

**Warwickshire Waste Partnership Forum
7 December 2010**

Waste Management Statistics for 2009/10

**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 waste collection area and handled by each Council during 2009/10. 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 waste collection 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 2009/10

- 2.1 **Household Waste by Waste Collection Area** With regard to **Appendix A** some of the main points are:-

- (a) The overall recycling and composting rate was over 48% which is up 5% on last years rate.
- (b) Total household waste reduced by 2.41% from 2008/09 to 2009/10. Nuneaton and Rugby Borough saw a reduction in kg/ head of waste, whist North Warwickshire and Stratford increased by less than 1kg and Warwick by just 5kg
- (c) The Warwick District area had the lowest kilograms per head in 2009/10 (377kg/head) with North Warwickshire having the highest (483kg/head).

- (d) With respect to Waste Collection Authority performance, Stratford achieved the highest composting and recycling rate at 58.6% followed by Rugby at 51% and Warwick at 49.3%. These Authorities performance has considerably improved since 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 Princes Drive Site in Warwick District had the highest recycling rate of 75.8%. The site with the poorest performance was Judkins in Nuneaton at 49%.
- (f) The highest composting and recycling rate (including Recycling Centre waste) was achieved with the waste generated in Stratford District area at 58% with Warwick District second with 54%. The highest in 2008/9 was Warwick District at 58% and in 2007/08 was Stratford District at 45%.
- (g) Total recycling composting and re-use increased by over 9,700 tonnes compared with 2008/09.
- (h) As indicated in the note on **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 can be seen that Warwickshire is the most improved shire council in 2009/10 in terms of recycling and composting with overall performance increasing by 4.85 percentage points. This is thought to be mainly due to Warwick, Stratford and Rugby now all having a biowaste collection service covering all properties and alternate weekly collection of residual waste.

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 15,713 tonnes. Glass is the second most recycled material at almost 10,148 tonnes.
- (b) Some 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) Warwick District, Stratford District and Rugby Borough all collected biowaste (green and kitchen) amounting to over 38,000 tonnes in 2009/10. 2,225 tonnes of wood and chipboard was sent for composting from Household Waste Recycling Centres.

- (d) It can be seen that only about 220 tonnes of non-household waste is recycled plus 1,440 tonnes of rubble and 487 tonnes of plasterboard 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 1.5% from 2008/09 to 2009/10.
- (b) There was a 19% diversion/ reduction in biodegradable municipal waste (BMW) away from landfill reducing the amount landfilled to 129,006 tonnes. The allocation for 2009/10 excluding surpluses carried forward from previous years was 113,495 tonnes.
- (c) Total waste landfilled reduced by 15.7%.
- (d) The LAA NI 191 target was 620kg per household and the target was met by some margin with the actual for 2009/10 at 588.5kg per household.

3. Financial Implications

3.1 None.

Enquiries: about this report should be made to Laura Vesty, Waste Research and Statistics Officer, 01926 41 8064, e-mail lauravesty@warwickshire.gov.uk or Kitran Eastman, Partnership and Strategy Manager on the same number, e-mail kitraneastman@warwickshire.gov.uk

Background Papers

None

PAUL GALLAND
Strategic Director for Environment and Economy
Shire Hall
Warwick

9 November 2010

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Household Waste Produced by each District area in 2009/10 – Tonnes

	Stratford	Warwick	Rugby	Nuneaton	North W.	Total
Population	117,800	134,600	91,000	121,200	62,200	526,700
Number of households	53715	59582	42401	53,611	26,652	235,961
% by population	22.8	25.3	18	22.7	11.3	
% by households	22.3	26	17	23	11.8	
Waste Collected						
Recycled	14,272 ¹	10,963 ¹	10,575 ¹	8,925 ¹	2,994 ¹	47,728
Reuse	0.00	0.00	3.4	0.00	0.00	3.4
Composted	16487	13432	9,711	8,738	5,116	53,483
Residual/ other	21711	25092	19529	33896	21945	122,173
Total	52,468	49486	39,848	51,552	30,056	223,410
Household waste kilos/head	445	377	438	425	483	
District recycling and composting rate	58.6	49.3	51	34.3	27	45.3
County Council Recycling Centres						
HWS recycled	3420	6439	1885	2781	1238	15,763
HWS composted	2220	5300	1867	1103	1132	11,622
Residual waste from HWS (not including inert)	4395	4702	3173	3173	1473	17,790
Inerts (municipal)	2054	3727	1533	4047	818	10,751
Total County (municipal)	12,090	34,391	10,641	10,549	4661	55,952
Total HH	10,036	16,441	6,925	7930	3843	
Household waste kilos/head	85	122.	76	65	62	
% recycling and composting (household)	56	71	54	49	62	
Charities (recycling or reuse)	106	95	112			313
Trade (from HWRC's)		1412	123			1535
Street sweepings (-25% moisture loss)	364	4375	2039			6778

	Stratford	Warwick	Rugby	Nuneaton	North W.	Total
Combined District and HWRC Waste						
Total household waste 2009/10	62,504	65,927	46,773	59,482	33,899	268,867
Total household waste 2008/09	63,270	65,271	48,187	63,043	34,436	275,105
Total (07/08)	66,986	67,013	47,826	64,017	34,622	280,464
% Change 08/09 to 09/10	-1.21	+1	-2.94	-5.65	-1.56	-2.27
Kilos per head (09/10)	531	490	514	491	545	510
Percentage of total collected by District	84%	75%	85%	87%	89%	83%
	Stratford	Warwick	Rugby	Nuneaton	North W.	Total
Total recycling	17,692	17,402	12,463	11,706	4,232	63,495
Total composting	18,707	18,732	11,578	9,841	6,248	65,106
% Recycling	28	26	27	20	12	24
% Composting	30	28	25	17	18	24
% Recycling and composting	58	54	52	37	30	48
Total composted plus recycled 2009/10	36,399	36,134	24,041	21,547	10,480	128,601
Total composted plus recycled 2008/09	30,952	37,978	16,776	21,877	11,256	118,838
Total composted plus recycling in 2007/08	30,158	26,841	13,237	18,562	10,733	99,530

Note :-

1 District Council figures have been taken from Waste Data Flow, Recycling Credit claims and County Council figures from in house records.

2 Total household waste from Waste Dataflow (WDF) is 268,867 tonnes in 2009/10. In 2008/9 there was 275,105 tonnes of household waste.

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NI192 - Percentage, Recycling, Re-use and Composting

Comparisons with Other Shire Counties

		2009/10	2008/09	2007/08	Change 08/09
		%	%	%	to 09/10 %
	Authority				points
1	Leicestershire County Council	52.64	52.00	48.61	0.64
2	Devon County Council	52.62	51.61	47.30	1.01
3	Cambridgeshire County Council	51.69	51.99	50.97	-0.3
4	Lincolnshire County Council	51.26	50.75	50.51	0.51
5	Suffolk County Council	50.62	48.40	45.89	2.22
6	Dorset County Council	49.59	48.14	45.77	1.45
7	Somerset County Council	48.69	49.15	50.99	-0.46
8	Warwickshire County Council	48.10	43.20	35.39	4.9
9	Staffordshire County Council	48.06	45.56	42.33	2.5
10	Oxfordshire County Council	47.75	43.05	40.24	4.7
11	Hertfordshire County Council	46.40	43.99	38.76	2.41
12	Essex County Council	46.03	43.51	39.82	2.52
13	Surrey County Council	45.71	40.92	35.28	4.79
14	Northamptonshire County Council	45.40	46.04	42.91	-0.64
15	Lancashire County Council	44.95	43.21	41.27	1.74
16	Buckinghamshire County Council	44.54	43.66	41.84	0.88
17	North Yorkshire County Council	44.25	43.16	38.54	1.09
18	Cumbria County Council	43.85	43.11	38.85	0.74
19	Norfolk County Council	43.48	43.07	40.46	0.41
20	West Sussex County Council	42.89	39.93	37.49	2.96
21	Nottinghamshire County Council	42.59	41.59	39.27	1
22	Derbyshire County Council	42.08	41.34	37.56	0.74
23	Worcestershire County Council	41.75	42.56	38.34	-0.81
24	Gloucestershire County Council	41.63	42.01	36.40	-0.38
25	Hampshire County Council	40.66	41.19	40.31	-0.53
26	Kent County Council	38.35	38.65	35.82	-0.3
27	East Sussex County Council	36.76	35.36	33.09	1.4

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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	1,157	2,314	2,567	0	3,425	685	10,148
Paper	1,492	3,538	134	0	4,501	1,190	10,855
Card	27	1,301	0	0	1,766	1,764	4,858
Books	0	0	0	0	0	6	6
Mixed paper & card	0.1	0	7,058	0	0	176	7,234
Cans	212	589	541	0	537	0	1,879
Plastics	13	932	530	0	581	357	2,413
Textiles & footwear	63	112	35	7	126	468	811
Wood	0	0	0	0	0	5,140	5,140
Fridges & freezers	0	0	0	0	0	413	413
Other electrical goods	0	0	0	0	0	2,122	2,122
Other Scrap metal	13	60	0	0	0	3,332	3,405
Fluorescent tubes	0	0	0	0	0	8	8
Aluminium foil	0	0	0	0	0	1	1
Automotive batteries	0	0	0	0	0	159	159
Post consumer, non automotive batteries	0	19	0	0	14	4	37
Vegetable Oil	0	0	0	0	0	4	4
Mineral Oil	0	8	0	0	3	75	86
Other materials/ kerbside	0	0	0	14,414	0	1,956	16,370
Sub Total	2,978	8,874	10,864	14,421	10,951	17,859	65,947
Household waste	2,978	8,874	10,864	14,421	10,951	17,639	65,727

Material Composted	North Warwicks	Nuneaton and Bedworth	Rugby	Stratford	Warwick	WCC	Total
Green waste only	5,256	8,924	387	1,150	0	9,422	25,139
Other compostable waste (chipboard, wood)	0	0	0	0	0	2,225	2,225
Bio waste	0	0	9,600	15,336	13,409	0	38,345
Leaves	0	0	0	0	135	0	135
Sub Total	5,256	8,924	9,986	16,487	13,544	11,619	65,816
Household Waste	5,256	8,924	9,986	16,487	13,544	11,647	65,844

Total Recycled/ Composted	North Warwicks	Nuneaton and Bedworth	Rugby	Stratford	Warwick	WCC	Total
Total	8,234	17,798	20,850	30,908	24,495	37,590	139,875
Household waste	8,234	17,798	20,850	30,908	24,495	37,342	139,627

Rubble Re-used/Recycled							
Rubble, soil and mixed	0	0	0	0	0	1,440	1,440
Plasterboard	0	0	0	0	0	487	487

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Municipal Waste

	2006/07	2007/08	2008/09	2009/10	% Change
By source/type					2008/09 to 2009/10
Household – tonnes	292,250	281,402	275,226	268,458	-2.6
Commercial – tonnes	10,906	10,641	10,043		
Asbestos – tonnes	102	80	69	69.8	0.8
Soil, rubble – tonnes	11,933	10,754	10,168	8,823	-13.2
Other		896	941		
Total – tonnes	316,339	303,773	296,447	292,062	
By destination (from WasteDataflow)					
Recycled or composted	98,987	102,228	121,891	129,336 (hh)	
Incinerated/ RDF	21,090	20,444	21,423	27,247 (hh)	
Landfilled	196,262	181,101	153,033	129,006	-15.7
Total tonnes	316,339	303,773	296,447	292,062	-1.5
Biodegradable municipal waste landfilled	125,905	114,134	95,107	77,084	-19

LPSA2 Monitoring

2009/10 Out-turn for non BMW Recycling

	Tonnes	Tonnes	Tonnes	Tonnes	Tonnes	Tonnes	
	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10	
						Total Including Trade	Trade
Glass	8,431	9,913	10,600	11,914	13,945	10,148	162
Fridges and WEEE (not screens/tubes)	981	1,430	2,184	2,276	2,826	2,535	9
Oil (engine and veg)	94	93	97	99	75	90	
Batteries (car and hh)	285	306	314	222	200	163	
Metal	5,470	5,381	5,452	4,274	3,792	3,405	0.4
Textiles (50%??)	296	292	408	465	511	811	
Cans	939	1,008	1,135	1,149	2,222	1,879	
Plastics	159	231	344	553	2,936	2,413	0.3
Total	16,664	18,674	20,566	20,991	26,508	21,444	172

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 = 139,531.15 tonnes

Households = 235,961

NI191 = 591.33 kg per household

NI 193 Percentage of municipal waste sent to landfill

Municipal waste = 292,062.48 tonnes

Sent to landfill = 129,005.64 tones

NI 193 = 44.2%

LATS - biodegradable municipal waste to landfill

2009/10 allowance = 113,495

Amount sent to landfill = 77,084

Under allowance by 32%