



Waste Action Plan for Derby

**Derbyshire and Derby City Joint Municipal
Waste Management Strategy
2013-2026**



Updated March 2018



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1. Introduction

1.1 Derby City Council

Derby City is a unitary authority with a population of 250,568 living in 109, 970 households. The city has a close to average age profile when compared to the national picture.

It is principally an urban authority located in the South of Derbyshire and it is the largest urban conurbation in the County. Derby supports an engineering focused economy being home to Rolls Royce manufacturer of Aero Engines and Bombardier the UK's only train manufacturer.

1.2 Derbyshire Joint Municipal Waste Management Strategy

In 2013, the Derbyshire Waste Partnership (DWP), made up of all the Councils in Derbyshire and Derby City Council reviewed the Derbyshire and Derby City Joint Municipal Waste Management Strategy (DJMWMS). The revised strategy and supporting documentation can be found at www.derbyshire.gov.uk/wastestrategy

This action plan identifies the services that Derby City Council will be providing subject to budget provision to help achieve the vision and objectives of the Strategy that aim to reduce or re-use waste and improve recycling and composting performance.

The strategy and action plan does not review arrangements for the treatment and disposal of waste that isn't recycled or composted as this is managed through an existing long term waste management contract.

This document sets out how, subject to any changes to current levels of budget, Derby City Council will support with the delivery of the DJMWMS and the actions that will take place at a local level to deliver the desired outcomes.

Derby City Council intends to track and publish the following key measures as detailed in Table 1 and will benchmark the outcomes with similar cities each year in order to progress this strategy.

Table 1 - Ways to Monitor Progress and Performance

Performance Indicator	Unit/metric
Recycling/Composting rate	% waste recycled & composted/year
Landfill Diversion	% waste diverted/year
Waste Reduction	Kg per person generated per year
Cost of managing household waste	Cost per household for collection and disposal
Customer satisfaction with waste services	% satisfied with waste collection and Household Waste Recycling Centres



2. Existing Waste Management Services

The key waste management services currently offered by Derby City Council are outlined as a set of tables in this section.

The majority of kerbside services are currently collected on alternate weeks throughout the year.

Until June 2013, mixed dry recycling was collected in 140 litre blue wheeled bins with a small proportion of mixed paper and card collected in orange sacks. In June 2013, the city changed to a fully co-mingled approach in a larger 240 litre blue bin in order to reduce the costs of collecting dry recycle.

Residual waste is collected in a black wheeled bin.

Free brown bin collections of combined garden and food waste ceased on 1st November 2013. Since April 2014, a chargeable garden waste collection service operates on a fortnightly basis over 32 weeks from April each year until Mid-November and stop during the winter months in order to reduce collection and disposal budgets.

2.1 Educational and promotional campaigns to prevent, reduce, reuse, recycle and compost

The Council supports waste prevention and reduction initiatives. This includes promoting initiatives such as home composting and Love Food Hate Waste.





2.2 Kerbside Dry Recycling Collection Service

Blue recycling bins are available to the vast majority of residents with some properties serviced by communal bins or orange sacks.

Table 2 - Kerbside Dry Recycling Collection Service (2016/17 data)

Description	Collection Details
Coverage	93% (102,970 households)
Receptacles	240 litre blue bin for co-mingled recycling Communal bins for flats and other housing complexes 300 properties with orange bag collections
Collection frequency	Fortnightly
Materials collected	Paper, card, drinks cans, food tins, glass bottles and jars, mixed plastics, tetrapaks and Aerosols.
Service provider	In-house
Term of contract	Not applicable
Tipping point/Destination	BIFFA, Victory Road Derby
Tonnage collected 2016/17	18,291 tonnes



2.3 Kerbside Garden Waste Collection Service

The brown bin waste collection service for garden and food waste ceased on 1st November 2013 and was replaced by a chargeable garden waste service in April 2014.

Table 3 - Kerbside Organic Waste Collection Service (2016/17 data)

Description	Collection Details
Current coverage	Around 88,000 households are offered the service
Receptacles	240 litre or 140 litre wheeled brown bin
Collection frequency	Fortnightly
Materials collected	Garden Waste
Service provider	In-house
Term of contract	Not applicable
Tipping point/destination	Vital Earth
Tonnage collected 2016/17	4,234 tonnes





2.4 Kerbside General Waste Collection Service

Side waste is not collected with the exception of when collections may be delayed due to extreme weather or Christmas collections. Households with five or more permanent residents or who have special needs can apply for a larger or additional 140 litre wheeled bin and with eight or more an additional 240 litre wheeled bin.

Table 4 - Kerbside General Waste Collection Service (2016/17 data)

Description	Collection Details
Coverage	100% (109,970 households)
Receptacles	240 litre black bin and some bulk bins for communal properties
Collection frequency	Weekly/Fortnightly
Service provider	In-house
Term of contract	Not applicable
Tipping point/destination	Raynesway Waste Transfer Station, Derby
Tonnage collected 2016/17	58,296 tonnes



2.5 Household Waste Recycling Centres

The Council operates a Household Waste and Recycling Centre (HWRC) in the City at Raynesway Park. Table 5 below details the materials collected and the split between materials sent for reuse, recycling, composting and disposal.

Table 5 - Detail of Raynesway HWRC (2016/17 data)

Description	Collection Details	
Coverage	Raynesway Park Drive, Derby DE21 7BH	
Materials collected for recycling and composting	Batteries Car Batteries Card Chipboard and MDF Cartons and Paper Cups Green garden waste Mixed cans Mixed glass Mixed tyres Oil (mineral and vegetable)	Other Scrap metal Paper Plasterboard Plastics (containers and rigid) Rubble Textiles and Shoes Video tapes, DVDs and CDs Electrical items Wood
Materials collected for reuse	Bric-a-brac Gas bottles Rubble Textiles	
Waste sent for disposal	4,685 tonnes	
Waste sent for recycling and composting	12,825tonnes (7,993 tonnes recycling) (4,832 tonnes composting)	
Waste sent for reuse	689 tonnes	
Service provider	Resource Recovery Solutions (Derbyshire) Ltd (RRS)	
Term of contract	2010 - 2042	



2.6 Other Waste Collection Services

The Council provides a number of collection services that range from commercial waste, bulky waste from households, healthcare, street litter gulley emptying and fly-tipping. Each service is listed below in Table 6 and shows performance achieved during 2012/13.

Table 6 - Other Waste Collection Services (2016/17 data)

Collection Service	Collection and Performance Details
Commercial and Industrial and chargeable household waste	6,530 tonnes disposed of 804 tonnes recycled Destinations: Raynesway WTS, Victory Road MRF, Transcycle WTS and Eastcroft (EfW)
Bulky waste	716 tonnes disposed of Number of Collections: 3663 Destination: Landfill (Raynesway WTS)
Hazardous/healthcare waste	18 tonnes of asbestos 116 tonnes disposed of healthcare waste Number of domestic collections/customers of healthcare waste: 151 Destination: Raynesway WTS
Mechanical sweepings	2,568 tonnes Destination: Landfill (Raynesway WTS)
Gully Waste	397 tonnes Destination: Raynesway WTS
Street Litter/Fly-tipping (illegal dumping)	399 tonnes Number of Flytip Incidents: 5310 Destination: Raynesway WTS
Markets	464 tonnes disposed of 72 tonnes recycled
Derby Homes	80 tonnes disposed of 328 tonnes recycled
Parks and Grounds Maintenance	80 tonnes disposed of 328 tonnes composted



3. Waste Management Service Performance

This section summarises the service performance trends for the past five years and outlines future performance projections up to 2020/21.

3.1 Service Performance

Table 7 highlights service performance trends for the past seven years. The performance trend for organic waste decreased with the introduction of the chargeable garden recycling scheme. However, this is since showing an increase. The recycling service performance and residual (kg per household) are fluctuating.



Table 7 - Service Performance 2010/11 – 2016/17

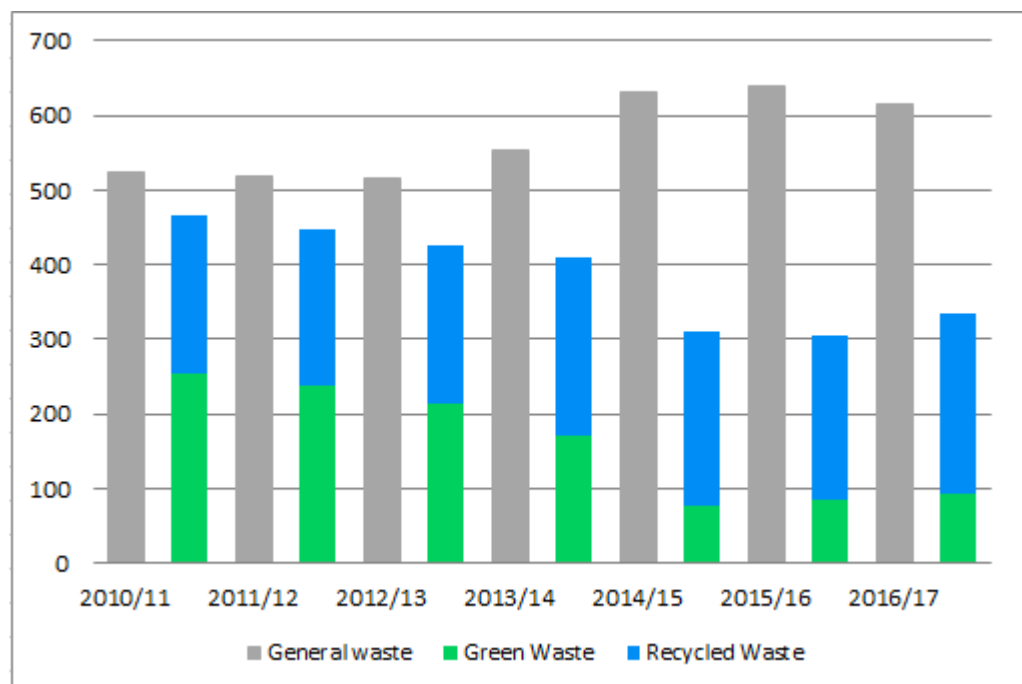
Description of Performance Category	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17
Household waste recycled in tonnes	22,673	22,217	22,808	25,894	24,919	23,612	26,229
Household waste composted in tonnes	26,941	25,420	22,934	18,239	8,402	9,351	10,215
Household waste recycled and composted in tonnes	49,614	47,637	45,742	44,133	33,321	32,963	36,444
General household waste collected (per household) in kilograms	523	518	517	552	632	639	615
Garden waste collected (per household) in Kilograms*	253	238	214	170	78	86	94
Recyclables collected (per household) in kilograms	213	208	213	241	232	218	242
Total kilograms per household per year	989	964	944	963	942	943	951

*Chargeable garden waste introduced April 2014



Figure 1 shows the performance over the past five years illustrating the changes in service.

Figure 1 - Service Performance 2010/11 - 2016/17





3.2 Future Performance Projections

The City Council's performance projections for 2017/18 are as outlined in Table 8 below.

Table 8 - Performance Projections for 2017/18

Description of Performance Category	2017/18
Household waste recycled	26%
Household waste composted	10%
Household waste recycled and composted	36%
Residual household waste collected (per household)	615kg
Green waste (per household)	94kg
Recyclate (per household)	246kg
Total kg per household	955kg

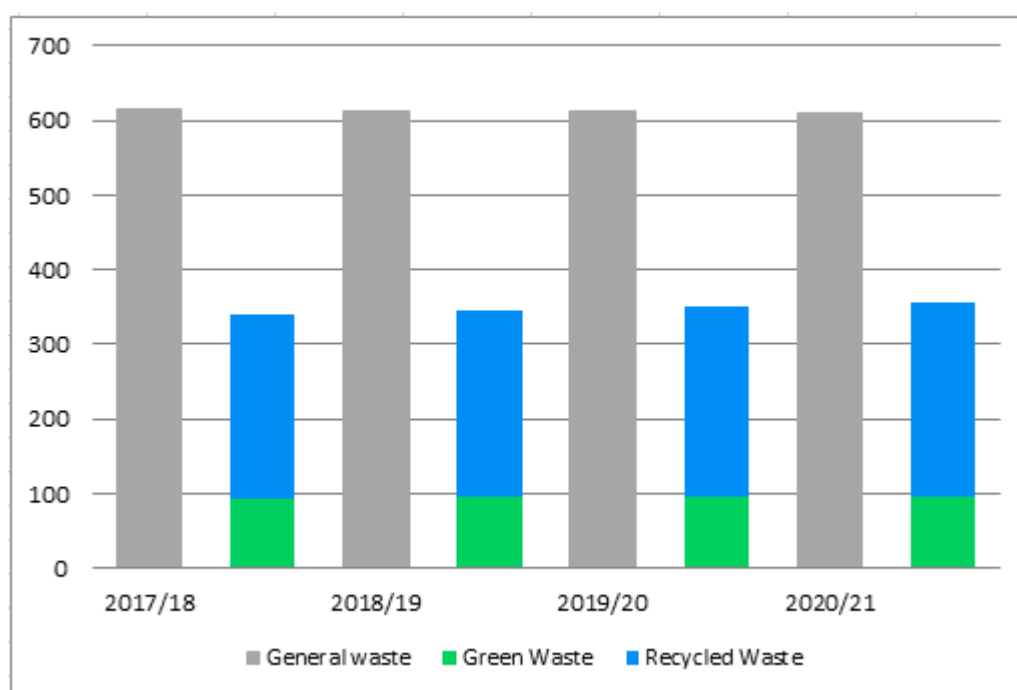
The forecast performance projections from 2017/18 to 2020/21 are outlined in Table 9.

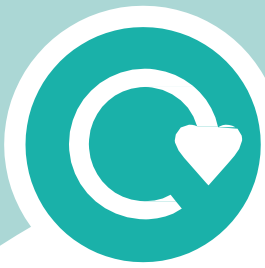
The Council forecasts that subject to current budget provision, the recycling, composting and re-use rate is expected to grow year on year as a result of the many waste developments by the City and the increased commitment of Derby's householders to reduce, reuse, recycle and compost.

Table 9 - Service Performance Projections 2017/18

Description of Performance Category	2017/18	2018/19	2019/20	2020/21
Household waste recycled	26%	27%	27%	28%
Household waste composted	10%	10%	11%	11%
Household waste recycled and composted	36%	37%	38%	39%
General household waste collected (per household)	615kg	613kg	611kg	609kg
Garden waste collected (per household)	94kg	95kg	96kg	97kg
Recyclables collected (per household)	246kg	250kg	254kg	258kg
Total waste collected (per household)	955kg	958kg	961kg	964kg

Figure 2 - Service Performance Projections 2017/18 – 2020/21





4. Action Plan

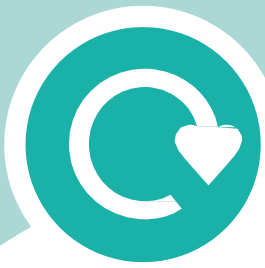
A summary of current or planned changes to waste management services by service area is outlined in this section using the delivery options that have been identified in the strategy and subject to current budget provision. These proposals subject to budget provision will contribute to the vision and objectives of the strategy and drive change in waste prevention, recycling and composting in the Council area and will also be supported by communication activity.

4.1 Waste Prevention and Reuse Initiatives

The Council is committed to undertaking a number of initiatives to encourage and promote waste prevention and reuse.

The Council will further develop and promote the following initiatives:

- A home composting scheme providing help and information for Derby City householders.
- The national Love Food Hate Waste promotional campaign providing information and events for householders to reduce food waste by shopping more carefully, planning meals and using up their leftovers.
- Encouraging the diversion of bulky waste materials from disposal.
- Freecycle, Freegle, waste exchange sites and internet auction websites to encourage reuse.
- Junk mail prevention initiatives.
- Real Nappy initiatives.
- In-house waste prevention to reduce waste and costs.
- Promoting the reuse and recycling of electrical equipment.



4.2 Kerbside Dry Recycling Collection Service

- Reduce contamination incidents through focused monitoring and awareness activity in conjunction with partner organisations.
- Increasing participation in the recycling scheme by carrying out promotional activity through “door stepping” in identified areas of the City.

4.3 Kerbside Organic Waste Collection Service

- The Council introduced a charge for Garden Waste Collections in 2014.
- The Council will promote home composting.
- There are no plans to introduce a food waste collection service.

4.4 Kerbside General Waste Collection Service

- There are no planned fundamental operational changes to the current fortnightly residual collection service.
The service will remain in-house for the foreseeable future.
- There is a no side waste policy in place.





4.5 Other Waste Collection Services

We will be working in partnership with Nottingham City Council who will be collecting Derby City Council trade waste from 1st April 2018.

4.6 Communication/Promotional Activity

The Council will continue to communicate through a combination of media, particularly social media to promote waste reduction, recycling and disposal services.

4.7 Carbon Improvement Measures

The council is continuously working towards operating efficient collection arrangements by reviewing operational activity and taking advantage of practical green technology solutions that include the introduction of electric bin lifts which reduce fuel consumption for refuse collection vehicles.



4.8 Risk Assessment

The potential risks associated with delivering actions are identified in Table 10.

Table 10 - Potential Risks

Issue	Description	Mitigation	Risk Level		
			High	Med	Low
Customer base for the chargeable garden waste service	Unable to sustain enough customers to cover costs of resources deployed	Promote the Garden Waste Collection Service	X		
Increasing residual waste stream (I)	Excessive amounts of garden waste migrate to the residual waste bin	Promote the Garden Waste Collection Service. Promote Home Composting. Promote composting at Raynesway HWRC and promote Love Food Hate Waste		X	
Increasing residual waste stream (II)	As the UK comes out of recession household waste could rise as a consequence	Promote waste minimisation and recycling opportunities at the kerbside and at Raynesway		X	
Lack of markets for additional items for the kerbside material expansion	Unable to source a reliable market locally that is cost effective for expansion of kerbside materials	Continue to promote waste prevention. As part of DWP lobby for continued packaging reform etc		X	
Legislative change	Unknown issues that could affect day to day operations	Work with DWP to lobby government and respond to consultations		X	
Changing consumer behaviour/consumption patterns	Increase or reduction in yields garden waste and recycling.	Review waste prevention, recycling and reuse systems to ensure effective material capture. Ensure services have potential to cope with changes in tonnages		X	



4.9 Action Plan Timetable

This action plan identifies, subject to budget provision, the key actions of the strategy that Derby City Council will undertake between 2013 and 2018. These are detailed below in Table 11. A progress review of the action plan will take place on an annual basis and also when fundamental changes or significant deviations from projected performance occur. There will also be a complete review at the point of the next DJMWMS review in 2018.

Table 11 - Action Plan Timetable

	Action Plan Implementation	2014/15				2015/16				2016/17				2017/18				Action Plan Link to Strategy Objectives
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
1	Revitalise No Side Waste Policy																	Not collecting extra general waste put at the side of the main bin
2	Promote Home Composting																	Run more promotional campaigns to schools and householders to encourage everyone to prevent waste
3	Promote Love Food Hate Waste																	
4	Promote Waste IT Exchange Sites and Mailing Preference Service																	Use councils website to promote Mailing Preference Service and smart shopping
5	Promote In-House Waste Prevention																	Make sure that councils minimise waste being produced within their own organisations
6	Promote Composting at Raynesway HWRC																	Run more promotional campaigns to schools and householders to encourage everyone to recycle and compost waste
7	Promote Reuse and Recycling of Electrical Items																	
8	Promote Garden Waste Collection Service																	
9	Promote Furniture Reuse and Recycling																	
10	Promote use of Raynesway HWRC and External Bring Sites																	Making sure that households know what can be reused, recycled and composted and checking that the right things are in the correct bins
11	Promote Reuse and Recycling and Review Contamination																	
12	Review Effectiveness of Recycling and Composting Systems. Review how and what recycling takes place at the kerbside.																	Raising householders' awareness of what can be recycled and composted and monitoring that the right things are being recycled and composted



5.1 Delivery of the Strategy

The matrix below identifies how Derby City Council's actions set out in this report contribute to the objectives of the strategy. Where an action set out by DCC directly contributes to a strategy objective it is coloured blue and where an action partially contributes to a strategy objective it is coloured green.

Table 12 - Action Plan Contribution to the Delivery of the Strategy

	Action Plan Implementation	Reduced waste increased reuse and recycling	Reduced waste to landfill	Increased understanding and engagement	An accessible, efficient, effective and value for money service	Improved Resource Efficiency	Reduced carbon/ climate change impacts	Protection of natural resources	Management of non-household wastes	Local self-sufficiency	Action Plan Link to Strategy Objectives
1	Revitalise No Side Waste Policy										Not collecting extra general waste put at the side of the main bin
2	Promote Home Composting										Run more promotional campaigns to schools and householders to encourage everyone to prevent waste
3	Promote Love Food Hate Waste										Use council website to promote Mailing Preference Service and smart shopping
4	Promote Waste IT Exchange Sites and Mailing Preference Service										Make sure that councils minimise waste being produced within their own organisations
5	Promote In-House Waste Prevention										Run more promotional campaigns to schools and householders to encourage everyone to recycle and compost waste
6	Promote Composting at Raynesway HWRC										Making sure that households know what can be reused, recycled and composted and checking that the right things are in the correct bins
7	Promote Reuse and Recycling of Electrical Items										Raising householders' awareness of what can be recycled and composted and monitoring that the right things are being recycled and composted
8	Promote Garden Waste Collection Service										
9	Promote Furniture Reuse and Recycling										
10	Promote use of Raynesway HWRC and External Bring Sites										
11	Promote Reuse and Recycling and Review Contamination										
12	Review Effectiveness of Recycling and Composting Systems. Review how and what recycling takes place at the kerbside.										

■ Direct contribution to objective
 ■ Indirect/partial contribution to objective