

**Warwickshire Waste Management Forum
29 September 2009**

Waste Management Statistics for 2008/09

**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 2008/09. It also highlights trends and some of the main differences between Councils.

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** compares the overall performance of Warwickshire with other councils. **Appendix C** categorises the waste recycled and composted. **Appendix D** provides more information on the quantities of municipal waste handled and other performance data.

2. Main Points for 2008/098

- 2.1 **Household Waste by District Area** With regard to **Appendix A** some of the main points are:-
- (a) The overall recycling and composting rate was over 43%.
 - (b) Total household waste reduced by 2.23% from 2007/08 to 2008/09. There were reductions in each District, except Rugby, with over a 5% reduction in Stratford. The increase in Rugby is due to the Hunters Lane recycling centre operating for the full year, being down for 6 months in 2007/08 for refurbishment, and the reduction in Stratford is due to the district not collecting green waste in the latter part of the year.

- (c) The Warwick District area had the lowest kilograms per head in 2008/09 with North Warwickshire having the highest.
- (d) With respect to District Council performance, Warwick achieved the highest composting and recycling rate at 52.14% followed by Stratford at 47.01%. Warwick's performance considerably improved from the figure of 30.88% in 2007/08 due to the introduction of the new biowaste collection service covering all properties and the alternate weekly collection of residual waste.
- (e) With respect to Recycling Centre performance, the two centres in Warwick District achieved the highest rate at an average of 77.05%. The site with the poorest performance was Judkins at 40.71%.
- (f) The highest composting and recycling rate was achieved with the waste generated in the Warwick District area at 58.19%. The highest in 2007/08 was Stratford District at 45.02%.
- (g) Total recycling composting and re-use increased by over 19,000 tonnes compared with 2007/08.
- (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 Comparisons with other Authorities

- (a) **Appendix B** compares Warwickshire's performance with other shire councils. It will be seen that Warwickshire is the most improved shire council in 2008/09 in terms of recycling and composting with overall performance increasing by 7.81 percentage points. This was mainly due to the new arrangements introduced in Warwick District.

2.3 Recycling and Composting As regards **Appendix C** some of the main points are:-

- (a) Paper/card based products are the most recycled materials at almost 28,000 tonnes. Glass is the second most recycled material at almost 14,000 tonnes.
- (b) Certain materials are virtually only recycled by the County Council but some are delivered by the district councils to the County for recycling. Wood and scrap metal fall into the first category and electrical goods fall into the second category.
- (c) The other compostable waste is primarily the biowaste (green and kitchen) collected by Warwick District and just over 1,900 tonnes of wood sent for composting from household waste recycling centres.

- (d) It will be seen that only about 800 tonnes of non-household waste is recycled plus 2,183 tonnes of rubble which is also not classified as household waste.

2.4 Municipal Waste, National Indicators, LPSA2 Monitoring With respect to **Appendix D**, the main points are:-

- (a) Municipal waste decreased by 2.4% from 2007/08 to 2008/09.
- (b) There was a further 16.7 % diversion of biodegradable municipal waste (BMW) away from landfill reducing the amount landfilled to 95,107 tonnes. The allocation for 2008/09 excluding surpluses carried forward from previous years was 129,365 tonnes.
- (c) Total waste landfilled reduced by 15.5%.
- (d) It will be seen that we have met our LPSA2 target of recycling 23,000 tonnes of non-biodegradable recyclables. It will be seen that in the last year this was helped by significant increases in the recycling of glass, cans and plastics.
- (e) The LAA NI 191 target was 746 kgs per household and it will be seen that this was met by some margin.

3. Financial Implications

3.1 None.

Enquiries: about this report should be made to Roy H Burton, Group Manager, Waste Management, 01926 412593, email royburton@warwickshire.gov.uk

Background Papers

None.

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1 September 2009

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Household Waste Produced by each District area in 2008/2009 - Tonnes

	Stratford	Warwick	Rugby	Nuneaton	North W.	Total
Population	117,800	134,600	91,000	121,200	62,200	526,800
District Council						
District recycled	11,684.12	12,357.23	6,211.89	9,457.55	3,310.13	43,020.92
District reuse	0.00	0.00	34.53	0.00	0.00	34.53
District composted	12,887.68	13,758.83	7,322.94	8,849.69	5,296.82	48,115.96
District other	27,695.03	23,975.21	28,517.15	36,117.73	21,442.77	137,747.89
Total District	52,266.83	50,091.27	42,086.51	54,424.97	30,049.72	228,919.30
Household waste kilos/head	444	372	462	449	483	435
District recycling and composting rate	47.01	52.14	32.16	33.64	28.64	39.81
County Council Recycling Centres						
HWS recycled	3,722.02	6,347.63	1,861.91	2,438.97	1,621.41	15,991.94
HWS composted	2,643.48	4,514.26	1,377.10	1,026.64	1,027.60	10,589.08
Residual waste excluding inerts	4,623.06	3,236.17	2,498.65	5,047.83	1,736.95	17,142.66
Total County	10,988.56	14,098.06	5,737.66	8,513.44	4,385.96	43,723.68
Household waste kilos/head	93	105	63	70	71	83
% recycling and composting	57.93	77.05	56.45	40.71	60.40	60.79
Charities (recycling or reuse)	14.33		2.03	104.17		120.53
Other general		81.21	361.04			442.25
Other composting		1000.00				1000.00
Total household waste 2008/09	63,269.72	65,270.54	48,187.24	63,042.58	34,435.68	274,205.76
Total (07/08)	66,986.13	67,012.60	47,826.24	64,017.47	34,621.65	280,464.09
% Change 07/08 to 08/09	-5.55	-2.60	0.75	-1.52	-0.54	-2.23
Kilos per head (08/09)	537	485	530	520	554	521

Percentage of total collected by District	82.61	76.74	87.34	86.33	87.26	83.48
	Stratford	Warwick	Rugby	Nuneaton	North W.	Total
Total recycling	15,420.47	18,704.86	8,075.83	12,000.69	4,931.54	59,133.39
Total composting	15,531.16	19,273.09	8,700.04	9,876.33	6,324.42	59,705.04
% Recycling	24.37	28.66	16.76	19.04	14.32	21.57
% Composting	24.55	29.53	18.05	15.67	18.37	21.77
% Recycling and composting	48.92	58.19	34.81	34.70	32.69	43.34
Total composted plus recycled	30,951.63	37,977.95	16,775.87	21,877.02	11,255.96	118,838.43
Total composted plus recycling in 2007/08	30,157.68	26,840.67	13,236.88	18,561.78	10,732.96	99,529.97

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Note :-

- 1 District Council figures have been taken from WasteDataflow records and County Council figures from in house records.
- 2 Other composting is composting from street sweepings.
- 3 Total household waste from Waste Dataflow (WDF) is 275,225.52 tonnes.

WDF figures have 69.19 tonnes of additional recyclables, no additional compostables and 950.57 tonnes of additional residual waste.,

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NI192 - Percentage, Recycling, Re-use and Composting

Comparisons with Other Shire Counties

		200/809	2007/08	Change 0708
		%	%	to 0809 %
	Authority			points
1	Leicestershire County Council	52.00	48.61	3.39
2	Cambridgeshire County Council	51.99	50.97	1.02
3	Devon County Council	51.61	47.30	4.31
4	Lincolnshire County Council	50.75	50.51	0.24
5	Somerset County Council	49.15	50.99	-1.84
6	Suffolk County Council	48.40	45.89	2.51
7	Dorset County Council	48.14	45.77	2.37
8	Cheshire County Council	47.97	41.05	6.92
9	Shropshire County Council	47.57	43.55	4.03
10	Northamptonshire County Council	46.04	42.91	3.13
11	Staffordshire County Council	45.56	42.33	3.23
12	Hertfordshire County Council	43.99	38.76	5.23
13	Buckinghamshire County Council	43.66	41.84	1.82
14	Essex County Council	43.51	39.82	3.70
15	Lancashire County Council	43.21	41.27	1.94
16	Warwickshire County Council	43.20	35.39	7.81
17	North Yorkshire County Council	43.16	38.54	4.62
18	Cumbria County Council	43.11	38.85	4.26
19	Norfolk County Council	43.07	40.46	2.61
20	Oxfordshire County Council	43.05	40.24	2.82
21	Bedfordshire County Council	42.90	39.49	3.42
22	Worcestershire County Council	42.56	38.34	4.23
23	Gloucestershire County Council	42.01	36.40	5.61
24	Nottinghamshire County Council	41.59	39.27	2.33
25	Derbyshire County Council	41.34	37.56	3.79
26	Hampshire County Council	41.19	40.31	0.88
27	Surrey County Council	40.92	35.28	5.64
28	Wiltshire County Council	40.51	36.67	3.84
29	West Sussex County Council	39.93	37.49	2.45
30	Northumberland County Council	38.93	36.91	2.03
31	Kent County Council	38.65	35.82	2.83
32	Cornwall County Council	36.76	34.41	2.35
33	East Sussex County Council	35.36	33.09	2.27
34	Durham County Council	29.10	24.16	4.94

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Recycling, Re-Use and Composting - Municipal Waste

Recycled or re-used	North Warwicks	Nuneaton & Bedworth	Rugby	Stratford	Warwick	WCC	Total
Glass	1,201.36	2,363.44	2,157.98	3,578.23	3,982.00	662.38	13,945.39
Paper	1,766.89	4,111.18	0.00	2,331.72	5,392.55	1,506.51	15,108.85
Card	6.14	1,214.30	0.00	126.22	1,610.12	2,144.05	5,100.83
Books	8.64	0.00	0.00	0.68	0.00	0.18	9.50
Mixed paper & card	0.00	0.00	3,591.26	3,973.61	0.00	165.89	7,730.76
Cans	227.23	633.22	299.09	534.20	528.74	0.00	2,222.48
Plastics	3.12	828.00	125.20	1,122.08	575.05	283.01	2,936.46
Textiles & footwear	85.88	116.22	105.89	17.36	252.33	475.39	1,053.06
Wood	0.00	0.00	0.00	0.00	0.00	4,226.82	4,226.82
Fridges & Freezers	0.00	59.48	0.00	1.13	0.00	579.59	640.20
Other electrical goods	0.00	22.20	0.00	0.00	0.00	2,169.27	2,191.47
Other Scrap metal	10.86	88.05	0.00	0.00	0.00	3,693.27	3,792.18
Fluorescent tubes	0.00	0.00	0.00	0.00	0.00	6.40	6.40
Aluminium foil	0.00	0.00	0.00	0.00	0.00	1.21	1.21
Automotive batteries	0.00	16.17	0.00	0.00	0.00	161.87	178.04
Post consumer, non automotive batteries	0.00	0.00	0.00	0.00	15.55	6.26	21.81
Vegetable Oil	0.00	0.00	0.00	0.00	0.00	1.12	1.12
Mineral Oil	0.00	5.28	0.00	0.00	0.00	68.42	73.70
Other materials	0.00	0.67	0.00	0.00	0.89	95.73	97.29
Sub Total	3,310.13	9,458.20	6,279.42	11,685.23	12,357.23	16,247.37	59,337.57
Household waste	3,310.13	9,458.20	6,246.42	11,684.10	12,357.23	16,146.50	59,202.58

Material Composted

Green waste only	5,296.82	9,137.93	7,601.58	12,887.68	0.00	9,674.39	44,598.40
Other compostable waste	0.00	0.00	89.12	0.00	13,758.83	1,923.56	15,771.51
Sub Total	5,296.82	9,137.93	7,690.70	12,887.68	13,758.83	11,597.95	60,369.91
Household Waste	5,296.82	8,849.69	7,322.94	12,887.68	13,758.83	11,589.08	59,705.04
	North Warwicks	Nuneaton & Bedworth	Rugby	Stratford	Warwick	WCC	Total
Totals							
Total	8,606.95	18,596.13	13,970.12	24,572.91	26,116.06	27,845.32	119,707.48
Household waste	8,606.95	18,307.89	13,569.36	24,571.78	26,116.06	27,735.58	118,907.62

Rubble Re-used/Recycled

Rubble	0.00	0.00	0.00	0.00	0.00	2,183.84	2,183.84
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Municipal Waste

	2006/07	2007/08	2008/09	% Change
By source/type				2007/08 to 2008/09
Household – tonnes	292,250	281,402	275,226	-2.2
Commercial – tonnes	10,906	10,641	10,043	-5.6
Asbestos – tonnes	102	80	69	
Soil, rubble – tonnes	11,933	10,754	10,168	-13.8
Other		896	941	
Total – tonnes	316,339	303,773	296,447	-2.4
By destination (from WasteDataflow)				
Recycled or composted	98,987	102,228	121,891	19.2
Incinerated				
Landfilled	21,090	20,444	21,423	4.8
Total tonnes	196,262	181,101	153,033	-15.5
Biodegradable municipal waste landfilled	316,339	303,773	296,447	-2.4
	125,905	114,134	95,107	-16.7

LPSA2 Monitoring

2008/09 Out-turn for non BMW Recycling

	Tonnes	Tonnes	Tonnes	Tonnes	Tonnes
	2004/05	2005/06	2006/07	2007/08	2008/09
Glass	8,431	9,913	10,600	11,914	13,945
Fridges and WEEE	981	1,430	2,184	2,276	2,826
Oil	94	93	97	99	75
Batteries	285	306	314	222	200
Metal	5,470	5,381	5,452	4,274	3,792
50% Textiles	296	292	408	465	511
Cans	939	1,008	1,135	1,149	2,222
Non ferrous	9	20	31	38	1
Plastics	159	231	344	553	2,936
Total	16,664	18,674	20,566	20,991	26,508

Target for 2008/09 is 23,000 tonnes. The figure of 26,508 includes about 150 tonnes of non-household recycling which has to be deducted to produce the LPSA2 figure,

County wide outcome for other National indicators

NI 191 – Residual household waste per household

Household waste not sent for recycling, reuse or composting = 156,317.90 tonnes

Households = 235,961

NI191 = 662.47 kg per household

NI 193 Percentage of municipal waste sent to landfill

Municipal waste = 296,446.96 tonnes

Sent to landfill = 153,032.60 tonnes

NI 193 = 51.6%