
WARWICKSHIRE WASTE PARTNERSHIP

COMMITTEE ROOM 2, SHIRE HALL, WARWICK

2:00pm, 15 June 2016

AGENDA

General

1. **Apologies**
2. **Disclosures of interests**
3. **Minutes of the previous meeting, including matters arising**

Reports

4. **To note the appointment of Councillor Gwynne Pomfrett as the representative of Nuneaton and Bedworth Borough Council**
5. **Draft Street Charter – Waste and Recycling**
The Warwickshire Waste Partnership is asked to consider the draft Street Charter for Warwickshire relating to waste and recycling - Warwickshire Waste Partnership is requested to sign-up to the Charter for waste and recycling matters.
6. **Behaviour Change – Programme of Work for 2016/17**
The Waste Partnership will note the behaviour change work programme of Warwickshire County Council for 2016/17 and agree to provide relevant staff/officer support from their authorities.
7. **Waste Data Overview for Q3, Q4 and End of Year Provisional Data 2015/16**
The Waste Partnership is asked to note the provisional data for the 3rd and 4th quarter and estimated provisional data for the whole year 2015/16.
8. **Waste Partners Report**
This report provides an update on the various waste initiatives taking place in each authority area.
9. **Waste Composition Analysis**
The Waste Partnership is asked to note the overview of the recent kerbside and HWRC waste composition analysis.

Other

10. Dates of future meetings

- 14th September 2016, 14.00, CR2, Shire Hall, Warwick
- 7th December 2016, 14.00, CR2, Shire Hall, Warwick

11. Agenda item suggestions for next meeting

12. Any urgent items

Membership of the Warwickshire Waste Partnership

North Warwickshire Borough Council

Councillor Les Smith

Nuneaton and Bedworth Borough Council

Councillor Gwynne Pomfrett

Rugby Borough Council

Councillor Lisa Parker

Stratford-on-Avon District Council

Councillor Mike Brain

Warwick District Council

Councillor Dave Shilton (Vice-Chair)

Warwickshire County Council

Councillors Chris Clark, Jeff Clarke (Chair), Jenny Fradgley, Philip Johnson, Wallace Redford

Enquiries

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WARWICKSHIRE WASTE PARTNERSHIP

Minutes of the meeting held on 16 December 2015, Shire Hall, Warwick

Present:

Warwickshire County Council

Councillors: Chris Clark
Jeff Clarke (Chair)
Jenny Fradgley
Philip Johnson
Wallace Redford

Officers: Glenn Fleet – Group Manager, Waste Management
Tamalyn Goodwin – Waste Strategy and Commissioning Officer
Kerry Moore – Waste Strategy and Commissioning Manager
Ben Patel-Sadler – Democratic Services Officer

North Warwickshire Borough Council

Councillor Les Smith
Richard Dobbs – Assistant Director (Streetscape)

Nuneaton and Bedworth Borough Council

Councillor Neil Phillips
Brent Davis – Director - Assets and Street Services
Richard Shields

Rugby Borough Council

Councillor Lisa Parker
Gill Russell
Sean Lawson – Head of Environmental Services

Stratford-on-Avon District Council

Angela Lloyd
Councillor Mark Cargill
Chris Dobson

Warwick District Council

Gary Charlton
Councillor David Shilton
Nick Gray

1. Apologies

Councillor Mike Brain (Stratford District Council) and Mark Ryder (Head of Economic Growth, Warwickshire County Council).

2. Disclosures of interests

None.

3. Minutes of the previous meeting, including matters arising

The minutes of the meeting held on 16 September 2015 were approved as a correct record and signed by the Chair.

4. Signing of the Highway Cleansing Protocol

Sean Lawson (Head of Environmental Services, Rugby Borough Council) introduced the report and informed the Waste Partnership that the Highway Cleansing Protocol was a voluntary agreement that sought to ensure better use of road closures to help clean and maintain highways with limited resources.

Members considered the content of the tabled report and made the following observations:

- The Partnership thanked Sean Lawson for all of his work in relation to the Highway Cleansing Protocol – all partners indicated a willingness to sign the document.
- Members supported the idea of publicising the ‘Clean for the Queen’ scheme within their local areas. This was an anti-litter campaign which hoped to encourage local people to volunteer to clean the streets to help celebrate the Queen’s 90th birthday. The scheme was scheduled to take place between the 4th and 6th March 2016.
- Members noted that the County Council could help to dispose of the waste collected by District and Boroughs through its HWRCs.

Resolved

That the Waste Partnership collectively signed the Highway Cleansing Protocol and encouraged all District and Borough Councils to support and take part in the ‘Clean for the Queen’ scheme.

5. Door to Door and HWRC Canvassing

Stephen Bates and Mildred Ho (EnviroComms) made a presentation to the Waste Partnership which summarised the recent door to door and HWRC canvassing exercise undertaken by EnviroComms.

The following points were noted by the Waste Partnership during the presentation:

- This was the second project undertaken by EnviroComms in Warwickshire. The EnviroComms team who conducted the canvassing exercise were well resourced and had undertaken work around the county.
- Residents of Warwickshire who had been consulted by EnviroComms had provided positive feedback on the county's waste disposal services – in particular with the quality of the service and the effectiveness of the crews.
- Overall there had been an increase in the number of residents participating in recycling. This was also highlighted by a recorded increase in the amounts of dry mixed recycling and overall recycling tonnage across the county.
- There had also been an increase in the amount of garden waste being recycled.
- Participants in the canvassing exercise also praised the county's HWRCs. However, some residents had stated that they were sometimes restricted by some HWRC opening hours. Also, some residents felt that the bins at their properties were too small which resulted in them having to travel to a HWRC to dispose of materials which did not fit into their household bins.
- The Waste Partnership noted that EnviroComms had been asked to focus on the issues surrounding food waste and black plastic.
- The final report which would summarise the entirety of the EnviroComms canvassing exercise would be available in the near future. Pre and post canvassing data would be included in the final report.
- Recycling rates for garden waste and the figures for food waste in Nuneaton and Bedworth appeared poor, as the first consultation had taken place in June, with the second in the Autumn – seasonality could be an explanation for this.

Resolved

That the Waste Partnership noted the presentation from EnviroComms.

6. Waste Data Overview for Q2 2015/16

Glenn Fleet (Group Manager, Waste Management) introduced the report and informed the Partnership that overall there had been a reduction in the total amount of Municipal Waste. Members noted that the greatest reduction had been in the amount of green waste collected which had seen over a 3000 tonne drop when compared with the same quarter from last year.

Glenn Fleet informed the Partnership that the amount of dry recycling had increased which was a positive sign.

Members noted that due to the improvement of the economic climate, the overall amount of waste being produced by households was increasing. Food waste was increasing – Glenn Fleet informed the Partnership that over £1 million per annum could be saved across the county if residents disposed of their food waste via their green bins.

The Partnership expressed a view that the contamination of waste was an issue which required addressing – one possible method of combating this issue would be to provide additional information to residents on how they could best dispose of their household waste to improve recycling rates and keep contamination to a minimum.

Kerry Moore (Waste Strategy and Commissioning Manager) introduced a video which had recently been produced by Warwickshire County Council which highlighted the issue of food waste recycling and how residents could effectively recycle and dispose of their food waste. The video was well received by the Partnership and could be viewed at www.warwickshire.gov.uk/foodwaste

Kerry Moore informed members that local companies were sponsoring a food waste recycling promotion which would be running for the whole of March 2016. The artwork and dedicated website for this event were being finalised and advertising for the event would be conducted via the use of bin hangers and leaflets.

Resolved

That the Waste Partnership note the provisional data for the second quarter of 2015/16 – July – September 2015.

7. Waste Partners Report

Each Partner Authority informed the Partnership of the work currently being undertaken in their area.

North Warwickshire

Richard Dobbs Assistant Director (Streetscape) (North Warwickshire Borough Council) informed members that the fleet of new refuse vehicles were expected to arrive in the next few weeks.

Members noted that North Warwickshire was currently experiencing a growth in its housing stock which would put added pressure onto the waste collection and disposal service in the area as the homes were built. The Waste Partnership noted that the Council was looking at the possibility of implementing charges to new house builders to cover the costs of providing the properties with the new bins which they required. The Partnership noted that local authorities did have the ability to charge for providing new bins – Stratford-on-Avon District Council had been charging developers for bins since 2011. A seminar was hosted by Rugby BC looking at this issue – it was hoped that this would enable this area of work to progress further. North Warwickshire Borough Council had been visited by the Health and Safety Executive (HSE) who had not identified any issues – the Council had received positive feedback from the HSE. The Council had also finished as runner-up in the refuse and recycling category at the recent Performance Network Awards.

Warwick District Council

Nick Gray reported that SITA had recently appointed a new recycling officer working on the WDC contract. SITA retained all the income generated from the recycling and so improving recycling performance was to their benefit.. There had been issues delivering replacement bags/boxes out to customers as evident in the canvassing project, but this had now hopefully been resolved.

Stratford-on-Avon District Council

Members noted that Stratford-on-Avon District Council had recently been rated as 10th in the country for recycling performance.

There was nothing further to report from the other authorities in attendance.

Resolved

The Waste Partnership acknowledged the work being undertaken in each partner authority.

8. Verbal Update on the Strategic Group

Richard Dobbs – Assistant Director (Streetscape) (North Warwickshire Borough Council) informed the Partnership that Strategic Group had last met on the 4th December 2015 and had agreed that the priority action area was

food waste and securing outlets for the collection authorities dry recycling material. The Strategic Group had expressed a view that it would be important for more residents to use their green bins for the disposal of additional food waste.

Concerns had been raised at the Strategic Group in relation to providing education and guidance to residents around recycling. It was thought that additional guidance and advice could improve recycling levels, although at the present time there was not enough of a budget to provide the appropriate amount of promotional materials. Members noted that free, online learning around recycling was available for schools to access.

Resolved:

The Waste Partnership noted the verbal update in relation to the work of the Strategic Group.

9. Annual Progress Report for Warwickshire's Municipal Waste Management Strategy

Glenn Fleet (Group Manager, Waste Management) introduced the report and thanked Tamalyn Goodwin (Waste Strategy and Commissioning Officer) for all the work she had done in helping to produce the document.

Members noted that the aim of the Municipal Waste Strategy was to reduce the amount of residual waste and to achieve a 65% recycling target. Recycling levels were currently increasing and were above the national average. Members noted that the amount of waste produced by households was increasing by around 1.5% - this figure was manageable at the present time.

Members noted that the Waste Partnership had conducted excellent work around recycling – there had been year on year growth in the amount of material recycled across the county. Glenn Fleet informed the Partnership that 30% of the waste directed to landfill was used in the process of energy recovery.

Glenn Fleet informed members that around 70% of collected food waste could have been recycled - the Partnership noted that more education was required so that recycling rates could be increased, leading to a decrease in the amount of waste being directed to landfill.

Members expressed a view that additional assistance would need to be provided from central government if local authorities were to meet their targets around the amount of food waste being produced and collected.

Glenn Fleet assured the Partnership that the Strategic Group would be looking at the ways in which the amounts of residual waste produced by each District and Borough was recorded. The Partnership expressed a view that the national indicator could result in figures not being representative of the exact position in relation to residual waste in each District/Borough.

Resolved:

The Waste Partnership noted the verbal update in relation to Warwickshire's Municipal Waste Strategy.

10. Courtauld Commitment

The Waste Partnership noted that the original Courtauld Commitment was a voluntary agreement aimed at improving resource efficiency and reducing waste within the UK grocery sector. It was launched in 2005 and was currently in its third phase. The latest commitment, Courtauld 2025 is due to be launched in 2016 and is an ambitious 10 year voluntary agreement which aims to bring together a broader range of organisations involved in the food system, including local authorities, to make food and drink production and consumption more sustainable.

Resolved:

The Warwickshire Waste Partnership agreed to become a signatory to Courtauld 2025.

11. Dates of future meetings

The Waste Partnership noted the dates of future meetings – the next meeting on 3rd March 2016 was the annual conference and would be held at Northgate House, Warwick.

12. Agenda item suggestions for next meeting

Members suggested that Age Concern should be invited to the annual conference in March to conduct a presentation around the operation of the shops at HWRCs

13. Any urgent items

None.

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Chair

The meeting closed at 3.55pm

Warwickshire Waste Partnership

15th June 2016

Draft Street Charter – Waste and Recycling

Recommendations

- (1) The Warwickshire Waste Partnership is asked to consider the draft Street Charter for Warwickshire relating to waste and recycling and Warwickshire Waste Partnership is requested to sign-up to the Charter for waste and recycling matters.

1.0 Introduction

- 1.1 Warwickshire Vision Support and Royal National Institute of the Blind (RNIB) have contacted Warwickshire County Council asking that the local authorities in Warwickshire consider signing-up to a Street Charter.
- 1.2 The RNIB is a membership body which offers support and advice to blind and partially people. Warwickshire Vision Support is an organisation that offers a range of statutory rehabilitation services and voluntary support services to blind and partially sighted people. .
- 1.3 The RNIB has a campaign and report titled 'Who Put That There' which is aimed at improving access to and in the street environment for blind and partially sighted people. This campaign report has been informed by a survey of blind and partially sighted people and identified a number of areas that cause problems for blind and partially sighted people when negotiating the street scene:
- Pavement parking
 - A-boards
 - Inaccessible crossings
 - Bins and recycling boxes on pavements
 - Permanent or temporary street furniture
 - New developments including shared space
- 1.4 The RNIB is calling for three key changes through their campaign:-
- Government to review guidance on inclusive mobility;
 - Local authorities to engage with blind and partially sighted people / groups to develop a street charter that puts a clear highway policy at the heart of their decision-making; and

- Local authorities to review their policies in relation to the six areas, listed in 1.3, which cause concern / problems for blind and partially sighted people.
- 1.5 The Warwickshire Waste Partnership (WWP) is being asked for its views to signing-up to the Charter and is requested to sign-up to the part of the Street Charter relating to waste and recycling only.
- 1.6 A draft Street Charter is attached at Appendix 1. This Charter has been supplied to Warwickshire County Council as a potential template for a street charter that the local authorities could consider signing up to.
- 1.7 The WWP is asked to ensure that waste and recycling activities do not result in the footway being obstructed and is asked to sign-up to the following commitments:
- To make sure that refuse vehicle crews are aware of the importance of storing bins as safely as possible; and
 - To work with residents to encourage bins to be considerately placed and the importance of storing the bins safely.

2.0 Comments of the Warwickshire Waste Partnership

- 2.1 Local authorities have been engaged in advance of this report being produced. Some local authority comments are captured in this report and others are to be reported at the meeting on 15 June 2016.
- 2.2 The initial views of Nuneaton and Bedworth Council and Rugby Borough Council are that no issues are seen with signing up to the charter but consultation is need with the Cabinet Member.
- 2.3 The formal position of Warwick District Council, Stratford District Council and North Warwickshire Borough Council will be reported at the meeting.
- 2.4 Warwickshire County Council are supportive of the Street Charter relating to waste and recycling.

Supporting Papers

1. Appendix 1 – Draft Street Charter

	Name	Contact Information
Report Author	Mike Peet	mikepeet@warwickshire.gov.uk
Head of Service	Mark Ryder	markryder@warwickshire.gov.uk
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Portfolio Holder for Transport & Planning	Peter Butlin	peterbutlin@warwickshire.gov.uk

Draft Street Charter

The Councils are committed to engaging positively with all vulnerable road users, and values their input on how we plan, develop and manage our built environment.

This charter has been developed in partnership with a number of stakeholders including RNIB and Warwickshire Vision Support. In order to inform the charter we have sought to engage widely and this included working with the following groups:

- Individual blind and partially sighted residents
- RNIB
- Warwickshire Vision Support
- Guide Dogs

This charter is intended to be a 'living' document that will be under constant review, and we welcome the opportunity to engage further with vulnerable road users both as individuals and representatives of stakeholder groups. This will ensure that this charter remains relevant and focused moving forward.

The charter sets out a list of actions / commitments, which the Council will seek to undertake. These have been formed under different headings, which represent the main issues that have been previously raised with us around how people and particularly blind and partially sighted people negotiate the built environment within Solihull, and the difficulty that this can present.

Reporting

We agree to develop and promote easy and accessible ways for vulnerable road users to report issues such as temporary street obstructions, overgrown branches and crossings where audible beeps or cones are not working. This may be via e-mail, website, phone or through Neighbourhood Coordinators.

Engagement

In accordance with our Public Sector Equality Duty, we agree to involve and consult with vulnerable road users in an accessible way when new developments such as shared space schemes are put forward. We will where reasonable and possible, seek to make any necessary changes to the scheme to facilitate this.

Advertising Boards and street and café furniture

We agree to:

- Carry out regular audits of street and cafe furniture and advertising boards in town centres, in conjunction with vulnerable road users.
- Take a more robust approach to the enforcement of the current policies and guidelines regarding advertising boards and café furniture.
- To regularly update policies and guidance in accordance with local need and to have clear policies available to the public.
- Set up accessible ways for blind and partially sighted people to report collisions and injuries they experience because of A-boards and/or street furniture.
- In conjunction with our partners, monitor how many blind and partially sighted people are being injured due to collisions with obstacles
- Work with vulnerable road users to monitor and mitigate the impact of any temporary obstructions that appear on the highway, including creating an accessible reporting process.
- Work with local business owners to improve knowledge and understanding around how advertising-boards cause difficulties for blind and partially sighted people and to consider using alternative forms of advertising.
- When urban centres are redeveloped, proactively engage with vulnerable road users around the design and implementation of street furniture.

Parking on Pavements

We agree to:

- Work with the police and PCSOs to use their existing powers under the Highways Act and other legislation to keep the pavement clear of obstructions caused by parked cars.
- Work with the police and PCSOs to engage with vulnerable road users and the wider community to improve awareness of the dangers of parking on pavements.

New Developments/ Shared Space

We agree to:

- We agree to continue to work with and consult the established vulnerable road user groups in relation to new major developments within the County.
- We will promote the services offered by the Authorities to engage with and inform vulnerable road users directly in their preferred format of any consultations on new developments in the County.

- We agree to work with the relevant organisations to ensure that any future consultations about new developments are accessible to blind and partially sighted people.
- We agree to work with the relevant organisations to develop ways of promoting these consultations through existing networks.

Crossings

We agree to:

- Work with blind and partially sighted people to review and audit pedestrian crossings.
- Continue to enforce national guidance when it comes to the use of audible beeps, rotating cones and tactile paving.
- Where there are plans to change or remove existing crossings, actively consult with vulnerable road users prior to any decision being made.

Wheelie bins and recycling bags

We agree to:

- Make sure that all bin crews are aware of why it is important to store bins as safely as possible.
- Work to encourage residents to be considerate in how they place their bins and the importance of storing their bin safely.

Overhanging shrubbery and branches

We agree to:

- Promote new and accessible ways vulnerable road users to report overgrown shrubbery and branches to their local Neighbourhood Coordinator.
- Act swiftly upon these reports by alerting the residents or taking action as appropriate.
- Improve awareness and encourage residents to be considerate in managing their shrubbery and trees

Warwickshire Waste Partnership

15th June 2016

Behaviour Change – Programme of Work for 2016/17

Recommendations

- (1) That Members acknowledge the behaviour change work programme of Warwickshire County Council for 2016/17 and agree to provide relevant staff/officer support from their authorities.

1.0 Introduction

- 1.1 All partners are signatories to the updated Joint Municipal Waste Management Strategy for Warwickshire.
- 1.2 Warwickshire County Council's behaviour change work programme aims to support many of the key objectives of the Joint Municipal Waste Management Strategy, such as waste reduction, re-use, recycling and composting and thus will be undertaken on behalf of the waste partnership.
- 1.3 A workshop was held involving officers from Warwickshire County Council and the Waste Collection Authorities which produced a long list of projects and initiatives. Further consultation with WRAP¹, prioritisation of these ideas and budget considerations has led to a finalised behaviour change programme of Work.

2.0 Key Areas of Work for 2016/17

- 2.1 Warwickshire County Councils planned behaviour change programme of work to be undertaken in 2016/17, along with planned timescales for each project component is provided in Annex A.

Background Papers

1. None

	Name	Contact Information
Report Author	Kerry Moore	kerrymoore@warwickshire.gov.uk
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Strategic Director	Monica Fogarty	monicafogarty@warwickshire.gov.uk
Portfolio Holder	Jeff Clarke	jeffclarke@warwickshire.gov.uk

¹ Waste Resources Action Programme - <http://www.wrap.org.uk/>

Behaviour Change Projects 2016/17	A	M	J	J	A	S	O	N	D	J	F	M	Support required from District/Borough Council Staff
Residents food waste recycling message testing / survey													None required
LFHW - Promotion of LFHW messages, undertake cascade training. Part of C2025 signatory commitment.													Promotion of LFHW messages where possible eg social media, residents newsletter etc
Roadshows with trailer - town centres and supermarkets													Assist with local knowledge for location of roadshow, provide kerbside service info/leaflet, provide staff member where possible (1 to 2 days per WCA area)
In it to win it campaign - 2.5yr campaign			X										Refuse staff to monitor 5 selected green wheeled bins (per WCA) twice each per month, general promotion of the campaign via social media, resident newsletters, website, posters etc and bin tags/hangers applied to green wheeled bins by refuse staff where possible
Sell compostable caddy liners - libraries, HWRCs, on-line etc													Explore potential support for sale of caddy liners via District/Borough one-stop shops/reception areas
Rubbish diet project													Promotion of campaign via social media, resident newsletters, website, posters etc
Production of printed kitchen rolls as freebies with logos/messages supporting food waste recycling and supporting 'In it to win' initiative													Potential involvement with message selection
Schools programme - Waste education for schools													Promotion of scheme to schools where possible, provision of recycling collection where possible
Home composting - Workshops													Publicity of relevant workshops
Home composting - MCs													Signposting of initiative where relevant
E-Newsletters													Promotion to encourage sign-ups
Social media													Follow Recycle4Warks and ComposingCorner and retweets where appropriate
HWRC signs, info boards and comment cards													None required
Garage Sales - link to national event						X							Promotion of initiative
HWRC canvassing/meet and greet													Provision of stock of caddies for providing to identified non-users
Link to the WRAP materials campaigns and Pledge 4 Plastic													None required
Comprehensive food waste guide													Distribute new leaflet where possible
Ramp up on-line reuse													Signpost to WCC web page from District/Borough website
Estate/letting agents - new tenant pack													tbc but likely to be minimal
Home composting process video													None required
Events for WCC and D&B staff													Assist with provision of training room and advertising events to staff
Material Campaign - Food waste													Advertise communications media where possible eg posters, social media etc
Household recycling champion of year x 5 WCAs													Cascade messages and assist with judging within respective area and assist with prize presentation
Xmas campaign													Social media
Week of thrift												X	Highlight the initiative where possible eg social media
Waste composition analysis													Tbc but likely to be minimal
Annual waste conference												X	Tbc but likely to be minimal
Real nappies trial													Promotion of scheme where possible eg social media, posters etc
Junkmail													Promotion of initiative where possible eg social media, posters etc

Warwickshire Waste Partnership

15th June 2016

Waste Data Overview for Q3, Q4 and End of Year Provisional Data 2015/16

Recommendations

- (1) The Waste Partnership is asked to note the provisional data for the 3rd and 4th quarter and estimated provisional data for the whole year 2015/16.

1.0 Key Issues

- 1.1 Members of the Warwickshire Waste Partnership are presented with an estimate of waste and recycling figures at Disposal and Collection Authority level.

2.0 Data Overview

- 2.1 This report contains a mixture of data taken from Waste Data Flow and from Warwickshire County Council in-house records and at the publication of this report are considered **provisional estimates**
- 2.2 The figures should be treated as provisional as data may be changed until all authorities data is approved by the EA and DEFRA through the Waste Data Flow System.

Provisional Waste Management Data Quarter 3 and 4 (2015/16)

Figures are taken from Warwickshire County Council in-house records and at the publication of this report are considered **provisional estimates**.

1. Total Municipal Waste Arising and Disposal Route (Tonnes)

	Q3 Total	January (Q4)	February (Q4)	March (Q4)	Q4 Total
Total Tonnes	65,276	20,467	19,074	21,883	61,424
Landfilled	8,321	2,599	1,869	2,359	6,827
Inert - Landfilled	0	0	0	0	0
Energy from Waste	22,319	8,616	7,999	7,635	24,250
Other Technology*	0	0	0	0	0
In-vessel Composting*	13,177	2,525	2,362	4,330	9,217
Windrow Composting*	1,095	165	199	392	756
Other Composting*	0	0	0	0	0
Recycling (HWRC)	4,829	1,743	1,813	2,060	5,616
Recycling (WCA)	14,262	4,496	4,454	4,540	13,490
Reuse	1,273	323	378	567	1,268

*Other Technology – Refuse Derived Fuel

*Windrow composting – Outdoor composting of green garden waste from HWRCs, NBBC and NWBC

*In Vessel composting – Indoor controlled composting of garden and food waste from RBC, WDC, SDC

*Other composting – Chipboard and wood

2. Percentage of Waste by Disposal Route

	Q3 Total	January (Q4)	February (Q4)	March (Q4)	Q4 Total
% Recycling	29.2%	30.4%	32.9%	30.2%	31.1%
% Composting	21.9%	13.1%	13.4%	21.6%	16.2%
% Reuse	2.0%	1.6%	2.0%	2.6%	2.1%
Total	53.1%	45.1%	48.3%	54.4%	49.4%
% Landfill	12.7%	12.7%	9.8%	10.8%	11.1%
% Energy from Waste and RDF	34.2%	42.2%	41.9%	34.8%	39.5%

3. Estimated Municipal Waste Performance Q3 (2014/15) compared to Q3 (2015/16)

	Q3 2014/2015	Q3 2015/2016	Change
Recycling/Reuse Rate	20,299	20,364	☺ 65 tonnes up
	31.9%	31.2%	X 0.7% down
Composting Rate	13,324	14,272	☺ 948 tonnes up
	20.9%	21.9%	☺ 1% up
Recycling, Composting and Reuse Rate	33,623	34,636	☺ 1,013 tonnes up
	52.8%	53.1%	☺ 0.3% up
Landfill Rate	8,856	8,321	☺ 535 tonnes down
	13.9%	12.7%	☺ 1.2% down
Energy from Waste	21,228	22,319	☺ 1,091 tonnes up
	33.3%	34.2%	☺ 0.9% up
Total Municipal Waste	63,707	65,276	X 1,569 tonnes up
			X 2.5% up

4. Municipal Waste Data for Q1, Q2 & Q3 (2014/15) compared to Q1, Q2 & Q3 (2015/16)

	Q1, Q2, Q3 2014/15	Q1, Q2, Q3 2015/16	Change
Recycling/Reuse Rate	61,900	61,491	X 409 tonnes down
	29.0%	28.7%	X 0.3% up or down
Composting Rate	61,367	58,950	X 2,417 tonnes down
	28.7%	27.6%	X 1.1% down
Recycling, Composting and Reuse Rate	123,267	120,441	X 2,826 tonnes down
	57.7%	56.3%	X 1.4% down
Landfill Rate	29,417	29,325	☺ 92 tonnes down
	13.8%	13.7%	☺ 0.1% down
Energy from Waste	60,790	64,188	☺ 3,398 tonnes up
	28.5%	30.0%	☺ 1.5% up
Total Municipal Waste	213,474	213,954	X 480 tonnes up
			X 0.2% up

5. Estimated Municipal Waste Performance Q4 (2014/15) compared to Q4 (2015/16)

	Q4 2014/2015	Q4 2015/2016	Change
Recycling/Reuse Rate	19,783 tonnes	20,374 tonnes	☺ 591 tonnes up
	33.5%	33.2%	X 0.3% down
Composting Rate	8,768 tonnes	9,973 tonnes	☺ 1,205 tonnes up
	14.9%	16.2%	☺ 1.3% up
Recycling, Composting and Reuse Rate	28,551 tonnes	30,347 tonnes	☺ 1,796 tonnes up
	48.4%	49.4%	☺ 1.0% tonnes up
Landfill Rate	8,576 tonnes	6,827 tonnes	☺ 1,749 tonnes down
	14.5%	11.1%	☺ 3.4% down
Energy from Waste	21,916 tonnes	24,250 tonnes	☺ 2,334 tonnes up
	37.1%	39.5%	☺ 2.4% up
Total Municipal Waste	59,043 tonnes	61,424 tonnes	X 2,381 tonnes up
			X 4.0% up

6. Municipal Waste Yearly figures for 2014/15 compared to 2015/16

	2014/15 Year	2015/16 Year	Change
Recycling/Reuse Rate	81,683 tonnes	81,865 tonnes	☺ 182 tonnes up
	30.0%	29.7%	X 0.3% down
Composting Rate	70,135 tonnes	68,923 tonnes	X 1,212 tonnes down
	25.7%	25.1%	X 0.6% down
Recycling, Composting and Reuse Rate	151,818 tonnes	150,788 tonnes	X 1,030 tonnes down
	55.7%	54.8%	X 0.9% down
Landfill Rate	37,993 tonnes	36,152 tonnes	☺ 1,841 tonnes down
	14.0%	13.1%	☺ 0.9% down
Energy from Waste	82,706 tonnes	88,438 tonnes	☺ 5,732 tonnes up
	30.3%	32.1%	☺ 1.8% up
Total Municipal Waste	272,557 tonnes	275,378 tonnes	X 2,821 tonnes up
			X 1.0% up

NB. District recycling rates are taken from claimed recycling credits. Last year's figures are taken from Waste Data Flow. All other figures are taken from Warwickshire County Council in-house records and at the publication of this report are considered **provisional estimates**.

7. District Provisional Performance – Household waste 2014/15 compared to 2015/16

Note: Figures are estimated from the Waste Management System and not Waste Data Flow therefore WCA reporting differences will exist.

	North Warwickshire		Nuneaton and Bedworth		Rugby		Stratford		Warwick	
	Year 2014/15	Year 2015/16	Year 2014/15	Year 2015/16	Year 2014/15	Year 2015/16	Year 2014/15	Year 2015/16	Year 2014/15	Year 2015/16
Recycling Rate	5,555 tonnes 21%	5,129 tonnes 19%	10,216 tonnes 21%	9,864 tonnes 20%	9,189 tonnes 21%	9,898 tonnes 23%	14,114 tonnes 26%	15,234 tonnes 28%	12,428 tonnes 25%	12,238 tonnes 24%
Composting Rate	7,631 tonnes 28%	7,307 tonnes 28%	11,548 tonnes 24%	11,302 tonnes 23%	10,886 tonnes 25%	10,908 tonnes 26%	18,841 tonnes 34%	18,411 tonnes 34%	14,871 tonnes 30%	14,657 tonnes 29%
Recycling, Composting and Reuse Rate	13,186 tonnes 49%	12,436 tonnes 47%	21,764 tonnes 45%	21,166 tonnes 43%	20,075 tonnes 46%	20,806 tonnes 49%	32,955 tonnes 60%	33,645 tonnes 62%	27,299 tonnes 55%	26,895 tonnes 53%
Residual	13,908 tonnes 51%	13,984 tonnes 53%	26,675 tonnes 55%	27,533 tonnes 57%	23,594 tonnes 54%	21,486 tonnes 51%	21,724 tonnes 40%	20,631 tonnes 38%	22,525 tonnes 45%	24,011 tonnes 47%
Total	27,094 tonnes	26,420 tonnes	48,439 tonnes	48,699 tonnes	43,669 tonnes	42,292 tonnes	54,679 tonnes	54,276 tonnes	49,824 tonnes	50,906 tonnes

8. Estimated Household Performance 2014/15 compared with 2015/16

	2014/15 Year	2015/16 Year	Change
Recycling/Reuse Rate	72,088	73,812	☺ 1,724 tonnes up
	27.7%	28.5%	☺ 0.8% up
Composting Rate	69,173	68,435	X 738 tonnes down
	26.5%	26.4%	X 0.1% down
Recycling, Composting and Reuse Rate	141,261	142,247	☺ 986tonnes up
	54.2%	54.9%	☺ 0.7% up
Landfill Rate	36,961	33,422	☺ 3,539 tonnes down
	14.2%	12.9%	☺ 1.3% down
Energy from Waste	82,354	83,490	☺ 1,136 tonnes up
	31.6%	32.2%	☺ 0.6% up
Total Household Waste	260,576	259,159	☺ 1,417tonnes down
			☺ 0.5% down

9. HWRC Performance Year 2015-16

	Burton Farm HWRC	Cherry Orchard HWRC	Hunters Lane HWRC & Transfer	Judkins HWRC	Lower House Farm	Princes Drive HWRC & Transfer	Shipston HWRC	Stockton HWRC	Wellesbourne HWRC	Total
Apr	71.9	73.8	67.9	67.3	73.6	63.8	73.3	73.4	89.9	70.42
May	70.0	73.4	64.9	68.9	66.7	68.6	75.7	55.4	73.0	68.39
Jun	74.6	76.5	71.6	69.8	73.4	66.1	75.1	67.9	70.4	70.48
Jul	72.6	74.7	70.0	51.5	68.3	62.0	80.0	58.2	72.4	64.87
Aug	71.0	72.4	69.0	47.5	76.6	64.8	76.2	65.8	63.9	65.84
Sept	68.4	79.1	70.9	33.6	76.0	67.6	75.8	70.3	70.7	63.81
Oct	70.7	72.2	72.2	42.4	74.2	58.0	84.3	70.5	74.3	63.49
Nov	67.9	71.5	67.7	52.5	70.6	58.0	72.3	58.7	65.4	62.93
Dec	78.6	83.3	70.7	57.9	68.8	58.2	85.7	88.4	48.5	66.84
Jan	66.2	66.1	62.6	50.2	69.1	57.5	69.5	59.0	64.3	60.44
Feb	66.5	72.7	72.4	61.2	62.7	56.8	75.9	52.9	60.2	63.43
Mar	73.3	78.0	68.3	59.0	69.2	61.9	74.9	73.6	74.5	67.07
Overall	70.97	74.47	69.01	55.15	70.77	61.94	76.57	66.17	68.96	65.67

Warwickshire Waste Partnership

15th June 2016

Waste Partners Report

Recommendations

- (1) The Waste Partnership is asked to acknowledge the work being undertaken in each partner authority.

1.0 Introduction

- 1.1 This report provides an update on the various waste initiatives taking place in each authority area.
- 1.2 Authorities work together on communications initiatives where there is an associated benefit.

2.0 North Warwickshire Borough Council

- 2.1 Verbal update to be provided at the meeting.

3.0 Nuneaton & Bedworth Borough Council

- 3.1 Amended bulky waste charges to include single item collections and are in the process of monitoring its service delivery impact.
- 3.2 NBBC is looking to introduce wheeled bin delivery charges of £5.00 for all waste receptacles.
- 3.3 Monitoring new developments to ascertain potential future capital investment for increased waste collection services.
- 3.4 Refuse collection vehicles to be fitted with asset management units, with tracker ability, to obtain collection data on drivers, vehicles etc.
- 3.5 Liaising with NBBC planning to try to get a supplementary document in order to enable us to work with developers for the supply of wheeled bins for waste and recycling provision at new developments.
- 3.6 Flats audit has been completed and all properties assessed for suitability of scheme. One trial has been completed and the outcome was quite positive in

terms of usage and contamination levels but usage dropped off as the weeks went on which suggests a need for constant communication/incentivisation - which may need to be looked in to. We are planning a second trial in a council owned complex and are now working toward getting funding to source bins and start implementing the scheme.

- 3.7 Continuing the use of non-collection notices at kerbside for household recycling bins.
- 3.8 Communication plans for the following areas are complete and are starting to be implemented:
- H/H Recycling (recycle right),
 - Christmas collection changes,
 - Enviro Enforcement (tip off & stop the drop),
 - Compostable recycling (grey to green) and the Flats recycling

The plans include a variety of communication methods for each area.

- 3.9 Signing up to as many summer events to carry out roadshows as possible. Will be doing these for both recycling and enviro enforcement this year.

4.0 Rugby Borough Council

- 4.1 The recycling campaign aimed at reducing contamination has been delivered to thirteen areas within the borough. The campaign provides education so residents better understand what items can be placed in the blue-lidded bin. As a last resort and after providing warnings to residents, if a bin is found to contain incorrect materials on two or more occasions then the bin is removed. In the first area of focus a reduction in contamination of around 80% was observed. A general improvement in the other areas has also been apparent. Recycling bins that are removed for persistent contamination are returned if residents sign an agreement to recycle correctly in future. Returned bins are subsequently monitored periodically.
- 4.2 A series of presentations on recycling and litter continue to be delivered across all year groups in local schools.
- 4.3 Kitchen caddies have been delivered to all households within the borough that did not previously receive one. Information packs were provided alongside the kitchen caddy informing residents of other services including how paint can be disposed of, information on our three bin recycling service and information on Warwickshire's Household Waste Recycling Centres.
- 4.4 In cab / in depot technology is being considered, together with route optimising software.
- 4.5 Charging developers for bins has been implemented successfully with an initial order of 131 sets of bins

5.0 Warwick District Council

- 5.1 From 6th June 2015, WDC will be introducing charges for waste containers. Wheeled bins will be £25, recycling boxes will be £5, recycling box lids will be £1.50 and recycling bags will be £2.50. There will be a delivery charge of £5 on top of this. There will be no charge for food caddies as these were funded by WCC, however the delivery charge will apply. There are no concessions.
- 5.2 The charges will apply to all new, additional, lost, stolen, old, dirty or damaged containers. Containers that are damaged during collection or fall into the back of the collection vehicle will be replaced free of charge.

6.0 Stratford District Council

- 6.1 The 360 degree cameras fitted to the refuse fleet are proving invaluable in dealing with bins not on boundary and vehicle driving dangerously around vehicles. The in-cab technology is helping to improve efficiency of collection service and enhance communication processes.
- 6.2 A Waste Action Plan for 2016/17 has been produced with an associated promotions plan. The results of the waste composition analysis will influence some of the promotions.
- 6.3 New residents continue to receive information packs alongside their wheeled bins. The pack includes a guide to the three bin system plus the new food waste and junk mail leaflets.
- 6.4 The kerbside collection of textiles, small items of WEEE and batteries continue to prove popular.
- 6.5 We are planning to carry out some litter picking of some dual carriageway sections of highways under the access arrangement with Kier and Highways England.

7.0 Warwickshire County Council

- 7.1 Communication activities update:
- i. Now with nearly 5,000 subscribers, the latest 'Recycle for Warwickshire' e-newsletter was broadcast in March and can be accessed here:
<http://app.mailerlite.co.uk/q2j9z8>

The e-newsletter was recently held up as best practice by LARAC (Local Authority Recycling):
<http://www.larac.org.uk/content/recycle-warwickshire-e-newsletter-please-take-look#.VzCse9lrLre>

- ii. The second annual Food Waste Challenge and prize draw attracted 5,329 entries, and a range of prizes were donated by DHL Enviosolutions plus a number of Warwickshire businesses. Presentation of prizes and post publicity took place in late April / early May.
- iii. CC officers are looking at bulk buying compostable kitchen caddy liners for resale at local outlets and online. The liners will be provided at near cost price.
- iv. The Recycle for Warwickshire Facebook page likes continue to grow and now stands at 396 likes. The two twitter pages, Compost Corner and Recycle 4 Warks also continue to expand.
- v. WCC are working with the Northamptonshire Waste Partnership with a view to expanding Northamptonshire's Feed Your Caddy rewards programme into Warwickshire. Residents who register online and pledge to recycle food waste will be entered into a monthly draw for prize vouchers which can be spent at local retailers and visitor attractions. The existing scheme is at www.feedyourcaddy.co.uk/

7.2 Procurement activities update:

- i. The plasterboard quote was awarded to Reconomy Ltd and commenced in April 2016. The contract is for 6 months with the option to extend for a further 6 months.
- ii. The wood reprocessing tender awarded to Jack Moody Recycling Ltd commenced in April 2016. The contract is for 2 years with the option to extend for a further 2 years.
- i. The clinical waste tender was awarded to SRCL Ltd and commenced in April 2016. The contract is for 3 years with the option to extend for a further 2 years.
- ii. The tyre disposal tender was awarded to Midfit Tyres Ltd and commenced in April 2016. The contract is for 2 years.
- iii. The leachate removal and disposal tender was awarded to William Gilder Ltd and commenced in April 2016. The contract is for 1 year with the option to extend for a further 2 years.
- iv. A tender for the reprocessing of inert waste took place in April/May. The evaluation is taking place.
- v. There were no bids submitted for the Mattress Recycling tender, and this is being re-tendered on a longer term following soft market testing. More potential processors are in a position to bid which was not the case last year.
- vi. Future tenders planned for this year include; WEEE, paint, carpet, metal, green waste and analysis of gas, leachate and surface waters.

7.3 Other Activities

- i. Awards: WCC Waste management has picked up more awards for its partnership with Age UK Warwickshire to operate recycling centre re-use shops and 2 whole HWRCs:
 - o 2015 Public Sector Sustainability Awards (Most Sustainable Public Sector Project) – winner of 'Best Procurement Project', Runner Up in 'Best Waste/Recycling Project' category and Highly Commended in 'Innovation' category.
 - o Highly commended in the Governments, Cities & Regions category at The Circulars 2016 (the world's premier circular economy award programme). Judges were extremely impressed by 'the positive impact the initiative is having across Warwickshire and the UK as a whole, with Warwickshire clearly demonstrating that it is on track to achieve scalable circular value'.
 - o Institute for Continuous Improvement in Public Services (ICiPS) Annual CI Awards 2016 - Runner Up in the category collaborating across organisational boundaries to deliver improvements.
 - o Improvement and Efficiency Awards 2016 – Gold Winner in the Category Transformation in Waste & Environment.
 - o Excellence in Public Procurement Awards 2016/17 – Finalist in the categories: Small Business / Third Sector Engagement Initiative of the Year, Best Service and Procurement Innovation or Initiative of the Year.
 - o Finalist in the National CSR Awards 2016 in the category Reduce, Reuse, Recycle (ceremony 12 May).
 - o Finalist in the MJ Achievement Awards 2016 in the categories Innovation in Finance and Reinventing Public Services (ceremony 16 June).

WCC Waste Management is also finalist in the National Recycling Awards 2016 in the categories Team of the Year and the Best Food Waste. The latter is for the Grey to Green Campaign (ceremony 6 July).

- ii. WCC Waste Management representatives presented papers at the Remunicipalisation Conference – see <http://goo.gl/k3ZG3m> and The Future of Waste Management Conference and Exhibition – see www.salford.ac.uk/onecpd/courses/the-future-of-waste-management-conference-and-exhibition-london

Background Papers

1. None

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Warwickshire Waste Partnership

15th June 2016

Waste Composition Analysis

Recommendations

- (1) The Waste Partnership is asked to note the overview of the recent kerbside and HWRC waste composition analysis.

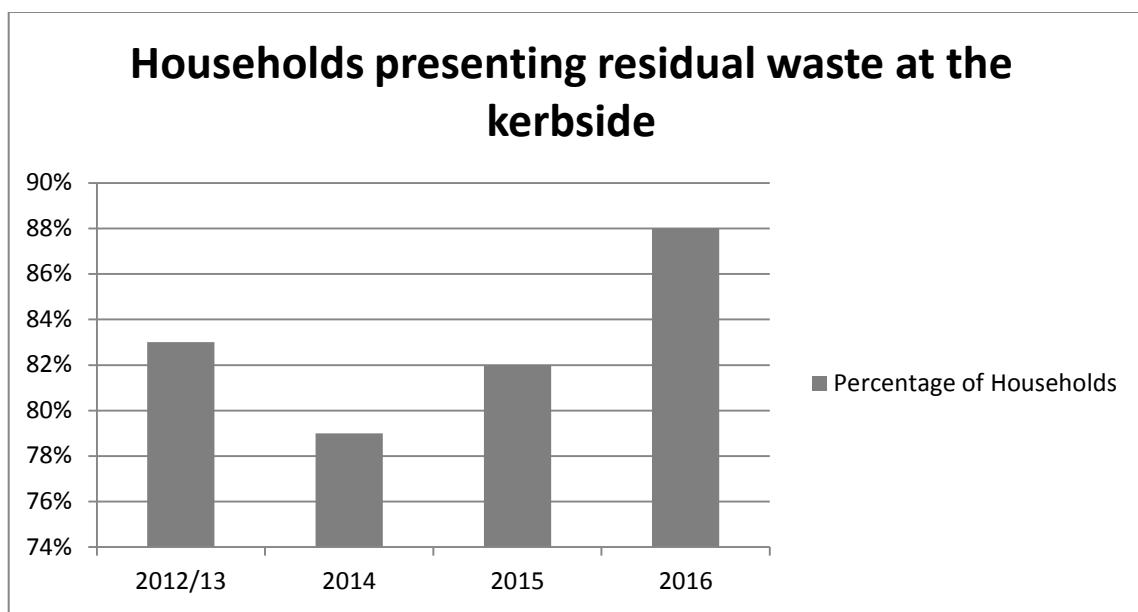
1.0 Background

- 1.1 Warwickshire County Council commissioned a waste composition analysis to take place during a three week period in February/March 2016 (spring 2016) on behalf of the Partnership.
- 1.2 The analysis replicated the waste composition surveys previously undertaken in order to provide comparable results.
- 1.3 The same households were surveyed during each waste analysis where possible. The households were selected using Mosaic demographic profiles; so that results from each survey could be weighted to provide an annual picture of the residual waste being collected within individual Waste Collection Authority's (WCAs), as well as across the County.
- 1.4 The latest survey, focused on the weight and composition of
- kerbside residual waste containers
 - kerbside organic/green recycling containers
 - HWRC residual waste containers
- 1.5 The data was split into primary categories and sub categories which are shown in Appendix 1.
- 1.6 The key aim of the waste composition analysis is to understand the waste composition in Warwickshire and to provide information which could be used by the Partnership when planning future services and campaigns etc.

2.0 Residual Kerbside Analysis

- 2.1 Where recorded, an average of 88% of households presented residual waste bins at the kerbside for collection in 2016. Graph 1 shows the percentage of households presenting their residual waste at the kerbside for each year of the waste composition.

Graph 1 Percentage of household presenting residual waste at the kerbside



- 2.2 In terms of kerbside residual waste generation, the waste composition data showed that households were setting out an average of 7.61 KG/HH/WK for direct collection in 2016, this is an increase on the average KG/HH/WK estimated in the previous survey.

When looking at KG/HH/WK of kerbside residual waste in Warwickshire it is best to use actual tonnage data, since the composition data is only a snapshot of a particular month/sample of households.

The data in table 1 below shows the estimated average of kerbside residual waste data (KG/HH/WK) for each year using the waste composition results, alongside the actual kerbside residual waste tonnages (KG/HH/WK) worked out using WCC tonnage data. When looking at the actual KG/HH/WK it shows an increase in kerbside residual waste of only 0.86% since 2012/13.

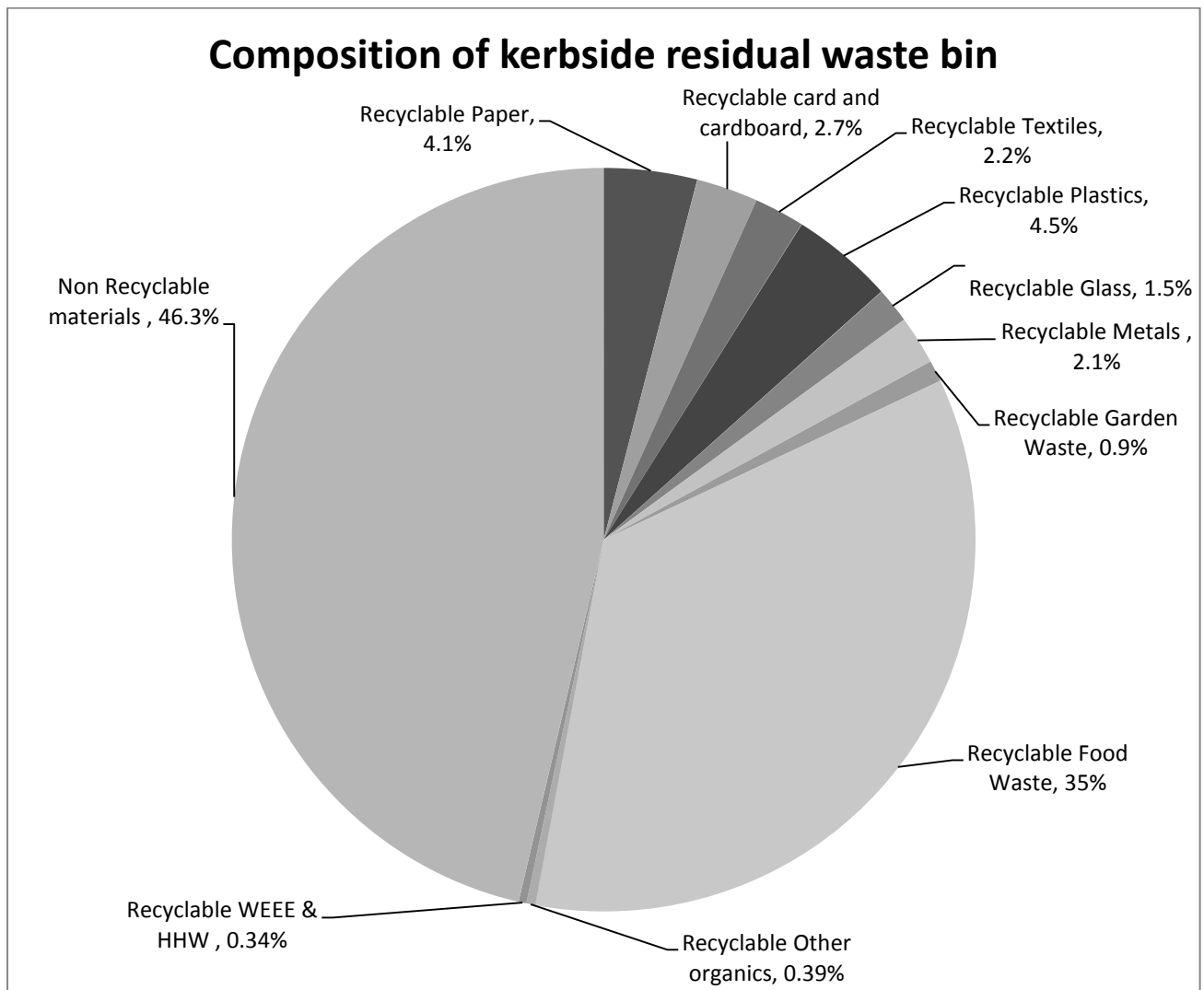
Table 1 Kerbside residual waste data (KG/HH/WK)

	2012/13	2013/14	2014/15	2015/16
Waste composition data KG/HH/WK	7.68	7.51	5.94	7.61
Actual data KG/HH/WK	8.07	8.13	8.15	8.14

2.3 Waste composition of the kerbside residual waste bin

Graph 2 below shows the composition of Warwickshire’s kerbside residual waste bin showing the percentage of waste that could be recycled using the current kerbside system. This shows that 53.68% of the residual bin is recyclable while 46.32% is non-recyclable¹. If all of the waste collection authorities collected the full range of materials (currently recycled by at least one authority) this figure would increase to 57.78% that could be recycled.

Graph 2 Composition of the kerbside residual waste bin



2.4 Organics and Food within Residual Waste

The waste composition data shows that food waste continues to be the major recyclable component of the kerbside residual waste in Warwickshire.

¹ This assumes that all households have access to all of the recycling infrastructure and services provided within each waste collection authority area.

Table 2 and Graph 3 show the KG/HH/WK of food waste in the kerbside residual bin for each year of the waste composition. This shows that overall since 2012/13 the total amount has reduced by 7.8% since 2012/13, with a slight rise over the last year in comparison with 2014/15.

Table 2 Recyclable food waste in the kerbside residual bin

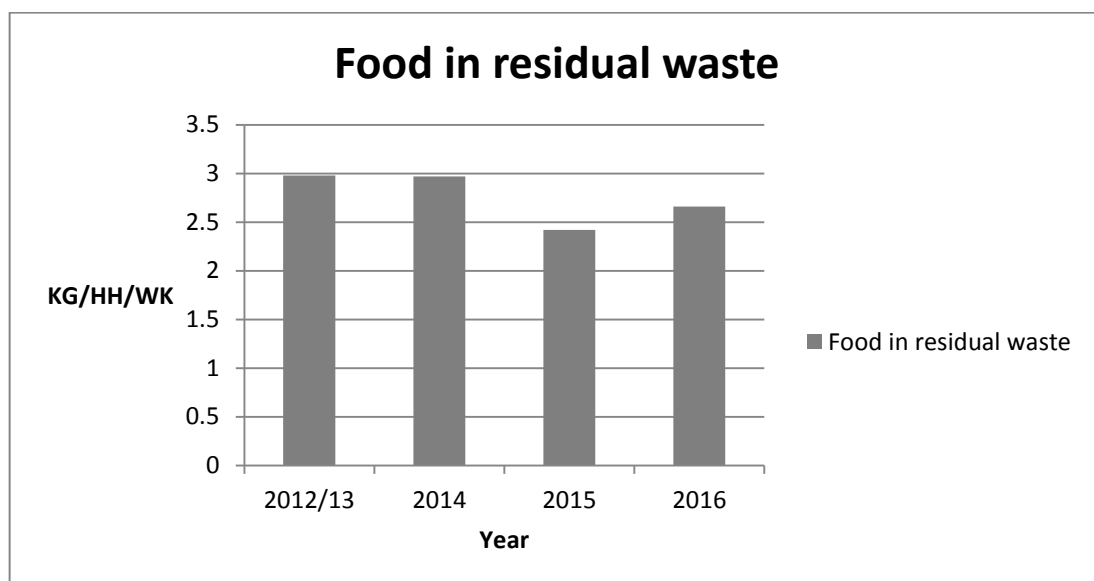
	2012/13	2013/14	2014/15	2015/16
Food waste KG/HH/WK	2.98	2.97	2.42	2.66

The lower volume of food waste KG/HH/WK in 2014/15 mirrors the overall tonnage decreases seen during that year's composition analysis (see Table 1) and thus forms part of the slightly erroneous results seen in 2015 (when compared with actual data).

The reduction in the 2014/15 year could also be partly due to the hugely successful on-line food waste competition which was carried out by the Partnership the month the waste composition took place, the competition had over 11,000 unique householder entries and 4,143 free packs of compostable caddy liners were posted out to Warwickshire residents. The competition was advertised in a number of ways including radio, but the most successful way was bin hangers/tags which were used in all but one waste collection authority area.

A second food waste competition was carried out this year during the month of March, this time the competition was not quite as popular (although there were still 5,329 entries).

Graph 3 KG/HH/WK of food waste in the kerbside residual waste bin



Up to 47% of the food waste in the residual waste is potentially home compostable in 2016. This equates to 16.4% of the total residual waste in 2016.

11.7% of all food waste in residual bins was still packaged in 2016; this is significantly higher than the previous year (when it was just 6.5%). The reason for this increase could be due to the fact that more non-packaged food is being correctly diverted to the organic bin, leaving a higher percentage of packaged food behind in the residual bin. Warwickshire County Council is carrying out market testing on potential campaigns, which could assist residents to shop smarter and reduce food waste.

1% of residual waste was found to be garden waste in 2016.

2.5 Paper

44% or 0.31 KG/HH/WK of all the paper in the kerbside residual bin was recyclable at the kerbside in 2016. This equates to 4.1% of the total residual waste in 2016.

Table 3 Recyclable paper in the kerbside residual bin

	2012/13	2013/14	2014/15	2015/16
Recyclable paper KG/HH/WK	0.39	0.33	0.23	0.31

2.6 Card / Cardboard

72.1% or 0.20 KG/HH/WK of the card/cardboard in the kerbside residual bin was recyclable at the kerbside. This equates to 2.7% of the total residual waste.

Table 4 Recyclable card / cardboard in the kerbside residual bin

	2012/13	2013/14	2014/15	2015/16
Recyclable card KG/HH/WK	0.22	0.22	0.19	0.20

2.7 Plastic

60% or 0.34 KG/HH/WK of plastics in the kerbside residual bin was recyclable at the kerbside. This equates to 4.5% of the residual waste.

Table 5 Plastics in the kerbside residual bin

	2012/13	2013/14	2014/15	2015/16
Recyclable plastic KG/HH/WK	0.33	0.25	0.26	0.34

2.8 Metal

69% or 0.16 KG/HH/WK of metallic waste in the kerbside residual bin was recyclable. This equates to 2.1% of the total residual waste.

There were slightly more recyclable food tins compared to drinks cans in the residual waste, this may be because they tend to require a degree of washing/rinsing before being placed into recycling containers and as such are often less well diverted than cleaner drinks cans.

Table 6 Recyclable metals in the kerbside residual bin

	2012/13	2013/14	2014/15	2015/16
Recyclable metal KG/HH/WK	0.14	0.11	0.11	0.16

2.8 Glass

78% or 0.12 KG/HH/WK of glass in the kerbside was recyclable. This equates to 1.5% of the total residual waste.

In all areas of the County the majority of the recyclable glass found within the residual waste was higher grade clear glass. Around 65% of the clear glass was due to jars as opposed to bottles. In the same way that food tins are often recycled less effectively than drink cans; jars often contain food or sauce and residents may choose not to rinse them for recycling.

Table 7 Recyclable glass in the kerbside residual bin

	2012/13	2013/14	2014/15	2015/16
Recyclable glass KG/HH/WK	0.15	0.13	0.13	0.12

2.9 Textiles

Textiles are able to be recycled at the kerbside within the following waste collection authority areas: NBBC, SDC and WDC.

If we include textiles (e.g. clothing and shoes) that are able to be reused at charity shops and bring banks, as well as those able to be recycled at the kerbside (and assume that textiles are able to be recycled in all five areas), it shows that 56% or 0.28 KG/HH/WK of the textiles within the residual bin could have been reused or recycled. This equates to 3.7% of the total residual waste in 2016 or 2.19% for textiles that can be recycled only.

Table 8 Recyclable textiles in the kerbside residual bin

	2012/13	2013/14	2014/15	2015/16
Reusable & Recyclable textiles KG/HH/WK	0.25	0.34	0.10	0.28

2.10 Hazardous Waste and Waste Electrical and Electronic Equipment (WEEE)

2.7% or 0.20 KG/HH/WK of the residual waste was deemed to be either Hazardous or WEEE in 2016. This equates to 0.34% of the total residual waste.

The hazardous waste included items such as phone batteries, paint, ink cartridges, lightbulbs and batteries.

The WEEE waste included items such as small appliances (toasters, hair dryer etc.), cables and leads, clocks, solar lights, plug in air fresheners, controllers).

Table 9 Recyclable Hazardous and WEEE in the kerbside residual bin

	2012/13	2013/14	2014/15	2015/16
HHW & WEEE KG/HH/WK	Not available	0.01	0.01	0.03

2.11 Disposable nappies and Absorbent Hygiene Products (AHP)

8.27% of the kerbside residual waste bin consisted of disposable nappies (6.65%) and AHP waste (1.62%) in 2016 – equivalent to 0.63 kg/hh/wk.

There were an additional 400 births for Warwickshire families in 2015/16 compared to the previous year and thus would explain the increase seen in nappies.

The increase in AHPs may be due to the work that the districts have been undertaking to remove this type of waste from the clinical waste stream.

Table 10 Disposable nappies and AHP in the kerbside residual bin

	2012/13	2013/14	2014/15	2015/16
Nappies KG/HH/WK	0.56	0.40	0.30	0.51
AHP KG/HH/WK	N/A	0.06	0.09	0.12

2.12 Summary for kerbside residual waste

Overall 53.7% of collected residual waste could have been recycled at the kerbside in 2016 – the equivalent of 4.08 kg/hh/wk.

Table 11 Recyclable kerbside residual waste (KG/HH/WK)

	2012/13	2013/14	2014/15	2015/16
Recyclable kerbside residual waste KG/HH/WK	3.62	4.34	3.48	4.08
Non-recyclable kerbside residual waste KG/HH/WK	4.06	3.17	2.46	3.53
Total residual waste KG/HH/WK	7.68	7.51	5.94	7.61

Table 12 Recyclable kerbside residual waste (%)

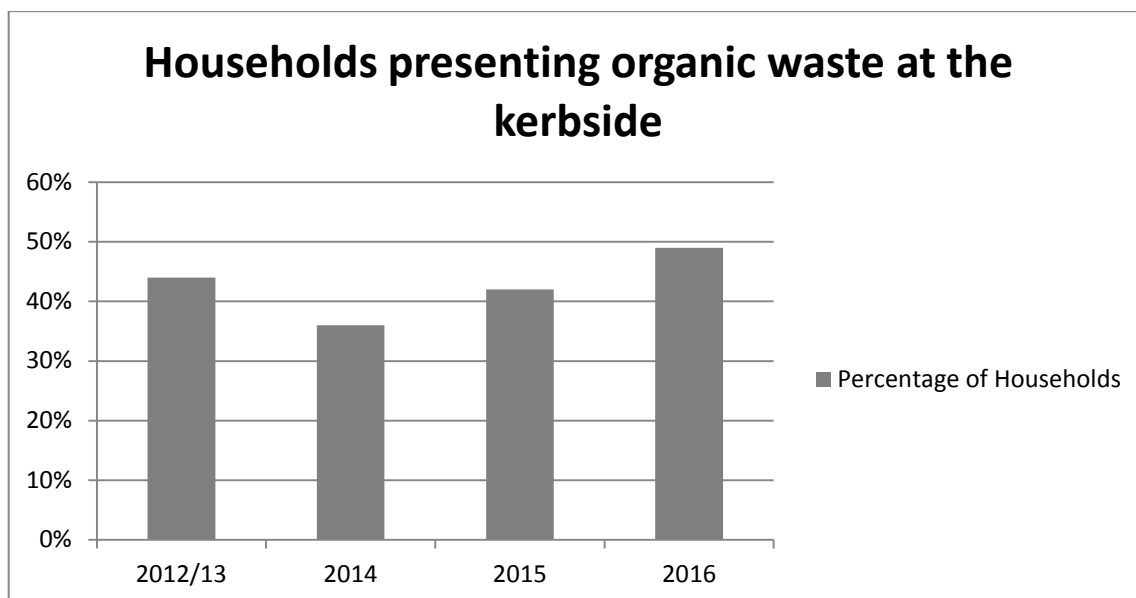
	2012/13	2013/14	2014/15	2015/16
Recyclable kerbside residual waste %	47.10%	57.86%	58.57%	53.68%
Non-recyclable kerbside residual waste %	52.90%	42.14%	41.43%	46.32%

86% of the waste within the residual bin that could have been recycled at the kerbside is made up of four main material types; food waste 65.1%, plastic 8.4%, paper 7.6%, and card/cardboard 5%.

3.0 Organic Kerbside Analysis

3.1 Where recorded, an average of 49% of households presented organic waste bins at the kerbside for collection in 2016. Graph 4 shows the percentage of household presenting their organic waste at the kerbside for each year of the waste composition.

Graph 4 Percentage of household presenting organic waste at the kerbside



3.2 In terms of kerbside organic waste generation only, the waste composition data showed that households were setting out an average of 4.60 KG/HH/WK for direct collection in 2016, this is an increase on the average KG/HH/WK estimated in the previous survey.

When looking at KG/HH/WK of kerbside residual waste in Warwickshire it is best to use actual tonnage data, since the composition data is only a snapshot of a particular month/sample of households.

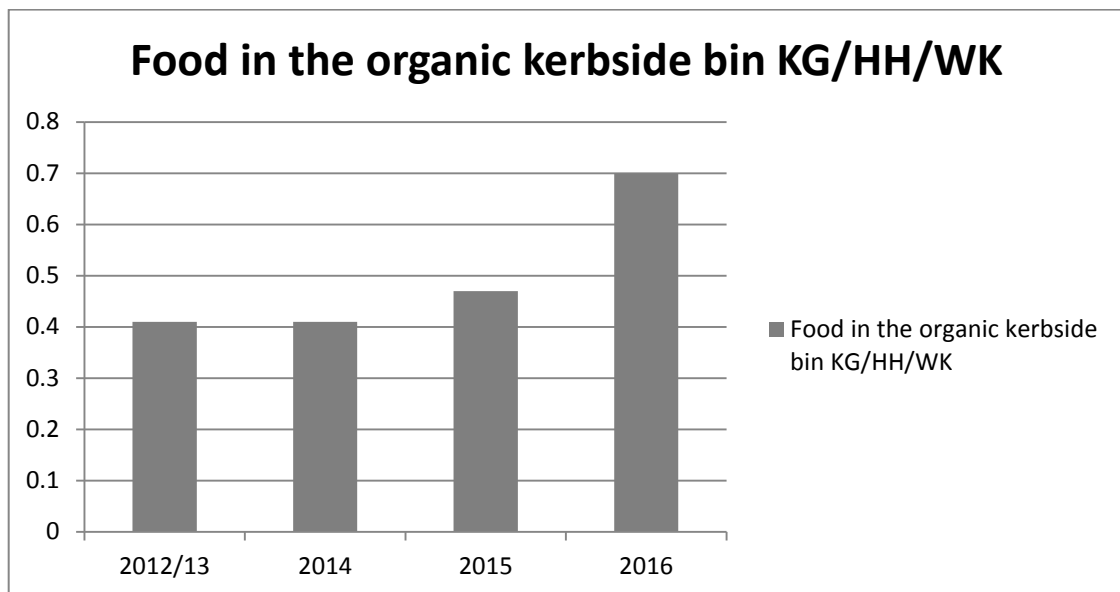
The data in table 11 below shows the estimated average of kerbside organic waste data (KG/HH/WK) for each year of the waste composition, along with the actual kerbside organic waste (KG/HH/WK) worked out using WCC tonnages. When looking at the actual KG/HH/WK it shows an increase in kerbside residual waste of 5.2% since 2012/13.

Table 13 Kerbside organic waste data (KG/HH/WK)

	2012/13	2013/14	2014/15	2015/16
Waste composition data KG/HH/WK	5.65	5.23	2.84	4.60
Actual data KG/HH/WK	4.66	4.70	5.05	4.90

- 3.3 The amount of food waste in the organic bin is 15.15% or 0.70 KG/HH/WK in 2016, this is an increase of 0.23 KG/HH/WK since 2015 or 0.29 KG/HH/WK since 2012/13 (an increase of 70%).

Graph 5 Food in the organic kerbside bin



0.44 KG/HH/WK of the food waste was home compostable in 2016; this is an increase on the amount within the bin in 2015.

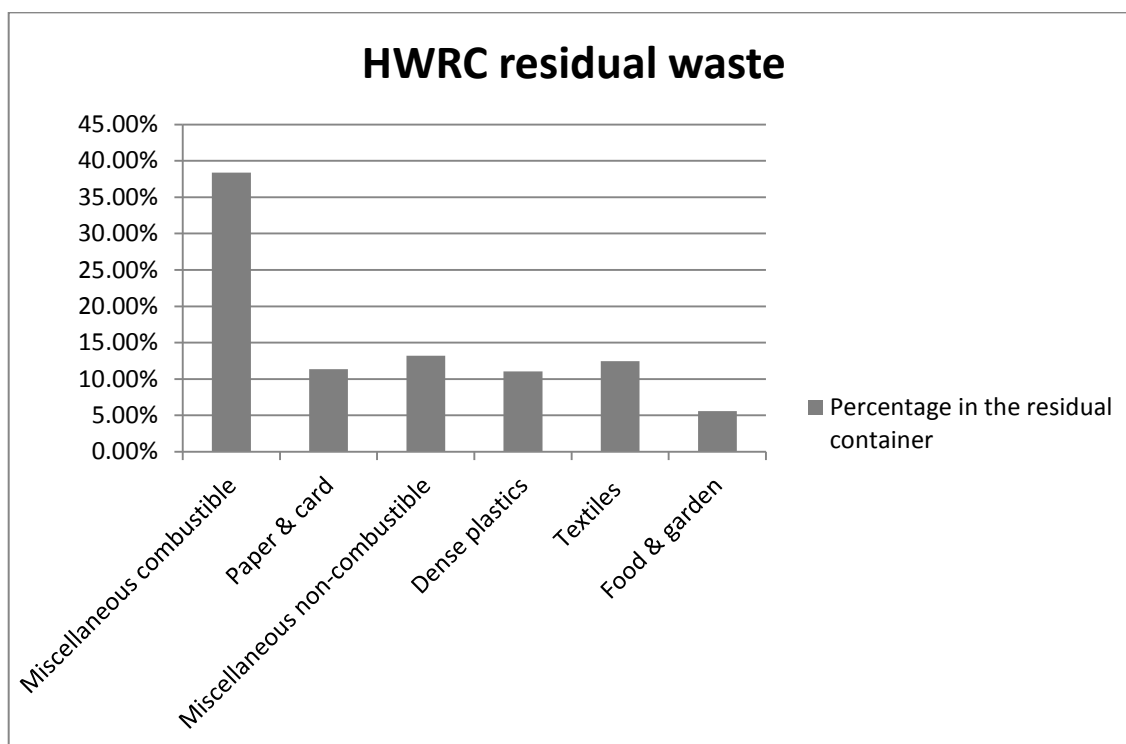
0.21 KG/HH/WK of the food waste was non-home compostable; this is an increase on the amount within the bin in 2015.

- 3.3 Overall 14% of organic recycling waste collected from all properties was classified as contamination in 2016 – the equivalent of 0.65 kg/hh/wk. The majority of organic waste contamination was due to soil and turf; forming 73% of that presented.
- 3.4 21% of food waste and 98% of garden waste was correctly captured (recycled) by households in 2016. The amount of food waste correctly captured has increased every year since the waste composition started.
- 3.5 Warwickshire households diverted an average of 32% of their waste through the organic collections in 2016. Warwickshire households are therefore diverting around 3.96 KG/HH/WK of their total waste through their kerbside organic recycling collections.
- 3.6 If all the organics available to current recycling schemes were captured and recycled then a diversion of 55% could be achieved based on 2016 data.

4.0 HWRC Residual Analysis

- 4.1 Residual waste from the HWRCs was sampled at both weekends and during the week; this was done to give a good overall impression of the residual waste collected at each HWRC.
- 4.2 Black sacks that were thought to be for the disposal of general household waste were removed from the overall pile. The total amount of this bagged material was weighed and the contents sorted separately. The waste was then combined to give an overall composition of residual waste being disposed of at the HWRCs.
- 4.3 Results from the survey showed that a large proportion of residual waste being disposed of at the HWRCs is bagged household waste. This material formed 6.5% of waste collected across the sites at weekends; it was far more prevalent during weekdays where it made up 10.14% of general waste across the sites surveyed. Taking an average of both figures bagged household waste contributes 8.3% towards the total amount of general waste collected.
- 4.4 Compositionally black sacks were seen to be different to that of the rest of the residual waste, around 27.57% of black bag contents consisted of food and garden waste, with 25.08% being paper and card and garden waste and 11.67% being textiles. Waste plastics (not including plastic film) contributed over 9.21% of this bagged residual waste.
- 4.5 The main materials making up HWRC residual waste are:

Graph 6 Main materials making up HWRC residual waste



- 4.6 On average 49% of weekday and 65% of weekend residual waste is potentially recyclable (utilising current HWRC recycling services) – an average of 57.5%.
- 4.7 Considering all of the material (including the contents of household sacks) 57.5% of the general waste is of a recyclable type. Up to 31.1% is compatible with kerbside recycling with 26.4% collectable at the HWRC.
- 4.8 It was generally the case that there was a higher level of material compatible with kerbside recycling disposed of during weekdays whilst more items compatible with HWRC recycling were brought at weekends.

5.0 Next steps

- 5.1 The current waste composition contract comes to an end at the end of the year and WCC has been considering the possible options for future composition surveys, including review of sampling methodology and possible collection of waste by the contractor to improve the accuracy of the data.
- 5.2 It is proposed that future communication campaigns and projects target the recyclable materials that are currently being disposed of in the residual waste at the kerbside and the HWRCs.

Background Papers

- 1. None.

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Appendix 1 – Sort sheet primary and sub-categories

Primary categories	Sub-categories
PAPER	Newspaper & magazines
	Catalogues & Directories
	Other recyclable paper
	Paper tissue
	Shredded paper
	Other non-recyclable paper
CARD	Tetrapak cartons
	Corrugated Cardboard
	Thin high-grade packaging card
	Thin high-grade non-packaging card
	Thin low-grade brown card
	Non-recyclable card & books
PLASTIC FILM	Packaging film
	Carrier Bags
	Refuse Sacks
	All other film
DENSE PLASTIC	Plastic Bottles Types 1,2,3,5,
	Plastic Bottles Types 4,6,7
	Other Bottles
	EPS
	Packaging Containers Types 1,2,3,5,
	Packaging Containers Types 4,6,7
TEXTILES	Other dense plastic
	Reusable clothing
	Pairs of shoes
	Accessories
	Carpet & underlay
	Clean bed linen, curtains, blankets & towels
	All other textiles & odd shoes
MISC COMBUSTIBLES	Composite & laminates INC TREATED WOOD
	DIY based materials
	Untreated Wood
	Disposable nappies
	All incontinence & absorbent hygiene products
MISC NON-COMBUSTIBLES	All other
	Plasterboard
	DIY rubble & ceramics
GLASS	All other inc Pet Litter non-organic
	Green packaging
	Brown packaging
	Clear bottles
	Clear jars
	Other glass
FERROUS METAL	Drinks cans
	Food cans & tins
	Aerosols
	Other ferrous packaging inc jar lids
	Other ferrous
NON-FERROUS METAL	Drinks cans
	Food cans & tins
	Aerosols
	Aluminium foil & trays
	Other non-ferrous
GARDEN WASTE	Flora organics
	Soil & turf
PUTRESCIBLES	All fully packaged & unopened Home Compostable food waste
	All fully packaged & unopened Non-Home Compostable food waste
	All Loose Home Compostable food waste
	All Loose Non-Home Compostable food waste
	All Mixed Unsortable Food waste
	Herbivorous Pet Straw & Sawdust Bedding
	Consumable Liquids
	Fats & Oils
FINES	Particles passing a 10mm screen
HHW	Household Batteries
	Engine Oil
	Other Separately listed
WEEE	Small WEEE
	All other