



**NOTIFICATION TO ATTEND MEETING OF THE ENVIRONMENT SPC
TO BE HELD IN THE COUNCIL CHAMBER, CITY HALL, DAME STREET, DUBLIN 2.,
ON WEDNESDAY, 9 MARCH 2016 AT 4.00 PM**

AGENDA

WEDNESDAY, 9 MARCH 2016

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4 Establishment of a Subcommittee – Waste Regulations	
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"In the wake of the devastation which has been wreaked on both the west coast of Ireland and the midlands in recent weeks arising from the stormy weather, and having regard to the risks arising from high tides and further stormy weather in the coming months, this Council resolves that the Council shall act to ensure that residents along the sea in Sandymount, Irishtown and Ringsend are given adequate protection from the risk of flooding, and notes, in particular, that the system whereby a small number of sandbags are left at gates or made available for collection in containers in car parks along the Strand is inadequate in circumstances where:

- 1) *the relevant car parks are the first areas closed off so cars must be parked on the road which in itself is a traffic hazard;*
- 2) *there is quite a distance to carry the bags to the cars;*
- 3) *Most people can only carry one bag at a time as they are quite heavy. Many, for various reasons, are not in a position to carry a bag at all; and*
- 4) *Many cars can take only circa five bags whereas the requirements in all cases will be for many, many more bags.*

This Council notes further that the alternative to providing comprehensive protection, which is the risk of catastrophic flooding, especially given the intensity of such storms in winter 2015/16, is unacceptable.”

12 Motion referred from the Protocol Committee’s January meeting

91 - 92

“The Manager then referred to a report to be circulated re Postering. Members expressed their displeasure at the recurring breaches of the Postering Protocols and requested that enforcement action be taken, They further requested that the Environment SPC examine current bye-laws, especially in relation to public meetings held by politicians and resultant posters.”

13 A.O.B.



**TO EACH MEMBER OF THE ENVIRONMENT
STRATEGIC POLICY COMMITTEE**

Notification to attend the meeting of the above Committee to be held in the
Council Chamber, City Hall 9th March 2016 at 4.00 pm to deal with the items on the agenda.

DECLAN WALLACE
DIRECTOR OF TRAFFIC

Dated this the 2nd March 2016

Correspondence to :
Ciarán McGoldrick
Tel: 2223862
E-mail:
ciaran.mcgoldrick@dublincity.ie

AGENDA

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2. Matters arising
3. Chairpersons Business
4. Establishment of a Subcommittee – Waste Regulations
5. Revised SPC scheme (report attached)
6. Correspondence (See attached)
7. Draft Litter Management Plan (Plan & report attached)
8. Climate Change Subcommittee update report
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12. Motion referred from the Protocol Committee’s January meeting

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13. A.O.B.

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Revision 4 of Dublin City Council Strategic Policy Committees Scheme 2014 - 2019

Introduction

Under Section 48 Local Government Act 2001, as amended by Section 41 of the Local Government Reform Act 2014, a local authority shall establish by resolution Committees to be known as Strategic Policy Committees to consider matters connected with the formulation, development, monitoring and review of policy which relate to the functions of the local authority and to advise the local authority on those matters.

Following the Local Elections in May 2014, Dublin City Council considered a draft SPC Scheme at its meetings on the 23rd June, 7th July and 1st September 2014, in line with the Guidelines published by the DoECLG entitled “Strategic Policy Committees Guidelines for Establishment & Operation” August 1999 and the Guidelines set out in Circular LG07/2014 – both of which are now underpinned by the LG Act 2001 and the Local Government Reform Act, 2014. At its meeting on the 6th October 2014, the City Council approved the final Dublin City Council Strategic Policy Committees Scheme 2014 – 2019, setting out the full membership as agreed at that time. On the 10th November 2014, the City Council approved a revision of the SPC Scheme as set out in Report No 130/2015.

The process of setting up the PPN (Public Participation Network) in Dublin City was completed in late 2015 and the sectoral places previously held by the Dublin City Community Forum become PPN places. Elections were held and nominees were chosen to represent the PPN on the relevant SPCs. At its meeting on the 11th January 2016 the City Council considered Report No 19/2016 and agreed that as the Environmental Pillar was subsumed into the PPN the places on two SPCs previously allotted to it should be re-designated as PPN places.

Proposed Revisions

Also included in the above-mentioned (Report No 19/2016) were proposals to further revise the Scheme to realign SPC responsibilities to take account of re-allocation of responsibilities between different Council Departments. In some cases proposed changes necessitated a change in the name of the SPC. The City Council deferred consideration of these proposed changes. Following further consultation with Members of the City Council, a revised SPC Scheme (copy attached) is now being put forward for City Council approval. I refer to discussion on this issue at last month’s CPG meeting and I set out below the proposed changes and the rationale for same.

(1) Emergency Services

Emergency Services which include the Fire Brigade and the DFB Emergency Ambulance service are currently attached to the Finance SPC. It is now proposed that a new Special Committee of **15 Councillors** be established to deal with this very important issue, **3 Members each from both Sinn Fein and Independents, 2 Members each from Fianna Fail, Fine Gael & Labour and 1 Member each from PBPA, Green Party and Left Technical Group.** The Committee will report directly to the City Council. The Chairperson should be selected by the full City Council. The Committee would cover the Fire Brigade, the DFB emergency ambulance service, Civil Defence, fire prevention, and emergency planning for the City Council area.

The budget for this service is €100m and there are over 1,000 staff members. I consider that a separate Committee comprise of all Councillors is justified in the context of the importance of this service and its ancillary elements together with various reform programmes for the service currently being advanced. It will always be difficult to give adequate time to this issue if it is just part of a SPC that has many other functions to address. The Special Committee would be administered and served by Brendan Kenny, Deputy Chief Executive and by management in Dublin Fire Brigade and would report directly to the City Council by way of breviate of each meeting. **Dr Caroline McMullan of Dublin City University who has particular expertise in the area of emergency planning will be invited to attend the meetings of this new committee.**

(2) Tourism

These issues are currently attached to the Planning SPC. I consider that it is more appropriate that they be attached to the Economic Development and Enterprise SPC where there is already a Sub Committee established to work on tourism issues in Dublin. There is a close and strategic connection between these two issues and all the work being done on Events and Festivals which comes under the remit of the Arts SPC. It will be important to ensure that both SPC's link up appropriately on Tourism, International Relations, Events and Festivals. I am proposing that Tourism should move from the Planning SPC to Economic Development and Enterprise SPC but Events and Festivals should stay with the Arts SPC.

(3) Community

Currently this issue is attached to the Arts SPC, but because this SPC has a very wide range of other issues, Community does not get the time or attention that is both necessary and appropriate. In addition over recent years the Community Development function at a strategic level has become particularly focussed on the new programmes on SICAP, PPN, and LECP which are addressed on an ongoing basis by the Local Community Development Committee (LCDC) The more traditional role of Community Development in the City - Community Grants and local community initiatives - are handled in the main by the Area Committees and I see this situation continuing. Therefore I am proposing that Community Development issues such as SICAP, LECP, Partnership Companies, Youth/Children policies should be moved from the Arts SPC to the Local Community Development Committee (LCDC) which reports directly to the City Council.

(4) Markets and Casual Trading

In the main these issues are currently handled by the Arts SPC but I consider it is more appropriate for them to be dealt with by the Economic Development and Enterprise SPC.

I am therefore recommending that a Committee, to be entitled the '**Special Committee on Emergency Services**', be set up as outlined above. I also recommend that certain responsibilities be transferred between SPCs or to that Special Committee as outlined above and incorporated into the attached revised Dublin City Council SPC Scheme 2014 – 2019. Some changes in the titles of certain SPCs are also included in the revised Scheme in line with the transfer of responsibilities as set out above.

The revised Dublin City Council SPC Scheme 2014 – 2019 as set out in the attached Appendix is recommended to the City Council for approval.

Owen P Keegan
Chief Executive
Dublin City Council

Dated this 1st day of February 2016



Comhairle Cathrach
Bhaile Átha Cliath
Dublin City Council

Strategic Policy Committee

Scheme

2014 – 2019

**(as revised on the 10th November 2014,
11th May 2015, 11th January 2016
and
1st February 2016)**

Appointment of Chairs Designate

Dublin City Council at its meeting on 23rd June 2014 established seven SPCs and appointed Councillors to be the Chairs Designate to each SPC as follows :

Mary Freehill	Arts, Culture, Recreation and Community SPC (replaced by Rebecca Moynihan on the 5 th October 2015)
Paul McAuliffe	Economic Development & Enterprise SPC
Naoise O Muirí	Environment SPC
Ruairi McGinley	Finance & Emergency Services SPC
Criona Ni Dhalaigh	Housing SPC (replaced by Daithi Doolan on the 6 th July 2015)
Andrew Montague	Planning & International Relations SPC
Ciaran Cuffe	Transportation SPC

Councillor Membership of the SPCs

Councillors were appointed to the SPCs at meetings on the 7th July, 1st September and 22nd September 2014. The following is the complete list :-

Membership of Strategic Policy Committees 2014 – 2019				
Name of Committee	Councillor	Cllrs	Sectoral Members	Total
Arts, Culture & Recreation SPC	Mary Freehill			
Arts, Culture & Recreation SPC	Vincent Jackson			
Arts, Culture & Recreation SPC	Gary Gannon			
Arts, Culture & Recreation SPC	Damian O'Farrell			
Arts, Culture & Recreation SPC	John Lyons			
Arts, Culture & Recreation SPC	Rebecca Moynihan (Chair)			
Arts, Culture & Recreation SPC	Jim O'Callaghan			
Arts, Culture & Recreation SPC	Kate O'Connell			
Arts, Culture & Recreation SPC	Séamas McGrattan			
Arts, Culture & Recreation SPC	Emma Murphy			
Arts, Culture & Recreation SPC	Greg Kelly			
Arts, Culture & Recreation SPC	Séan Haughey			
Arts, Culture & Recreation SPC	Áine Clancy			
Arts, Culture & Recreation SPC	Claire Byrne	14	7	21
Economic Dev & Enterprise SPC	Paul McAuliffe (Chair)			
Economic Dev & Enterprise SPC	Vacant			
Economic Dev & Enterprise SPC	Tina MacVeigh			
Economic Dev & Enterprise SPC	Deirdre Heney			
Economic Dev & Enterprise SPC	Alison Gilliland			
Economic Dev & Enterprise SPC	Brendan Carr			
Economic Dev & Enterprise SPC	Gaye Fagan			
Economic Dev & Enterprise SPC	Noeleen Reilly			
Economic Dev & Enterprise SPC	Kate O'Connell			
Economic Dev & Enterprise SPC	Noel Rock	10	5	15
Environment SPC	Naoise Ó Muirí (Chair)			
Environment SPC	Andrew Keegan			
Environment SPC	Catherine Ardagh			
Environment SPC	Ciaran O'Moore			
Environment SPC	Denise Mitchell			
Environment SPC	Declan Flanagan			
Environment SPC	Claire Byrne			
Environment SPC	Michael O'Brien			
Environment SPC	Mannix Flynn			
Environment SPC	Brid Smith	10	5	15

Membership of Strategic Policy Committees 2014 – 2019

Name of Committee	Councillor	Cllrs	Sectoral Members	Total
Finance SPC	Ruairi McGinley (Chair)			
Finance SPC	Nial Ring			
Finance SPC	Paddy Bourke			
Finance SPC	Brid Smith			
Finance SPC	Mícheál Mac Donncha			
Finance SPC	Noeleen Reilly			
Finance SPC	Larry O'Toole			
Finance SPC	Ray McAdam			
Finance SPC	Brendan Carr			
Finance SPC	Dermot Lacey			
Finance SPC	Tom Brabazon			
Finance SPC	Paddy McCartan	12	6	18
Housing SPC	Críona Ní Dhálaigh			
Housing SPC	Christy Burke			
Housing SPC	Cieran Perry			
Housing SPC	Pat Dunne			
Housing SPC	Sonya Stapleton			
Housing SPC	Ray McAdam			
Housing SPC	Anthony Connaghan			
Housing SPC	Chris Andrews			
Housing SPC	David Costello			
Housing SPC	Patrick Costello			
Housing SPC	Alison Gilliland			
Housing SPC	Noel Rock			
Housing SPC	Daithí Doolan (Chair)			
Housing SPC	Tina MacVeigh			
Housing SPC	Gary Gannon			
Housing SPC	Janice Boylan	16	8	24
Planning, International Relations & Property Dev SPC	Andrew Montague (Chair)			
Planning, International Relations & Property Dev SPC	Éilis Ryan			
Planning, International Relations & Property Dev SPC	Áine Clancy			
Planning, International Relations & Property Dev SPC	Daithí De Róiste			
Planning, International Relations & Property Dev SPC	Cathleen Carney Boud			
Planning, International Relations & Property Dev SPC	Kieran Binchy			
Planning, International Relations & Property Dev SPC	Dermot Lacey			
Planning, International Relations & Property Dev SPC	Críona Ní Dhálaigh			
Planning, International Relations & Property Dev SPC	Janice Boylan			
Planning, International Relations & Property Dev SPC	Patrick Costello		10	5
Transportation SPC	Ciaran Cuffe (Chair)			
Transportation SPC	Paul Hand			
Transportation SPC	Teresa Keegan			
Transportation SPC	Frank Kennedy			
Transportation SPC	Paddy Smyth			
Transportation SPC	Paddy McCartan			
Transportation SPC	Larry O'Toole			
Transportation SPC	Ray McHugh			
Transportation SPC	Jane Horgan-Jones			
Transportation SPC	Kieran Binchy			
Transportation SPC	Ciaran O'Moore			
Transportation SPC	Mannix Flynn	12	6	18

Sectoral Membership of the SPCs

Sectoral organisations were selected by the Councillor Membership of the SPCs and were appointed to the SPCs at a meeting on the 22nd September 2014.

The following is a complete list :-

APPROVED SECTORAL ORGSANISATIONS	
Strategic Policy Committee	Name of Selected Applicant Body
Arts, Culture & Recreation SPC	Public Participation Network
Arts, Culture & Recreation SPC	Irish Sports Council
Arts, Culture & Recreation SPC	Royal Irish Academy of Music
Arts, Culture & Recreation SPC	Children's Books Ireland
Arts, Culture & Recreation SPC	The Little Museum of Dublin
Arts, Culture & Recreation SPC	Dublin Theatre Festival
Arts, Culture & Recreation SPC	NCBI
Economic Development & Enterprise SPC	The Temple Bar Company
Economic Development & Enterprise SPC	Assoc. of Consulting Engineers in Ireland (ACEI)
Economic Development & Enterprise SPC	Inner City Enterprise (ICE)
Economic Development & Enterprise SPC	Small Firms Association
Economic Development & Enterprise SPC	Dublinia Ltd.
Environment SPC	Public Participation Network
Environment SPC	Public Participation Network
Environment SPC	An Taisce – the National Trust for Ireland
Environment SPC	Disability Federation of Ireland (DFI)
Environment SPC	Docklands Business Forum
Finance SPC	Public Participation Network
Finance SPC	IBEC
Finance SPC	Dublin Chamber of Commerce
Finance SPC	Dublin City Business Association
Finance SPC	ICTU
Finance SPC	Dublin City University (Dr Caroline McMullan)
Housing SPC	Alone Organisation
Housing SPC	Peter McVerry Trust
Housing SPC	Disability Federation of Ireland (DFI)
Housing SPC	Threshold Limited
Housing SPC	The Royal Institute of the Architects of Ireland
Housing SPC	Dublin Simon Community
Housing SPC	Irish Council for Social Housing (ICSH)
Housing SPC	Ballyfermot Travellers Action Project
Planning & Development SPC	Kim Mulligan, Chambers Ireland
Planning & Development SPC	Public Participation Network
Planning & Development SPC	Irish Planning Institute
Planning & Development SPC	An Taisce – the National Trust for Ireland
Planning & Development SPC	John McGrane from the British/Irish Chamber
APPROVED SECTORAL ORGSANISATIONS (contd)	

Strategic Policy Committee	Name of Selected Applicant Body
Transportation SPC	NCBI
Transportation SPC	Public Participation Network
Transportation SPC	Dublin City Business Association
Transportation SPC	Irish Road Haulage Association
Transportation SPC	Dublin Cycling Campaign
Transportation SPC	Dublin BIDs Co

AREAS OF RESPONSIBILITY FOR EACH OF THE SEVEN SPCs

The following areas of responsibility were approved for each SPC by the City Council at its Meeting on the 23rd June 2014 :-

(1) ARTS, CULTURE, RECREATION AND COMMUNITY SPC

- Area partnerships To LCDC
- Archives
- Arts
- Casual Trading To Economic Development & Enterprise SPC
- Community Development To LCDC
- Control of Horses & Dogs
- Culture
- Events & Festivals
- Galleries
- Higher Education Grants
- Libraries
- Museums
- Music
- Parks and Open Spaces
- Natural Environment
- School Meals
- Social Inclusion/Integration To LCDC
- Sports and Recreation Centres
- Sports Development
- Youth Development & Policies To LCDC

(2) ECONOMIC DEVELOPMENT AND ENTERPRISE SPC

- Casual Trading from Arts SPC
- Economic Development
- Enterprise Support
- Tourism From Planning SPC
- Markets (additional Item)

(3) ENVIRONMENT SPC

- Air/ Water (Raw) Quality
- Environmental Protection
- Environmental Sustainability
- Waste Management
- Surface water Drainage
- Flood Protection
- Litter Management

(4) HOUSING SPC

- Architecture

- Housing Issues – General, Supply, Refugees, Travellers, Welfare, Disability, Homeless and Standards

(5) FINANCE AND EMERGENCY SERVICES SPC

- Finance
- Motor Tax
- Rates
- Procurement
- Risk Management
- Audit Committee (minutes only)
- Corporate Governance
- Annual Financial Statement
- Budget – Capital & Revenue
- ~~Emergency Planning~~ To Special Committee for Emergency Services
- ~~Dublin Fire Brigade~~ To To Special Committee for Emergency Services
- Local Property Tax

(6) PLANNING, INTERNATIONAL RELATIONS & PROPERTY DEVELOPMENT SPC

- Property Management
- Strategic Projects
- Forward Planning
- Planning Services
- Development Management
- International Relations
- Regional Planning Guidelines
- Urban Renewal
- Heritage
- Conservation
- Archaeology
- Building Control
- ~~Tourism~~ To Economic Development & Enterprise SPC

(7) TRANSPORTATION SPC

- Cycling
- Environmental Traffic Planning
- Parking Control and Enforcement
- Pedestrian Facilities
- Public Transport
- Roads & Road Safety
- School Wardens
- Taxi Ranks
- Traffic Control and Management
- Public Lighting
- Fleet Management
- Commercial / Goods Movement

National Contact Points of Key Stakeholders

Pillar	Name & Address	Telephone and e-mail
Business	Kim Mulligan	01-4004300
	Chambers Ireland 22-24 Lower Mount Street Dublin 2	kim.mulligan@chambers.ie
Trade Unions	Fergus Whelan	01-8897777
	Irish Congress of Trade Unions (ICTU) Head Office 31-32 Parnell Square Dublin 1	9helan.whelan@ictu.ie
Environment	Michael Ewing	071-9667373
Now included in PPN	Environment Pillar – Coordinator Knockvicar Boyle Co Roscommon	michael@environmentalpillar.ie
Dublin City Public Participation Network (PPN)	Ms Bernie Doherty, Dublin City PPN Block 3, Floor 1 Civic Offices, Wood Quay, Dublin 8	01-2222855 or 01-2225081 ppn@dublincity.ie

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Seirbhísí Bainistíochá Dramhaíola,
An Roinn Comhshaoil agus Iompair,
68/70 Lana Mhuire Mhaith, Baile Átha Cliath 8.



Waste Management Services
Environment and Transportation Department,
68/70 Marrowbone Lane, Dublin 8

10th March, 2016

Litter Management Plan 2016 - 2018

I am pleased to present to you today the Litter Management Plan 2016 – 2018. You may recall that earlier last year we undertook an extensive non-statutory consultation phase to assist us with preparing a Draft Litter Management Plan for the City. Submissions were invited from a wide range of stakeholders such as voluntary, groups, residents associations, elected representatives, businesses in the City and key members of DCC staff. I addressed the Environment SPC and all the Area Committees at the time inviting submissions on what should be included in this new Draft Litter Management Plan for 2016-2018. The public non-statutory consultation phase was very successful and 124 written submissions were received along with input from 39 members of staff.

From these findings, objectives and targets were formulated with the aim of improving the standard of cleanliness throughout the City over the period from 2016 – 2018 and the Draft Litter Management Plan was prepared.

The key objectives of the 2016-2018 Litter Management Plan are:-

- To reduce litter by working with our citizens to make Dublin a welcoming environment for all who live in, work in and visit the City.
- To communicate the litter prevention message throughout Dublin City.
- To ensure that there is an effective and efficient street cleaning operation in place throughout the City.
- To use all available enforcement options under the Litter Pollution Acts 1997-2009 and the Bye Laws to prosecute litter offenders whenever possible.

By taking an integrated approach to meet the objectives and targets as set out within the plan, we have created a practical and sustainable Litter Management Plan for the City.

The Draft Litter Management Plan went out on Statutory Public Consultation in early January 2016 for a period of 5 weeks and two dates were set aside to facilitate oral submissions on the Draft Plan. A total of thirty four submissions were received following the statutory public consultation. This included one oral presentation.

The key issues identified after the non-statutory and statutory public consultation period were:-

- Street cleaning
- Dog fouling
- Litter and Illegal Dumping

Some summary measures within the Litter Management Plan include:-

- An improved cleaning strategy for Urban Villages and Suburban Areas.
- DCC has made a significant investment in upgrading its street sweeping fleet over the last year with 18 compact Sweepers and 8 new large Road Sweepers for the City. This will improve our street cleaning capability for the years ahead.
- An improved street washing programme between April and October.
- DCC will provide an online bulky waste collection from April 2016.
- All litter bins in the City will have a unique ID number; we will undertake a condition survey of all litter bins together with a planned cleaning and painting regime.
- New litter bin policy will set out the parameters as to where litter bins should be placed e.g. beside schools, shops etc.
- Litter bins that are being abused will only be removed as a last resort.
- DCC will continue to actively remove graffiti around the City.
- Joint approach with the Parks Division to combat the serious dog fouling issue.
- Continuation of compliance surveys and enforcement blitz campaigns including a Citywide dog fouling enforcement exercise based on the successful model trialled in South Central Area last year.
- Installation of additional litter bins/dog fouling bins in or in close proximity to every enclosed park in the City.
- DCC will work closely with residents associations who can assist with removing cars off a road for a two hour period to allow a road sweeper to clean the street.
- The inaugural Team Dublin Clean-Up for Saturday 26th March will be our flagship project for 2016. Hopefully this will become an annual event.
- DCC will promote the use of social media for the reporting of litter related issues and for communicating what street cleaning we do with members of the public.
- To target litter issues particularly cigarette litter outside pubs, bookies and other commercial premises.
- To carry out on street trials in the City Centre of segregated public litter bins.
- Bring centres will be open on Sundays from April until the end of September.
- Implementation of the LMP will be monitored annually through a set of tangible objectives and targets and will report back to the SPC.
- We are examining smart bin technologies that are available with a view to the introduction of smart street bin technology in Dublin.
- We will prepare a submission on legislative requirements to support our enforcement activities.

Brian Hanney
Senior Executive Officer
Waste Management Division
Environment & Transportation Department



Comhairle Cathrach
Bhaile Átha Cliath
Dublin City Council



Litter Management Plan 2016-2018

Keep Dublin Clean with the Clean Dublin Team!



Acknowledgements

Dublin City Council wishes to acknowledge and express its thanks to the individuals, organisations, elected members and staff who contributed to the formulation of this Litter Management Plan during the consultation and review process. A broad range of views were received by Dublin City Council through the non – statutory consultation phase held in March 2015 and the statutory consultation period held in January and February of 2016.

We engaged the services of Patel Tonra Ltd., Environmental Solutions, to assist us in the preparation of this important plan for the City. Patel Tonra Ltd. worked closely with the Waste Management Services team to produce a Litter Management Plan based on a sensible and effective way forward to deliver a clean Capital City.



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1. Introduction and Background

This Litter Management Plan is presented by Dublin City Council for the three year period 2016 to 2018. Dublin is our capital city; over half a million residents call the city “home” and an additional 57,000¹ commute to the city for work and education each day. The city is a prime tourist destination, welcoming visitors each year from all across the world. In recent years, Dublin has forged a reputation as a thoroughly modern city in which to do business; it has emerged as a hub for numerous internet and technology companies and start-ups. It is a focal point for international and national sporting occasions, as well as for entertainment and events of national historical significance. It is within this rich cultural and varied context that Dublin City Council has prepared this Litter Management Plan, reaffirming its responsibility to create a welcoming environment for all those who visit, live and work in the City.

Dublin City Council decided to consult widely with members of the public and other interested parties in addition to complying with the specific legislative requirements set out in the Litter Pollution Act 1997 to 2009 in the preparation of the plan. Individuals, residents, community groups, businesses and politicians were all called upon to give their thoughts and suggestions on litter issues in the City. The Council also consulted with its litter wardens and cleansing staff – those at the front line of litter management, prevention and enforcement in the city.

What is litter?

Litter is defined in the Litter Pollution Act 1997-2009. In summary, this definition means that any object or substance regardless of size, which is disposed of improperly (i.e. not deposited in a litter bin or authorised waste facility) and is likely to become unsightly or unsanitary is considered to be litter. This can range, for example, from a single coffee cup or cigarette butt discarded on the street or thrown from a car window, to the dumping of larger volumes of litter or waste like furniture.

By taking this approach, Dublin City Council was able to take an inclusive account of the concerns of the citizens of Dublin, as well as the practical day to day experience of its staff. The result is a concise, useful and deliverable plan, which will help to keep the streets of Dublin City clean, as we look forward to economic growth and stability, including social prosperity.

The 2016-2018 Litter Management Plan for Dublin City Council was prepared using a new and streamlined approach, to formulate a plan which is focused on the key issues of litter management in the City. The plan sets out the objectives for preventing and managing litter and how Dublin City

¹ Census 2011

Council aims to achieve these objectives, through the integrated use of resources, partnership and enforcement to deliver a cleaner, greener City for all.

Dublin City at a Glance



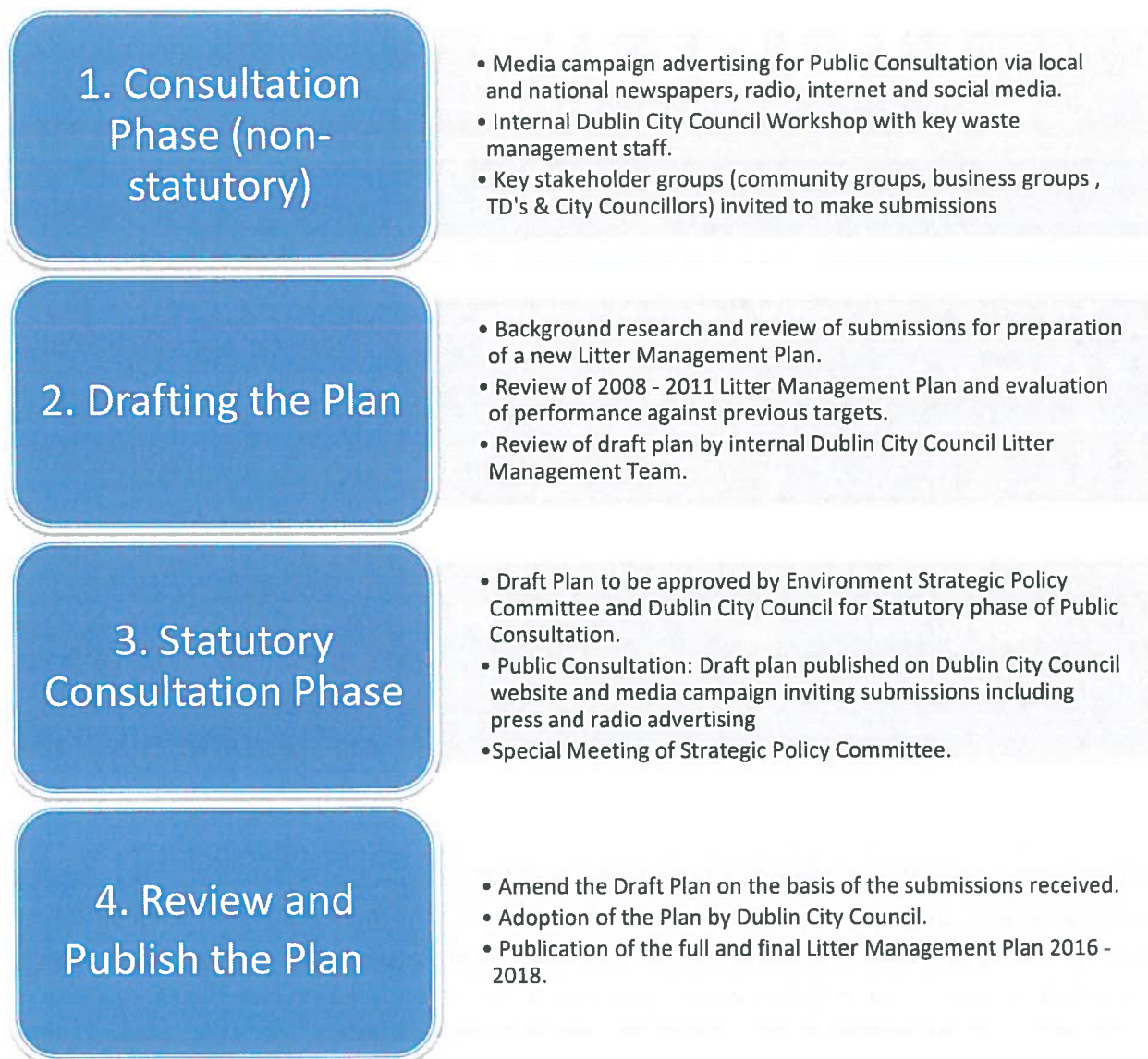
Approach and Methodology

A four phase approach was taken in preparing the draft Litter Management Plan 2016-2018, as shown in the schematic, overleaf. As part of the multi-stage process of formulating a new Litter Management Plan for the City, Dublin City Council actively pursued public participation through a non-statutory consultation phase. Submissions were invited prior to drafting of the Plan from voluntary and community groups/organisations, residents associations, members of the public, elected representatives and members of the SPC, and key members of Dublin City Council staff. The public



non-statutory consultation phase proved very successful; 124 written submissions were received along with input from 39 members of staff. 34 further submissions were received during the statutory consultation period. Oral submissions were invited to be made on two specific dates and one oral submission was made in respect of the plan.

Four Stage Approach to Drafting the Litter Management Plan 2016-2018





2. Review of the Previous Litter Plan (2008-2011)

The previous Litter Management Plan was published by Dublin City Council in 2008. The 2008-2011 Plan described the activities and resources to be put in place by Dublin City Council for the management of litter over this period. A summary report on actions over the period 2008-2015 is presented below.



Litter Management and Street Cleaning

LITTER BINS

A litter bin survey was completed across the city in 2013. It was confirmed during the course of the survey that there are approximately 3,500 bins in the City. This litter bin survey is currently being updated.

BIN EMPTYING AND MAINTENANCE

The servicing of litter bins varies depending on the location of the individual bin. Bins in the City Centre area are serviced a number of times per day due to high usage and prominent location. In suburbs and urban villages, bins in small local retail areas are serviced twice per day. Bins in residential estates are generally serviced once a day. A specialised crew look after the maintenance and repair of bins across the City. Issues relating to servicing and maintenance of bins may be reported via Dublin City Council's customer service centre.

NEW EQUIPMENT FOR STREET CLEANING

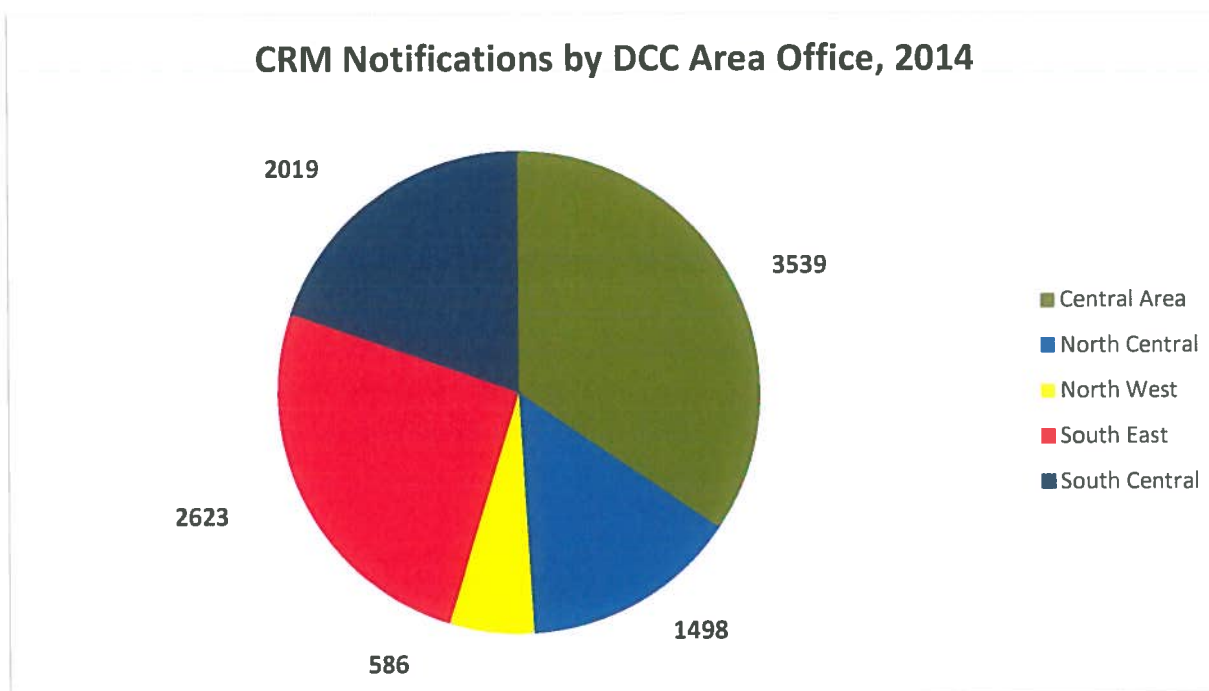
Dublin City Council has made a significant investment in upgrading its operational street cleaning fleet. A new three year fleet contract was put in place in May 2015. A new fleet of 18 compact sweepers were introduced in May 2015. The upgraded fleet also contains hot power washers, specialist pavement cleaners for street furniture and dog fouling. Refuse freighters are hired for bulky waste and Christmas tree collections. Leaf collection units which fit to the back of refuse freighters are hired for leaf collection in the autumn.

Customer Relationship Management (CRM) System

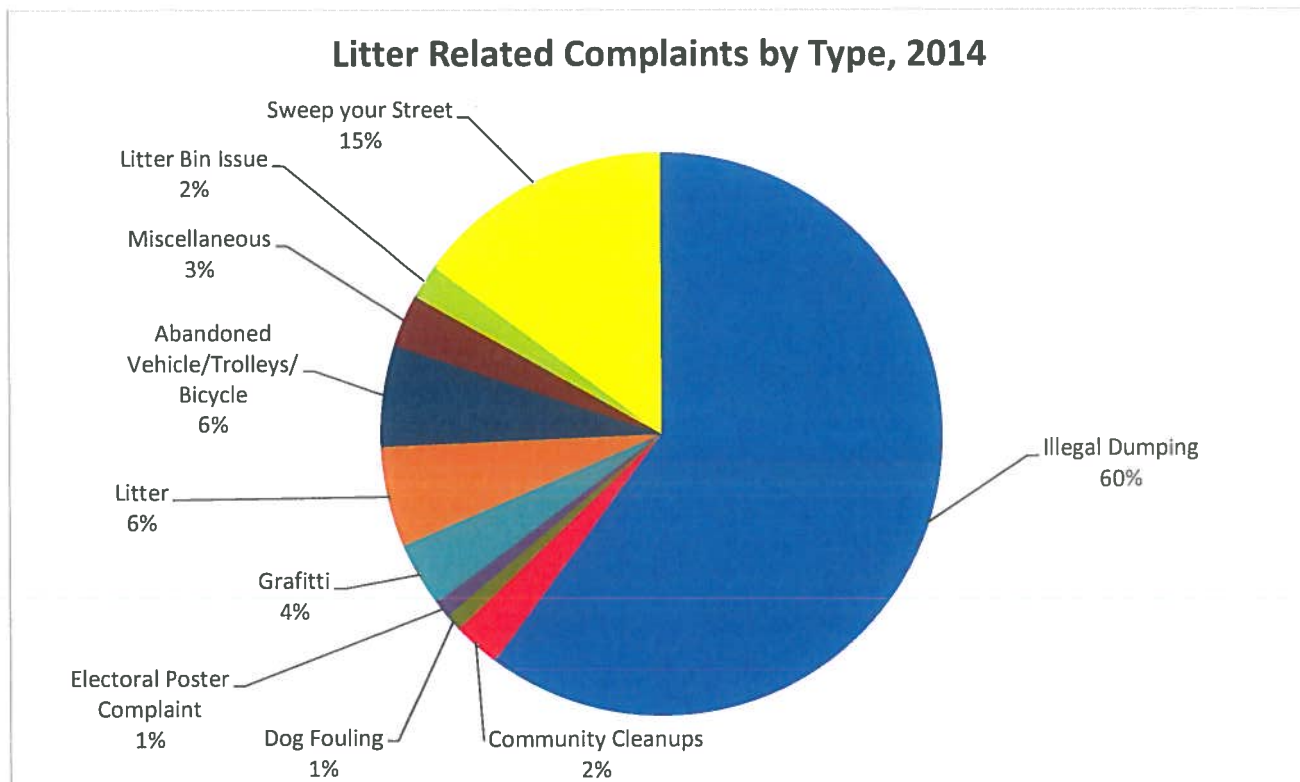
The Customer Relations Management (CRM) system was introduced in 2005 for capturing feedback and complaints relating to litter management throughout the City. The CRM System provides Dublin City Council with information regarding littering and other incidents, and allows the council to communicate with Litter Wardens and Cleansing crews to address these issues.

The CRM system also allows for notifications to be classified by type, for example a notification of littering, or through specific channels such as the 'Sweep your Street' requests from members of the public. In 2014, two thirds of the litter related notifications through the CRM system were related to incidences of illegal dumping.

Examples of Data Collected and Used by Dublin City Council CRM System, 2014



The CRM system allows Dublin City Council to track complaints and notifications of incidences of litter by Area Office. This allows the Council to identify black spots and deploy resources to areas where there is a greater need for them.



The chart above shows the wide variety of notifications and complaints received by Dublin City Council in 2014 and recorded on the CRM system. The percentage relating to each category is also shown for 2014.

Education

A Litter Education Pack was produced by Dublin City Council in 2008 and was circulated for use to all primary and secondary schools nationwide. The success of the pack has reached far beyond schools in Dublin City, with the pack being requested for use in schools in the United Kingdom, Australia and United States of America.

Dublin City Council Litter Wardens have visited and made presentations to many primary schools across the City in order to help educate school children about their work and keeping Dublin clean. In addition, the Green Schools Officer has actively raised littering and illegal dumping issues through their work with the Green Schools Programme.



Graffiti

CLEANING AND REMOVAL

Dublin City Council devotes significant resources towards the removal of graffiti. 25,400m² of graffiti was removed in 2014 using a dedicated in-house graffiti removal crew together with third party contractors. All incidences of graffiti treated by the crew are logged on a GIS² based technology system. The system allows for the scheduling, dispatch and logging of jobs as well as allowing staff to feedback to the system, with the ability to upload before and after photographs and reports from the field.

The graffiti crews' efficiency and effectiveness have received praise from both businesses and the public alike.

Dublin City Council has committed that 100% of racist graffiti and material deemed to be of a political or sensitive nature will be removed within 48 hours. A specialist graffiti removal contractor is used to remove this type of graffiti in addition to any graffiti which may be present on a listed building in the City.

LOVE THE LANES GRAFFITI ART PROJECT, TEMPLE BAR

The Love the Lanes project was a collaboration between Dublin City Council and The Temple Bar Company to pilot solutions and interventions to address anti-social issues in the Laneways in Temple Bar.



The goal of the project was to reactivate these lanes for people to use and enjoy through creative intervention. In 2014, there was an open call for ideas and the response from the public was remarkable. Of the 60 proposals and ideas received, 10 proposals were shortlisted. Six ideas were implemented on the Laneways of Temple Bar with the support of residents and businesses during the summer. The main focus of the project was Adair and Bedford Lanes, Copper Alley and Crampton Court.

² The GIS based system is a remote technology which uses cloud computing and mobile apps to effectively manage staff working out in the field.

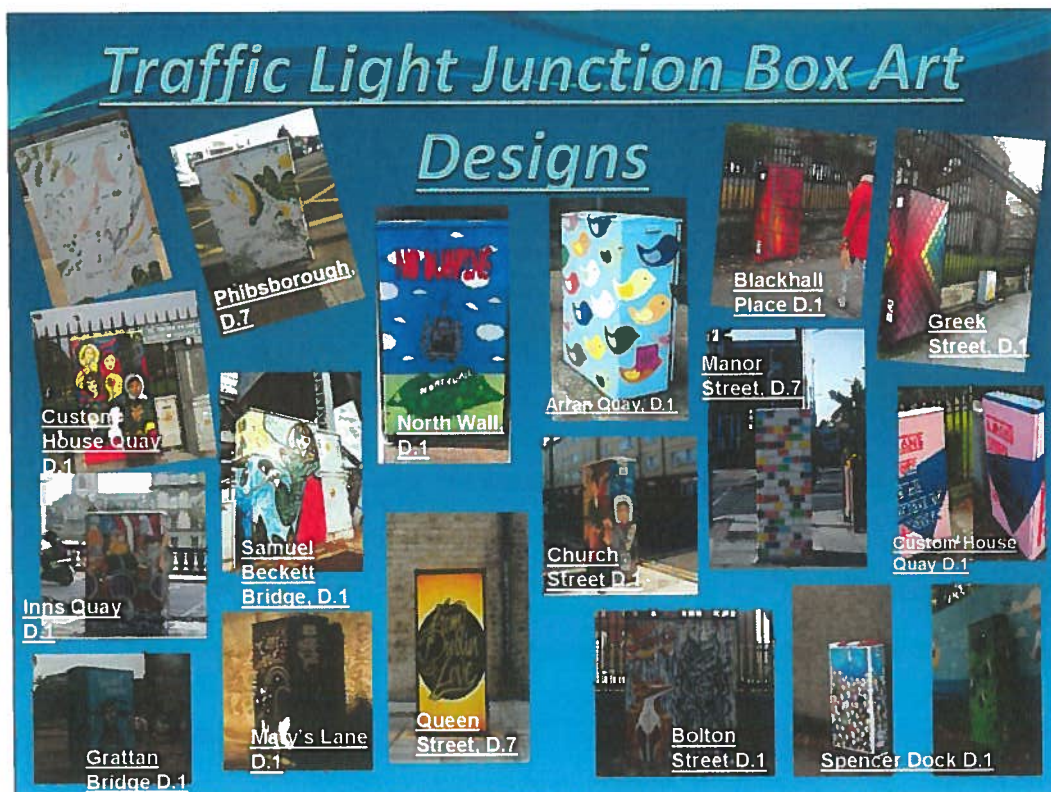


EDUCATION

A new anti-graffiti video is being developed by the South East Area office targeting the 8 – 12 year old age group who may potentially become future ‘taggers’. It is intended that this will become part of a citywide campaign and the video will be available to all areas and also rolled out to schools. There will also be close liaison with An Garda Síochána and Waste Management Services.

THE BETA PROJECT/DUBLIN CANVAS

The issue of heavy tagging and graffiti on traffic signal boxes located across the city was highlighted as part of the Dublin City Beta Project. In response to this, a Beta trial was organised to have a selection of these boxes decorated to see if this would deter incidences of graffiti. The success of the project was recognised and the process formalised in 2015 as Dublin Canvas. The art covered boxes have led to a significant reduction in graffiti and there has been a favourable response, in general, from members of the public. There are currently 44 boxes decorated around the city. The scheme will be expanded further in 2016.





Other Initiatives

DOG FOULING

Dog fouling bins were removed across the city to deter the placing of domestic waste in the bins. In their place, a scheme distributing free doggie bags was rolled out with an accompanying media campaign. *The doggie bags can be disposed of in any public litter bin.*

A suite of 3,000 anti-dog littering signs were purchased in 2014 and erected across the city. A further 3,000 signs were purchased in 2015 and are now in place. The signs are visually appealing and bi-lingual.

BYE-LAWS

Bye-Laws for *Prevention & Control of Litter* and Bye-Laws for the *Storage, Presentation and Collection of Household & Commercial Waste* were introduced and implemented in

2013. The Bye-Laws included the introduction of single day collection in the City. The single collection day has made a real difference to controlling and regulating waste collections, particularly in the suburbs.

Bye-Laws for Prevention & Control of Litter establish that takeaways and licensed premises are responsible for ensuring that the area outside their premises is litter free. The Bye-Laws also make it necessary to have a permit for the distribution of advertising material in the City.

The Bye-Laws for the *Storage, Presentation and Collection of Household & Commercial Waste* apply to householders and commercial premises, placing an onus on them to ensure that their wastes are collected by a permitted contractor and taken to a licensed facility. Under the Bye-Laws, the times for waste presentation and collections are strictly controlled.

A summary of Litter Prevention Bye-laws and all necessary documentation were distributed to businesses in the City and continue to be distributed when a premises is visited by Litter Wardens.

In 2010, Dublin City Council reached an arrangement with newspaper producers and an annual permit was issued for the distribution of newspapers in the City. Distribution of free newspapers in the City has now ceased.



ENFORCEMENT

Dublin City Council Litter Wardens are the front line of litter management in the City through the enforcement of the Litter and Waste Management Bye-Laws.

At present, Litter Wardens are working with the North Inner City Litter Action Group (NICLAG) to ensure all households are compliant with the waste bye-laws. This initiative has been very successful, with the rate of compliance from households with waste disposal arrangements in place going up from 31% to 55%. A similar exercise in the South Inner City has worked well and the templates used in both areas will assist in developing a citywide enforcement approach going forward.

In 2014, Dublin City Council litter wardens dealt with approximately 10,265 litter related complaints, including issues such as fly tipping, dog fouling, shop fronts and general littering.

CCTV was installed at ten illegal dumping black spots across the City, which has acted as a deterrent to fly tipping at these locations.

ENFORCEMENT DATA FOR 2014

Item	Number
No. of Litter Wardens	18
Fines issued	2290
Fines paid	698
Number of prosecution cases taken (because of non-payment of on-the-spot fines)	542
Number of successful prosecutions secured	44

3. Objectives for the 2016-2018 Litter Management Plan

Overarching Objectives of the 2016-2018 Litter Management Plan

1. Reduce litter by working with our citizens to make Dublin a welcoming environment for all who work, live in and visit the City.
2. Communicate the litter prevention message throughout Dublin City.
3. Ensure that there is an effective and efficient street cleaning operation in place throughout the city.
4. Use all available enforcement options under the Litter Pollution Acts 1997 - 2009 and the Bye Laws to prosecute litter offenders whenever possible.

There are three key areas around which the 2016 -2018 Litter Management Plan has been structured: **Resources, Partnership and Enforcement**. Under each individual area various actions for litter management and litter prevention are outlined and these are to be undertaken during the lifetime of the plan. Specific actions to deal with the problem areas of dog fouling and illegal dumping are provided. The plan has been prepared in conjunction with the requirements set out within the Litter Pollution Act 1997 to 2009 and takes account of the findings of the non-statutory and statutory consultation phases which included submissions from members of the public, residents association, business groups and the internal Dublin City Council consultation with cleansing and litter management staff. From these findings, objectives and targets have been formulated which aim to improve the standard of cleanliness throughout the City over the three year period from 2016 – 2018. By taking an integrated approach to meet the objectives and targets set out within the plan, we create a practical and sustainable Litter Management Plan for the City.





Resources

During the recent economic downturn, Dublin City Council staffing levels fell across all areas, not least in the Waste Management and Cleansing Divisions. The 2016 -2018 Litter Management Plan sets out how Dublin City Council will make best use of the reduced resources available to it during the period of the plan, combining greater provision of technology with fully trained staff to ensure that a high standard of street cleaning is delivered throughout the City.

CLEANING STRATEGY FOR URBAN VILLAGES AND SUBURBAN AREAS

The current cleaning strategy in place for Dublin's Central Business District was put in place during the lifetime of the previous Litter Management Plan for the City. The focus of the 2016 - 2018 Litter Management Plan is to ensure that our neighbourhoods are cleaned to the same high standard as the City Centre. It is recognised that areas outside of the Central Business District, mainly suburban villages, require increased cleaning and bin servicing, particularly during the evenings and at weekends. Dublin City Council aims to develop an effective cleaning strategy for these areas that will see an increase in the frequency of street cleaning in accordance with the requirements for the area. A street washing programme will also be implemented between April and October each year, beginning in summer 2016.

STREET CLEANING SCHEDULE

Dublin City Council will continue to maintain and update regularly the website www.dublincity.ie/StreetSweeping which allows members of the public to access information on when their street is cleaned. This website which is being updated at present will also be updated to include information on supplementary services introduced in suburban villages throughout the City.

ROAD SWEEPING SERVICE

Dublin City Council will introduce a road sweeping service, at the request of local residents or community groups. On these days, residents will be asked to assist with removing their cars for a two hour period, so that the entire street can be thoroughly cleaned. Information on how to request this service will be available on the Dublin City Council website from March 2016.

BULKY WASTE COLLECTION

Dublin City Council will introduce an online Bulky Household Waste Collection Service from April 2016. Details of the service and charge will be available on www.dublincity.ie. The bulky waste collection is for items that are too large to be accepted by the regular waste collection service e.g. furniture, carpets,

bikes and kitchen & bathroom units. Residents will be able to request this service “on demand” via the Dublin City Council website and customer services centre.

USE OF TECHNOLOGY

Dublin City Council will avail of the latest technology in order to address the litter problems in the Central Business District during the lifetime of 2016-2018 Litter Management Plan. New innovations such as smart litter bins using GPS and GIS technology will be assessed, piloted and adopted if feasible. It is recognised that technology can result in cost savings in staff time, fleet and fuel.

Dublin City Council will continue to use the Customer Relationship Management system for the logging of incidences of litter throughout the city. The CRM system will play a pivotal role in the identification of “hotspots” of littering, illegal dumping and other litter related incidents. By logging and tracking the data on the Customer Relationship Management system, Dublin City Council can assign staff and fleet to the areas where they are most needed.

Dublin City Council will continue to use the GIS system during graffiti removal and will continue to look for new technology to incorporate into the management and maintenance of the street cleaning fleet. This will ensure that its performance is optimised, which will allow the Council to expand its use in other areas (for example, the removal of illegally dumped items).

DEPLOYMENT OF UPGRADED FLEET

Dublin City Council has made a significant investment in upgrading the fleet and equipment during the period of the previous plan. Compact street sweeper units, additional large street sweeper units and power-washing units were made available for use. The Council aims to continue to upgrade the fleet throughout the City from 2016 onwards, which will result in greater efficiency in street cleaning operations and a cleaner City.

Some of the key additional pieces of equipment available for use in the City include three pavement cleaners, which are specifically designed for cleaning street furniture and the removal of dog fouling incidences.

At present there are three handcarts in operation in the City. Dublin City Council aims to increase this number to ten during the implementation of this plan.



The Council have obtained two specialised units to assist with leaf removal. Leaf litter is a persistent issue in the autumn as there are many tree lined streets and avenues throughout the City. Fallen leaves clog drainage systems, decompose when wet and catch other pieces of windblown litter, making street cleaning difficult and inefficient with traditional road sweepers. The units will be used where necessary to remove fallen leaves and leaf litter.

The Council have refuse freighters available for Bulky Waste collections. The freighters will assist with the removal of large, bulky illegally dumped items and for the collection of old Christmas trees in the post-Christmas period.

LITTER BINS

Dublin City Council aims to create a litter bin implementation policy for the City in 2016, setting out key criteria for the location of litter bins. Bus stops, neighbourhood shops, main thoroughfares, schools, parks, hospitals will be considered as priority areas for the siting of litter bins. Dublin City Council will endeavour to ensure that all enclosed Parks will have a litter bin/dog fouling bin either within the Park or in close proximity to the Park by the end of 2016.



The policy will lay out specific criteria for the installation or removal of litter bins. Under the new implementation policy, abuse of a bin (e.g. using the bins for the disposal of household waste) will not necessarily be a reason for removal except under extreme circumstances.



Dublin City Council aims to improve its information and data systems regarding the management of litter bins in the City, to assist with counting, recording and monitoring the litter bins by using the latest GIS technology. To achieve this, every bin in the city will be provided with a unique numerical identification. The plan is that this unique I.D. could be quoted and logged on the CRM when bins are found to be damaged or over-flowing. The systems will be updated regularly to take into account the removal or

addition of new bins

There has been an increasing trend of successful deployment of smart bin technologies in cities that incorporate features such as sensors that communicate back to the street cleaners when they are full. The use of accompanying software that allows for optimization of routes for cleaning schedules and provision of real time data information. Dublin City Council will investigate how this type of technology might be utilised successfully in the City.

Dublin City Council will put in place a litter bin cleaning and painting regime. Bins are proposed to be cleaned once every week in the Central Business District, and every two weeks in suburban villages. Litter bins will be repaired on an as required basis. Dublin City Council intends to put in place a rolling programme of bin painting with priority given to City Centre locations.

Dublin City Council will review and consider the introduction of small mounted litter receptacles at traffic lights and bus stops for the disposal of chewing gum and cigarette butts.

Dublin City Council will assess the latest designs of segregated type bins that facilitate recycling and put in place a trial of this type of bin to promote on street recycling.

Dublin City Council will review the design of bins used throughout the city to discourage the practice of illegally placing household waste in litter bins. The review will consider the inclusion of a space for anti-littering messages (such as *'Keep Dublin Clean with the Clean Dublin Team'* or *'Love Dublin, Hate Litter'*) and communications promoting a cleaner City as well as to issue information regarding fines and enforcement matters. In addition, the Dublin Docklands Authority is currently providing 35 bins for the Docklands Strategic Development Zone.

GRAFFITI AND POSTER REMOVAL

Dublin City Council will continue to implement the current graffiti removal policy and will continue to engage a specialist graffiti removal contractor for the rapid removal of graffiti of a sensitive or political nature.

Dublin City Council will continue to support projects which provide graffiti artists with dedicated spaces to create modern urban art in such a way that enhances the cityscape. Dublin City Council will continue to implement the 2014 Posters Protocol³. The protocol has resulted in better control of poster for

³ Posters Protocol: Posters/Notices promoting commercial events are prohibited. A voluntary agreement has been reached through the Posters Protocol to exhibit posters advertising public meetings. Permission must be obtained in advance from Dublin City Council.



events in the City. The exclusion zones of Henry Street, Grafton Street and O'Connell Street have been well observed.

CA SITES, BRING CENTRES AND BOTTLE BANKS

The Dublin City Council website www.dublincity.ie details the opening hours (including summer opening hours) of recycling facilities across the City as well as listing all materials accepted at these sites. The main City bring centres including Oscar Traynor Road, Collins Avenue, Grangegorman, Windmill Road and Rathmines will be open on Sundays during the Summer months as this initiative has proven to be very popular with the public.

In 2016, "pay by weight" legislation will be introduced for the collection of waste material across the country. In view of this, Dublin City Council will be considering the implementation of a nominal gate fee for accessing CA sites and Bring Centres.

Details of current charges incurred for use of these facilities are available on www.dublincity.ie.



Partnership

Many of the submissions received during the Public Consultation exercise were from individuals, business groups and residents associations based throughout the City. The submissions showed the sense of pride Dubliners have for their City and a desire to make it the best it can be. In order for the 2016-2018 Litter Management Plan to be successful, Dublin City Council must engage with citizens, community and Business Groups to keep Dublin litter free for all of those who live and work in the City.

WORKING WITH COMMUNITY GROUPS

Dublin City Council will continue to support and promote the Fix Your Street initiative and Adopt-a-Street Initiative throughout the city. [#adoptastreetdub](#)

Dublin City Council will actively engage with the various Resident Associations and Groups to promote



local community co-operation and assistance in dealing with litter related issues. Dublin City Council will work with these groups at a local level to develop action plans to deliver local objectives. The Council will, where possible, devolve decision making to residents and use their local knowledge and insight to assign resources and target litter management issues affecting the community.

Dublin City Council will continue to assist residents groups with community clean-ups by providing them with necessary equipment such as litter pickers and litter bags. Dublin City Council will remove all waste collected once the clean-up has been completed.

WORKING WITH STATE BODIES

Dublin City Council have fostered and sustained a relationship with various public and private bodies that assist with graffiti removal and keeping the city streets clean. Dublin City Council aims to formalise the current partnership in place with the Probation Services to continue and build on the success of this work to date during the lifetime of this plan.



KEY EVENT: TEAM DUBLIN CLEAN UP 2016 – “KEEP DUBLIN CLEAN WITH THE CLEAN DUBLIN TEAM”

Dublin City Council plan to host their largest ever community clean up on Saturday, March 26th 2016.

Dublin City Council will encourage volunteers to come out in force for a couple of hours in organised community events. The event is based on small community clean ups and Adopt the Street schemes across the City.

Dublin City Council will provide participants with clean-up packs containing a high-vis vest, litter picker, bag, hand sanitizer and gloves. Dublin City Council will facilitate the collection of bags after the clean-up is completed. It is hoped that volunteers from community groups, schools and businesses will provide a helping hand in making the project a success for the celebrations.

Further information on the event and details on how to register to take part in this event can be found on www.teamdublincleanup.ie

Dublin City Council hopes that this event will become an annual event on the calendar during and after the lifetime of this plan. [#keepdublinclean](https://twitter.com/keepdublinclean)





BUSINESS PARTNERSHIPS

Dublin City Council will continue to actively engage with businesses throughout the City. Licensed premises have a responsibility to ensure that the area outside their premises is free from cigarette butts and swept regularly. Commercial premises are required to keep the area outside their premises clean and free from litter. Dublin City Council Litter Wardens, Public Domain Officers and Environmental Liaison Officers will continue to visit premises throughout the city and engage with business owners on these issues.

Business Responsibilities for Litter

The Litter Pollution Acts 1997-2009 puts a number of legal responsibilities on Businesses to control litter. The following are offences under the Act:

- Failure to keep footpaths, pavements and gutters adjacent to premises litter free (cigarette butts, receipts, wrappers etc.).
- Putting up posters or signs without authorisation or placing advertising flyers on cars.
- Placing commercial waste in a public litter bin.
- Dumping material in an area other than a waste receptacle or authorised waste facility.
- Mobile operators and organisers of major events have additional responsibilities.

EDUCATION

Educating and informing our citizens about the part they can play in keeping the City clean is important. “Report it” education campaigns will be run to empower citizens to report incidents of illegal dumping so that they can be resolved quickly.

The Green Schools Programme is an environmental management system and an award scheme that promotes whole school action for the environment. Dublin City Councils Green Schools Officer will continue to work with schools across the City to promote and assist the roll out of the Green Schools Programme. This includes primary, post-primary and third level institutions.

IRISH BUSINESS AGAINST LITTER (IBAL)

Dublin City Council will continue to work on the recommendations made by Irish Business Against Litter (IBAL) monitoring reports. Dublin City Council actively carries out site assessments on locations identified by IBAL to address the issues highlighted by the monitoring

reports.

As a result of recommendations made in the reports, Dublin City Council engages with state bodies and landlords with regards to litter and property management issues. Dublin City Council have increased street cleaning frequencies, where required, and promoted Community Environmental Projects.

One of the Dublin City Council responses to the IBAL reports centred on initiatives to increase compliance with waste bye-laws. Dublin City Council carried out door-to-door enforcement surveys in problematic areas where illegal dumping and non-compliance with waste bye law requirements was prevalent.

Dublin City Council will continue to engage with IBAL to inform them of the progress of these initiatives and how Dublin City Council are responding to the results of the surveys.

COMMUNICATION POLICY

Dublin City Council has recognised that the way in which information is communicated to the public has moved from the traditional channels of print media to online and social media channels. The Dublin City Council website is vital for providing information on its services. Dublin City Council also maintains a presence on Twitter and Facebook.

Dublin City Council will continue to use radio and newspaper advertisements to communicate and inform citizens on anti-littering strategies. The Dublin City Council customer service department is happy to provide information on services such as Sweep your Street and the online Bulky Waste Collection service via telephone. This information is also available from local area offices.

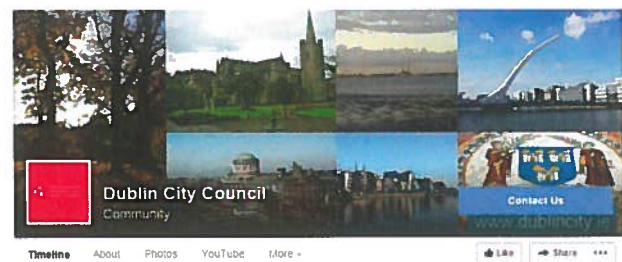
SOCIAL MEDIA

Social media is an important resource in fostering relationships with the public. Facebook, Twitter and Instagram are widely used and provide excellent platforms for communication with local citizens. The use of these platforms is two-fold. They allow citizens to quickly report litter related issues to Dublin City Council in real time, with good locational accuracy while on their daily commutes, doing the school run or going shopping. They allow Dublin City Council to access as many people as possible with information on upcoming events or in the promotion of Dublin City Council initiatives such as Adopt a Street, community leaf removal etc. Hashtags (#) have been included throughout this plan for use during the promotion of certain initiatives.

Social Media will play a vital part in our campaign against dog fouling, illegal dumping and littering generally.

Dog Fouling

Dog fouling was the single biggest issue raised by Dubliners during the public consultation for this litter management plan, with over one third of all submissions citing it as an issue in the City. By



working with dog owners and educating them on the correct way to dispose of the dog litter, as well as making them aware of the penalties for not cleaning up after their dogs, Dublin City Council and the dog owners of Dublin can help eliminate the scourge of dog fouling from the City streets.

An interdepartmental group has been established to develop a policy for responsible dog ownership which is clear, coherent and acknowledges the important value of dogs to the quality of life of their owners. The policy will also reflect the needs of others in the community, particularly the elderly and children, to have public spaces which are safe and clean for rest, relaxation, recreation and play. The plan is to fully engage and work with dog interest groups and dog walkers across the City. By making picking up dog litter acceptable and visible in this way, we can affect the behaviour of many, and make dog fouling socially unacceptable.

LITTER BINS IN PARKS

Litter bins for the disposal of dog foul will be strategically reinstated in the City's Parks or in close proximity to Parks.

Dublin City Council will continue to encourage and support the **"Any Bag, Any Bin"** campaign.

STREET CLEANING

Dublin City Council will identify dog litter black-spots that require regular power washing to remove dog litter, particularly around beaches, coastal routes and other amenity areas during the busy summer period.

Dublin City Council will provide free doggie bags to community groups for use during their clean up days.

TECHNOLOGY

Dublin City Council will examine the possible role of audio devices which play pre-recorded audio messages reminding walkers to look after their dog litter in dog litter black spots across the City. Small audio devices are fitted to lamp-posts in areas with high levels of dog walkers. The audio messages are played at regular intervals during daytime and early evening.

Dublin City Council are currently trialling these devices to assess their effectiveness at one dog fouling blackspot and also at one bring centre to deter continuous dumping at the site.

EDUCATION AND AWARENESS

Dublin City Council will continue to provide free doggie bags to dog owners through local offices. Information on litter bin locations and other initiatives will also be provided.

Dublin City Council will run a widespread media campaign using bus shelter advertising space and to inform Dubliners about the correct use of litter bins and related dog fouling matters.

A 12 week advertising campaign in Dublin City cinemas has taken place to highlight the issue of food waste. The use of cinema advertising will be considered for promoting other campaigns including graffiti, dog fouling and litter messages.

These campaigns will also encourage citizens to report incidents to the council via the Dublin City Council Litter Hotline: 1800 251 500.

RESPONSIBLE DOG OWNERSHIP

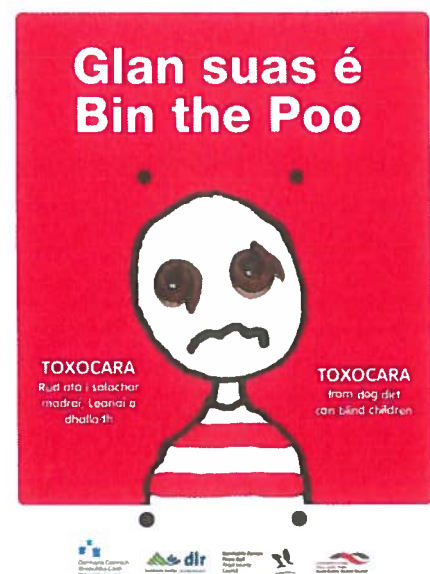
Dublin City Council will continue to support and promote the expansion of the Green Dog Walkers initiative. The Green Dog Walkers initiative is a community led programme, which aims to encourage responsible dog ownership in a positive and friendly way, through building up relationships with other dog walkers. They remind fellow dog owners to pick up after their dog, and carry extra dog litter bags.

ENFORCEMENT

Dublin City Council will build upon recent successful pilot enforcement projects by implementing a citywide dog fouling enforcement project which will target known blackspots across the city and result in increased issuing of fines and prosecutions for Dog fouling offences.

Dublin City Council will run a media campaign and radio adverts on Dublin radio stations about the risk of prosecution for dog owners who do not pick up their dog litter. The campaign will remind dog owners about the fine and possible court appearance for not picking up after their dog.

Dublin City Council will provide training to its Litter Wardens in relation to how to approach and engage people on dog fouling issues.



Illegal Dumping

Illegal dumping and the use of public litter bins for household waste were identified during the consultation phase as significant litter management issues for Dublin. As a direct response to this, Dublin City Council has made it a key focus area for the 2016-2018 Litter Management Plan. Below are the measures set out by Dublin City Council to tackle the problem of illegal dumping in the City.

ENFORCEMENT

Dublin City Council will continue to use CRM Reports to identify black-spots where illegal dumping occurs frequently, and will consider the installation of CCTV surveillance units in these areas to deter offenders. Dublin City Council will invest in clear signage erected to let offenders know CCTV surveillance is in operation and illegal dumpers will be prosecuted.

Dublin City Council will continue to support the role of the Litter Wardens in addressing this issue. Litter Wardens will continue to apply the full rigour of the law to bring prosecutions against offenders.

PARTNERSHIP

Dublin City Council will work with Community Groups and Residents Associations where illegal dumping is a problem to deter illegal dumping activities (similar to Neighbourhood Watch Schemes).

Dublin City Council will support and provide community groups with bags, equipment and waste removal on clean-up day.

Dublin City Council will facilitate members of the public to report incidences of illegal dumping when they come across it through the use of well publicised channels such as the Dublin City Council Litter Hotline: 1800 251 500.

BULKY WASTE COLLECTION CREW

Dublin City Council will introduce an online on-demand Household Bulky Waste Collection Service. Details of the service and materials accepted will be available on the website in 2016.

BRING CENTRES

Dublin City Council will promote opening hours and special opening hours such as Sunday openings during the summer season. Dublin City Council will distribute leaflets outlining what materials can and cannot be deposited at the Bring Centres.

Dublin City Council will continue to promote its recycling facilities and services on its website www.dublincity.ie

In conjunction with WEEE Ireland, Dublin City Council will continue to facilitate WEEE collection days at specific locations across the City. These collection days are advertised on the City Council's website and through social media outlets.

HALLOWEEN

Dublin City Council has in recent years prepared a very successful Halloween Plan, the objective of which has been to reduce the social and environmental consequences of bonfires. Dublin City Council Waste Management Department will continue to work with stakeholders such as Housing Department, Parks Department, Area Offices, Dublin Fire Brigade and An Garda Síochána to continue this success over the lifetime of the Litter Management Plan.

Enforcement

Dublin City Council has a statutory responsibility to enforce the Litter Pollution Act, bye-laws and other relevant regulations. Dublin City Council recognises that while resources and education are required to manage and prevent incidences of littering, enforcement measures are necessary to target individuals and groups who openly ignore the law.

Litter Wardens are the first line of enforcement against litter in the City. They play a pivotal role in ensuring that those who disregard the law in relation to littering and illegal dumping are brought to justice. Their skills, experience and diligence are vital in this regard. They also work with businesses and schools throughout the City in an educational capacity, advising on their legal obligations in relation to preventing litter.

LITTER WARDENS

At present there are 16 Litter Wardens working throughout the City.

Dublin City Council will continue to provide specialist training for Litter Wardens in order to help deal with the evolving littering challenges facing the City. For example, Dublin City Council will provide its Litter Wardens with expert witness training and training on how to approach and engage with dog owners on issues relating to dog fouling.

Littering Fines and Penalties

Leaving or throwing litter in a public place is an offence that can be subject to an on-the-spot fine of €150, or a maximum fine of €4,000 if you are convicted in the District Court. A person convicted of a litter offence may also be required to pay the local authority's costs and expenses in investigating the offence and bringing the prosecution to court.

FINES AND PROSECUTIONS

Litter Wardens will continue to issue on the spot fines and prosecutions to litter offenders across the City. The number of fines that are issued and court prosecutions taken are monitored and measured on a continuous basis and Dublin City Council will continue to do this.

Dublin City Council Litter Wardens will continue to be highly visible to the public, by maintaining the number of high profile foot patrols across the City.

ENFORCEMENT SURVEILLANCE OPERATIONS

CCTV surveillance cameras were placed in ten illegal dumping black-spots across the City between 2008 and 2015, and have proven to be extremely effective. As a result, Dublin City Council will continue the introduction of CCTV surveillance in additional black-spots across the City. Dublin City Council will consider the use of mobile CCTV units where appropriate. CCTV surveillance aids in the identification and successful prosecution of offenders, particularly where vehicles are involved in illegal dumping.

COMPLIANCE SURVEYS AND ENFORCEMENT 'BLITZ' CAMPAIGNS

Door to door compliance surveys have been conducted to ensure that householders have engaged the services of a permitted waste contractor to bring waste refuse to an authorised facility for proper treatment or disposal. This enforcement blitz has proven to be extremely effective.



MEDIA AND EDUCATION CAMPAIGN

Dublin City Council intends to run media and education campaigns (similar to the TV Licence Campaign) to educate and inform citizens of the fines and enforcement penalties that could be levied against them, if they are found to be engaging in littering, illegal dumping or failing to dispose of dog litter in the correct manner. These campaigns will make use of local newspaper, bus shelters, local radio and Dublin City Council social media channels.



DUBLIN CITY COUNCIL ENFORCEMENT PLAN

Dublin City Council will put in place an effective enforcement plan for the City. The aim of the enforcement plan is to strengthen current anti-littering measures in operation throughout the city. An Enforcement team will deal with illegal dumping, blackspots and dog fouling, with the aim of securing successful prosecutions.

Dublin City Council recognizes that there are aspects of the current regulatory regime which makes enforcing legislation and securing successful prosecutions, particularly for illegal dumping and dog fouling incidences, difficult. Dublin City Council will prepare a submission to the relevant government department to try to amend the legislative framework so that more successful prosecutions in these areas are secured.

4. Monitoring the Implementation of the Plan

Implementation Plan

Implementation of the various objectives of the plan will be monitored through a set of tangible actions and realistic target as follows.

	Overall objective is to ensure the provision of an effective and efficient street cleaning operation.		Introduction Timeframe (2016-2018)
Resources			
1.	Develop a cleaning strategy for suburban villages, including provision for weekend/out of hours service schedule.	Achieved/Not Achieved.	Q2, 2016
2.	Roll out of Cleaning Standards booklet to all Street Cleaning Staff.	No. of cleaning staff who received booklet.	Q2, 2016
3.	Intensive street washing programme from April to October each year.	Achieved/Not Achieved.	Q2 – Q3, 2016 - 2018
4.	Update and maintain accurate street cleaning and road sweeping schedule on Dublin City Council website.	No. of unique webpage visits.	Q2 – Q3, 2016
5.	Introduce street sweeping request facility for City residents. Parking restrictions will be sought to be put in place in cooperation with residents to facilitate this.	No. of requests received per year and actioned.	Q2 – Q3, 2016
6.	Introduction of on line Bulky Waste Collection service. Request via Dublin City Council website.	Tonnage of material collected.	Q2 – Q3, 2016
7.	Implement Halloween Plan to combat social	Plan in place.	Q3-Q4 2016 -



	and environmental consequences of Bonfires.	Tonnage of materials collected	2018
8.	Organise Christmas tree collection service.	Tonnage of material collected.	Q1, 2016 to 2018
9.	Expansion in the use of the GIS system to manage illegal dumping incidents.	No of reports for illegal dumping incidences.	Q1, 2016
10.	Increase the number of handcarts to 10 in use in City Centre Streets (e.g. O'Connell St., Grafton St. and Henry St.)	No. in use by end 2016 versus 2015 figures.	2016 to 2018
11.	Develop Litter Bin Policy including requirements for siting of bins and criteria for bin removal.	Achieved/Not Achieved.	Q4, 2016
12.	Updated bin survey, including bins in parks to be completed.	Survey completed.	Q3, 2016
13.	Installation of additional litter bins/dog fouling bins in or in close proximity to every enclosed Park within the City.	No. of bins installed.	Completed by Q2, 2016
14.	Unique identifier placed on every litter bin in Dublin City Council area. To be updated on IT System, including removal or addition of new bin.	Achieved/Not Achieved.	2016-2018
15.	Bin maintenance regime to be developed for cleaning and painting of bins.	No. of bins cleaned per annum. No. of bins painted per annum.	Q3, 2016
16.	Use advertising space on litter bins for anti-littering messages.	No. of bins displaying anti-littering messages.	Roll out Q3, 2016. Message changed every

			quarter.
17.	Continue maintenance programme for Bottle Banks.	Achieved/Not Achieved.	Q1, 2016

Area : Partnership

Objective : - To reduce litter by working with our citizens and communicate the litter prevention message.

18.	Implement Team Dublin Clean-up on Saturday 26 th March.	No. of volunteers. Tonnage of litter collected. No. of clean-ups held in subsequent years.	26 th March 2016 2017 & 2018
19.	Dublin City Council will facilitate community clean-ups with Residents Associations and community groups.	No. of clean-ups held.	Q2, 2016, 2017, 2018
20.	Dublin City Council will continue to assist in the organisation and support of the City Neighbourhoods Awards.	No. of entries to City Neighbourhood Awards.	Q2, 2016, 2017, 2018
21.	Continue to develop and roll out the Green Schools Programme to primary, post primary and third level institutions.	No. schools visited. No. Green Schools	2016-2018
22.	Greater engagement on social media regarding litter management issues. Greater use of social media to provide information about street cleaning across the city	No. of litter incidences reported via social media channels.	Q3, 2016; ongoing.
23.	Development of policy on responsible dog ownership.	Achieved/Not Achieved.	Q4, 2016



24.	Introduce pre-programmed anti dog fouling audio messages at dog fouling blackspots and bring centres.	Dog foul survey before and after messages introduced.	Q3, 2016
25.	Run local cinema and radio advertising on litter, dog fouling and Christmas tree campaigns.	No of campaigns rolled out.	Q2, 2016

Area : Enforcement – To use legislative framework to support the anti-litter campaign

26.	Dublin City Council will review the Litter Wardens duties in order to meet the requirements of the new Litter Management Plan.	Review completed.	2016-2018
27.	Continued use of CCTV surveillance and associated signage.	No. of locations CCTV units used at. No. of fines secured. No. of prosecutions secured.	2016-2018
28.	Expansion of door to door enforcement campaigns across the city.	No. of campaigns completed.	2016-2018
29.	In conjunction with WEEE Ireland, Dublin City Council will facilitate WEEE collection days at specific locations across the City.	No. of days organised. Tonnage of waste collected.	Q3, 2016, 2017, 2018
30.	Formulate and implement Citywide enforcement policy including the establishment of a citywide enforcement team.	Policy Implemented Team Established	Q4, 2016



31.	Prepare submission on legislative requirements to support enforcement activities.	Submission Prepared	Q3, 2016
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In addition to the actions and metrics specific to the 2016-2018 Litter Management Plan, general statistics on litter management and CRM data will be collected and collated for measuring the success of the plan. This data will include, but is not limited to, the following Key Performance Indicators (KPIs):

2016-2018 Litter Management Plan KPIs

1. Number of litter fines issued per year.
 2. Number of litter fines paid per year.
 3. Number of prosecutions secured.
 4. Number of dog fouling fines issued.
 5. Number of calls to the Litter Hotline.
 6. CRM data for period of the plan.
 7. Performance in annual IBAL monitoring results.
 8. Performance in annual Litter Surveys.
-



Review and Reporting

The actions outlined in the implementation plan shall be reviewed against the metrics and timeframe targets. A progress report will be prepared on an annual basis with status and findings for presentation to the Strategic Policy Committee.

**To Each Member of the
Environment Strategic Policy Committee**

Progress Report:

At its meeting on 23rd September 2015, the Environment SPC agreed that a sub-committee should be established to develop a new Climate Change Strategy for the City for the period 2016 – 2020 in compliance with EU directives and National policy / legislation. The sub-committee is chaired by Cllr. Claire Byrne and the other members are:

Cllr. Michael O'Brien

Dr. Gerry Wardell, Codema

Mr. Nicholas Cloake, Dublin Docklands Business Forum

Ms. Helen McNamara, Environment & Transportation Dept. DCC

The Sub- Committee has met on four occasions since it was established - on the 30.11.2015, 21.12.2015, 25.01.2016 and 29.02.2016. The key activities undertaken by the sub-committee to date have been:

- Terms of Reference for the committee drafted and agreed.
- Climate Change Strategy for Dublin City 2008-2012 reviewed.
- Presentations received from key personnel on main topic areas for new strategy:
 - Development Plan** – Myles Farrell, Senior Executive Planner, DCC
 - Traffic** – Mary Hussey, Senior Executive Engineer, DCC
 - Biodiversity and Parks** – Maryann Harris, Senior Executive Parks Superintendent
 - Public Transportation/Road** – David King, Head of Public Transport Investment , National Transport Authority.
- Dublin local authorities contacted to consider benefits of a regional strategy.

There has been a positive response from the other Dublin local authorities to a regional approach. Following discussions with Codema, it was agreed that a high level Climate Change Strategy for the Dublin Region 2016-2030 would be completed in 2016 with more detailed Climate Change Action Plans being developed in 2017/2018 for each authority. The preparation of the Strategy will be carried out by Codema with input as necessary for the relevant personnel in the local authorities and will be funded through the core funding provided by the councils to Codema in 2016. A draft strategy plan for this proposal is attached and has been circulated to Director of Services in the other Dublin authorities.

The sub-committee recommends that the SPC approve the draft strategy plan and agrees that the membership of the sub-committee can be extended to include personnel from within and without the City Council with expertise in areas relevant to the new Climate Change Strategy.

Cllr. Claire Byrne
Chair

Climate Strategy for Dublin 2016 – 2030



Strategy Outline

Shared Vision

- Statement of **shared vision** and/or **mission statement** for Dublin

Overview

- Detail the **context and purpose** of the Strategy
- Reference relevant **EU and national** targets and legislation in the area of climate change, as well as links with other local authority plans (e.g. Corporate Plans, Development Plans)
- Identify **opportunities**, including the economic benefits, of a Climate Strategy for Dublin

Common Targets

- Identify **common high level targets** under the Strategy themes -Energy, Planning, Transport, Biodiversity, Waste Management
- Targets to be informed by **EU and national requirements**

Implementation Plan

- Develop common templates for use by each local authority for their **Action Plan**, including a section for identification of local authority specific **mitigation and adaptation actions**
- **Annual Statement** to Minister for the Environment
- Five yearly **Action Plan Review** carried out by local authority
- Five yearly **Strategy Review** carried out by Strategy Steering Group

Governance

- Outline **Strategy Steering Group Members** and their role
- Outline Local Authority **Working Group Members** and their role
- Identify **strategy approval mechanisms** for each local authority
- Escalation measures?

Finance

- **Preparation of Strategy** included in annual contribution *to Codema
- **Data Gathering** for Fingal and DLR included in annual contribution to Codema. Ongoing energy monitoring for DCC and SDCC included in annual contribution to Codema
- **Potential additional costs** (e.g. publicity, printing) may apply
- *Annual Contribution to Codema also covers other work including Codema Annual Report and SEAI Public Sector Report

Climate Strategy for Dublin 2016 – 2030



Timeline

2016

Climate Strategy for Dublin Region Published



Five Year Progress Reviews

Action Plans reviewed & updated

2022 2027



2030

Targets Achieved 2050



2017

Action Plans for four Dublin Councils
Drafted & Agreed



2028

Climate Strategy for Dublin Region
Review



Climate Strategy for Dublin 2016 – 2030



2016 & 2017 Milestones

2016	Strategy	Action Plans
February	<ul style="list-style-type: none"> Agree Strategy format and timeframes [SG] 	
March/April	<ul style="list-style-type: none"> Codema to liaise with 4 local authorities to develop shared vision and mission statement [Codema] Background research for Strategy to be undertaken [Codema] Establish Working Groups in each LA with appropriate representation across relevant Departments [SG] First draft of Strategy to be prepared [Codema] 	<ul style="list-style-type: none"> Commence gathering baseline data for Fingal and DLR with a view to preparing Action Plan targets & objectives for 2017 [Codema]- including Mitigation and Adaptation Measures
May	<ul style="list-style-type: none"> Draft Strategy to be issued to the Steering Group and local authority working groups for review [Codema/SG] 	
June/ July	<ul style="list-style-type: none"> Amendments to be made to draft Strategy (if required) following review by Steering Group and local authority Working Groups [Codema] Draft Strategy to be issued to the Steering Group/ each local authority for pre-consultation approval [Codema/SG] Upcoming consultation period to be agreed/advertised [SG] 	<ul style="list-style-type: none"> Additional resources deployed to ongoing data gathering exercise [Codema]
August/ September	<ul style="list-style-type: none"> Consultation period (4 – 6 weeks, timeframe TBC) [Codema] 	
October	<ul style="list-style-type: none"> Review submissions received during consultation period [Codema/SG] Amendments to be made to draft Strategy (if required) [Codema] 	
November	<ul style="list-style-type: none"> Strategy to be approved/adopted by the 4 local authorities and [SG/LAs] 	
December	<ul style="list-style-type: none"> Publish Strategy and engage Public communication of Strategy [SG/LAs] 	<ul style="list-style-type: none"> Finalise baseline data for use in Action Plans [Codema]
2017	Strategy	Action Plans
January/March		<ul style="list-style-type: none"> Identify key mitigation and adaption actions in place and additional measures required [LA/Codema]
April		<ul style="list-style-type: none"> Draft Action Plan(s) Completed [LA/Codema]
May/August		<ul style="list-style-type: none"> Draft Action Plan(s) to be circulated to each local authority for comment and review [LA] Amend draft Plans following review Public consultation Plan agreed [LA]
September		Commence public consultation
October		Review submissions on drafts
November		<ul style="list-style-type: none"> Publish Plans Preparation of Annual Statement to Minister (if applicable) [LA/Codema]

Climate Strategy for Dublin 2016 – 2030



2016 & 2017 Milestones

Responsibility: SG – Steering Group; LA – Local Authority; Codema - Codema

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**Environment and Transportation Department,
Block 2, Floor 6,
Civic Offices,
Dublin 8.**

20th April 2016.

**To Each Member of the
Environment Strategic Policy Committee**

Dublin Waste to Energy (DWtE) Project

1 Construction Status

Construction remains on schedule for completion in Q3 2017.

1.1 Progress to Date

Progress in the key areas are summarised below:

Construction

- There are currently approximately 460 contractors on site at any point in time.
- Construction is currently programmed on a 24/7 basis.
- PM Group Limited, the civil designer and construction manager continue to manage and monitor all construction activity on site.
 - The main focus of PM Group and their subcontractors remains:
 - the installation and fit out of the floors of the administration building,
 - works associated with the installation of the buildings' exterior cladding.
- Hitachi Zosen Inova (HZI), the process systems designer continue to manage all process equipment installation and facility commissioning through to the commencement of operations
 - The main focus of HZI and their subcontractors activities are:
 - installation of both boiler lines of the facility,
 - installation of the process equipment,
 - inspection and review of process equipment manufacturing.



IMG_0518 Photo: Barrow Coakley Photography Tel: 087-2856527, 28th March 2016

Site Aerial View Looking Southwest March 2016 (Copyright PML)



IMG_0535 Photo: Barrow Coakley Photography Tel: 087-2856527, 28th March 2016

Site Aerial View Looking Southeast March 2016 (Copyright PML)

2 Environmental Impact

Environmental monitoring and mitigation measures continued to be implemented during the construction phase of the DWtE facility, the construction phase environmental report for quarter 1 (January – March) 2016 will be available in the coming weeks and will be available for download at the Dublin Waste to Energy Website.

3 Community Liaison

The closing date for applications for the Projects Grant Scheme 2016 for the Irishtown, Ringsend & Sandymount catchment area was the 31st March. The Administrator to the Community Gain Liaison Committee is currently validating applications received. The Community Gain Liaison Committee will meet in May and will assess the valid applications which may be approved for funding.

4 Compliance with statutory consents

There are no non-compliance issues to report.

Declan Wallace
Director of Traffic

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Dublin City Flood Risk Management

Environmental SPC 9th March 2016



Gerard O'Connell, Engineer-in-Charge,
Regional Projects & Flood Advisory Office,
Dublin City Council.



Contents

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1. Dublin Flooding Initiative

Multiple hazards -single strategy.

2. Dublin City Pluvial Flooding Study

Quantifying a new urban flood risk

3. Implementation to date

Bridging the city scale forecasting gap

Managing exceedence

4. Conclusions & Next Steps

Administrative & functional changes

Community Resilience & Adaptation



Pluvial Flooding Clanmoyle Road 2008

1. Dublin Flooding Initiative (DFI)

Evolution of DFI Strategy.

- Established 2002 following major coastal & river flooding, over 1,250 buildings flooded.
- Modelled on Dublin Transportation Initiative.
- Up to 1990's -more roads.
- This was unsustainable.
- Dublin Flooding Initiative (Pluvial):
 - Sustainable Drainage Systems.
 - “Roads as Rivers and Streets as Streams”.
 - Water Sensitive Urban Design.
- DFI has been a central DCC theme in several EU Interreg projects.

Activity, 2002/2016 –a strategic progression:

- Reliance on structural defences.
- Integration of defence and response.
- Spatial Planning & Adaptation.
- Community Resilience.
- Flood Forecasting

The five pillars of the DFI:

- 1.Dublin’s five major flood risks
- 2.Irish National frameworks
- 3.All Hazards Major Emergency Plans
- 4.EU Partnerships & Learning Alliances
- 5.Other Learning & Support Alliances eg. SMART Cities

Dublin's 5 Major Flood Risks

- 1. Fluvial or river flooding.
- 2. Tidal Flooding
- 3. Drainage Network Flooding
- 4. Pluvial, Monster Rain, Thunderstorm Flooding.
- 5. Dam Breach Flooding.
- 6 Combinations of these types of Flooding.



Old streams; reclaimed city centre

Surfacewater Management

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Surface Water Maintenance Unit comprises:

- 1 Engineer part-time
- 1 Inspector
- 2 Assistant Inspectors
- 16 General Operatives

- **Operating a fleet of:**
- 1 Gully Jet Vector
- 2 Gully Machines
- 6 Small Vans
- 1 Minijet Van
- 1 Traffic Management Van
- 1 CCTV Van



Surface Water Maintenance Unit

Remit:

- To regularly clean and maintain the 55,000+ gullies throughout the City.
- Several cleaning programmes tailored to the frequency of cleaning required
- At a minimum, every gully cleaned once every 12-18 months and problematic gullies/areas cleaned as frequently as every 4-6 weeks

Crews respond to flood alerts in advance by cleaning known flood zones and during flood events by patrolling flood zones to clear blocked gullies and river racks.



All Hazards Major Emergency Plan

FORECASTS

Drainage Procedures

- Drainage and Surface Water & Flood Management – “Trigger Divisions”
- Flood issues –housekeeping & Flood Risk Management.
- Prevention & management of floods
- Forecasting & monitoring.
- Liaison with other agencies (eg. Met Eireann, OPW, ESB)

FLOOD INCIDENTS & EVENTS

Flood Emergency Plan

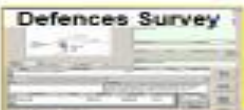
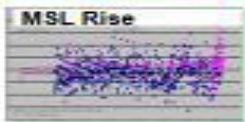
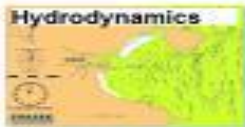
- LA Lead Authority over HSE & AGS (floods)
- Flood Risk Management of Flood events within DCC corporate capabilities.
- Liaison with other agencies (OPW) and Local Authorities.

• **Major Emergency Plan**

- LA Lead Authority (floods), Crisis Management Team.
- Major Flood Emergency
- All Hazards & Agencies
- Flood Protocol 10
- Other linked Plans e.g.
 - Evacuation
 - Rest Halls
- Activation of all Responder Agencies to deal with **SIGNIFICANT & MAJOR EMERGENCIES**
- **Regional or National MEP, eg. Flooding on Shannon, Liffey, etc.**

Dublin's Coastal Flood Protection System

COASTAL FRM



Fluvial Flooding

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- Tolka Scheme complete.
- Dodder Works ongoing.
- Poddle preferred option
- Camac re-evaluation.
- Liffey CFRAMS reports.
- Santry Phase1 complete



Pluvial Flood Alleviation

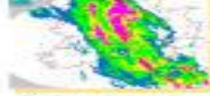
PLUVIAL FRM TEMPLATE



Convective Rain



Frontal Rain



Storm Groups



Severity Patterns



CITY WIDE PLUVIAL FLOOD RISK MAPS

Topography Maps



Hazard Maps



Risk Maps



New Technology



PLUVIAL FLOOD RISK MANAGEMENT



Dublin Flood Forum

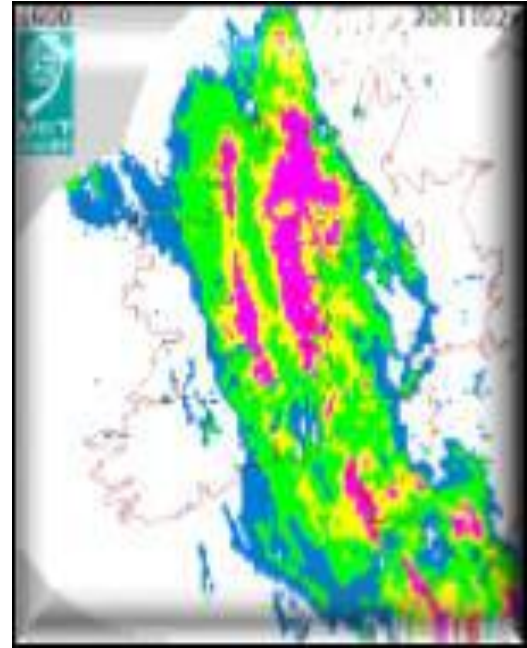
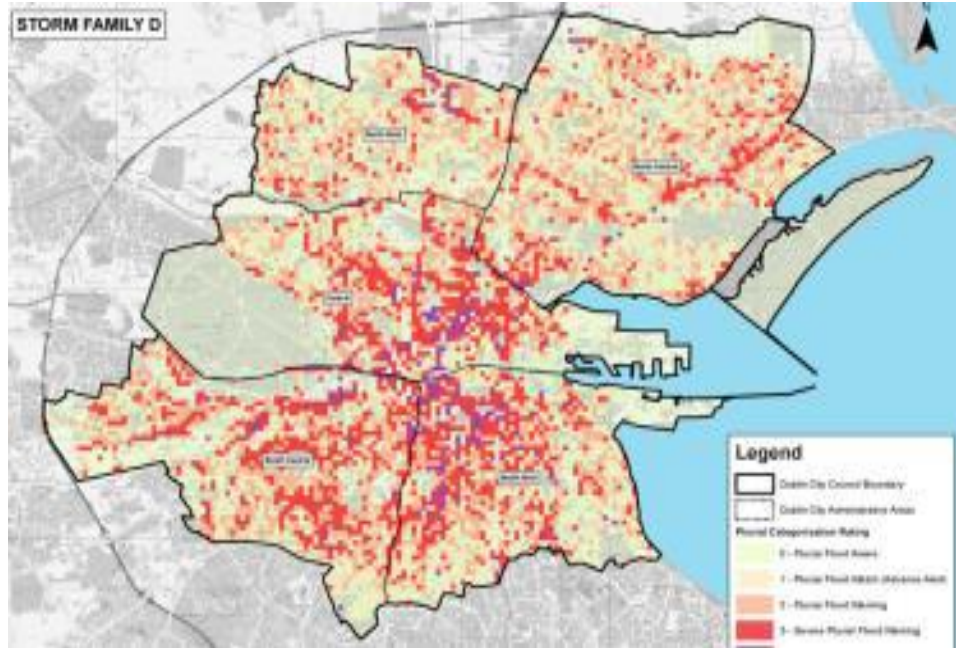


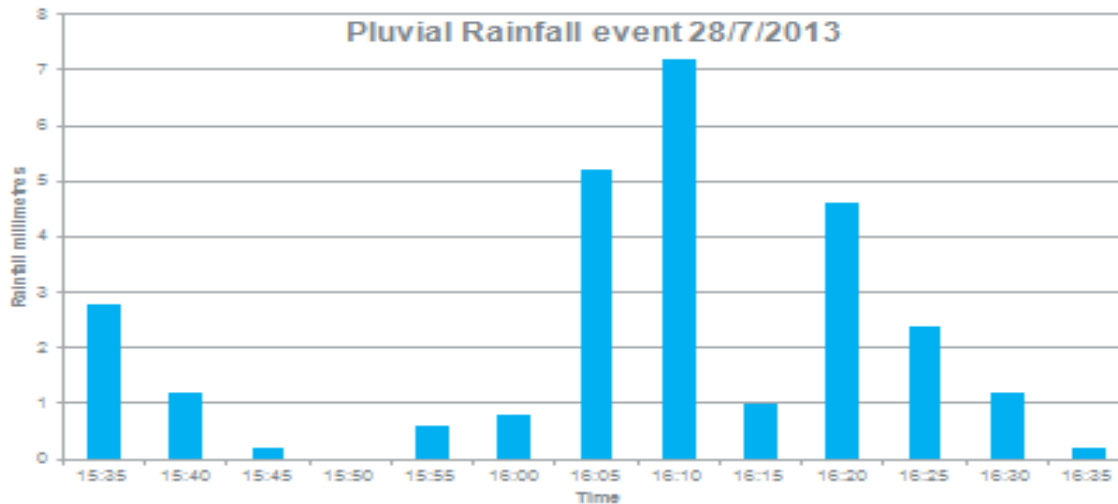
DETAILED FLOOD RISK MAPS



PLUVIAL FLOOD ALERTING & WARNING

Pluvial Flooding Storm Family D





Rainfall in millimetres every 5 minutes
27.2 millimetres in 1 hour.

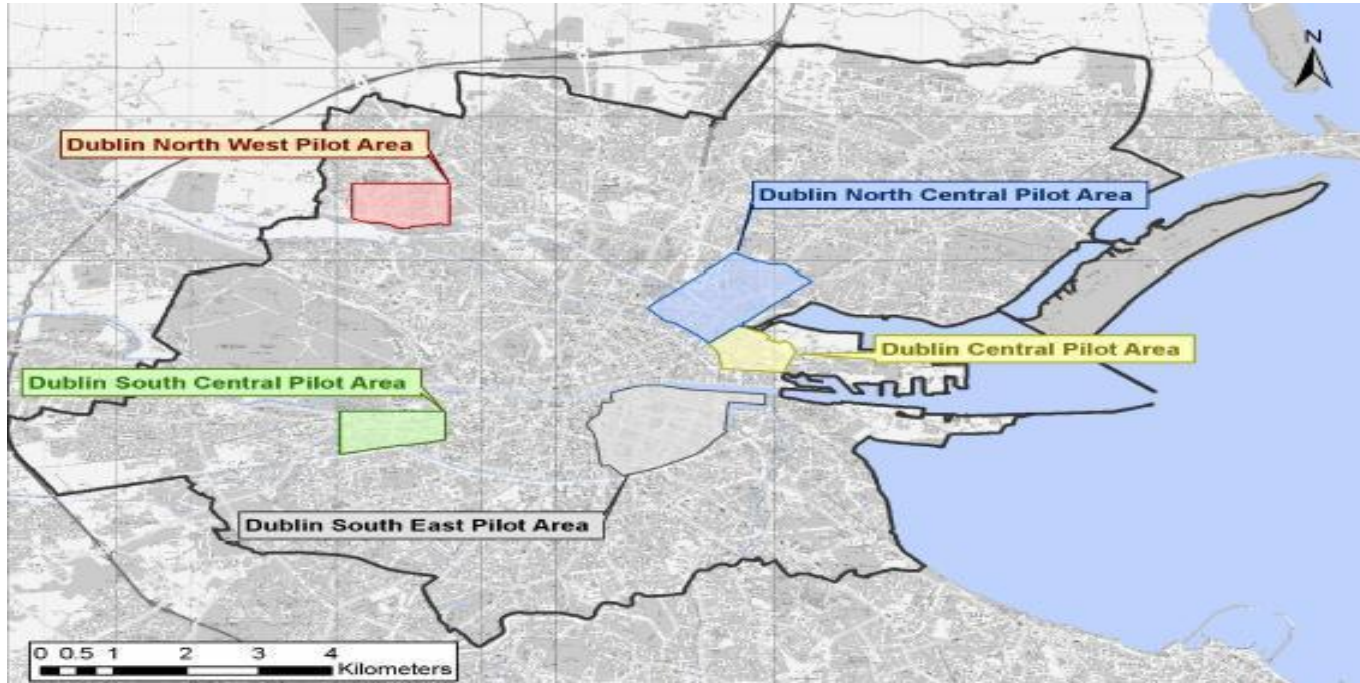
3 pluvial events in 1 week.



Network cannot cope with rainfall and will result in guaranteed flooding



Five Pluvial Pilot Areas



Flood Alerting & Warning

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Flood Alerting & Warning Systems Outlined

- Technologies available, Met Eireann, EFAS, OCC, Triton, EPA, etc.
- New Technologies: SMART cities, IBM, Intel, OPW, Universities, etc.
- Integration of the existing rain gauge network.
- Proposed expansion of the existing Dublin rain gauge and flood monitoring network.

New Technology

- Hawkeye system
- Level gauges, Alarms
- Rainfall gauges
- Web based information
- Close liaison with Met Éireann
- DCC new weather stations

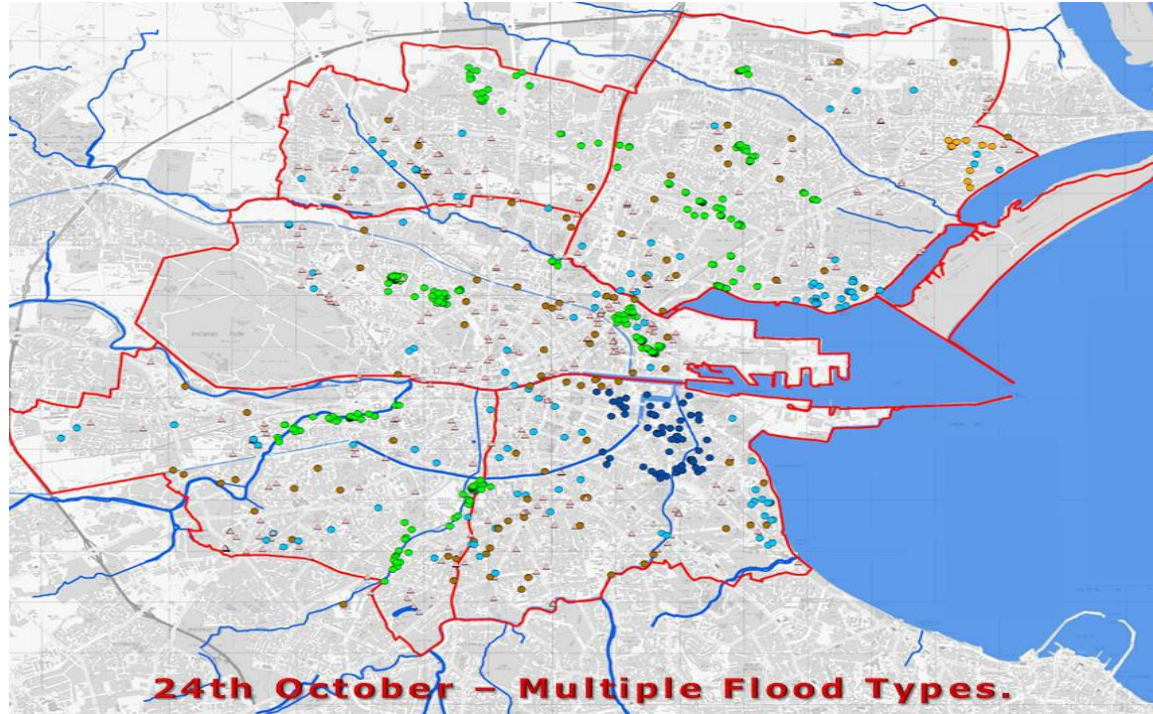


Rain Gauge

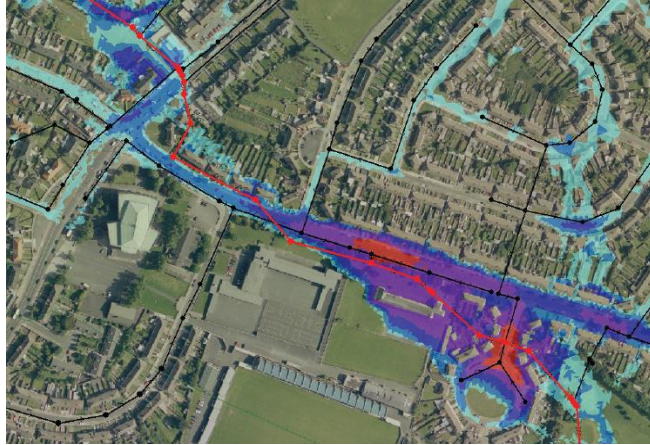


24th October 2011, Antecedent event, plus Fluvial, Tidal, Pluvial flooding

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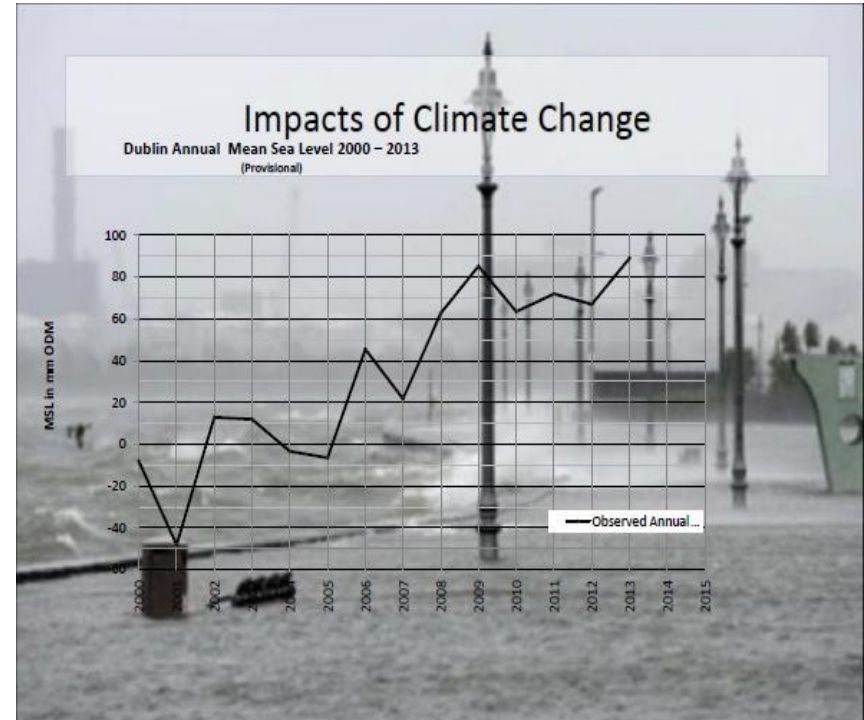
Sustainable Urban Drainage Systems, SuDS



Global Warming

120 millimetres of sea level rise recorded in Dublin Bay over last 16 years quadrupling flood risk.

- 5% Increase in rainfall recorded by Met Eireann over last 20 years leading to increased river flows.
- Increased thunderstorm activity over City last 10 years.
- More pressure on ageing drainage network.



High Tides

- High tide on 26/1/2016
- In Top 10 on record.
- Close on a 1 metre surge in Dublin Bay on top of a medium to high tide.
- Had surge happened on top of a high tide, there would have been extensive flooding at Clontarf and large areas of southside.

Sandbag Policy

Sandbags both large and small have very limited use in flood defence, particularly in resisting wave action.

- Their deployment requires a significant lead-in time.
- DCC does not have resources to deploy them other than to a very limited number of locations.
- Currently limited sandbag stocks are available in Clontarf, Sandymount & Glendhu Park.



Community Resilience & Adaptation

- Private property owners are responsible for their own flood defence.
- Rivers and coastal riparian owners.
- Flood resilience construction and individual property protection in flood plains.
- Flood Insurance, permanent property flood measures.

City Flood Assessment Group, FLAG

1. If flood is threatened or likely the FLAG meets to assess risk

Imminence & magnitude.

2. FLAG comprises:

- Drainage Executive Manager , 6 Senior Duty Engineers,
- 2 Technical Support Personnel.
- Drainage & Surfacewater Management Operational Sections
- Flood Watch (Gerard O’Connell & Michael Curtis), issue reports.

3. Assesses severity of flood risk &:

Develops action plan (& escalation if required):

- Notifies Acting City Engineer, Chief Executive, Chief Fire Officer and other agencies.
- Indicates if escalation of the Major Emergency Plan is anticipated.
- All flood types & combinations.
- Councillors’ Communications Plan

4.FLAG will:

- Monitor minor events.
- Re-Convvene several times as major event unfolds
- Advise when the hazard has passed.

This assessment sheet is to be filled out by the group assessing any specific flood risk, either in response to an early warning or during a flood incident.

DATE		TIME 24 hr clock															
INPUT INFORMATION <i>Met Eireann weather warning, output from Triton etc.</i>																	
HAZARD ASSESSMENT <i>Tick box(es)</i>		1. Flood Clear				2. Flood Watch				3. Flood Warning				4. Severe Flood Warning			
Coastal																	
Fluvial																	
Pluvial																	
Infrastructure																	
Dam burst																	
ACTIONS																	
INFORM																	
	Drainage Operations	CMT	Corporate	DFB	Civil Def	DCC Depts	Other LAs	DECLG/ Gov	LDW	AGS	HSE	Coastguard	Army	ESB	Dublin Port	Waterways Ireland	Other
<i>Tick boxes</i>																	
<i>By</i>																	
MOBILISE																	
	Drainage Operations	CMT	Corporate	DFB	Civil Def	DCC Depts	Other LAs	DECLG/ Gov	LDW	AGS	HSE	Coastguard	Army	ESB	Dublin Port	Waterways Ireland	Other
<i>Tick boxes</i>																	
<i>By</i>																	
MONITOR BY		FDU			FRC / Triton		Drainage					CMT					
<i>Tick box</i>																	
DEPLOY DEFENCES		Flood Gates					Dutch Dams					Sand Bags					
<i>Tick boxes</i>																	
COMMENTS																	
NEXT REVIEW																	
<i>Fill in details</i>																	
SIGNED																	

Next Steps?

1. National/Regional Flood Forecasting Agency

- Back after winter flooding, but it is surmised that DCC will continue to generate their own for forecasts for the foreseeable future.
- Unique local knowledge & track record of coastal forecasting.

2. New Technologies

- New flood cameras
- Expansion of rainguage and river monitoring network
- SMART Cities, IBM, Intel, Universities linkages for new technologies.

Community Resilience

Householders to put in place their own domestic flood prevention measures. Measures available on Dublin City Council website.



Any Questions?

Councillor Jim O'Callaghan

"In the wake of the devastation which has been wreaked on both the west coast of Ireland and the midlands in recent weeks arising from the stormy weather, and having regard to the risks arising from high tides and further stormy weather in the coming months, this Council resolves that the Council shall act to ensure that residents along the sea in Sandymount, Irishtown and Ringsend are given adequate protection from the risk of flooding, and notes, in particular, that the system whereby a small number of sandbags are left at gates or made available for collection in containers in car parks along the Strand is inadequate in circumstances where:

- 1) the relevant car parks are the first areas closed off so cars must be parked on the road which in itself is a traffic hazard;*
- 2) there is quite a distance to carry the bags to the cars;*
- 3) Most people can only carry one bag at a time as they are quite heavy. Many, for various reasons, are not in a position to carry a bag at all; and*
- 4) Many cars can take only circa five bags whereas the requirements in all cases will be for many, many more bags.*

This Council notes further that the alternative to providing comprehensive protection, which is the risk of catastrophic flooding, especially given the intensity of such storms in winter 2015/16, is unacceptable."

Reply

Dublin City Council maintains a strategic stock of around 9,000 sandbags at various locations throughout the city including Clontarf, Sandymount, Glendhu Park, and the drainage depots at Marrowbone Lane and Bannow Road. The stocks at these sites are maintained for strategic purposes and play a useful role in areas when dealing with flood events which have sufficient advance warning.

The provision of sandbag stores at specific locations around the City that could be accessed locally by residents on foot of flood warnings would require considerable investment by the City Council to manage and maintain. The unpredictable nature of flood warnings throughout the year would result in sandbags being deployed more often than required, leading to the unnecessary expense of maintaining the required stock of bags at each location. The transportation and placement of sandbags from local containers would still require a considerable effort by local residents and they would be unlikely to be in position in time to prevent flooding to most properties subject to sudden rainfall events. Furthermore, if sandbags were deployed at certain locations, there is no guarantee that the people who need them will get them. During a flood, panic generally sets in, and those who are not in risk of flood could easily exhaust the supply of bags at the expense of those in need. Owners of properties that are at risk of flooding are encouraged to keep where possible, their own stock of empty sandbags together with sufficient stocks of sand to fill bags at times of potential

flooding. Preferably owners should invest in the provision of suitable proprietary flood gates and covers to protect openings such as doors, windows and vents. The prime responsibility for protecting premises lies with the property owner.

General advice to property owners on dealing with floods is provided by the OPW in booklet format and on the website www.flooding.ie. The OPW advice recommends property owners at risk of flooding to have a supply of sandbags close at hand. The advice notes also acknowledge that sandbags can be difficult to deploy during flood events and can also pose health risks if contaminated with sewage.

Dublin City Council on its webpage <http://www.dublincity.ie/floodprotection> dealing with Flood Protection gives a link to Property Flood protection which gives guidance on the various types of flood protection devices available on the market and also an indicative price list for protection measures and a list of suppliers.

Dublin City Council has in place a Flooding Advisory Group that carry out risk assessments on the various tide levels throughout the year. It needs to be pointed out that over the Christmas period during the various storms, tidal surges in Dublin Bay reached 800 millimetres. Had these storm surges coincided with higher astro tides and accompanied by high winds and waves, it is likely that significant property flooding at Clontarf and Sandymount would have occurred irrespective of the amount of sand bagging.

Declan Wallace
Director of Traffic

Item No 12

Motion referred from the Protocol Committee's January meeting

"The Manager then referred to a report to be circulated re Postering. Members expressed their displeasure at the recurring breaches of the Postering Protocols and requested that enforcement action be taken, They further requested that the Environment SPC examine current bye-laws, especially in relation to public meetings held by politicians and resultant posters."

Reply

The present Protocol for the Erection of Temporary Posters/Notices on Dublin City Council Property to Advertise Public Meetings and Events, has been in place since February 2014. This protocol was approved by the Environment and Engineering SPC.

Applications to erect posters are processed through the Administration Section of the Environment & Transportation Department.

At the outset I would preface the comments by saying that we are currently in a particularly active period for postering in the weeks leading up to the General Election (though election postering is covered by separate legislation and is not subject to the protocol) and it would be expected that postering for "meetings" would greatly decrease following the election .

The difficulties currently being experienced include the following ;

- The name and picture of the individual hosting the meeting taking up more than the allowed maximum 25% of the poster
- Not adhering to the requirement for a minimum of 75% of the poster layout to be concerned only with details of the meeting
- Posters not being erected the required minimum 2.3 metres above footpaths, cycle tracks or any other area to which pedestrians have access
- Applications not being submitted the required 7 working days ahead of the proposed date for erection of the posters
- Notice of Intent not being properly completed, particularly regarding insurance details
- Posters/notices promoting commercial events (including charity events, which involve any element of fundraising or entry fees) are prohibited and some applicants have difficulty accepting this decision.

Applications from Councillors, Oireachtas Members and Election Candidates , in relation to the advertising of public meetings, are causing the most difficulties, particularly with regard to size and layout of the posters and also the fact that they are not being erected properly, i.e. at a minimum

height of 2.3 metres above footpaths. Some applicants have repeatedly taken issue with being restricted to 25% of the poster for name and picture.

Many of the applications received are not in accordance with the protocol, particularly with regard to the layout. The name and picture of the individual hosting the meeting are often far in excess of the agreed 25% of the poster.

There is no doubt that applicants will try to push the boundaries in relation to the restrictions. Recently one applicant had left a large margin at the top of the poster above the photo in the same background colour as the photo thus making the photo (with background) well in excess of the 25% but still within the rules of the protocol if not the spirit.

154 applications were received in 2015, 88 of which were from public representatives. Approx. 30 applications have been received this year so far, mostly from public representatives. Enforcement of the protocol is carried out by the Litter Wardens.

It is recommended that a further review of the Protocol be initiated in the months following the General Election .

**Declan Wallace,
A/Director of Traffic**