

Warwickshire Waste Partnership - 30 September 2008

Waste Management Statistics for 2007/8

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

Summary

The report details the quantities of waste arising in each District area and handled by each Council during 2007/8. It also highlights trends and some of the main differences between Councils. The effects on performance of the introduction of Warwick District's new service in 2008/9 are also detailed.

Recommendation

That the report be noted.

1. Introduction

- 1.1 **Appendix A** gives details of the amount of household waste arising in each district area and the quantities recycled, composted and incinerated. **Appendix B** categorises the waste recycled and details the sources of the green waste which was composted. **Appendix C** provides information on the quantities of municipal waste handled and other performance data. **Appendix D** compares figures for the Warwick District area for first quarter of 2008/9 with those for 2007/8.

2. Main Points for 2007/8

- 2.1 **Household Waste by District Area** As regards **Appendix A** some of the main points are:-
- (a) The overall recycling and composting rate was 35.49%.
 - (b) Total household waste reduced by 4.01% from 2006/7 to 2007/8. There were reductions in each District with over 5% reductions in Rugby, Nuneaton and Bedworth and North Warwickshire. The reduction in Rugby was primarily due to the closure of the Hunters Lane Recycling Centre for six months of the year for refurbishment. The small reduction in Stratford is in part due to a 700 tonne increase in the input to Burton

Farm Recycling Centre. This is considered mainly due to the closure of the Redditch Recycling Centre to Stratford's residents.

- (c) The Warwick District area had the lowest kilograms per head in 2007/8 with the Stratford area having the highest. In most previous years the North Warwickshire area has had the highest.
- (d) With respect to District Council performance, Stratford achieved the highest composting and recycling rate at 43.40% followed by Warwick at 30.88%.
- (e) With respect to Recycling Centre performance, the two centres in Warwick District achieved the highest rate at an average of 65.39%. The best was Princes Drive at 70.53%. Overall, the performance of Recycling Centres increased from 2006/7 to 2007/8 from 47.39% to 53.97%.
- (f) The highest composting and recycling rate was achieved with the waste generated in the Stratford District area at 45.02%. The highest in 2006/07 was also Stratford District at 42.18%.
- (g) Warwickshire's figures have been compared with other shire disposal authorities. In terms of recycling and composting Warwickshire was 30th out of 34 Shire County Councils. Somerset was the highest at 50.91% with Durham the lowest at 24.99%. Adjoining Shire Counties had the following composting/recycling rates: Worcestershire 38.35%, Oxfordshire 40.14%, Northamptonshire 42.27% and Leicestershire 48.44%. With respect to recycling only, Warwickshire was the lowest performing Shire County at 17.54%. The next lowest County was Durham at 19.10%. The average for all Counties was 23.91%. As regards kilograms per head, Warwickshire is about eighth highest (539 per head according to WasteDataflow) out of the 34 Shire Counties. The highest figure was that for Cheshire at 567 kilos per head with the lowest figure being that for Norfolk at 474 kilos per head.
- (h) 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.

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

- (a) Household waste recycled increased from 46,683 tonnes in 2006/07 to 48,809 tonnes in 2007/08 which is an increase of 4.6%.
- (b) The quantity of waste (mainly green) composted increased by 2.6% from 49,363 tonnes to 50,643 tonnes. For both recycling and composting these are much smaller increases than from 2005/6 to 2006/7 where the increase for both elements was near 11%. This reduced increase is due to the fact that there were minimal changes in service for all councils during 2007/8.

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

- (a) Municipal waste decreased by 4.0% from 2006/7 to 2007/8.
- (b) There was a further 9.3 % diversion of biodegradable municipal waste (BMW) away from landfill reducing the amount landfilled to 114,134 tonnes. The figure is 80,725 tonnes less than the allowances that had been available for 2007/8, including those carried forward from a surplus in 2006/7. These surplus allowances can now be carried forward into 2008/9. The allocation for 2007/8 excluding the surplus was 142,591 tonnes.
- (c) Total waste landfilled reduced by 7.7%.
- (d) The LPSA2 figures are detailed in **Appendix C** and it will be seen that although there was an increase on 2006/7 we still have some way to go to achieve the 23,000 tonnes target in 2008/9. The main problem material was scrap metal where there was a significant reduction. It is considered that this is due to some members of the public using other outlets for the material due to its current high value (about £200/tonne). Other outlets include local rag and bone men who have re-appeared in a number of areas. Although measures are being considered to boost performance in 2008/9, it would appear that the new collection arrangements introduced in Warwick District from 31 March, in Stratford District from 4 August and in Nuneaton and Bedworth from 1 June (collecting plastics) should provide sufficient additional recyclables to achieve the target. If we achieve the target then we receive a performance reward grant of £1,163,000.

3. **Performance in the Warwick District Area in the First Quarter for 2008/9 Compared with 2007/8**

3.1 Performance is compared in **Appendix D**.

3.2 As some of you will know, Warwick District Council introduced a new collection service on 31 March 2008. A full report on the service will be given to the Waste Partnership's Annual Conference in November. The main changes are that that kitchen and green waste are now collected together every two weeks, with residual waste also only collected every two weeks on the alternate week. Dry recyclables are continuing to be sorted at the kerbside. Also as part of the changes the remaining 50% of the District which did not have green bins were given green bins for green (and kitchen) waste.

3.3 From **Appendix D** the main points are:-

- (a) The recycling rate achieved by Warwick District in the first quarter increased from 15.37% to 24.96%, the composting rate increased from 18.51% to 35.04% and the combined rate increased from 33.88% to 60.00%.

- (b) The new District service had some effects on the performance of the Kenilworth and Leamington Spa Recycling Centres but these were not substantial.
 - (c) Overall for the area, recycling and composting performance increased from 41.29% to 59.67%.
 - (d) Also overall for the area, total residual waste reduced by 3,351 tonnes (31%).
- 3.4 The figures clearly show that the new arrangements introduced by Warwick District Council have substantially improved performance.

4. Financial Implications

- 4.1 None.

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Background Papers

None.

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22 September 2008

Warwickshire Waste Partnership - 30 September 2008

Waste Management Statistics for 2007/8

Household Waste Produced by Each District Area in 2007/2008 - Tonnes

	Stratford	Warwick	Rugby	Nuneaton	North W.	Total
Population mid 2007	117,800	134,600	91,000	121,200	62,200	526,800
District Council						
District recycled	8,533.56	8,177.15	5,814.16	6,402.94	3,340.27	32,268.08
District composted	15,330.04	6,988.30	5,301.92	8,260.69	5,102.84	40,983.79
District other	31,119.13	33,937.63	31,641.39	39,873.05	21,416.32	157,987.52
Total District	54,982.73	49,103.08	42,757.47	54,536.68	29,859.43	231,239.39
Household waste kilos/ head	467	365	470	450	480	439
District recycling and composting rate	43.40	30.88	26.00	26.89	28.28	31.68
County Council Recycling Centres						
HWS recycled	4,574.68	6,692.23	1,016.85	2,633.33	1,674.73	16,591.82
HWS composted	1,700.80	4,982.99	921.52	1,123.96	615.12	9,344.39
Residual waste excluding inerts	5,709.32	6,179.93	2,176.27	5,582.64	2,472.37	22,120.53
Total County	11,984.80	17,855.15	4,114.64	9,339.93	4,762.22	48,056.74
Household waste kilos/head	102	133	45	77	77	91
% recycling and composting	52.36	65.39	47.11	40.23	48.08	53.97
Charities (recycling or reuse)	18.60		182.43	140.86		341.89
Other general		54.37	771.70			826.07
Total household waste	66,986.13	67,012.60	47,826.24	64,017.47	34,621.65	280,464.09
Total (06/07)	67,407.25	69,432.14	50,920.09	67,514.29	36,911.28	292,185.05
% Change 06/07 to 07/08	-0.62	-3.48	-6.08	-5.18	-6.20	-4.01

	Stratford	Warwick	Rugby	Nuneaton	North W.	Total
Kilos per head (07/08)	569	498	526	528	557	532
Kilos per head (0607)	566	495	556	559	592	547
% Change 06/07 to 07/08	0.47	0.58	-5.47	-5.51	-5.98	-2.67
Percentage of total collected by District	82.08	73.27	89.40	85.19	86.24	82.45
Total recycling	13,126.84	14,869.38	7,013.44	9,177.13	5,015.00	49,201.79
Total composting	17,030.84	11,971.29	6,223.44	9,384.65	5,717.96	50,328.18
% Recycling	19.60	22.19	14.66	14.34	14.49	17.54
% Composting	25.42	17.86	13.01	14.66	16.52	17.94
% Recycling and composting	45.02	40.05	27.68	28.99	31.00	35.49
Total composted plus recycled	30,157.68	26,840.67	13,236.88	18,561.78	10,732.96	99,529.97

ref: HOUSEHOLD WASTE BY DISTRICT 0708

Note

1. Mid 2007 population estimates are used for 2007/08 and mid 2005 for 2006/07.
2. District Council figures have been taken from WasteDataflow records and County Council figures from in house records.
3. Total household waste from Waste Dataflow (WDF) is 281,402.32 tonnes. WDF figures have 30.53 tonnes of additional recyclables, 32.09 tonnes of additional compostables, 838.56 tonnes of additional residual waste and 37.15 tonnes of other waste.

Appendix B of Agenda No

Warwickshire Waste Partnership - 30 September 2008
Waste Management Statistics for 2007/8

Recycling and Composting of Household Waste in Warwickshire in 2007/2008 - Tonnes

Site	Glass	Paper	Frid ges + WEEE	Oil	Batt eries	Metal	Tex tiles	Cans	Non Ferrous	Card Board	Plas tics & cart	Wood	Sub Total Recyclate	Compos ting	Total
County Council Sites															
Grendon	21.25	97.58	308.44	12.07	32.75	465.63	62.30		9.92	287.76	18.00	359.03	1674.73	615.12	2289.85
Judkins	32.20	74.22	228.08	15.52	33.56	760.85	61.54		14.26	346.58	53.26	1013.26	2633.33	1,123.96	3757.29
Hunters Lane	25.08	60.62	118.97	13.95	27.29	418.19	6.80	1.43	9.83	176.86	11.56	146.27	1016.85	921.52	1938.37
Princes drive	332.53	534.15	631.26	15.74	38.52	1127.79	92.93		0.76	814.16	117.04	1013.56	4718.44	3,793.54	8511.98
Cherry Orchard	247.74	335.33	208.98	7.74	12.85	384.76	55.19		2.04	305.11	60.66	353.38	1973.78	1,210.68	3184.46
Burton Farm	141.79	437.17	501.26	8.55	35.05	454.61	81.30	3.73		318.25	62.95	391.93	2436.59	894.42	3331.01
Stockton	31.24	1.76	82.29	1.50	3.00	130.41	10.08		0.75	121.38	7.59	102.29	492.29	183.12	675.41
Shipston	99.03	164.91	120.03	5.98		235.01	16.54		0.26	160.01	28.72	117.79	948.28	373.54	1321.82
Wellesbourne	80.70	130.13	51.05	2.80	9.01	149.12	19.70		0.23	128.08	26.53	100.17	697.52	249.72	947.24
Sub Total	1011.56	1835.87	2250.36	83.85	192.03	4126.37	406.38	5.16	38.05	2658.19	386.31	3597.68	16591.81	9,365.62	25957.43
06/07 Totals	926.29	1589.12	2066.55	83.87	276.53	5293.11	348.63	8.74	31.48	2340.74	238.02	3083.37	16286.45	9519.82	25806.27
District Council Sites (based on credits paid)															
North Warwickshire	1166.34	1804.72				12.42	119.70	218.56		4.08			3325.82	5107.44	8433.26
Nuneaton & Bedworth	2061.93	3697.05	25.94	13.26	23.01	78.03	121.66	311.92	0.39				6333.19	8571.32	14904.51
Rugby	1973.38	3258.50					70.59	249.72			128.09		5680.28	5301.92	10982.20
Stratford	3063.01	5169.02				57.34	7.15	181.02			38.72		8516.26	15330.04	23846.30
Warwick	2637.57	5159.26		1.99	6.62		173.75	182.75					8161.94	6965.38	15127.32
Sub Total	10902.23	19088.55	25.94	15.25	29.63	147.79	492.85	1143.97	0.39	4.08	166.81	0.00	32017.49	41276.10	73293.59
06/07 Totals	9673.77	18520.31	117.00	12.98	37.88	159.23	440.62	1126.41	0.00	0.00	105.81	0.00	30194.01	39,843.58	70037.59

Third Parties															
(based on credits paid)															
St Matthews Bloxham		0.92											0.92		0.92
Rokeby First School		146.88					30.85						177.73		177.73
The Trefoil Guild		17.04											17.04		17.04
Welford Scouts		4.38											4.38		4.38
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
															0.00
Sub Total		169.22	0.00	0.00	0.00	0.00	30.85	0.00	0.00	0.00	0.00	0.00	200.07		200.07
06/07 Totals		175.64					27.18	0.00					202.82		202.82
Grand Total	11913.79	21093.64	2276.30	99.10	221.66	4274.16	930.08	1149.13	38.44	2662.27	553.12	3597.68	48809.37	50641.72	99451.09
06/07 Totals	10600.06	20285.07	2183.55	96.85	314.41	5452.34	816.43	1135.15	31.48	2340.74	343.83	3083.37	46683.28	49363.40	96046.68

Notes

1. The PD figures exclude 2.75 tonnes of trade card, 1.24 tonnes of trade paper and 3.71 tonnes of Stratford plastics.
2. Burton farm's figures include Reuse (1.36 tonnes electrical, 9.08 shoes in textiles).
3. The PD figures include the full green and chipboard composted output.
4. The PD figures include WDC WEEE.
5. 10.97 tonnes of Warwick's paper is yellow pages.
6. Burton farm's batteries includes 3.76 tonnes of household batteries.
7. Burton farms oil includes 1.16 tonnes of vegetable oil.
8. Note reductions in oil and scrap. Note increase in glass and plastics.
9. The wood figure for Burton Farm excludes wood composted.

Warwickshire Waste Partnership - 30 September 2008 Waste Management Statistics for 2007/8

Municipal Waste

	2005/06	2006/07	2007/08	% Change
By source/type				2006/07 to 2007/08
Household - tonnes	288,781	292,250	281,402	-3.7
Commercial - tonnes	11,774	10,906	10,641	-2.5
Asbestos - tonnes	188	102	80	
Soil, rubble - tonnes	12,951	11,933	10,754	-22
Other			896	
Total – tonnes	313,694	316,339	303,773	-4.0
By destination (from WasteDataflow)				
Recycled or composted		98,987	102,228	3.3
Incinerated	14,145	21,090	20,444	-3.1
Landfilled	204,901	196,262	181,101	-7.7
Total – tonnes		316,339	303,773	-4.0
Biodegradable municipal waste landfilled	136,105	125,905	114,134	-9.3

Re-use Credits paid by County Council in 2007/08

Area	Furniture	Books	Textiles	Shoes	Total	Paid
	Bric-a Brac					£
	Appliances					
	Tonnes	Tonnes	Tonnes	Tonnes	Tonnes	
Nuneaton						
Second Chance	123.82				123.82	2,250.63
Nuneaton and Bedworth BC				2.48	2.48	86.89

Rugby						
Goods Again	1.59				1.59	56.68
Rugby Borough	4.80			6.32	11.12	390.49
Rokeby PTFA				2.18	2.18	76.65
Stratford, Loft Workshop	14.22				14.22	440.82
Warwick, Warwick District		10.33		7.10	17.43	611.94
Total	144.43	10.33		18.08	172.84	3,914.10

LPSA2 Monitoring

2006/07 Out-turn for non BMW Recycling

	Tonnes	Tonnes	Tonnes	Tonnes	Tonnes
	2004/05	2005/06	2006/07	2007/08	Change
					200607 to 200708
Glass	8,431	9,913	10,600	11,914	1,314
Fridges and WEEE	981	1,430	2,184	2,276	92
Oil	94	93	97	99	2
Batteries	285	306	314	222	-92
Metal	5,470	5,381	5,452	4,274	-1,178
50% Textiles	296	292	408	465	57
Cans	939	1,008	1,135	1,149	14
Non ferrous	9	20	31	38	7
Plastics	159	231	344	553	209
Total	16,664	18,674	20,566	20,991	425

Target for 2008/09 is 23,000 tonnes

Warwickshire Waste Partnership - 30 September 2008 Waste Management Statistics for 2007/8

Performance in Warwick District for first 3 months of 200809 compared with 200708

Household
waste

200809

Authority or Site	Recycled Tonnes	Composted Tonnes	Residual Tonnes	Total	Recycling %	Composting %	Total %
Warwick District	3,309.17	4,646.60	5,303.56	13,259.33	24.96	35.04	60.00
Cherry Orchard	469.72	411.14	978.20	1,859.06	25.27	22.12	47.38
Princes Drive	1,233.78	944.88	1,162.72	3,341.38	36.92	28.28	65.20
Total	5,012.67	6,002.62	7,444.48	18,459.77	27.15	32.52	59.67

200708

Authority or Site	Recycled Tonnes	Composted Tonnes	Residual Tonnes	Total	Recycling %	Composting %	Total %
Warwick District	1,999.26	2,407.28	8,600.77	13,007.31	15.37	18.51	33.88
Cherry Orchard	523.89	403.12	790.50	1,717.51	30.50	23.47	53.97
Princes Drive	1,229.88	1,030.18	1,404.28	3,664.34	33.56	28.11	61.68
Total	3,753.03	3,840.58	10,795.55	18,389.16	20.41	20.89	41.29

Changes tonnes	1,259.64	2,162.04	-3,351.07	70.61
Changes %	33.56	56.29	-31.04	0.38

Notes

- 1 With respect to LPSA2, the dry recyclables figure for WDC for 200809 includes 417.1 tonnes of additional glass and 136.8 tonnes of additional plastics. The totals for these two materials combined for PD and Cherry Orchard have only reduced by 28.69 tonnes.