

## Warwickshire Waste Partnership - 3rd October 2006

### Waste Management Statistics for 2005/6

#### 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 2005/06. 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** 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.

## 2. Main Points

- 2.1 As regards **Appendix A** some of the main points are:-
- (a) The overall recycling and composting rate was 29.90%.
  - (b) Total household waste reduced by 0.23% from 2004/5 to 2005/6. There were reductions in each District except Stratford on Avon where there was a small increase.
  - (c) Warwick District had the lowest kilograms per head both in 2004/5 and 2005/6 with North Warwickshire having the highest. The high figure for North Warwickshire may be partly due to the Grendon Recycling Centre receiving waste from the Tamworth area.
  - (d) With respect to District Council performance, Stratford on Avon achieved the highest composting and recycling rate at 38.59% followed by Warwick at 28.13%.

- (e) With respect to Recycling Centre performance, the four sites in Stratford on Avon District achieved the highest rate at an average of 48.87% closely followed by the two sites in Warwick which achieved 47.76%. As last year Burton Farm achieved the highest individual rate at 61.70%. Overall, the recycling performance of Recycling Centres was down compared with 2004/05, from 44.75% to 42.34%. This is considered due to a combination of factors including increased kerbside collections of recyclables/compostables, problems with the recycling of wood and changes in contractors. It is expected that the situation will improve in 2006/07.
- (f) The highest composting and recycling rate was achieved with the waste generated in the Stratford on Avon District area at 40.23%. The highest in 2004/05 was also Stratford on Avon District at 36.02%. The District area which achieved the highest recovery rate (including waste incinerated with energy recovery) was Warwick District at 47.03%. Warwick also achieved the highest rate in 2004/05 at 47.05%.
- (g) All Councils achieved their statutory recycling performance standards for the year. The standard for Warwickshire was 24%.
- (h) Warwickshire's figures have been compared with other authorities. Full national figures are not yet available but in the Midlands area, Gloucestershire composted/recycled 29.83%, Worcestershire 31.49%, Oxfordshire 33.36% and Leicestershire 43%. The high figure for Leicestershire is mainly due to most of its districts now collecting residual waste on an alternate weekly basis. At District level we are aware that some districts are now achieving 50%. As regards kilograms per head, Warwickshire's figures are still relatively high at 550, with the average of 50 published figures being 516. The highest is Cheshire at 620 and the lowest Shire County is Derbyshire at 484.

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

- (a) Household waste recycled/composted increased from 80,397 tonnes in 2004/05 to 86,342 tonnes in 2005/6 which is an increase of 7%.
- (b) The quantity of waste (mainly green) composted increased by 12% from 39,858 tonnes to 44,469 tonnes.
- (c) Other materials where there were significant increases in recycling were glass, which increased by 18% from 8,431 tonnes to 9,913 tonnes, electrical goods, which increased by 46% from 981 tonnes to 1,430 tonnes, separated card (i.e. not mixed with paper), which increased by 59% from 1,081 tonnes to 1,714 tonnes and plastics which increased by 45% from 159 tonnes to 231 tonnes.
- (d) With respect glass, Warwick was the main contributor to the increase, the District collecting an additional 513 tonnes. The recycling of electrical goods increased due to the introduction of the recycling of computer

monitors and televisions. 29,433 units were recycled. Some of these were previously deposited with the scrap metal which explains why this has reduced. Plastics increased due to the introduction of plastic recycling by Stratford on Avon District and additional plastics being separated out at certain Recycling Centres. The latter is being reviewed in a report to the County Council's Cabinet on 12th October.

- (e) The wood recycled reduced by 1,759 tonnes due to problems with finding suitable outlets. However, to compensate for this loss, we were able to compost 397 tonnes of wood arising from Burton Farm at a site in Northamptonshire.

2.3 With respect to **Appendix C**, the main points are:-

- (a) Municipal waste reduced by 0.47% from 2004/5 to 2005/6.
- (b) There was a further 5.2 % diversion of biodegradable municipal waste (BMW) away from landfill reducing the amount landfilled to 136,105 tonnes. This figure has been agreed with the Environment Agency, and is derived from County and District returns using the on-line WasteDataflow system. The figure is 25,002 tonnes less than the target for 2005/6 which means that the surplus allowances can be carried forward into 2006/7. The County is likely to have surplus allowances for the year up to and including 2008/9 and consideration is being given to whether some of these should be sold.

### 3. Prospects for 2006/07

- 3.1 It is expected that quantities of waste will remain fairly static in 2006/7, based on the first few months of the year, and that there will be a modest increase in recycling to about 32%. The Coventry Waste to Energy Plant is working better this year and it is expected that the input will be near the contract minimum of 20,000 tonnes.

**Enquiries:-**about this report should be made to Roy Burton, Operations Manager, Waste Management, 01926 412593, email [royburton@warwickshire.gov.uk](mailto:royburton@warwickshire.gov.uk)

#### **Background Papers**

None.

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18th September 2006

## Warwickshire Waste Partnership - 3rd October 2006

## Waste Management Statistics for 2005/6

## Household Waste Produced by each District area in 2005/2006 - Tonnes

	Stratford	Warwick	Rugby	Nuneaton	North W.	Total
Population mid 2004	116,700	136,300	90,200	120,300	62,000	525,500
<b>District Council</b>						
District collected - tonnes	33,840.95	35,817.85	37,352.85	44,937.06	26,157.47	178,106.18
District composted - tonnes	13,685.86	7,091.73	2,773.83	8,171.30	3,231.16	34,953.88
Sub total - tonnes	47,526.81	42,909.58	40,126.68	53,108.36	29,388.63	213,060.06
District recycled - tonnes	7,576.54	6,927.52	4,748.78	5,786.49	2,941.10	27,980.43
Total District - tonnes	55,103.35	49,837.10	44,875.46	58,894.85	32,329.73	241,040.49
Trade waste - tonnes			2,950.00	2,900.00	2,073.00	7,923.00
Household waste tonnes	55,103.35	49,837.10	41,925.46	55,994.85	30,256.73	233,117.49
Household waste kilos/ head	472	366	465	465	488	444
District recycling rate %	38.59	28.13	17.94	24.93	20.40	27.00
<b>County Council</b>						
Waste received at HWRCs (exclu. Inerts)	5,325.98	10,178.67	5,305.13	7,455.06	3,554.73	31,819.57
HWS recycled - tonnes	3,205.15	5,100.79	1,801.86	1,976.57	1,762.12	13,846.49
HWS composted - tonnes	1,885.72	4,206.26	1,803.16	1,092.30	528.12	9,515.56
Total County - tonnes	10,416.85	19,485.72	8,910.15	10,523.93	5,844.97	55,181.62
Household waste kilos/head	89	143	99	87	94	105
HWRCs - Recycling rate %	48.87	47.76	40.46	29.16	39.18	42.34
<b>Charities (recycling) tonnes</b>	4.04			34.02	7.13	45.19
<b>Schools composting tonnes</b>						0.00
<b>Other general</b>		1.52	435.20			436.72
Total household waste - tonnes	65,524.24	69,324.34	51,270.81	66,552.80	36,108.83	288,781.02
Total (04/05) - tonnes	63,017.55	70,099.94	51,551.23	68,133.79	36,658.71	289,461.22
% Change 04/05 to 05/06	3.98	-1.11	-0.54	-2.32	-1.50	-0.23

	<b>Stratford</b>	<b>Warwick</b>	<b>Rugby</b>	<b>Nuneaton</b>	<b>North W.</b>	<b>Total</b>
Kilos per head (05/06)	561	509	568	553	582	550
Kilos per head (04/05)	547	528	578	566	592	557
% Change 04/05 to 05/06	2.65	-3.67	-1.66	-2.26	-1.62	-1.34
Percentage of total collected by District	84.10	71.89	81.77	84.14	83.79	80.72
	<b>Stratford</b>	<b>Warwick</b>	<b>Rugby</b>	<b>Nuneaton</b>	<b>North W.</b>	<b>Total</b>
Total recycling - tonnes	10,785.73	12,028.31	6,550.64	7,797.08	4,710.35	41,872.11
Total composting - tonnes	15,571.58	11,297.99	4,576.99	9,263.60	3,759.28	44,469.44
Total incinerated - tonnes	0.00	9,278.24	110.12	4,656.63	0.00	14,044.99
% Recycling	16.46	17.35	12.78	11.72	13.04	14.50
% Composting	23.76	16.30	8.93	13.92	10.41	15.40
% Recycling and composting	40.23	33.65	21.70	25.63	23.46	29.90
% Incinerated	0.00	13.38	0.21	7.00	0.00	4.86
% Recovery (recycling,comp, incin.)	40.23	47.03	21.92	32.63	23.46	34.76
Total composted plus recycled - tonnes	26,357.31	23,326.30	11,127.63	17,060.68	8,469.63	86,341.55

## Note

1. Mid 2003 population estimates are used for 2004/05 and mid 2004 for 2005/06. These are the figures used for Best Value Performance Indicator (BVPI) calculations for the respective years.
2. The totals have been adjusted for 1,150.29 tonnes of sweepings which Nuneaton and Bedworth Borough Council (NBBC) accepted on behalf of North Warwickshire Borough Council (NWBC). NWBC figures have been increased and Nuneaton's figures reduced accordingly.
3. In reporting BVPIs, District Councils can exclude flytipped waste which results in the recycling rates reported by Districts being higher and kilograms per head lower.

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### Recycling and Composting of Household Waste in Warwickshire in 2005/2006 - 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
<b>County Council Sites</b>															
Grendon	18.11	39.98	145.44	12.85	35.01	600.84	31.50		0.25	159.09	2.12	716.93	1762.12	528.12	2290.24
Hunters Lane	45.87	70.34	223.00	20.08	63.21	894.26	14.51	2.29	18.72	263.60	11.18	174.80	1801.86	1,803.16	3605.02
Burton Farm	105.44	269.19	213.67	6.96	36.98	597.44	47.88	3.17		268.53	35.41	344.45	1929.12	1,130.68	3059.80
Stockton	6.34	7.39	26.10	2.70		120.60	1.71			14.90		9.34	189.08	91.92	281.00
Princes Drive	340.02	352.45	346.01	16.63	47.90	1319.15	37.65	0.00	0.00	440.65	40.03	503.23	3443.72	2,756.96	6200.68
Judkins	20.00	49.60	191.19	15.96	38.06	825.64	52.70			182.64		600.78	1976.57	1,092.30	3068.87
Cherry Orchard	226.51	229.14	94.47	8.06	21.66	479.99	37.51	24.82		198.72	40.04	296.15	1657.07	1,449.30	3106.37
Shipston	74.28	72.39	69.00	3.68		272.27	3.52	2.41	0.68	97.66	16.04	24.26	636.19	398.66	1034.85
Wellesbourne	65.03	98.80	22.61	2.20	18.00	120.87	3.88	2.55		87.74	12.15	16.93	450.76	264.46	715.22
<b>Sub Total</b>	<b>901.60</b>	<b>1189.28</b>	<b>1331.49</b>	<b>89.12</b>	<b>260.82</b>	<b>5231.06</b>	<b>230.86</b>	<b>35.24</b>	<b>19.65</b>	<b>1713.53</b>	<b>156.97</b>	<b>2686.87</b>	<b>13846.49</b>	<b>9,515.56</b>	<b>23362.05</b>
04/05 Totals	949.26	1247.47	878.58	88.93	251.99	5309.09	199.39	14.47	8.52	1080.83	114.52	4446.17	14589.22	10,733.53	25322.75
<b>District Council Sites</b>															
(based on credits paid)															
Warwick	1904.28	4767.81		3.26	10.21		75.69	166.27					6927.52	7,091.73	14019.25
Stratford	2671.60	4709.20						177.11			18.63		7576.54	13,685.86	21262.40
Nuneaton & Bedworth	1746.07	3469.58	98.52	0.78	35.27	106.70	109.31	220.26					5786.49	8,171.30	13957.79
North Warwickshire	1029.33	1547.31				42.84	111.39	210.23					2941.10	3,231.16	6172.26
Rugby	1660.59	2778.10					55.82	198.54			55.73		4748.78	2,773.83	7522.61
<b>Sub Total</b>	<b>9011.87</b>	<b>17272.00</b>	<b>98.52</b>	<b>4.04</b>	<b>45.48</b>	<b>149.54</b>	<b>352.21</b>	<b>972.41</b>	<b>0.00</b>	<b>0.00</b>	<b>74.36</b>	<b>0.00</b>	<b>27980.43</b>	<b>34,953.88</b>	<b>62934.31</b>
04/05 Totals	7481.92	16762.56	102.83	4.80	32.65	161.14	393.07	924.34	0.00	0.00	44.79	0.00	25908.10	29,124.06	55032.16

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	
<b>Third Parties</b>																
(based on credits paid)																
Dale Street Scouts																0.00
Rokeby First School																0.00
The Trefoil Guild		34.02														0.00
Welford Scouts		4.04														0.00
Clinton Combined																0.00
Newton Regis																0.00
Cubbington C of E																0.00
Alcester Lions Club																0.00
Woodland Trust		7.13														0.00
																0.00
<b>Sub Total</b>		<b>45.19</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>45.19</b>			45.19
04/05 Totals		41.75					0.00	0.00					41.75			41.75
<b>Grand Total</b>	<b>9913.47</b>	<b>18506.47</b>	<b>1430.01</b>	<b>93.16</b>	<b>306.30</b>	<b>5380.60</b>	<b>583.07</b>	<b>1007.65</b>	<b>19.65</b>	<b>1713.53</b>	<b>231.33</b>	<b>2686.87</b>	<b>41872.11</b>	<b>44469.44</b>		<b>86341.55</b>
0405 Totals	8431.18	18051.78	981.41	93.73	284.64	5470.23	592.46	938.81	8.52	1080.83	159.31	4446.17	40539.07	39857.59		80396.66

## Notes

1. 1.40 tonnes of Batteries for Burton farm are household batteries
2. 1.18 tonnes of oil for Burton Farm is vegetable oil
3. 13.38 tonnes of Rugby's paper is yellow pages
4. 26.39 tonnes of Warwick's paper is yellow pages
5. Note increase in glass, increase in Waste Electrical and Electronic Equipment (WEEE), increase in card, increase in plastics, reduction in wood.
6. The wood figure for Burton Farm excludes wood composted.

**Warwickshire Waste Partnership - 3rd October 2006**

**Waste Management Statistics for 2005/6**

**Municipal Waste**

	2003/04	2004/05	2005/06	% Change
				2004/05 to 2005/06
Household - tonnes	269,310	289,461	288,781	-0.23
Commercial - tonnes	12,281	12,051	11,774	-2.30
Asbestos - tonnes	119	165	188	13.94
Soil, rubble - tonnes	15,083	13,428	12,951	-3.55
Other		61		
Total - tonnes	296,793	315,166	313,694	-0.47
Biodegradable municipal waste landfilled	154,004	143,625	136,105	-5.24