

# Warwickshire Waste Partnership

10 September 2013

## Waste Management Statistics for 2012/13

### Recommendation

That members note the overall reduction in waste during the 2012/13 year, and the individual tonnage changes in the various types of waste.

### 1.0 Introduction

- 1.1 This report for the 2012/13 year shows: the total tonnes of waste and recycling for the Warwickshire Waste Partnership as a whole, the waste & recycling produced by each partner authority and the position in relation to other shire waste disposal authorities nationally.
- 1.2 **Appendix A** shows the overall figures for Warwickshire.  
**Appendix B** shows the waste & recycling for each partner authority.  
**Appendix C** provides further information on the quantities by type of municipal waste handled and treatment destinations.  
**Appendix D** compares our partnership/county area with the other 25 shire counties (to be supplied at the meeting due to data not yet being available).

### 2.0 Main Points for 2012/13

- 2.1 **Overall figures for Warwickshire Waste Partnership.** With regard to **Appendix A** - some of the main points are:-

#### **Household Waste**

- (a) **Table 1** - The overall household recycling and composting rate has increased from 48.6% (2011/12) to 52.5% (2012/13). This is due to an increase in green waste tonnage which rose by 4,583 tonnes, mainly due to the very wet summer weather. We also had a further contribution by all the authorities to generate an extra 4,802 tonnes of recyclables.
- (b) Total household waste tonnages reduced by 592 tonnes from 2011/12 to 2012/13.
- (c) **Figure 1** - The amount of household waste sent to landfill decreased by 10,669 tonnes (11.6%) in part due to inert waste being sent for reuse. The amount of waste sent for energy recovery increased by 2%.

- (d) Total household waste (including recyclables) shown in **Table 1**, by head of population, reduced from 471kg in 2011/12 to 461kg in 2012/13. The residual (non-recyclable) proportion of this waste decreased by 22kg per head to 219.5kg per head

#### **Municipal Waste**

- (e) **Table 2** - Total municipal waste reduced by 2,511 tonnes resulting in a 3.0% reduction in waste by head of population. The residual proportion decreased by 13.5%
- (f) **Figure 3** shows increase in recycling and composting and reduction in landfill
- (g) The municipal waste per head fell from 510kg per head to 494kg per head as show in **Figure 4**

### **2.2 Household Waste Performance Statistics by Partner Authority.**

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

- (a) **Table 3** shows that; recycling rates increased in two authorities, (Nuneaton and Bedworth and Warwick), and stayed the same in the other three authorities, (North Warwickshire, Stratford and Rugby).
- (b) The total amount of residual household waste decreased in all authorities except for North Warwickshire where there we saw a 10 Kg's per head increase.
- (c) Warwick has the lowest residual household waste per head, 152kg's, compared to North Warwickshire which has the highest with 290kgs per head.
- (d) **Figure 5** highlights that when it comes to total household waste, Nuneaton and Bedworth have seen the largest decrease this year – and they also saw the biggest fall in household waste per head of population from 393kg to 369kg as shown in **Figure 6**
- (e) **Figure 7** illustrates the split between recycling, composting and residual waste tonnes per head of population for each authority.

### **2.3 Municipal Waste, Landfill Allowance Trading Scheme (LATS).** With respect to **Appendix C**, the main points are:-

- (a) Municipal waste decreased by nearly 1% from 2011/12 to 2012/13.
- (b) There was a small increase in tonnages sent to energy from waste
- (c) Total waste landfilled decreased by over 14% in part due to inert waste being sent for reuse
- (d) Biodegradable municipal waste landfilled in 2012/13 totalled 50,763 tonnes which is comfortably within Warwickshire County Council's LATS allowance for the year of 75,596 tonnes.

**2.4 Waste Statistics, comparison with other shire authority areas – please see Appendix D** the main points are:

- (a) Warwickshire is now in the top quartile for the percentage of waste reused, recycled and composted (NI 192) and for the amount of waste sent for composting (BV 82b). In the previous year (2011/12) Warwickshire was in the second quartile for both of these indicators.
- (b) For recycling (BV 82a) Warwickshire remains in the third quartile (position 15 out of the 26 shire authorities). This compares to third quartile (position number 18 out of 26) for 2011/12.
- (c) Warwickshire is in the second quartile for both household waste to landfill (BV 82d), municipal waste to landfill (NI 193) and household waste sent to energy from waste (BV 82d).
- (d) For residual waste collected per head (NI 191) Warwickshire has gone up from third quartile in 2011/12 to second quartile (going from position 15 to position number 10 out of 26), and
- (e) For total waste collected per head (BV 84a), Warwickshire is again in the bottom quartile (remaining at 21st out of 26).

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## Appendix A of Agenda No 6

### Warwickshire Waste Partnership September 2013

#### Waste Statistics 2012-13

*Table 1 – Household Waste Summary Figures*

Household Waste	Household Waste (tonnes)	2010-11		2011-12		2012-13	
		Tonnes	%	Tonnes	%	Tonnes	%
	<b>Recycling (BVPI 82a)</b>	61,848	<b>23.4</b>	61,338	<b>24.3</b>	66,140	<b>26.2</b>
	<b>Composting (BVPI 82b)</b>	67,835	<b>25.7</b>	61,583	<b>24.4</b>	66,166	<b>26.2</b>
	<b>Total Re-use, Recycling, Composting (NI 192)</b>	129,733	<b>49.2</b>	123,097	<b>48.6</b>	132,306	<b>52.5</b>
	<b>Energy Recovery (BVPI 82c)</b>	48,447	<b>18.4</b>	38,628	<b>15.3</b>	39,433	<b>15.6</b>
	<b>Landfill (BVPI 82d)</b>	85,631	<b>32.5</b>	91,216	<b>36.1</b>	80,547	<b>31.9</b>
	<b>Total Household Waste</b>	263,859		252,878		252,286	
	Population	535,100		536,000		546,600	
	Total hh waste per head (kg) <b>(Overall hh waste)</b> <b>(BVPI 84a)</b>	493.10		471.79		461.20	
	Residual hh waste per head (kg) <b>(Total hh waste minus recyclables)</b>	250.57		242.25		219.50	

Figure 1 – Household waste broken down by treatment method

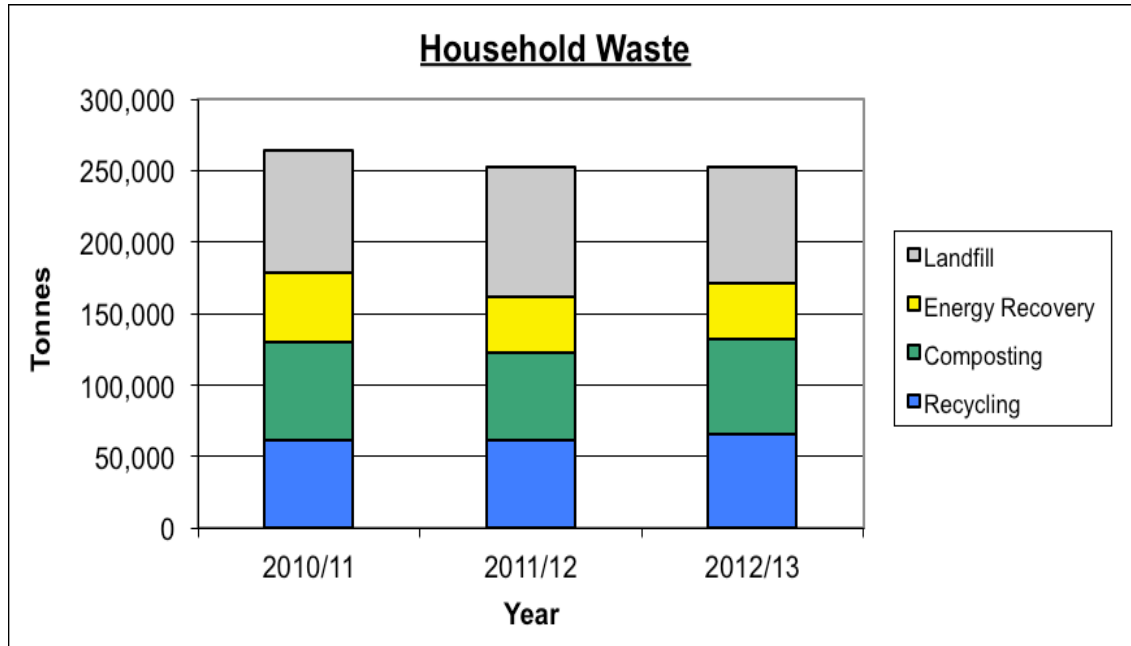


Figure 2 – Household waste per head

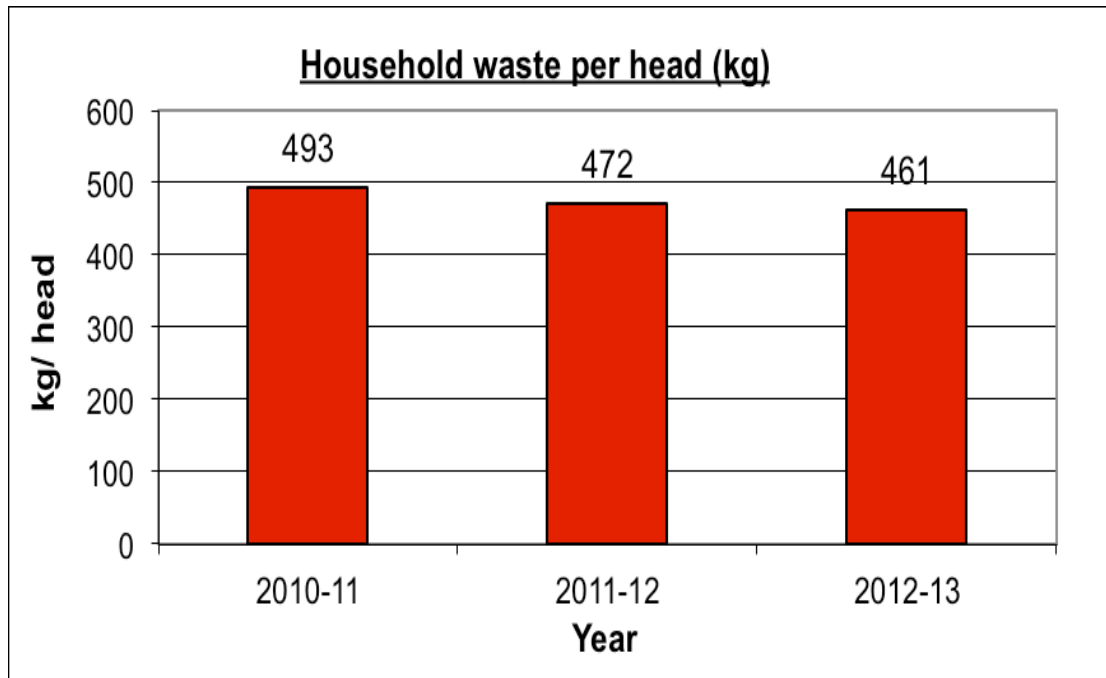


Table 2 – Municipal Waste Summary Figures

	Municipal Waste	2010-11		2011-12		2012-13	
		Tonnes	%	Tonnes	%	Tonnes	%
	<b>Total Re-use, Recycling, Composting</b>	132,415	<b>46.8</b>	126,807	<b>46.5</b>	141,565	<b>52.4</b>
	<b>Energy Recovery</b>	54,666	<b>19.3</b>	43,979	<b>16.1</b>	41,194	<b>15.2</b>
	<b>Landfill (NI193)</b>	95,713	<b>33.8</b>	101,896	<b>37.4</b>	87,412	<b>32.4</b>
<b>Municipal Waste</b>	<b>Total Municipal Waste</b>	282,794		272,682		270,171	
	<b>Population</b>	535,100		536,000		546,600	
	<b>Total waste per head (kg) (Overall Municipal Waste)</b>	528.49		508.74		494.00	
	<b>Residual waste per head (kg) (Overall Municipal Waste minus Recyclables)</b>	281.03		272.15		235.28	

Figure 3 – Municipal waste by treatment method

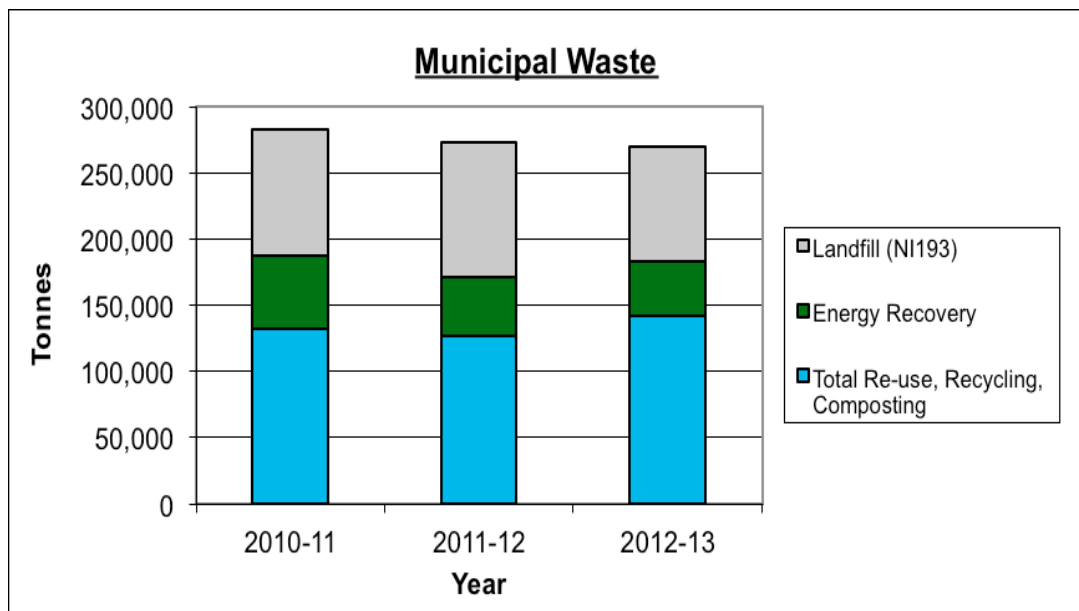
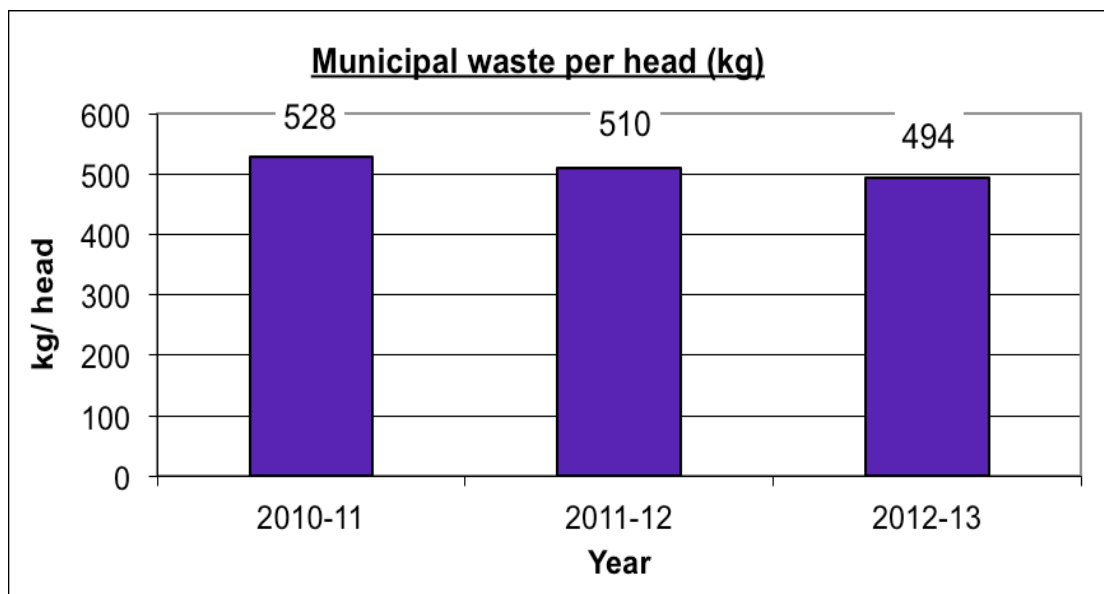


Figure 4 – Municipal waste per head



**Warwickshire Waste Partnership  
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Waste Statistics 2012-13**

**Table 3 – Authority Performance - Household Waste**

	North Warwickshire		Nuneaton and Bedworth		Rugby		Stratford		Warwick		Warwickshire (HWRC)		Warwickshire Total	
	2011/12	2012/13	2011/12	2012/13	2011/12	2012/13	2011/12	2012/13	2011/12	2012/13	2011/12	2012/13	2011/12	2012-13
Population	61,900	62,100	122,000	125,400	94,200	100,500	119,000	120,800	138,800	137,700	536,000	546,600	536,00	546,600
Recycling Rate	3,569 14%	3,789 14%	9,155 19%	10,624 23%	10,180 25%	10,271 25%	14,040 27%	14,306 27%	10,950 22%	12,674 26%	13,444	14,476	61,338 25%	66,140 26%
Composting Rate	4,840 19%	5,384 20%	8,017 17%	10,225 22%	9,494 23%	10,609 26%	15,376 30%	17,301 33%	13,376 28%	14,711 31%	10,480	7,936	61,583 24%	66,166 26%
Recycling, Composting and Reuse Rate	8,409 33%	9,173 34%	17,174 36%	20,762 45%	19,678 48%	20,885 51%	29,418 57%	31,609 60%	24,325 50%	27,148 57%	24,093	22,729	123,097 49%	132,306 52%
Residual	17,345 280kg/ head	18,017 290kg/ head	30,497 250kg/ head	25,550 203kg/ head	21,210 225kg/ head	20,556 204kg/ head	21,956 184kg/ head	20,826 172kg/ head	24,066 173kg/ head	20,883 152kg/ head	14,770	14,148	129,844 51%	119,980 48%
Total	25,754 416kg/ head	27,190 437kg/ head	47,671 393kg/ head	46,312 369kg/ head	40,888 434kg/ head	41,441 412kg/ head	51,374 432kg/ head	52,434 434kg/ head	48,391 349kg/ head	48,031 348kg/ head	38,800	36,878	252,878	252,286



Figure 5 – Residual household waste per head of population

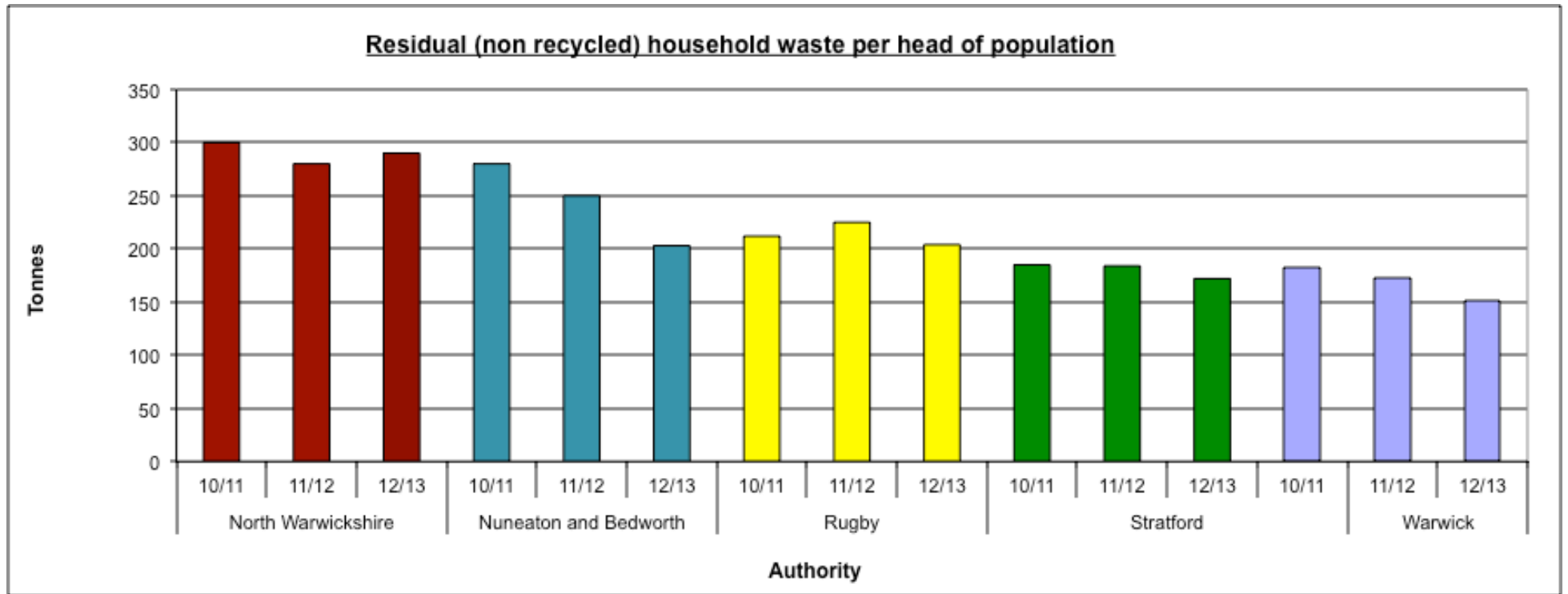


Figure 6 - Total household waste per head of population

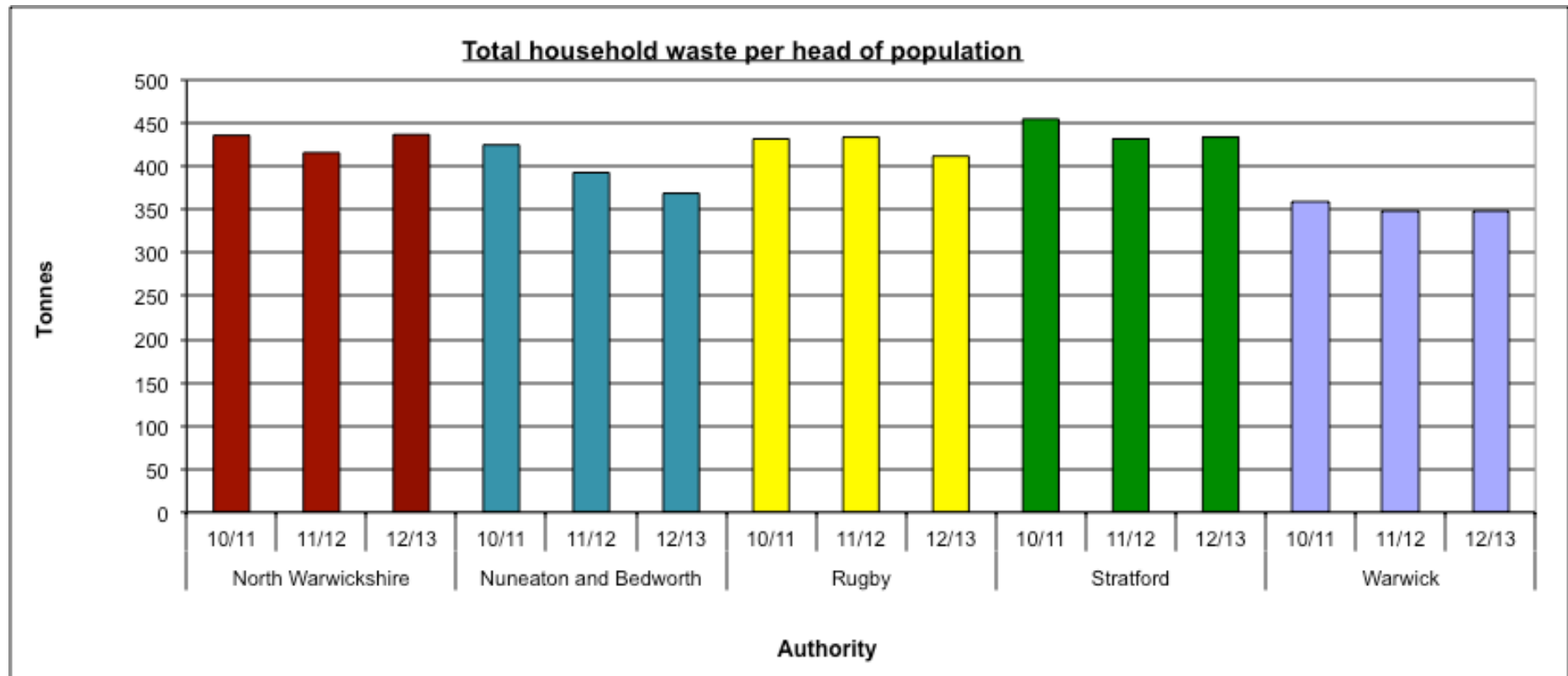
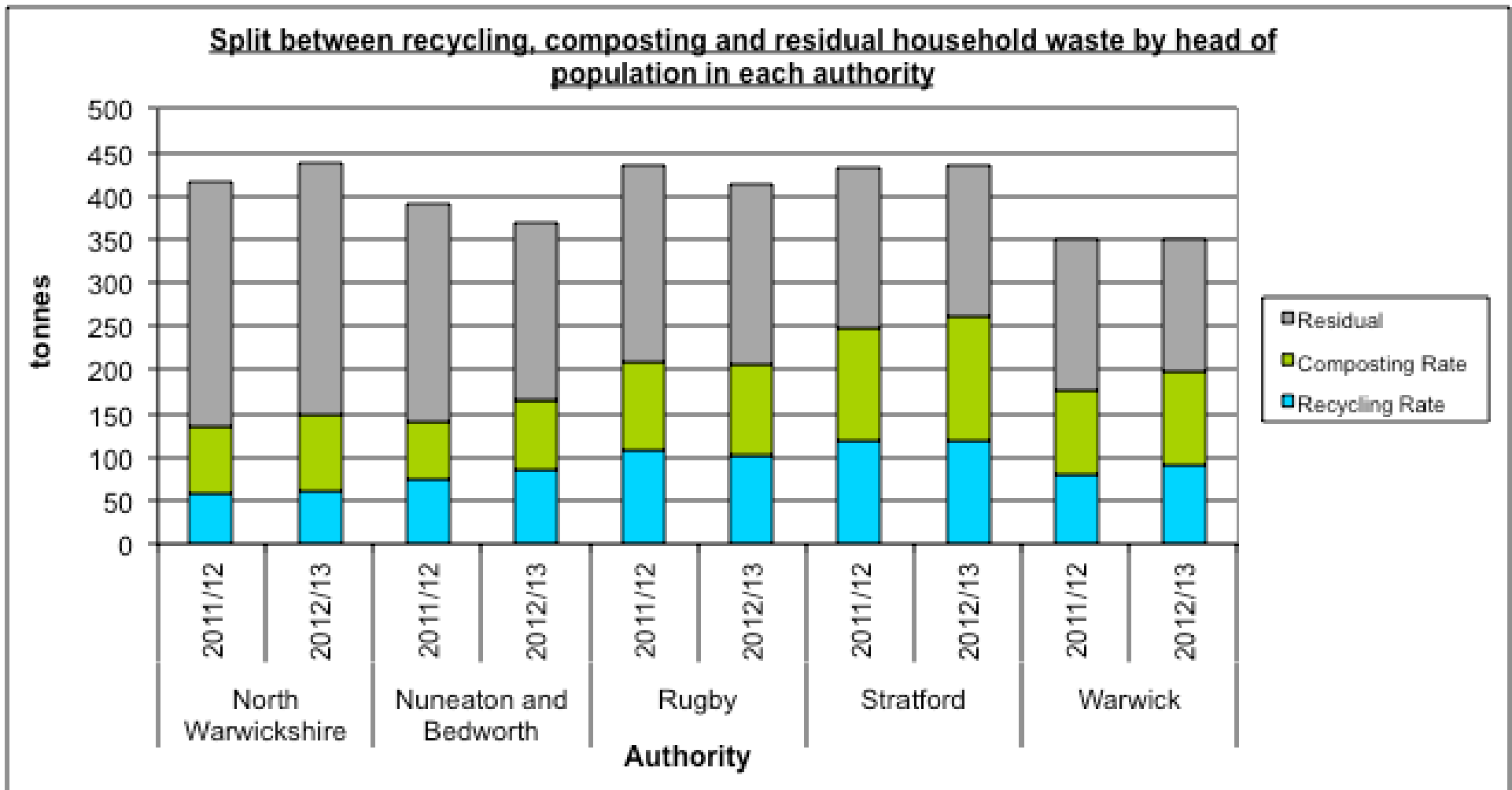


Figure 7 – Split between recycling, composting and residual waste by head of population in each authority



## Appendix C of Agenda No 6

### Warwickshire Waste Partnership– September 2013

#### Waste Statistics for 2012/13

##### Municipal Waste

	2010/11	2011/12	2012/13	% Change
<b>By source/type</b>				2011/12 to 2012/13
Household – tonnes	263,859	252,878	252,286	-0.2%
Commercial – tonnes	5,627	7,937	7,547	-4.9%
Asbestos – tonnes	74.6	49.6	40.7	-17.9%
Soil, rubble – tonnes	13,233	11,817	7,874	-33.4%
Total – tonnes	282,794	272,682	270,171	-0.9%
<b>By destination (from WasteDataflow)</b>				
Recycled or composted	129,773 (hh)	123,097 (hh)	132,306 (hh)	+7.5%
Energy from Waste	48,447 (hh)	38,628 (hh)	39,433 (hh)	+2.1%
Landfilled	95,713	101,896	87,412	-14.2%
Total tonnes	282,794	272,682	270,171	-0.9%
Biodegradable municipal waste landfilled	66,093	62,543	51,137	-18.2%

## Appendix D

	High aim	High aim	High aim	Low aim	Low aim	High aim	Low aim	Low aim		
WasteDataFlow - 2012/13 full year (extracted from WDF (23/08/2012))	Recycling BV 82a	Composting BV 82b	Energy BV 82c	HH landfill BV 82d	kg/hh NI 191	RRC NI 192	Mun landfill NI 193	kg/head BV 84a		
Buckinghamshire County Council	27.59%	19.90%	0.09%	52.37%	571.11	47.61%	55.25%	452.53	1	Best
Cambridgeshire County Council	27.43%	25.84%	0.00%	40.07%	499.76	53.90%	39.44%	457.50	2	
Cumbria County Council	27.50%	17.99%	10.63%	31.18%	541.70	45.93%	29.82%	476.55	3	Worst
Derbyshire County Council	24.39%	20.85%	12.62%	42.03%	545.87	45.49%	42.48%	449.67	4	
Devon County Council	28.47%	26.14%	0.00%	45.23%	455.13	54.82%	46.13%	472.75	5	
East Sussex County Council	19.94%	18.72%	54.73%	6.57%	596.85	39.20%	6.53%	450.06	6	
Essex County Council	28.27%	23.71%	0.66%	47.10%	503.47	52.05%	49.57%	459.17	7	
Gloucestershire County Council	26.44%	21.46%	0.31%	51.79%	497.73	48.07%	53.86%	434.08	8	
Hampshire County Council	23.66%	14.21%	55.93%	6.14%	625.43	38.68%	6.27%	432.46	9	
Hertfordshire County Council	21.18%	24.11%	20.01%	34.72%	563.93	45.55%	36.09%	435.35	10	
Kent County Council	24.77%	16.27%	37.07%	21.89%	598.63	41.03%	21.05%	442.12	11	
Lancashire County Council	27.64%	21.15%	1.70%	41.36%	505.30	48.22%	45.17%	436.39	12	
Leicestershire County Council	25.66%	29.65%	14.10%	26.99%	492.70	55.46%	31.52%	471.93	13	
Lincolnshire County Council	27.70%	23.58%	1.42%	47.91%	496.70	51.35%	47.09%	468.06	14	
Norfolk County Council	25.74%	18.11%	10.56%	44.99%	519.92	43.98%	45.76%	435.52	15	
North Yorkshire County Council	24.00%	21.39%	0.00%	54.61%	585.77	45.68%	56.88%	493.34	16	
Northamptonshire County Council	22.88%	23.15%	5.66%	48.31%	562.32	46.21%	46.99%	454.89	17	
Nottinghamshire County Council	27.25%	15.44%	16.82%	40.49%	583.63	42.69%	39.65%	455.18	18	
Oxfordshire County Council	32.80%	26.84%	0.24%	40.11%	409.94	59.79%	42.06%	424.91	19	
Somerset County Council	25.98%	24.12%	1.60%	48.39%	492.99	50.31%	48.64%	452.01	20	
Staffordshire County Council	27.13%	26.46%	23.92%	22.58%	495.77	53.63%	22.25%	460.69	21	
Suffolk County Council	28.88%	23.33%	0.43%	47.19%	479.62	52.37%	48.20%	455.24	22	
Surrey County Council	29.31%	22.75%	37.49%	9.90%	504.23	52.13%	9.76%	441.97	23	
Warwickshire County Council	26.21%	26.22%	15.62%	31.91%	500.36	52.34%	32.81%	461.75	24	
West Sussex County Council	25.72%	16.70%	18.25%	39.04%	594.35	42.61%	38.20%	461.22	25	
Worcestershire County Council	29.54%	13.81%	5.40%	52.34%	570.15	43.54%	49.27%	444.13	26	

	Recycling BV 82a	Composting BV 82b	Energy BV 82c	HH landfill BV 82d	kg/hh NI 191	RRC NI 192	Mun landfill NI 193	kg/head BV 84a
Warwickshire position	15th out of 26	4th out of 26	9th out of 26	8th out of 26	10th out of 26	7th out of 26	8th out of 26	21st out of 26
Quartile	3rd	Top	2nd	2nd	2nd	Top	2nd	Bottom
2011/12 Quartile position	3rd	2nd	Top	2nd	3rd	2nd	2nd	Bottom