

Recycling In Waterford City

Three-Bin-System

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Director of Services
Planning and Environment



SUMMARY

- Background To Decision
- Initial Implementation
- Our Operational Experience
- Our View Of The Future

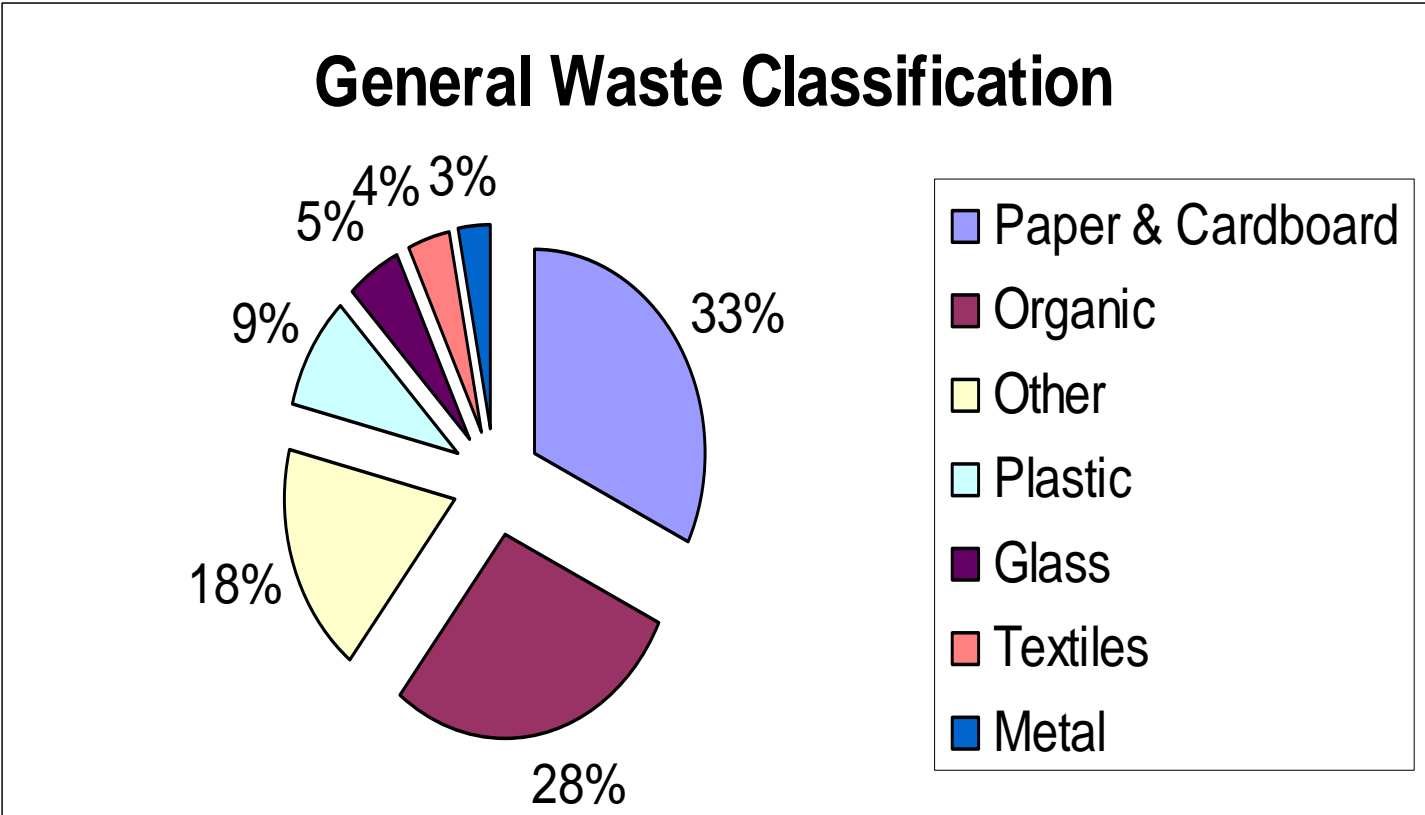
WHY?

- Basic Waste Management Hierarchy.
- Changing Our Ways.
- Delivering Change.
- Landfill Directive.
- Waste Management Plan.

Main Reasons

- Kilbarry Landfill
- Cost
- Council Wish To Do The Right Thing
- Public Demand

Waste Classification



HOW?

- Council Approval, January 2003
- Increased Charges
- 3 Bin System, June Implementation
- Key Issues
 - Logistics
 - Public Awareness/Promotion
 - Infrastructure/Outlet Provision

Logistics/Costs

- 32,000 bins
- €50 per household
- Deliveries
- Household space constraints
- Route alteration
- 3 week rotation – brown, green, grey

Logistics/Costs

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W heeled Bin Collection

Brown Bin

Organic Material Only

Kitchen Waste:

Cooked Food
Leftovers
Tea Bags / Leaves
Coffee Grounds
Egg Shells
Uncooked Food (wrap food in paper)

Garden Waste:

Grass Cuttings
Hedge Clippings
Small Woody Material
Pot Plants

Green Bin

Recycling Material Only

Aluminium Drinks Cans & Food Tins

Plastic:

Drinks bottles
Containers

Paper:

Magazines
Telephone books
Newspapers
Printing & Writing Paper

Card:

Cereal Boxes
Cardboard boxes (Large Cardboard
Boxes accepted at Kilbarney Landfill)
Tetra Pak

Please Wash & Squash

**NO PLASTIC BAGS IN
BINS**



Waterford City Council Collection 1

January 2004

M	T	W	T	F	S	S
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

March 2004

M	T	W	T	F	S	S
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

May 2004

M	T	W	T	F	S	S
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

July 2004

M	T	W	T	F	S	S
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

September 2004

M	T	W	T	F	S	S
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

November 2004

M	T	W	T	F	S	S
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

February 2004

M	T	W	T	F	S	S
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29

April 2004

M	T	W	T	F	S	S
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

June 2004

M	T	W	T	F	S	S
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

August 2004

M	T	W	T	F	S	S
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

October 2004

M	T	W	T	F	S	S
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

December 2004

M	T	W	T	F	S	S
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

Bank holiday Collection Arrangements

17th Mar: Collection on 13th Mar
12th Apr: Collection on 10th Apr
3rd May: Collection on 1st May
27th June: Collection on 5th June
2nd Aug: Collection on 31st Jul
25th Oct: Collection on 23rd Oct

NO GLASS!

Please continue to use the
bottle banks around the city.

**BINS MUST BE PRESENTED
IN ACCORDANCE WITH
WATERFORD CITY BYE-
LAWS FOR THE
PRESENTATION,
COLLECTION AND STORAGE
OF HOUSEHOLD WASTES**

**BINS MUST BE PRESENTED
NO LATER THAN 7.30am ON
DAY OF COLLECTION**

You can contact any member of
the environment team on
309900 or by email:
environment@waterfordcity.ie
Helping play your part in the



GREEN BIN DO'S

YES CLEAN Aluminium Cans
YES CLEAN Food Cans

YES CLEAN Plastic Drinks Bottles
(remove corks).
YES CLEAN Plastic Milk Containers
YES CLEAN Shampoo bottles
YES CLEAN Plastic containers

YES Newspapers
YES Magazines
YES Telephone Books
YES Junk Mail/Catalogues
YES Printing/Writing Paper
YES Paper Bags (shopping bags)

YES Cereal Boxes
YES Cardboard Boxes
YES Biscuit Boxes
YES Toilet Roll Inserts
YES CLEAN Washing Tablet boxes
YES CLEAN Frozen Food Boxes
YES CLEAN Tetra Pak

GREEN BIN DON'TS

NO Plastic Bags
NO Plastic Film
NO Plastic Trays
NO Yoghurt Cartons
NO Polystyrene
NO PVC
NO Aeroboard
NO Plastic Wrappings
NO Sweet wrappings
NO Chocolate wrappings
NO Crisp wrappings
NO Meat wrappings

NO Tin Foil / Greaseproof paper
NO Foil Wrappings
NO Bread Wrappings
NO Turkey bag

NO Ashes
NO Nappies
NO Sanitary Items
NO Tubes of Toothpaste
NO Tubes of Cream

NO FOOD
NO GLASS

NO Ceramics
NO Aerosols
NO Medicine containers
NO Detergent containers
NO Razors

HELPFUL HINTS

All materials in the green bin must be clean and dry.
Squash waste where possible.
To not tear waste into small pieces.
Please remove corks and lids of bottles.
Do not put glass into green bin (continue to use bottle banks).

Important

If you put the wrong waste into the wrong bin this means your bin is contaminated. Ultimately this contaminated waste will have to go to landfill.

If in doubt put it in the Grey Bin.

BROWN BIN DO'S

Kitchen Waste

YES Fruit
YES Vegetables
YES Meat
YES Fish All kinds
YES Bones all kinds
YES Plate scrapings
YES Tea Bags
YES Coffee grinds and paper filters
YES Pasta and rice
YES Cereals
YES Bread
YES Old sandwiches / cakes etc.
YES Egg shells
YES Cheese
YES Frozen foods
YES Gravy / Sauce / Stuffing
YES Soggy cereal with milk
YES Biscuits
YES Chocolate / Sweets
YES Yoghurt / Cream
YES Egg cartons / Paper
YES Cereal Boxes / Biscuit Boxes
(remove any plastic)

Garden Waste

YES Grass cuttings
YES Leaves
YES Old Plants
YES Cut Flowers
YES Tree Prunings
YES Weeds
YES Shrub Trimmings
YES Peat Moss

HELPFUL HINTS

Wrap your food waste in a few sheets of newspaper.
Place sheets of cardboard on the sides and bottom of your bin to keep it clean.

Important

If you put the wrong waste into the wrong bin this means your bin is contaminated. Ultimately this contaminated waste will have to go to landfill.

If in doubt put it into the Grey Bin.

BROWN BIN DON'TS

Kitchen Waste

NO Plastic allowed eg.
NO Plastic Bags
NO Plastic containers/bottles
NO Plastic yoghurt containers
NO Plastic Milk Containers etc.
NO Styrofoam/Aeroboard/PVC
NO Glass
NO Sweet/chocolate/crisp wrappers
NO Tin Foil/Greaseproof paper
NO Food Tins
NO Drinks Cans
NO Milk/Juice Cartons
NO Metal/Cutlery
NO Crockery
NO Lightbulbs/Batteries
NO Aerosols
NO Nappies
NO Sanitary Items
NO Toiletries(razors, Q-tips etc)
NO Clothes/Shoes
NO Toys
NO Furniture
NO Electrical Goods

Garden Waste

NO Rocks
NO Soil
NO Litter
NO Metal
NO Garden Equipment
NO Pesticide Containers
NO Weeds sprayed with weedkiller

Infrastructure/Outlet Provision

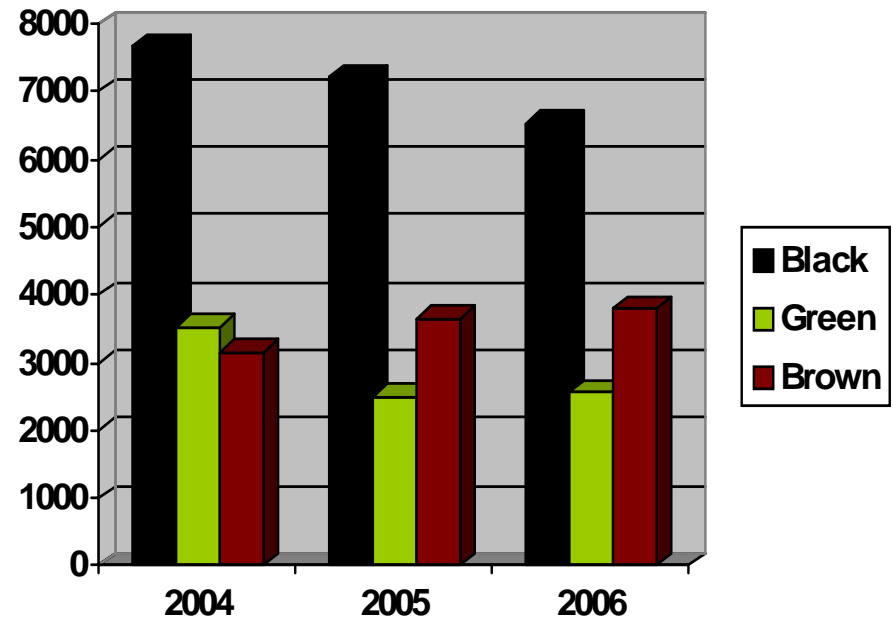
- EU Negotiated Procedure
- Criteria for Selection
 - **Price.**
 - **Compliance with environmental standards.**
 - **Security of outlets for recovered product.**
 - **Timeframe for implementation of service.**
- Compost Operating Contract with Veolia and Celtic Composting Systems and Recycling Contract with Greenstar (since changed)

Our Experience To-Date

- Generally Good Public Acceptance
- Initial Resistance To Brown Bin
- Changes in Charging Regime Vital
- Contamination The Scourge
- Continued Enforcement and Promotion Necessary

Charges/Tonnages

- 2003 €5.00 Each Bin
- 2004 €4.50 Grey
 €1.50 Brown/Green
 €80 Standing Charge
- 2004 €6.50 Grey
 €1.50 Brown/Green
 €100 Standing Charge
- 2004 €7.50 Grey
 €1.50 Brown/Green
 €120 Standing Charge



Enforcement/Promotion

- Inspections/Rejection
- Bye-Laws
- Newsletters
- Advertising
- Schools
- Target specific publics/areas

The Future

- Sustained Effort Required.
- Target of up to 60% recycling difficult to achieve.
- Diminishing returns.
- Cost control vital – must stay below disposal
- Outlets for recyclables must be clearer and provable.