

Warwickshire Waste Partnership - 27 November 2007

Waste Management Statistics for 2006/7 and the First Quarter of 2007/8

Report of the Strategic Director for Environment and Economy on behalf of the Officers Group

Summary

This report gives details of the quantities of waste arising in each District area and handled by each Council during 2006/7 together with trend information and an indication of some of the major differences between Councils.

Recommendation

That the report be noted.

1. Introduction

1.1 The aim of this report is to give members the following:-

- (i) An overview of the performance of the waste management activities in place in 2006/7 and
- (ii) A comparison of 2007/8 quarter 1 performance with that of 2006/7.

1.2 The source data from which this report has been compiled is attached in the form of four appendices detailing information as follows:-

- (i) **Appendix A** – Details of household waste produced by each district area in 2006/7.
- (ii) **Appendix B** – Amounts of recyclable waste by category and amounts of green waste suitable for composting received by each site.
- (iii) **Appendix C** – Quantities of municipal waste handled, together with other miscellaneous waste management performance data.
- (iv) **Appendix D** – Details of first quarter performance in 2007/8 compared to that for the equivalent period in 2006/7.

2. Main Points for 2006/7

2.1 Household waste produced by District Area – reference **Appendix A**:-

- (i) The overall recycling and composting rate was 32.81% representing in the order of 96,000 tonnes out of a total of some 292,000 tonnes. Although an improvement on previous years, this performance means that Warwickshire still remains in the bottom quartile of PricewaterhouseCoopers (PwC) benchmarked authorities.
- (ii) Total household waste increased by 3,404 tonnes, equivalent to 1.81%. District figures ranged from an increase of 2.87% in Stratford (+1,883 tonnes) to a reduction of 0.68% (-351 tonnes) in Rugby.
- (iii) Warwick District area returned the lowest kilograms per head figure in 2006/7 (495 kg), as it also did in 2005/6 (509 kg). North Warwickshire area returned the highest rate (592 kg), which may be partly due to the Grendon Recycling Centre receiving waste from the Tamworth area.
- (iv) With respect to District Council performance, Stratford achieved the highest composting and recycling rate at 40.22%, with the next best performing district, Warwick, at 29.35%
- (v) With respect to Recycling Centre performance, the two centres in Warwick District achieved the highest rate at an average of 56.36%. The best was Princes Drive at 58.97 % with Burton farm in Stratford District second at 58.79%. For Burton farm this was a reduction from 61.70% in 2005/6. Overall, the performance of Recycling Centres increased from 2005/6 to 2006/7 from 42.34% to 47.39%. This is mainly due to increased performance at the sites run by H W Martins where 2006/7 was their first full contractual year.
- (vi) Warwickshire's figures have been compared with other disposal authorities. Full national figures are not yet available but in the Midlands area, Derbyshire composted/recycled 31.71%, Shropshire 37.92%, Oxfordshire 38.58%, Northamptonshire 39.30% and Leicestershire 42.59%. The highest performing disposal authority was Cambridgeshire at 48.51%. With respect to recycling only, Warwickshire was the lowest performing Shire disposal authority at 16.02%. The next lowest disposal authority was the County of Durham at 16.62%. The average for all disposal authorities was 19.84%. As regards kilograms per head, Warwickshire's figures are still relatively high at 547 kg, with the average of 55 published figures being 515 kg. The highest is Cumbria at 596 kg and the lowest Shire County is Norfolk at 472 kg.
- (vii) As indicated in the note to **Appendix A**, the statistics have been prepared from several sources of information. Wherever possible DEFRA WasteDataflow (WDF) data has been used. Using several sources of information gives rise to discrepancies but interrogating the WDF system to find the reasons for the differences is very time consuming, the system

being extremely complex and not lending itself to simple interrogation and interpretation.

- (viii) It is evident from the comparisons between 2005/6 and 2006/7 that Warwickshire is making improvements in terms of our recycling and composting performance, however many other authorities are improving at the same time and they are often doing so at a higher rate than ourselves.

2.2 **Recycling and Composting** - As regards **Appendix B** some of the main points are:-

- (i) Total household waste recycled/composted increased from 86,342 tonnes in 2005/6 to 96,047 tonnes in 2006/7, equivalent to an increase of 11%.
- (ii) The quantity of waste (mainly green) composted also increased by 11% from 44,469 tonnes to 49,393 tonnes. The increases mainly arose from service extensions in North Warwickshire (1,629 tonnes) and Rugby (2,155 tonnes).
- (iii) All recyclable waste categories demonstrated increased levels, but those materials showing significant increases in recycling were electrical goods, which increased by 53% from 1,430 tonnes to 2,184 tonnes, textiles which increased by 40% from 583 tonnes to 816 tonnes and plastics, which increased by 49% from 231 tonnes to 344 tonnes.

2.3 **Municipal Waste, Re-Use Credits, LPSA2 Monitoring** - With respect to **Appendix C**, the main points are:-

- (i) Municipal waste increased by 0.8% from 2005/6 to 2006/7.
- (ii) There was a further 7.5 % diversion of biodegradable municipal waste (BMW) away from landfill reducing the amount landfilled to 125,905 tonnes. The figure is 52,268 tonnes less than the allowances that had been available for 2006/7, including those carried forward from a surplus in 2005/6. These surplus allowances can now be carried forward into 2007/8. The allocation for 2006/7 excluding the surplus was 153,171 tonnes.
- (iii) Waste incinerated for the purposes of energy recovery increased by 49% to 21,000 tonnes. This level of performance, in excess of 7%, places Warwickshire in the best quartile of PwC benchmarked authorities
- (iv) Levels of Asbestos waste reduced during 2006/7, this being mainly due to restrictions introduced at Princes Drive.
- (v) The LPSA2 figures are detailed in this Appendix and it will be seen that steady progress has been made with the recycling of non-biodegradable waste with increases of about 2,000 tonnes each year over the last two years. At this rate our 2008/9 target of 23,000 tonnes should be achieved leading to a performance reward grant of £1.3 million approximately.

3. Performance for the First Quarter for 2007/8 Compared with 2006/7

3.1 Performance is compared in **Appendix D**. The main points are:-

- (i) There was an improvement in all performance indicators with the exception of composting rates in the North Warwickshire district (22.16% vs 22.66%) and Warwick district (18.51% vs 19.16%), and kilograms per head of population in the case of the North Warwickshire area (141.8 kg vs 137.1 kg).
- (ii) Significant changes were:-
 - A reduction of 1,181 tonnes of household waste for the Nuneaton and Bedworth borough.
 - A reduction of 3,505 tonnes of household waste for Warwickshire overall (but see note to table).
 - A performance increase of more than 2% for composting and recycling for Nuneaton and Bedworth, Stratford and Warwickshire overall.
- (iii) Also of note is the very low figure for Warwick District (not including recycling centres) for kilograms of household waste per head.
- (iv) For further comparison purposes, our 2007/8 first quarter performance has been evaluated against the PwC benchmarking data for those authorities having submitted first quarter returns:-

Percentage recycling – Warwickshire is placed 18th out of 18.

Percentage composting – Warwickshire is placed 6th out of 18.

Percentage energy recovery – Warwickshire is placed 4th out of 18.

Percentage landfill – Warwickshire is placed 5th out of 17.

Kg collected/head – Warwickshire is placed 11th out of 13.

3.2 The only disposal problem so far in 2007/8 which could affect performance, is that the Coventry energy from waste plant went down for routine maintenance at the start of September and did not return for use by Warwickshire's councils until 6 November 2007.

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Background Papers

None.

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Waste Management Statistics for 2006/7 and the First Quarter of 2007/8

Household Waste Produced by Each District Area in 2006/2007 - Tonnes

	Stratford	Warwick	Rugby	Nuneaton	North W.	Total
Population mid 2005	119,000	140,300	91,600	120,700	62,300	533,900
District Council						
District recycled	8,030.17	7,734.57	5,283.95	6,157.51	3,102.95	30,309.15
District composted	14,532.44	7,131.66	4,929.08	8,139.80	4,822.31	39,555.29
District other	33,529.17	35,793.19	32,017.48	42,373.91	23,877.94	167,591.69
Total District	56,091.78	50,659.42	42,230.51	56,671.22	31,803.20	237,456.13
Household waste kilos/ head	471	361	461	470	510	445
District recycling and composting rate	40.22	29.35	24.18	25.23	24.92	29.42
County Council Recycling Centres						
HWS recycled	3,690.71	6,321.02	2,079.67	2,466.78	1,728.27	16,286.45
HWS composted	2,180.14	4,257.71	1,534.76	1,072.17	475.04	9,519.82
Residual waste excluding inerts	5,420.12	8,192.58	4,904.68	7,232.40	2,904.77	28,654.55
Total County	11,290.97	18,771.31	8,519.11	10,771.35	5,108.08	54,460.82
Household waste kilos/head	95	134	93	89	82	102
% recycling and composting	52.00	56.36	42.43	32.86	43.13	47.39
Charities (recycling)	5.66		161.61	35.54		202.81
Other general	18.84	1.41	8.86	36.18		65.29
Total household waste	67,407.25	69,432.14	50,920.09	67,514.29	36,911.28	292,185.05
Total (05/06)	65,524.24	69,324.34	51,270.81	66,552.80	36,108.83	288,781.02
% Change 05/06 to 06/07	2.87	0.16	-0.68	1.44	2.22	1.18

	Stratford	Warwick	Rugby	Nuneaton	North W.	Total
Kilos per head (06/07)	566	495	556	559	592	547
Kilos per head (05/06)	561	509	568	553	582	550
% Change 05/06 to 06/07	0.97	-2.77	-2.13	1.15	1.80	-0.50
Percentage of total collected by District	83.21	72.96	82.93	83.94	86.16	81.27
Total recycling	11,720.88	14,055.59	7,363.62	8,624.29	4,831.22	46,595.60
Total composting	16,712.58	11,389.37	6,463.84	9,211.97	5,297.35	49,075.11
% Recycling	17.39	20.24	14.78	12.83	13.09	16.02
% Composting	24.79	16.40	12.69	13.64	14.35	16.80
% Recycling and composting	42.18	36.65	27.47	26.47	27.44	32.81
Total composted plus recycled	28,433.46	25,444.96	13,827.46	17,836.26	10,128.57	95,670.71

Notes:

1. Mid 2004 population estimates are used for 2005/6 and mid 2005 for 2006/7.
2. District Council figures have been taken from Waste Dataflow records and County Council figures from in house records.
3. Total household waste from Waste Dataflow is 292,249.29 tonnes.

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Recycling and Composting of Household Waste in Warwickshire in 2006/2007 - Tonnes

Site	Glass	Paper	Frid ges + WEEE	Oil	Batt eries	Metal	Tex tiles	Cans	Non Ferrous	Card Board	Plas tics	Wood	Sub Total Recyclate	Compos ting	Total
County Council Sites															
Grendon	16.38	86.72	278.29	11.17	33.28	609.80	67.58		9.75	244.48	10.51	360.31	1,728.27	475.04	2,203.31
Judkins	21.32	55.00	288.86	14.34	45.84	856.60	51.22			227.64	13.66	892.30	2,466.78	1,072.17	3,538.95
Hunters Lane	61.54	104.08	353.94	19.99	77.92	881.52	6.32	3.26	16.29	324.78		230.03	2,079.67	1,534.76	3,614.43
Burton Farm	133.66	325.23	285.33	7.40	41.45	619.69	55.91	5.48	0.63	338.72	44.64	50.90	1,909.04	1,478.60	3,387.64
Wellesbourne	78.19	117.14	38.13	1.67	10.61	138.26	19.04			87.88	16.33	88.43	595.68	248.34	844.02
Shipston	92.03	145.63	104.76	3.44		276.86	17.14			124.57	20.17	109.80	894.40	357.64	1,252.04
Stockton	17.54		33.22	0.79		121.96	6.08			52.10	0.53	59.37	291.59	95.56	387.15
Princes Drive	284.40	474.65	505.46	17.15	49.81	1,316.32	70.86		0.67	668.59	88.21	980.81	4,456.93	3,066.59	7,523.52
Cherry Orchard	221.23	280.67	178.56	7.92	17.62	472.10	54.48		4.14	271.98	43.97	311.42	1,864.09	1,191.12	3,055.21
Sub Total	926.29	1,589.12	2,066.55	83.87	276.53	5293.11	348.63	8.74	31.48	2,340.74	238.02	3,083.37	16,286.45	9,519.82	25,806.27
05/06 Totals	901.60	1,189.28	1,331.49	89.12	260.82	5231.06	230.86	35.24	19.65	1,713.53	156.97	2,686.87	13,846.49	9,515.56	23,362.05
District Council Sites															
(based on credits paid)															
North Warwickshire	1,081.69	1,687.43				23.06	117.97	204.20					3,114.35	4,860.22	7974.57
Nuneaton & Bedworth	1,841.75	3,633.36	117.00	7.07	23.47	110.37	95.40	275.53					6,103.95	8,387.30	1,4491.25

Site	Glass	Paper	Frid ges + WEEE	Oil	Batt eries	Metal	Tex tiles	Cans	Non Ferrous	Card Board	Plas tics	Wood	Sub Total Recyclate	Compos ting	Total
Rugby	1,793.28	3,020.66				8.32	71.61	213.68			77.43		5,184.98	4,929.08	10,114.06
Stratford	2,819.20	4,918.86				17.48	3.33	240.70			28.38		8,027.95	14,520.14	22,548.09
Warwick	2,137.85	5,260.00		5.91	14.41		152.31	192.30					7,762.78	7,146.84	14,909.62
Sub Total	9,673.77	18,520.31	117.00	12.98	37.88	159.23	440.62	1,126.41	0.00	0.00	105.81	0.00	30,194.01	39,843.58	70,037.59
05/06 Totals	9,011.87	17,272.00	98.52	4.04	45.48	149.54	352.21	972.41	0.00	0.00	74.36	0.00	27,980.43	34,953.88	62,934.31
Third Parties (based on credits paid)															
Dale Street Scouts													0.00		0.00
Rokeby First School		134.44					27.18						161.62		161.62
The Trefoil Guild		35.54											35.54		35.54
Welford Scouts		5.66											5.66		5.66
Clinton Combined													0.00		0.00
Newton Regis													0.00		0.00
Cubbington C of E													0.00		0.00
Alcester Lions Club													0.00		0.00
Woodland Trust													0.00		0.00
Sub Total		175.64	0.00	0.00	0.00	0.00	27.18	0.00	0.00	0.00	0.00	0.00	202.82		202.82
05/06 Totals		45.19					0.00	0.00					45.19		45.19
Grand Total	10,600.06	20,285.07	2,183.55	96.85	314.41	5,452.34	816.43	1,135.15	31.48	2,340.74	343.83	3,083.37	46,683.28	49,363.40	96,046.68
05/06 Totals	9,913.47	18,506.47	1,430.01	93.16	306.30	5,380.60	583.07	1,007.65	19.65	1,713.53	231.33	2,686.87	41,872.11	44,469.44	86,341.55

Notes:

- Hunters Lane's plastics are included with Rugby Borough.
- 7.46 tonnes of Rugby's textiles are shoes.
- 13.80 tonnes of Rugby's paper is yellow pages.
- 31.77 tonnes of Warwick's paper is yellow pages.
- Burton Farm's batteries includes 1.52 tonnes of household batteries.
- Burton Farms oil includes 1.22 tonnes of vegetable oil.
- Note increases in paper, WEEE, textiles, card and plastics.
- The wood figure for Burton Farm excludes wood composted.

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Municipal Waste

	2004/5	2005/6	2006/7	% Change 2005/6 to 2006/7
By source/type				
Household - tonnes	289,461	288,781	292,250	1.2
Commercial - tonnes	12,051	11,774	10,906	-7.4
Asbestos - tonnes	165	188	102	-45.8
Soil, rubble - tonnes	13,428	12,951	11,933	-7.9
Other	61			
Total – tonnes	315,166	313,694	316,339	0.8
By destination (from Waste Dataflow)				
Recycled or composted			98,987	
Incinerated	10,844	14,145	21,000	49.1
Landfilled		204,901	196,262	-4.2
Total – tonnes			316,339	
Biodegradable municipal waste landfilled	143,625	136,105	125,905	-7.5

Re-use Credits Paid by County Council in 2006/7

Area	Furniture Bric-a Brac Appliances	Books	Textiles	Shoes	Total	Paid £
Nuneaton, Second Chance	36.18				36.18	678.42
Rugby, Goods Again	8.86				8.86	315.42
Stratford, Loft Workshop	14.32				14.32	444.41
Warwick, Warwick District		1.20	2.16	2.02	5.38	201.39
Total					64.74	1,639.64

LPSA2 Monitoring

2006/7 Out-turn for non BMW Recycling

	Tonnes 2004/5	Tonnes 2005/6	Tonnes 2006/7	Tonnes Change 2005/6 to 2006/7
Glass	8,431	9,913	10,600	687
Fridges and WEEE	981	1,430	2,184	754
Oil	94	93	97	4
Batteries	285	306	314	8
Metal	5,470	5,381	5,452	72
50% Textiles	296	292	408	117
Cans	939	1,008	1,135	128
Non ferrous	9	20	31	12
Plastics	159	231	344	113
Total	16,664	18,674	20,566	1,892

Target for 2008/9 is 23,000 tonnes

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Performance for the First Quarter of 2007/8 Compared with 2006/7 for Household Waste

Year	Authority	Recycling	Recycling	Compos	Compos	Total	Kilograms	Landfilled	Landfilled	Energy	Energy	Total
		Tonnes	%	ting	ting	Household	per	Tonnes	%	Recovery	Recovery	Recycling & Composting
				ing	ing	Tonnes	Head			Tonnes	%	%
2006/7	North Warwicks	745	8.72	1,936	22.66	8,543	137.1					31.38
2007/8	North Warwicks	818	9.25	1,958	22.16	8,835	141.8					31.41
2006/7	Nuneaton & Bed.	1,486	9.21	3,419	21.18	16,140	133.7					30.39
2007/8	Nuneaton & Bed.	1,574	10.52	3,278	21.91	14,959	123.9					32.43
2006/7	Rugby	1,233	10.76	1,781	15.55	11,454	125.0					26.31
2007/8	Rugby	1,324	11.57	1,857	16.22	11,448	125.0					27.79
2006/7	Stratford	1,894	11.98	5,138	32.51	15,803	132.8					44.49
2007/8	Stratford	2,039	13.42	5,209	34.28	15,195	127.7					47.70
2006/7	Warwick	1,860	13.68	2,604	19.16	13,595	96.9					32.84
2007/8	Warwick	1,999	15.37	2,407	18.51	13,007	92.7					33.88
2006/7	Warwickshire	11,562	14.13	18,268	22.33	81,801	153.2	46,987	57.44	4,982	6.09	36.46
2007/8	Warwickshire	12,417	15.86	17,759	22.68	78,296	146.7	43,047	54.98	5,072	6.48	38.54

Notes:

1. The figures have been taken from the DEFRA Waste Dataflow system (WDF).
2. Both years use the same populations and these are likely to be subject to amendment.
3. The total household waste figure for Warwickshire has been calculated slightly differently in 2007/8 by WDF. If they had used the method used in 2006/7 then the tonnage would have been about 1,000 tonnes more in 2007/8.
4. Warwickshire's figures include district waste and recycling centre waste.