
WARWICKSHIRE WASTE PARTNERSHIP

COMMITTEE ROOM 2, SHIRE HALL, WARWICK

2:00pm, TUESDAY 6th MARCH 2012

AGENDA

General

1. **Apologies**
2. **Disclosures of personal and prejudicial interests**
3. **Minutes of the previous meeting, including matters arising**
4. **Chair's announcements**

Reports

5. **Update on Warwickshire Partners Current and Forthcoming Waste Initiatives**
6. **Household Waste Recycling Centre Direct Service Project**
7. **Quarterly Waste and Recycling Data Update**

Other

8. **Agenda item suggestions for next meeting**
9. **Confirmation of future meeting dates**
 - 26 June 2012
 - 18 September 2012
 - 4 December 2012
10. **Any urgent items**

JIM GRAHAM
Secretary of the Partnership
Shire Hall
Warwick

Membership of the Warwickshire Waste Partnership

North Warwickshire Borough Council

Councillor Hayden Phillips

Nuneaton and Bedworth Borough Council

Councillor Bill Sheppard

Rugby Borough Council

Councillor Dr. Mark Williams

Stratford-on-Avon District Council

Councillor Mike Brain

Warwick District Council

Councillor Dave Shilton (Vice Chair)

Warwickshire County Council

Councillors Jeff Clarke, Alan Cockburn (Chair), Michael Doody, Ray Sweet and John Whitehouse

Enquiries

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WARWICKSHIRE WASTE PARTNERSHIP

Minutes of the meeting held at 2pm on 6 December 2011, Shire Hall, Warwick

Present:

Members

Councillor Mike Brain
Councillor Alan Cockburn (Chair)
Councillor Michael Doody
Councillor Hayden Phillips
Councillor Bill Sheppard
Councillor Dave Shilton (Vice Chair)
Councillor Ray Sweet
Councillor John Whitehouse
Councillor Dr. Mark Williams

Officers

Becky Davies
Olivia Davies
Brent Davis
Caroline Faulkner
Glenn Fleet
Sean Lawson
Ian Marriot
Richard Maybey
Ruth Payne
Tony Perks
Olly Scholefield
Andy Smith
Louise Wall
David Whitehouse

1. Apologies

Apologies for absence were received for Councillor Jeff Clarke.

2. Disclosures of personal and prejudicial interests

Councillor John Whitehouse declared a personal interest as a financial contributor to Friends of the Earth.

3. Minutes of the meeting held on 27 September 2011

(a) Minutes

The minutes were approved and signed by the Chair.

(b) Matters arising

Municipal waste data

Glenn Fleet stated that the analysis of municipal waste per head data would begin in the new year, and apologised for the delay in moving this forward.

Sharing best practice

Councillor Dave Shilton confirmed the willingness of Warwick District Council to assist North Warwickshire Borough Council's Task & Finish Group in identifying best recycling practices.

Dates of meetings

Councillor John Whitehouse asked if consideration had been given to moving meeting dates to allow members more time to review the quarterly waste data reports. Glenn Fleet explained that today's agenda did not include a quarterly report as the responsible officer had been promoted. A new statistics officer will be in post shortly and the date of future meetings will be looked at.

Incentives to recycle

Tony Perks stated that Stratford District Council is successfully reducing its overall waste volumes (both residual and recyclable), but this was having a negative financial impact on the recycling credits it receives from the County Council. Given

that reduced waste volumes provide financial benefit to the County in lower landfill tax liabilities, Tony asked if the County had any financial mechanism to incentivise the collection authorities to continue reducing overall waste volumes. Glenn Fleet responded that the Council was unable to subsidise the collection authorities for reduced waste volumes and that it was in the interests of all partner authorities to reduce waste volumes.

4. Chair's Announcements

None

5. Update on Warwickshire Partners' Current and Forthcoming Waste Initiatives

Each partner authority provided an update on the waste initiatives in their region.

North Warwickshire Borough Council

- (i) Recycling volumes continue to increase, and the recycling rate should reach 33% by year end
- (ii) A Task & Finish Group has been established to look at options for increasing recycling performance
- (iii) Route optimisation work is underway, including route models that incorporate Lower House Farm
- (iv) The recycling officer is working closely with schools and community groups to promote recycling

Nuneaton & Bedworth Borough Council

- (i) The alternate collection scheme began on 25 October and is currently yielding 210 tonnes of recycling per week
- (ii) The dry recycling rate is around 30%, which rises to 45% with the inclusion of green waste
- (iii) The success of the scheme has led to the number of residual waste collection rounds being reduced by two
- (iv) The next step is to roll the scheme out to blocks of flats, which will lift the rate up towards 50%
- (v) The roll-out has been very successful and well-received, thanks both to the preliminary work done by officers (such as roadshows, communication campaigns and telephone helplines) and the support and advice from colleagues in Rugby
- (vi) The only problem was an under-estimation of the number of bins needed, caused by the misclassification of maisonettes as flats by the GIS mapping. However, this was remedied prior to roll-out
- (vii) Residents and elected members would now like a food waste scheme to be introduced to complement the alternative collections. Glenn Fleet explained that a biowaste contract was recently tendered, but the bids received were double the cost of the current In-Vessel Composting contract used by Rugby, Stratford and Warwick. Officers are investigating the reasons for this and will undertake more soft-market testing. The intention is for a scheme to be in operation by November 2012 to service both Nuneaton & Bedworth and North Warwickshire

Rugby Borough Council

- (i) Education work in schools is continuing

- (ii) Stickers have been put on green bins to encourage residents to include their food waste
- (iii) The bin-exchange scheme will be promoted after the Christmas period, encouraging residents to switch to a slimmer residual bin
- (iv) Improved locks have been fitted to WEEE banks to prevent their contents being stolen

Warwick District Council

- (i) Results from the Warwick Gates project have not been as good as expected, so more work is needed to educate residents about recycling
- (ii) A trial roll of compostable food waste bags, including usage information, has been delivered to all households with a green bin
- (iii) The Guide Dogs project is successfully raising awareness of textile recycling. The adopted puppy "Warwick" is settling well in his new home, and will be participating in more public promotions as it gets older
- (iv) Cllr Shilton stated that a combined effort was needed by all partner authorities to tackle the problem of rogue textile collections

Stratford District Council

- (i) Information has been published on the District Council website to inform residents about what happens to their recycling after collection, including a video of the Ettington MRF facility
- (ii) Arrangements are in place between the District, County Council and Biffa to redeploy workforce resources in order to tackle adverse weather conditions
- (iii) Progress has been made to reduce the contamination of recycling by plastic bags and other non-recyclable materials. Last month, the contamination rate was very low at 0.04%, but work needs to continue

Warwickshire County Council

- (i) The Lower House Farm design-and-build work should commence in January 2012 and be complete by late 2012. Initial discussions with the contractor have been positive, and this looks to be a good-value deal for the County
- (ii) Six Household Waste Recycling Centres (HWRC) have come in-house successfully. All staff who wanted to transfer have done so. The revised opening hours should come into effect by mid-January 2012
- (iii) Development of the new HWRC in Nuneaton & Bedworth should be complete within 2 years
- (iv) Portable modular buildings are being put in place at all sites that don't have a permanent re-use shop. The arrangement with the third sector to run these re-use shops is mutually beneficial and working well

6. Proposed New Waste Management Targets to Support Warwickshire's Municipal Waste Management Strategy

Glenn Fleet introduced the report, stating that members of both the Waste Partnership and the County Council's Communities Overview & Scrutiny Committee had asked for Warwickshire's waste targets to be stretched to reflect good recent performance.

- 6.1 The proposed recycling targets (higher is better) have been set against the context of new schemes in Nuneaton & Bedworth and North Warwickshire and the new

contract for recycling street sweepings, which will increase overall recycling volumes.

- 6.2 The proposed landfill targets (smaller is better) show a steady fall until 2013/14, at which point there is a large expected decrease. This reflects the ambition to begin diversion of waste from landfill to the new W2R facility at Four Ashes.
- 6.3 Councillor Dave Shilton asked for confirmation of the expected landfill tax increases and the economic benefit of diverting waste to W2R. Glenn Fleet stated that landfill tax would rise by £8 per tonne each year for the next 3 years (from £56 to £80). The contract arrangement with W2R will provide great value for money, especially as the haulage contract has also been agreed.
- 6.4 Councillor John Whitehouse suggested that a reduction target should be included for all waste, not just residual waste. He also stated that it is difficult to judge the stretched targets without the current half-year data. Glenn Fleet stated that the half-year figures could be circulated to members in early January 2012.

Resolved: the Waste Partnership noted the achievements made over the past few years and approved the new stretched targets up to 2013/14

7. Recycling of Street Sweepings and Gully Emptyings – presentation

David Whitehouse outlined the new contract for the recycling of street sweepings and gully emptyings, which will begin on 3 January 2012.

- 7.1 Warwickshire is the lead authority for the contract, working in partnership with Coventry City Council, Solihull Metropolitan Borough Council and Staffordshire, Herefordshire, Worcestershire and Leicestershire county councils.
- 7.2 A new facility located between Walsall and Wolverhampton will use state-of-the-art technology to process around 30,000 tonnes of waste per year into sand, aggregate, filter cake and organics. The contractor expects to deliver a 90% recycling rate.
- 7.3 Warwickshire and Coventry expect to achieve annual savings of £420,000 as a result of diverting this waste from landfill (at today's disposal costs).
- 7.4 The solution has been recognised as a model of best practice, and the West Midlands Waste Alliance has asked Warwickshire to lead on a re-tendering exercise on behalf of those authorities not included.

8. Love Food Hate Waste – presentation

Caroline Faulkner and Ruth Payne provided an overview of an upcoming Love Food Hate Waste campaign, which is being managed by an advertising agency. Feedback and ideas were invited from members of the Partnership.

- 8.1 Key elements of the campaign will include:
 - (i) Information about minimising food waste and increasing food composting

- (ii) A target to reduce food waste by 681g per household per month, which would divert 1814 tonnes from landfill each year, saving the Council around £129,000 in landfill costs
- (iii) A Waste Not Want Not radio competition to raise awareness of food waste minimisation and the potential annual savings of £680 per household
- (iv) A Love Food Hate Waste Challenge involving two local households from each district/borough, culminating in a live radio quiz
- (v) A Love Food Hate Waste Week, in March 2012, airing a series of pre-recorded features across local radio stations
- (vi) Outdoor billboards, supermarket advertising, bus streetliners and newspaper wraps
- (vii) The one-off cost of the campaign will be £69,501

8.2 Brent Davis suggested that the new Tesco supermarket in Bedworth should be invited to participate in the advertising campaign. Councillor Dave Shilton questioned why only certain supermarket stores were included, and suggested the roll-out should be extended to cover more. Officers agreed to consult with the advertising agency about the cost implications.

8.3 There was general agreement with Councillor John Whitehouse, who suggested that the campaign should emphasise the economic benefit of reducing food waste, as the potential annual saving of £680 will be a powerful message.

9. Agenda item suggestions for next meeting

- Regular update on waste initiatives from each authority
- Update on the operation of in-house HWRCs

10. Confirmation of future meeting dates

- 6 March 2012

11. Any urgent items

- None

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Chair

The meeting closed at 3.25pm

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Warwickshire Waste Partnership

6 March 2012

Update on Warwickshire Partners Current and Forthcoming Waste Initiatives

Recommendation

That the Waste Partnership acknowledges the work being undertaken in each partner authority.

1.0 Introduction

- 1.1 The following 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 Verbal update to be provided at the meeting

4.0 Rugby Borough Council

- 4.1 As a result of the waste compositional analysis in the Borough, which identified the capture of only a minimal amount of food waste in the green bin, a campaign is planned to encourage residents to utilise the green bins more for food waste. Green bins originally purchased for garden-waste-only collections are imprinted with a 'no food waste' instruction, so labels have been sourced as a result of funding from WCC to cover this message. The labels will be delivered out during the spring, and this initiative will be carried out in conjunction with media coverage and a road-show in the town centre.
- 4.2 A kerbside collection of textiles will take place initially in the Bilton area of Rugby with bags being delivered by the Explorer Scouts, who will in return be paid the

profit from collection. Materials will be brought into the Work Services Unit and collected by our merchant, Wilcox textiles.

- 4.3 School visits continue with emphasis on what can be recycled in the bins on-site, as it has become apparent that many schools are still only recycling paper and cardboard.

5.0 Warwick District Council

- 5.1 A roll of compostable food waste bags was delivered to each household on the green bin scheme before Christmas to encourage more participation in the garden/food waste recycling scheme. A comparison has been made between a 3-month period (Nov – Jan) in 2010/11 and 2011/12 that shows an overall increase in organic waste and a reduction in residual waste. We are continuing to monitor this to see whether it can be sustained.
- 5.2 New waste services contract – now at the ITT stage. Tenders are due to be returned in mid April. The contract will be awarded in September. There are options in the contract to include bring site collections, schools' recycling collections and a mixed plastics recycling collection – however, it will depend on the cost as to whether these will be taken up.
- 5.3 The door stepping project at Warwick Gates showed that some of the barriers to recycling were lack of containers or that they prefer to go directly to the HWRC weekly, rather than hold on to recycling for 2 weeks due to lack of space.
- 5.4 Trialling an alternate week, co-mingled recycling collection with 40 complexes of flats. They have been moved to a fortnightly collection for their residual waste and on the alternate week are now receiving a co-mingled recycling collection. The aim of the scheme is to reduce waste and recycle more by providing a more convenient means of recycling. Each flat has been delivered a recycling bag for use inside the flat to collect up the recyclables which are then tipped into the co-mingled bin for collection. The recycling rate for these properties so far is 22% (out of a possible 45%).

6.0 Stratford District Council

- 6.1 Verbal update to be provided at the meeting

7.0 Warwickshire County Council

- 7.1 Work is taking place on the following tenders:
 - (i) WEEE – tenders submitted and currently being evaluated.
 - (ii) New digital waste data system – tenders submitted and currently being evaluated.
 - (iii) Recyclables Framework – soft market testing circulated and contract documents being developed.

- (iv) Long Term Residual Waste – soft market testing has been completed and the results are being considered.
- 7.2 The street sweepings contract went live on 3rd January. The details of the contract were featured on BBC Midlands Today, which is available to watch on You Tube: <http://youtu.be/opKRGkMFh8k>
- 7.2 A short-term contract for green waste in the north of the county has been awarded to WRG. Discussions are taking place with potential tenders for the provision of a biowaste contract.
- 7.3 The Warwickshire Waste Partnership Conference was held on 31st January, the conference was well attended and the presentations sparked some good debates.
- 7.5 A winter food campaign for Love Food Hate Waste was launched in December 2011. It is hoped this will help to reduce residual waste across the county.
- 7.4 The project to bring the six Household Waste Recycling Centres in-house on 1st December 2011 went well.

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Warwickshire Waste Partnership

6 March 2012

Household Waste Recycling Centre Direct Service Project

Recommendation

That the Waste Partnership notes the progress of the project to bring all but one of Warwickshire's Household Waste Recycling Centres (HWRCs) under direct operation.

1.0 Introduction

At the last meeting of the Partnership on 6 December 2011, Members requested an update on the operation of in-house Household Waste Recycling Centres (HWRCs).

2.0 Background

- 2.1 A Household Waste Recycling Centre Review was carried out in 2010 that enabled a detailed analysis of the sites to be carried out. As a result of the review, the Authority was able to assess the benefits of tendering and using a contractor, compared with running the sites in house. The latter was shown to be more cost effective and beneficial to the Authority as a whole in terms of flexibility, increasing recycling on site etc.
- 2.2 On 9 September 2010, Cabinet gave approval to commence procurement for the HWRCs and for the Strategic Director of Environment and Economy (in consultation with Strategic Directors for Customers, Workforce and Governance and Resources) to decide whether to award contracts or manage the HWRCs in house.
- 2.3 On 11 November 2010, the Strategic Director for Environment and Economy in consultation with the Portfolio Holder for Environment and Economy, the Leader of the Council and the Strategic Directors for Customers, Workforce and Governance and Resources decided to bring the management of 6 of Warwickshire's HWRCs in house.

3.0 Implementation of In-house Operations

- 3.1 On 1 December 2011, the project to bring all but one of Warwickshire's Household Waste Recycling Centres (HWRCs) under direct operation went live.

3.2 The initial implementation of the project included:

- (i) Reorganisation of the waste management group
- (ii) TUPE of staff from external contractor
- (iii) Revised contract arrangements for all staff, including new shift rotas
- (iv) Procurement of new heavy plant machinery
- (v) Initial staff training for plant, compactors and health and safety
- (vi) New haulage contract let and implemented
- (vii) Purchase of two haulage vehicles and recruitment of drivers
- (viii) Managing contracts with all existing waste companies for recycling of materials
- (ix) New site signage installation

3.3 The immediate implementation went well, with only minor issues arising.

4.0 Change of Site Opening Times

4.1 On 9 January 2012, the site opening times changed over to 9.30am to 3.15pm during the week and 8.30am to 4.15pm on weekends (except Shipston).

4.2 The new opening hours were promoted in a number of ways, including:

- (i) Banners on site
- (ii) New site sign with opening times
- (iii) Posters on site
- (iv) Leaflets on site being handed out by staff
- (v) Business cards handed out on site
- (vi) Staff at the entrances on 9 January
- (vii) Press releases

4.3 The implementation of the new opening hours went well and, to date, the waste management team has only received four official complaints.

5.0 Human Resources

5.1 In addition to the immediate implementation process and the change of opening hours, the waste management team have been working on the following areas specifically relating to human resources:

- (i) Recruitment of new members of staff including full time, part time and weekend-only positions
- (ii) Management of shift rotas
- (iii) Further training of staff in First Aid, Manual Handling and Plant, with more training to come

5.2 The HR work stream has been time-consuming, but has been effectively implemented.

6.0 Ongoing Work Streams for 2012

6.1 The waste management team will continue to work on the following work streams:

- (i) All risk assessments checked and implemented
- (ii) Effective management of haulage and recyclables contracts
- (iii) Provision of new reuse shops at four sites
- (iv) Provision of information to users relating to busy and quiet times
- (v) Development of recyclables framework and its implementation
- (vi) Continuing work with CAVA regarding Warwickshire Community Recycling running of the reuse shops and site operation of Wellesbourne and Stockton
- (vii) Payment of invoices using the new WCC finance system
- (viii) Start of Lower House Farm HWRC and Transfer Station build
- (ix) Start of Nuneaton & Bedworth HWRC build

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Warwickshire Waste Partnership

6 March 2012

Quarterly Waste and Recycling Data Update

Recommendation

That the Waste Partnership notes the provisional waste and recycling data for the third quarter, October to December 2011.

1.0 Introduction

- 1.1 This report contains a mixture of data taken from Waste Data Flow and from Warwickshire County Council in-house records and, at the time of publication of this report, are considered provisional estimates.
- 1.2 The figures should be treated as provisional until the data from all authorities has been approved by the Environment Agency and the Department for Environment, Food and Rural Affairs (DEFRA) through the Waste Data Flow System.

2.0 Total Municipal Waste Arising and Disposal Route (Tonnes)

	October	November	December	Q3 Total	Q2 Total
Total Tonnes	21,695	20,974	17,273	59,912	70,436
Landfilled	7,083	7,888	7,317	22,288	23,460
Inert - Landfilled	532	425	379	1,336	1,407
Energy from Waste	2977	2886	3051	8,914	9,972
Other Technology¹	551	0	0	551	1,633
In-vessel Composting²	3516	2994	1526	8,036	10,659
Windrow Composting³	1723	1297	359	3,379	6,243
Other Composting⁴	279	286	163	728	1,139
Recycling (HWRC)	1,085	1,087	809	2,981	3,313
Recycling (WCA)	3,773	3,997	3,635	11,405	11,724
Reuse	176	114	34	324	886

¹ Refuse Derived Fuel

² Indoor controlled composting of garden and food waste from RBC, WDC, SDC

³ Outdoor composting of green garden waste from HWRCs, NBBC and NWBC

⁴ Chipboard and wood

3.0 Percentage of Waste by Disposal Route

	October	November	December	Q3 Total	Q2 Total
% Recycling	22.4%	24.3%	25.7%	24.0%	21.3%
% Composting	25.4%	21.9%	11.9%	20.2%	26%
% Reuse	0.8%	0.6%	0.2%	0.5%	1.3%
Total	48.6%	46.8%	37.8%	44.7%	48.6%

% Landfill	35.1%	39.6%	44.6%	39.4%	33.3%
% Energy from Waste and RDF	16.3%	13.6%	17.6%	15.9%	16.5%
Total	51.4%	53.2%	62.2%	55.3%	49.8%

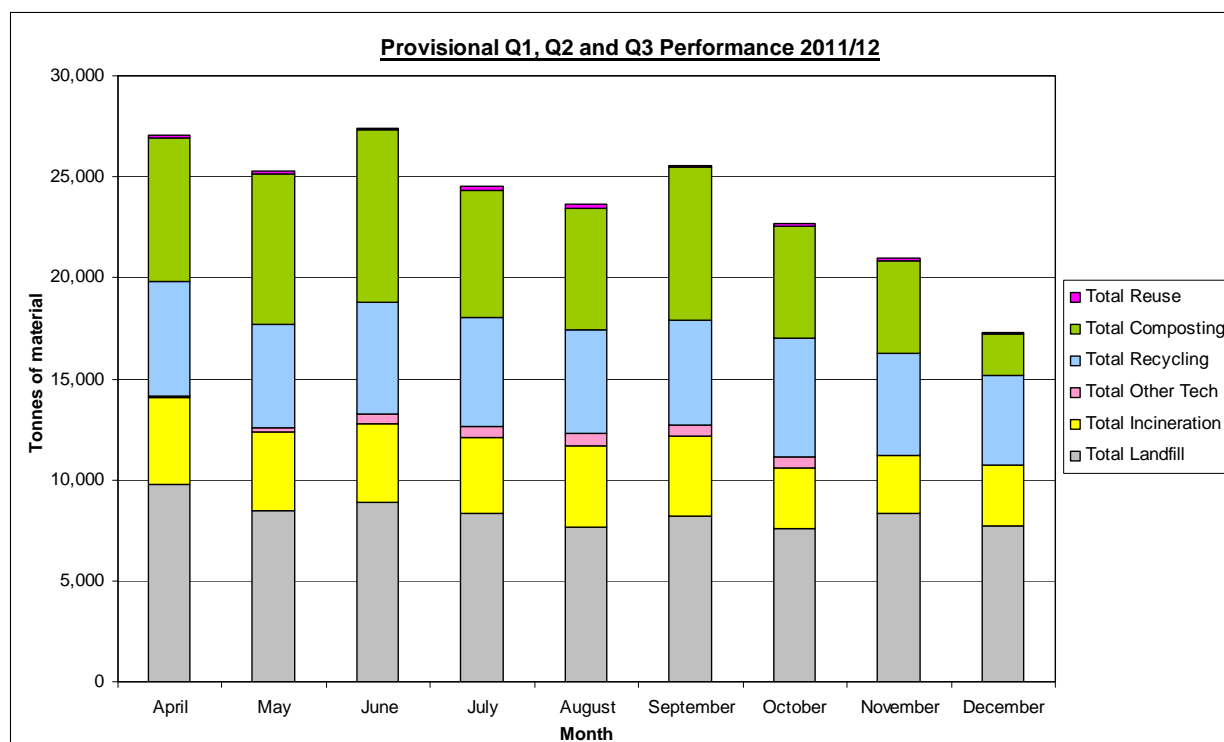
4.0 Estimated Provisional Performance

	Q3 2010/2011	Q3 2011/2012	Change
Recycling Rate	14,065 tonnes	14,386 tonnes	😊 321 tonnes up
	23.1%	24%	😊 0.9% up
Composting Rate	12,874 tonnes	12,143 tonnes	X 731 tonnes down
	21.2%	20.2%	X 1.0% down
Recycling, Composting and Reuse Rate	27,257 tonnes	26,853 tonnes	X 404 tonnes down
	45%	44.7%	X 0.3% down
Landfill Rate	19,762 tonnes	23,624 tonnes	X 3,862 tonnes up
	32.5%	39.4%	X 6.9% up
Energy from Waste	12,311 tonnes	9,465 tonnes	X 2,846 tonnes down
	20.3%	15.9%	X 4.4% down
Total Municipal Waste	60,782 tonnes	59,912 tonnes	😊 870 tonnes down
			😊 1.4% down

5.0 Comparison of Q1, Q2 and Q3 Combined Performance

	Q1, Q2 and Q3 2010/2011	Q1, Q2 and Q3 2011/2012	Change
Recycling Rate	47,430 tonnes	44,407 tonnes	X 3,023 tonnes down
	22.1%	22.0%	X 0.1% down
Composting Rate	55,767 tonnes	52,442 tonnes	X 3,325 tonnes down
	26%	26.0%	😊 same
Recycling, Composting and Reuse Rate	103,197 tonnes	97,173 tonnes	X 6,024 tonnes down
	48.2%	48.2%	😊 same
Landfill Rate	71,168 tonnes	73,883 tonnes	X 2,715 tonnes up
	33.2%	36.6%	X 3.4% up
Energy from Waste	39,928 tonnes	30,856 tonnes	X 9,072 tonnes down
	18.6%	15.3%	X 3.3% down
Total Municipal Waste	214,292 tonnes	201,912 tonnes	😊 12,380 tonnes down
			😊 5.8% down

Note: 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 time of publication of this report, are considered provisional estimates.



6.0 District Provisional Performance – Household Waste

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

	North Warwickshire		Nuneaton and Bedworth		Rugby		Stratford		Warwick	
	Q1, Q2 and Q3 2010/11	Q1, Q2 and Q3 2011/12	Q1, Q2 and Q3 2010/11	Q1, Q2 and Q2 2011/12	Q1, Q2 and Q3 2010/11	Q1, Q2 and Q3 2011/12	Q1, Q2 and Q3 2010/11	Q1, Q2 and Q3 2011/12	Q1, Q2 and Q3 2010/11	Q1, Q2 and Q3 2011/12
Recycling Rate	2,300 tonnes 11%	2,508 tonnes 13%	6,285 tonnes 15.5%	5,601 tonnes 14.7%	7,903 tonnes 26%	7,663 tonnes 25%	10,798 tonnes 26%	9,269 tonnes 26%	8,003 tonnes 21%	7,138 tonnes 20%
Composting Rate	4,422 tonnes 21.5%	4,726 tonnes 24.5%	7,574 tonnes 19%	8,192 tonnes 21.5%	8,305 tonnes 27%	8,047 tonnes 26%	14,350 tonnes 35%	12,467 tonnes 34%	11,146 tonnes 29%	10,707 tonnes 30%
Recycling, Composting and Reuse Rate	6,722 tonnes 33%	7,330 tonnes 38%	13,859 tonnes 34%	13,716 tonnes 36%	16,211 tonnes 52.8%	15,712 tonnes 51%	25,148 tonnes 61%	21,739 tonnes 60%	19,149 tonnes 50%	17,845 tonnes 50%
Residual	13,806 tonnes 67%	11,960 tonnes 62%	26,670 tonnes 66%	24,385 tonnes 64%	14,496 tonnes 47%	16,561 tonnes 53%	15,821 tonnes 39%	14,510 tonnes 40%	18,780 tonnes 50%	17,845 tonnes 50%
Total	20,528 tonnes	19,291 tonnes	40,530 tonnes	38,101 tonnes	30,707 tonnes	31,057 tonnes	40,972 tonnes	36,249 tonnes	37,928 tonnes	35,690 tonnes

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