EMRW) team to inform people about what they can and cannot recycle.

## CASE STUDY

**Recycling Ambassador Programme**

Fingal County Council supported the Recycling Ambassador Programme, which was a VOICE initiative funded by the Department of Communications, Climate Action and Environment (DCCAE) and REPAK. The programme 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. 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



# RESOURCE MANAGEMENT

| NO  | ACTION  | TIMEFRAME    | LEAD DEPT(S)                        | INDICATORS  | TARGET(S) IMPACTED |
|---|---|--------------|-------------------------------------|---|--------------------|
| <b>ACTIONS CURRENTLY BUDGETED</b>                 |   |              |                                     |   |                    |
| <b>PROCUREMENT</b>                                |   |              |                                     |   |                    |
| <b>R1</b>   | Implement green procurement where feasible, starting with office consumables  | 2019         | Corporate                           | Green procurement implemented                       |                    |
| <b>R2</b>   | Implement green procurement at Council supported events where feasible, including reduction of single use plastics                    | 2019         | Economic & Tourism                  | Green procurement implemented at events             |                    |
| <b>WASTE MANAGEMENT</b>                           |   |              |                                     |   |                    |
| <b>R3</b>   | Implement Environmental Management System for Council buildings including reduction in waste and water usage, and increased recycling | 2019         | Facilities Management / Environment | EMS implemented                                     |                    |
| <b>R4</b>   | Remove all single use items from Council canteens   | 2018 onwards | Facilities Management               | 100% removal  |                    |
| <b>R5</b>   | Apply for Local Authority Waste Prevention Network grants   | Ongoing      | Water Services and Environment      | # of grants for waste-related projects              |                    |
| <b>R6</b>   | Promote Conscious Cup Campaign  | Ongoing      | Climate Action / Communications     | # of activities, # of people reached                |                    |
| <b>R7</b>   | Promote 'Reuse Month' annually  | Ongoing      | Climate Action / Communications     | # of Council events                                 |                    |
| <b>R8</b>   | Promote recycling centres and expand the range of materials accepted where possible   | Ongoing      | Operations / Environment            | Tonnage of materials accepted                       |                    |
| <b>R9</b>   | Promote and support circular economy initiatives  | Ongoing      | Economic & Tourism                  | # of initiatives undertaken                         |                    |
| <b>LITTER &amp; RECYCLING IN THE PUBLIC REALM</b> |   |              |                                     |   |                    |
| <b>R10</b>  | Trial recycling bins in regional parks  | 2019         | Operations                          | # of bins   |                    |
| <b>R11</b>  | Implement a programme for the installation of big belly bins across the County to reduce collection frequencies and emissions         | 2019         | Operations                          | # of bins   |                    |
| <b>R12</b>  | Support and promote the inclusion of climate change initiatives in tidy town, green schools and cleaner communities                   | Ongoing      | Climate Action                      | # of initiatives supported by the Council each year |                    |
| <b>R13</b>  | Support marine litter clean-up initiatives  | Ongoing      | Environment / Operations            | # of initiatives supported by the Council each year |                    |
| <b>R14</b>  | Explore collaboration with Refill. ie to reduce single use drinking water bottles   | 2019         | Water Services and Environment      | Feasibility assessed                                |                    |
| <b>LANDFILL MANAGEMENT</b>                        |   |              |                                     |   |                    |
| <b>R15</b>  | Maintain landfill gas collection and reuse system at Dunsink and Balleally Landfill   | Ongoing      | Water Services and Environment      | Practically zero GHG emissions by 2030              |                    |












| NO  | ACTION  | TIMEFRAME | LEAD DEPT(S)                   | INDICATORS  | TARGET(S) IMPACTED  |
|-----|---|-----------|--------------------------------|---|---|
| R16 | Look at feasibility of planting trees on Dunsink Landfill | 2019      | Water Services and Environment | % increase in tree coverage in line with future Master Plan |  |

## WATER CONSERVATION

|     |  |           |                              |  |   |
|-----|--|-----------|------------------------------|--|---|
| R17 | Provide a water butt retrofit programme for Council-owned housing on a cost benefit basis, starting with voids and tenant changeovers                        | 2019      | Housing                      | # of water butts installed   |  |
| R18 | Assess the feasibility of including rainwater harvesting on all new Fingal public, operational and social buildings and provide where viable and appropriate | Ongoing   | All Departments / Architects | # assessed and provided  |  |
| R19 | Incorporate low flush toilets into Council buildings, depots and housing, in line with refurbishment programmes  | 2019-2020 | Facilities Management        | # of low flush toilets incorporated in Council buildings, depots and housing |  |

## AWARENESS

|     |  |              |                                       |                       |   |
|-----|--|--------------|---------------------------------------|-----------------------|---|
| R20 | Develop and implement an ongoing public Climate Change Awareness Programme                                       | 2019 onwards | Climate Action / Comms / CARO         | Programme implemented |   |
| R21 | Implement a Climate Awareness Programme for staff  | Ongoing      | HR / Comms / Climate Action           | Programme implemented |   |
| R22 | Develop and implement a Climate Change Awareness Grant Programme for schools and communities                     | 2019 onwards | Climate Action                        | Programme implemented |   |
| R23 | As part of an emerging 'Green City' concept to produce <i>A Guide to Sustainable Business in Swords</i>          | 2020         | Economic & Tourism                    | Guide produced        |   |
| R24 | Expand tenant induction programme to include tenant energy, water, waste and environmental awareness             | Ongoing      | Housing / Climate Action / Architects | # of tenants reached  |   |
| R25 | Pilot Climate Action workshops with Tidy Town committees to promote awareness of climate action at a local level | 2020         | Climate Action                        | # of workshops        |    |

## ACTIONS AWAITING BUDGET

|     |  |           |                                    |                            |   |
|-----|--|-----------|------------------------------------|----------------------------|---|
| R26 | Establish a network of public drinking water fountains to help reduce plastic waste  | 2019-2024 | Operations                         | # of points installed      |   |
| R27 | Examine the feasibility of retrofitting rainwater harvesting measures in existing Council buildings, particularly for vehicle washing, toilet flushing and landscaping | 2019-2020 | Facilities Management / Architects | Feasibility study complete |    |

## EXAMPLES OF RELEVANT LEGISLATION/POLICIES/GUIDANCE

- Climate Action and Low Carbon Development Act 2015
- Directive 2008/98/EC on Waste (Waste Framework Directive)
- Fingal Development Plan 2017-2023 (Objectives WM05)
- Eastern-Midlands Regional Waste Plan (Policies B.4.3; C.1.1; C.1.3)
- Water Services Strategic Plan (2015)