



Draft Waste Action Plan for North East Derbyshire

Derbyshire and Derby City Joint Municipal
Waste Management Strategy Review

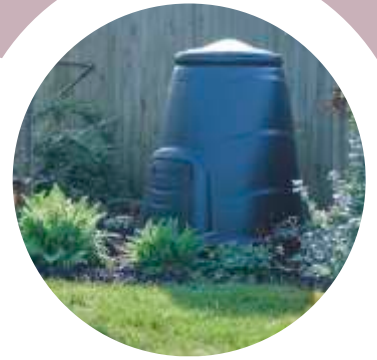
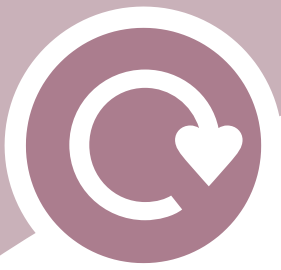
2013-2026

North East
Derbyshire
District Council



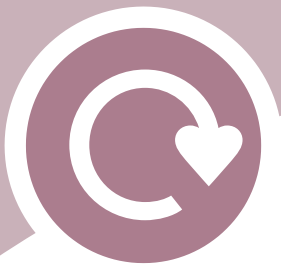
 **recycle**
for Derby
and Derbyshire

Autumn 2014



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1. Introduction

In April 2011 North East Derbyshire District Council (NEDDC) and Bolsover District Council (BDC) formed a 'Strategic Alliance' to work together through shared services including waste management provision.

1.1 North East Derbyshire District Council

North East Derbyshire is situated on the edge of the Peak District National Park. It is characterised by rural agricultural activity to the west and urban settlements to the east. North East Derbyshire has a population of approximately 99,100 and has not shown any significant growth in the past ten years. The main towns are Clay Cross, Dronfield, Eckington and Killamarsh where about 40% of the population reside.

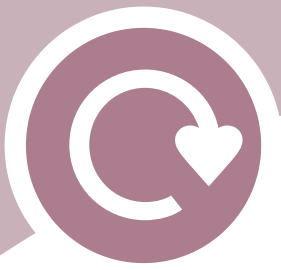
The decline of the traditional coal, steel and engineering industries within North East Derbyshire have led to increased unemployment, higher than the nation average. Housing stock is currently 44,420 with growth averaging from two to three hundred dwellings per year.

1.2 Derbyshire and Derby City 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 specific services that are currently provided or planned by NEDDC to help achieve the vision and objectives of the strategy. A timetable of activities is given in Table 9 on page 15.





2. Existing Waste Management Services

This section summarises the waste management services currently provided by NEDDC, covering waste prevention, reuse, recycling, composting, general waste collections and related services. The key waste management services currently offered by NEDDC are outlined in a set of tables.

In May 2011, the Council introduced a three wheeled bin collection system to increase recycling opportunities for householders. Recycling is collected in a burgundy bin, garden waste in a green bin and general waste in a black wheeled bin. The standard wheeled bin size is 240 litres. Householders can opt for smaller or larger sizes in certain circumstances. The black and burgundy wheeled bins are collected on alternate weeks throughout the year. The garden waste collection service operates on a fortnightly basis from March until November, stopping during the winter months.

2.1 Waste Prevention and Reuse

The Council promotes a range of waste prevention, reduction and reuse initiatives. This includes working with the DWP to promote a range of initiatives such as home composting, food waste reduction (the Love Food Hate Waste campaign), furniture and textile reuse, and real nappies.





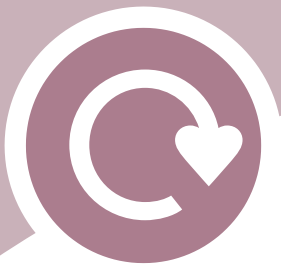
2.2 Kerbside Dry Recycling Collection Service

The burgundy wheeled bin has an inner caddy for paper. All other items are placed in the main body of the bin. A small number of properties in rural areas do not have the inner caddy for paper due to the nature of the collection vehicle used for rural rounds. Excess recyclate can be deposited in a clear bag alongside the burgundy bin on collection day.

Table 1 - Kerbside Dry Recycling Collection Service (2012/13 data)

Description	Collection Details
Coverage	100% (44,719 households)
Receptacles	240 litre wheeled bin: 100% (44,420 households)
Collection frequency	Fortnightly
Materials collected	Paper, card, cans, glass, mixed plastic, textiles, footwear, batteries, aluminium foil, small household batteries
Service provider	H W Martin Waste Ltd
Term of contract	November 2010 – October 2015 ¹
Tipping point/Destination	Alfreton Recycling Centre (ARC), Clover Nook Waste Transfer Station, Alfreton, Derbyshire.
Tonnage collected 2012/13	8,697 tonnes

¹ Option to extend for a further two years until 2017.



2.3 Kerbside Garden Waste Collection Service

The garden waste collection service operates on a fortnightly basis throughout from March until November, stopping during the winter months. All households are offered the service and are provided with green wheeled bins. From May 2014 a new food waste collection service began with food waste being collected with garden waste. The waste is made into soil improver at a new in-vessel composting facility at Arkwright, Chesterfield. The suspension of this service during the winter months may be reviewed if the demand or waste levels increase during this period.

Table 2 - Kerbside Garden Waste Collection Service (2012/13 data)

Description	Collection Details
Current coverage	99.7% of households (44,280) are offered the service
Receptacles	140 litre wheeled bin: 1.9% (850 households) 240 litre wheeled bin: 97.8% (43,430 households)
Collection frequency	Fortnightly
Materials collected	Green garden waste only
Service provider	In-house
Term of contract	Indefinite
Tipping point/destination	Alfreton Recycling Centre (ARC), Treatment at Park Farming Ltd, South Anston, Sheffield
Tonnage collected 2012/13	9,170 tonnes





2.4 Kerbside General Waste Collection Service

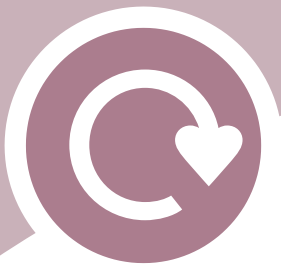
All households receive a fortnightly general waste collection service. Side waste is accepted during the Christmas period and in extreme weather conditions. Households with six or more permanent occupants can apply for a larger or additional waste and/or recycling bin. Householders must complete an application form and demonstrate that they are using the available recycling and organic waste collection services. Face to face advice can be given to householders on how to manage their waste if required.

Table 3 - Kerbside General Waste Collection Service (2012/13 data)

Description	Collection Details
Coverage	100%(44,420households)
Receptacles	140 litre wheeled bin: 2.3% (1,020 households) 240 litre wheeled bin: 95.6% (42,583 households) 360 litre wheeled bin: 0.5% (216 households) Communal bin: 1.3% (581 households) Sacks: 0.3% (138 households)
Collection frequency	Fortnightly
Service provider	In-house
Term of contract	Indefinite
Tipping point/Destination	90% Landfill (Erin, Chesterfield)
Tonnage collected 2012/13	19,170 tonnes

2.5 Bring Sites

Since August 2012 bring site provision ceased due to the increased participation and materials accepted in the kerbside recycling scheme. This will be reviewed on a regular basis to measure demand for specific materials.

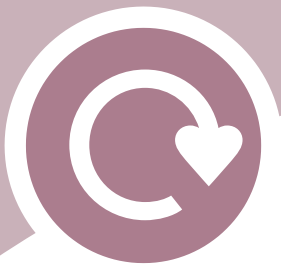


2.6 Other Waste Collection Services

The Council provides a number of collection services that range from commercial waste, bulky waste from households, healthcare, street litter and fly-tipping. Each service is listed below in Table 5 and shows performance during 2012/13.

Table 5 - Other Waste Collection Services (2012/13 data)

Collection Service	Collection and Performance Details
Commercial and chargeable household waste	Tonnage: 1,831 tonnes Number of customers: 667 Destination: Landfill (Erin, Chesterfield)
Bulky waste	The bulky waste collection service is chargeable with a concessionary rate for householders in receipt of benefits. Tonnage: 257 tonnes Number of appointments: 2,172 Tipping point/destination: Landfill (Erin, Chesterfield) Electrical items are sent to Sims Group (UK) Ltd
Hazardous/ Healthcare waste	Hazardous infectious (Category A) wastes are collected separately and disposed via incineration. Less hazardous waste is collected via normal kerbside collections and disposed with other residual household wastes. Tonnage: 20 tonnes Number of collections/customers: 1,155 registered for Category E waste (collection predominantly via kerbside) and 75 for Category A waste (special collection). Tipping point/destination: Energy from Waste, Eastcroft, Nottingham via Clover Nook transfer station at Alfreton.
Street litter/ sweepings	Tonnage: 1,455 tonnes Tipping point/destination: Landfill (Erin, Chesterfield)
Highways waste	Tonnage: 187 tonnes Tipping point/destination: Energy from Waste, Eastcroft, Nottingham via Clover Nook transfer station at Alfreton.
Fly-tipping	Tonnage: 45 tonnes Number of pickups: 403 Tipping point/destination: Landfill (Erin, Chesterfield)



3. Waste Management Service Performance

This section summarises the service performance trends over the past five years and forecasts future performance until 2017/18 based on the new recycling services introduced in 2011.

3.1 Service Performance

Table 6 below highlights the positive impact on recycling performance created by the introduction of the burgundy recycling bin in May 2011 (this replaced the kerbside box collection service). There has also been a steady reduction in garden waste (per household) composted which may in part, be due to drier weather in the last three years. Waste reduction (kg per household) is evident with a significant reduction recorded at the household level.

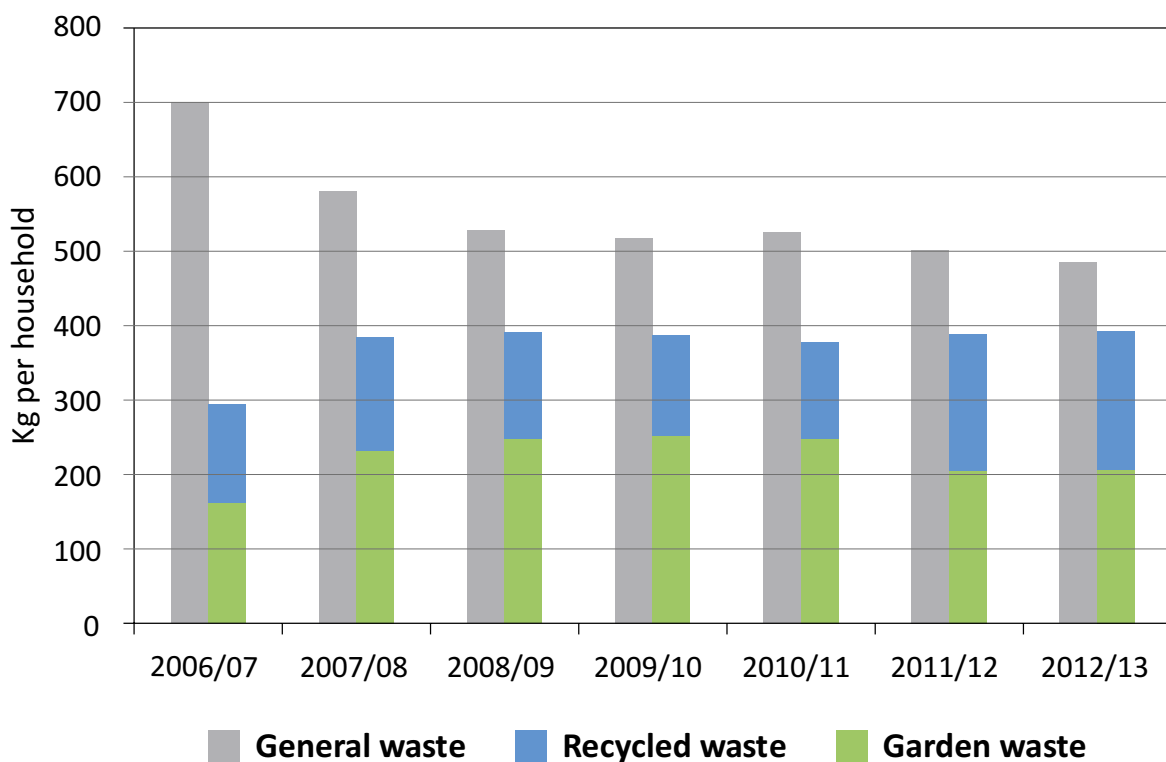
Table 6 - Service Performance 2006/07 – 2012/13

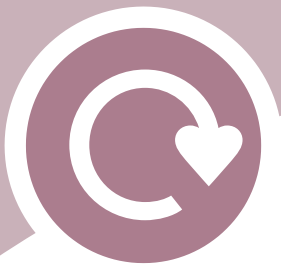
Description of Performance Category	2006/07	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13
	Actual	Actual	Actual	Actual	Actual	Actual	Actual
Household waste recycled	13.6%	15.8%	15.7%	15.0%	14.5%	20.7%	21.2%
Household waste composted	16.3%	24.1%	26.9%	27.9%	27.5%	23.0%	23.5%
Household waste recycled and composted	29.9%	39.9%	42.6%	42.9%	42.0%	43.7%	44.7%
General household waste collected (per household)	700kg	581kg	528kg	517kg	525kg	502kg	485kg
Garden waste collected (per household)	161kg	232kg	247kg	252kg	248kg	205kg	206kg
Recyclate collected (per household)	134kg	153kg	144kg	135kg	130kg	184kg	187kg
Total waste collected (per household)	995kg	966kg	919kg	904kg	903kg	891kg	831kg



Figure 1 illustrates the changes in service performance over the past seven years. This shows that general waste collected has gradually decreased since 2008/09 with a continued reduction following the introduction of the third wheeled bin in May 2011. Since 2011/12 material collected for recycling per household has significantly increased.

Figure 1 - Service Performance 2006/07 – 2012/13





3.2 Future Performance Projections

NEDDC are committed to increase recycling performance by providing plastics and food waste recycling services². The Council included a mixed plastics collection at the kerbside in 2011 and will include food waste within the existing garden waste collection service in 2014. NEDDC have forecast performance projections for 2013/14 to 2017/18 outlined in Table 7. Figure 2 provides an overall trend.

Table 7 - Service Performance Projections

Description of Performance Category	2013/14	2014/15	2015/16	2016/17	2017/18
Household waste recycled	21%	21%	22%	22%	22%
Household waste composted	24%	25%	26%	27%	27%
Household waste recycled and composted	45%	46%	48%	49%	49%
General household waste collected (per household)	485kg	479kg	464kg	457kg	459kg
Green waste collected (per household)	211kg	222kg	231kg	242kg	243kg
Recyclate collected (per household)	185kg	186kg	196kg	197kg	198kg
Total waste collected (per household)	881kg	887kg	891kg	896kg	900kg

² NEDDC Corporate Plan 2011 – 2015/16.

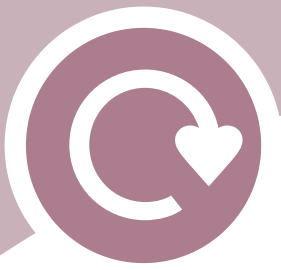
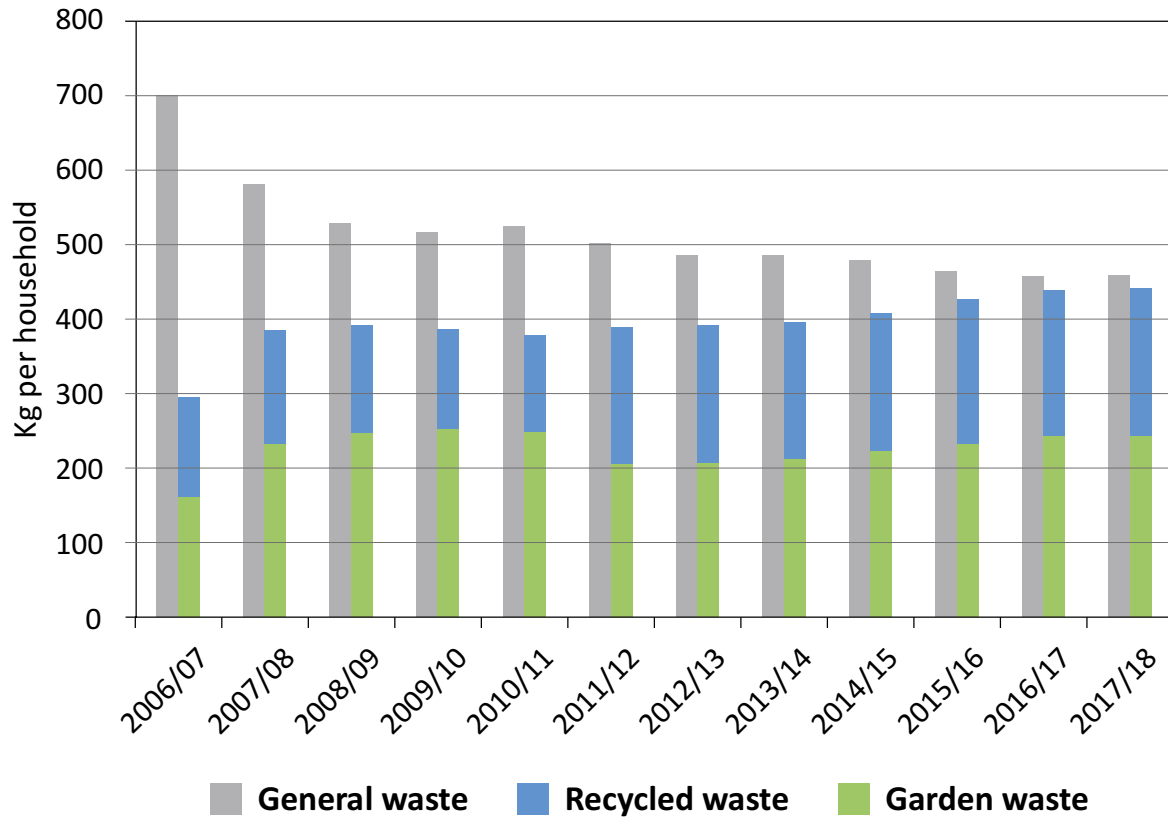
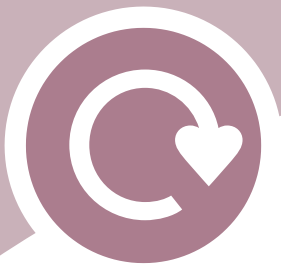


Figure 2 - Service Performance Projections 2006/07 – 2017/18





4. Action Plan

A summary of current or planned changes to waste management services is outlined in this section using the delivery options that have been identified in the strategy. These proposals will contribute to the vision and objectives of the strategy and drive change in waste prevention, reuse, recycling and composting by the Council.

4.1 Waste Prevention and Reuse Initiatives

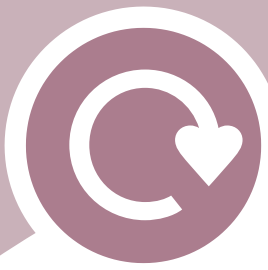
The Council is committed to undertaking a number of initiatives to encourage and promote waste prevention and reuse.

The Council's policy is to reduce the standard general waste wheeled bin size from 240 litres to 180 litres. This will be undertaken gradually for new households, when replacement bins are required or on request from households.

Households that are provided with larger general waste bins and do not use the available recycling services will have the larger bin replaced with the standard size. Households receiving a larger bin will be reviewed should circumstances change.

The Council will further develop and promote the following initiatives in partnership with the DWP to prevent waste and encourage reuse:

- A home composting scheme provided across the county that offers householders discounted composting bins and composting information.
- The national Love Food Hate Waste promotional campaign provides information and events for householders to reduce food waste by shopping more carefully, planning meals and using up their leftovers.
- Furniture reuse through local furniture projects and third sector organisations to encourage diversion of bulky waste materials from disposal providing good quality furniture to householders on a budget.
- Freecycle, Freegle, waste exchange sites and internet auction websites to encourage reuse.
- Waste prevention within the council to reduce waste and costs.
- The reuse and recycling of electrical and electronic equipment.
- On-going marketing and promotion to maximise waste prevention and reuse by householders.
- Support the County Council in working with charities and encourage households to donate more items.



4.2 Recycling and Composting Initiatives

Kerbside Dry Recycling Collection Service

The Council will further develop and promote the following initiatives in partnership with the DWP to increase recycling:

- HW Martin Waste Ltd are contracted to deliver the kerbside dry recycling collection service until 31 October 2015 with an option to extend for a further two years. The contract has a focus on increasing participation and a commitment to recycling as much household waste as possible.
- Efforts to minimise contamination and increase public understanding of the importance of putting out the requested material will be further developed. This includes increasing the understanding around which plastics can be accepted for recycling.
- The Council will consider the expansion of materials accepted at the kerbside to include plastic film, cardboard beverage packaging and small electrical items.

Kerbside Garden Waste Collection Service

The Council will further develop and promote the following initiatives in partnership with the DWP to increase composting:

- On-going marketing and promotion will help to maximise composting activity by householders.
- The development of the Arkwright In-Vessel Composting plant, which opened in May 2014, will enable the Council to collect food waste with garden waste. The Council will utilise Derbyshire County Council funding to provide and promote kitchen caddies and will embark on an extensive promotional campaign to encourage householders and commercial premises to use the new services.





Kerbside General Waste Collection Service

The Council will further develop and promote the following initiatives in partnership with the DWP to reduce general waste:

- There are no planned operational changes to the general waste collection service. The service will continue to be provided by council staff.
- The Council plans to reduce the general waste wheeled bin size from 240 litre to 180 litre to reflect reducing amounts of general waste collected. This will be on a gradual basis at new build properties and as bins require replacement. Fortnightly general waste collections will continue.
- The side waste policy that is relaxed over the Christmas period is currently being reviewed and side waste may not be accepted in future.

Bring Sites

There are currently no plans to reintroduce bring sites however this will be reviewed to assess overall requirements and demand.

Other Waste Collection Services

Bulky waste collection service arrangements will be reviewed and consideration will be given to increasing the reuse and recycling of bulky waste items collected.

The Waste (England and Wales) Regulations 2011 requires waste collection authorities to take reasonable measures to provide separate multi material collections to its commercial customers, schools and businesses. The existing customers will be offered kerbside recycling services following a trial in 2013/14.

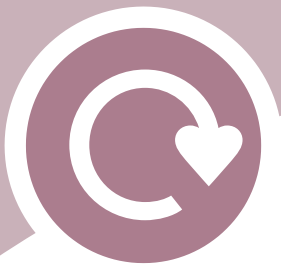
4.3 Communication and Promotional Activity

The Council will continue to pursue a wide range of promotional activity and pursue funding opportunities where ever possible to facilitate this.

The Council will focus on promoting the new food waste collection service in 2014. In 2013/14 a recycling promotion assistant was funded through the Waste Performance and Efficiency Grant. This post is for both NEDDC and BDC with the post focussing primarily on the roll out of the food waste collection service, developing services and resolving any issues with the current collection services.

4.4 Carbon Improvement Measures

The Council is continuously working towards operating efficient collection arrangements where feasible. Service provision is reviewed regularly to maximise carbon benefits. One example is the current trial of electric bin lifts that reduce diesel fuel use and carbon emissions.

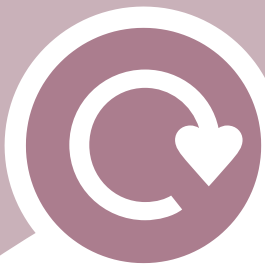


4.5 Risk Assessment

The potential risks associated with delivering actions are identified in Table 8.

Table 8 - Potential Risks

Issue	Description	Mitigation	RiskLevel		
			High	Med	Low
Availability of the In-vessel composting facility at Arkwright from April 2014	Construction of the facility may delay planned roll out of the mixed food and garden waste scheme.	Seek to promote the Love Food Hate Waste campaign and home composting in the interim.		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 of food waste, garden 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	
Bulky waste diversion	Availability of suitable outlets to divert reusable and repairable bulky waste items.	Review all furniture reuse organisations operating within the region.		X	
Lack of markets for additional items for kerbside material expansion	Unable to source a reliable local market for items such as small electricals, cardboard beverage packaging and plastic film.	Continue to promote waste prevention and work with DWP to lobby for continued packaging reform.			X



4.6 Action Plan Timetable

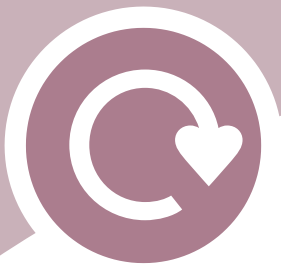
This action plan identifies the key actions of the strategy that NEDDC will undertake between 2013 and 2018. The timetable shown in Table 9 identifies specific actions and initiatives that contribute to the vision and objectives of the waste strategy.

Table 9 - Action Plan Timetable

	Action	2013/14				2014/15				2015/16				2016/17				2017/18			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Prevention	1 Not collecting extra general waste put at the side of the main bin																				
	2 Promote SMART (Save Money and Reduce Trash) shopping to encourage households to buy items with less packaging, use reusable bags and buy refill packs																				
	3 Promote the Love Food Hate Waste campaign																				
	4 Raise awareness of reducing junk mail																				
	5 Encourage waste prevention as part of the Council's own activities and operations																				
	6 Make bins for general waste smaller to encourage more recycling & composting																				
	7 Run more promotional campaigns to schools and householders to encourage everyone to minimise waste																				
Reuse	8 Review and seek opportunities to increase the reuse of furniture and large items collected by councils																				
	9 Run more promotional campaigns to schools and householders to encourage everyone to reuse waste																				
Recycling & Composting	10 Make sure that households know what can be recycled and composted and checking that the right materials are placed in the right bins																				
	11 Collect food waste with garden waste																				
	12 Recycle more waste collected by the councils from businesses																				
	13 Collect a greater range of materials for recycling & composting from households																				
	14 Run more promotional campaigns to schools and householders to encourage everyone to recycle and compost																				
Other	15 Review and consider increasing the range of materials collected for recycling from households																				
	16 Align bulky waste collection service with BDC																				
	17 Review overall waste management policies																				
	18 Kerbside recycling contract review/renewal																				
	19 Action Plan review (to include review of Strategy options)																				

Responsibility: ■ NEDDC ■ NEDDC & BDC ■ DWP

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.



4.7 Delivery of the Strategy

The matrix below identifies how NEDDC actions set out in this report contribute to the objectives of the strategy. Where an action set out by NEDDC 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 10 - Action Plan Contribution to the Delivery of the Strategy

Action		Objectives								
		Reduced waste	Increased reuse and recycling of waste	Reduced waste to landfill	Increased understanding and engagement leading to high levels of customer satisfaction	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
Prevention	1 Not collecting extra general waste put at the side of the main bin									
	2 Promote SMART (Save Money and Reduce Trash) shopping to encourage households to buy items with less packaging, use reusable bags and buy refill packs									
	3 Promote the Love Food Hate Waste campaign									
	4 Raise awareness of reducing junk mail									
	5 Encourage waste prevention as part of the Council's own activities and operations									
	6 Make bins for general waste smaller to encourage more recycling & composting									
	7 Run more promotional campaigns to schools and householders to encourage everyone to minimise waste									
Reuse	8 Review and seek opportunities to increase the reuse of furniture and large items collected by councils									
	9 Run more promotional campaigns to schools and householders to encourage everyone to reuse waste									
Recycling & Composting	10 Make sure that households know what can be recycled and composted and checking that the right materials are placed in the right bins									
	11 Collect food waste with garden waste									
	12 Recycle more waste collected by the councils from businesses									
	13 Collect a greater range of materials for recycling & composting from households									
	14 Run more promotional campaigns to schools and householders to encourage everyone to recycle and compost									
15 Review and consider increasing the range of materials collected for recycling from households										
Other	16 Align bulky waste collection service with BDC									
	17 Review overall waste management policies									
	18 Kerbside recycling contract review/renewal									
	19 Action Plan review (to include review of Strategy options)									

■ Direct contribution to objective

■ Indirect/partial contribution to objective



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Visit www.derbyshire.gov.uk/wastestrategy
for more information about reducing, reusing, recycling and composting
or to find out more about dealing with Derbyshire and Derby's waste.