

Warwickshire Waste Partnership

18 September 2012

Waste Management Statistics for 2011/12

Recommendation

That members note the overall reduction in waste during the 2011/12 year, and the individual tonnage changes in the various types of waste

1.0 Introduction

- 1.1 The report for the 2011/12 year shows: the total waste and recycling for Warwickshire Waste Partnership as a whole, the waste and recycling produced by each partner authority and the position in relation to other waste disposal authorities nationally.
- 1.2 **Appendix A** shows the overall figures for Warwickshire.
Appendix B shows the waste and 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.

2.0 Main Points for 2011/12

2.1 Overall figures for Warwickshire Waste Partnership

With regard to **Appendix A**, some of the main points are:

Household Waste

- (a) The overall household recycling and composting rate has decreased from 49.2% (2010/11) to 48.6% (2011/12). This is due to a decrease in green waste tonnage which fell by 6,252 tonnes. This is believed to be attributed to the dry summer weather.
- (b) Total household waste tonnages reduced by 10,981 tonnes or 4.2% from 2010/11 to 2011/12.
- (c) The amount of household waste sent to landfill increased by 6.5% and this was due to commitments within Warwickshire County Council contracts. The amount of waste sent for energy recovery decreased by 20.2%.
- (d) Total household waste (including recyclables), by head of population, reduced by over 4.3%. The residual (non-recyclable) proportion of this waste decreased by over 3.3% per head.

Municipal Waste

- (e) Total municipal waste reduced by 10,112 tonnes (less of a reduction compared to household waste which is due to an increase of 869 tonnes in the non-household element of this waste stream), resulting in a 3.7% reduction in waste by head of population. The residual proportion decreased by 3.2%

2.2 Household Waste Performance Statistics by Partner Authority

With regard to **Appendix B**, some of the main points are:

- (a) **Table 1** shows that: recycling rates increased in two authorities (Nuneaton and Bedworth and North Warwickshire), stayed the same in two authorities, (Stratford and Warwick) and fell slightly in one authority (Rugby). The recycling also increased at the HWRCs. The overall county recycling rate increased by nearly 1%. Composting rates increased in two authorities (Nuneaton and Bedworth and Warwick), stayed the same in one authority (North Warwickshire) and decreased in two authorities (Rugby and Stratford). The composting rate also decreased at the HWRCs. The overall county composting rate decreased by just under 1%.
- (b) The total amount of residual household waste decreased in all authorities except for Rugby where there was an increase of 7.4% from 2010/11 to 2011/12. The HWRCs also saw an increase in household waste of 10% from 2010/11 to 2011/12.
- (c) Warwick has the lowest residual household waste per head, 173kgs, compared to North Warwickshire which has the highest with 280kgs per head.
- (d) **Figure 2** highlights that when it comes to total household waste, Nuneaton and Bedworth has seen the largest decrease this year, 7.5%.
- (e) **Figure 3** 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 regard to **Appendix C**, the main points are:

- (a) Municipal waste decreased by 3.6% from 2010/11 to 2011/12.
- (b) There was a large decrease in tonnages sent to energy from waste, down over 20%, mainly due to increased tonnages sent to landfill (due to contractual obligations) and the end of refused derived fuel (RDF) contract.
- (c) Total waste landfilled increased by 6.5%.
- (d) Biodegradable municipal waste landfilled in 2011/12 totalled 62,543 tonnes which is comfortably within Warwickshire County Council's LATS allowance for the year of 122,997 tonnes.

2.4 Waste Statistics, comparison with other shire authority areas

With regard to **Appendix D**, the main points are:

- (a) Warwickshire is in the top quartile for the percentage of waste sent to energy from waste
- (b) For another four indicators, Warwickshire is in the second quartile, namely: composting, household waste to landfill, reuse recycling and composting, and municipal waste to landfill
- (c) For recycling and kg/household, Warwickshire is in the third quartile
- (d) For kg/head, Warwickshire is in the bottom quartile

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Table 1 – Household Waste Summary Figures

Household Waste (tonnes)	2009-10		2010-11		2011-12	
	Tonnes	%	Tonnes	%	Tonnes	%
Recycling (BVPI 82a)	63,871	23.8	61,848	23.4	61,338	24.3
Composting (BVPI 82b)	65,116	24.3	67,835	25.7	61,583	24.4
Total Re-use, Recycling, Composting (NI 192)	129,336	48.1	129,733	49.2	123,097	48.6
Energy Recovery (BVPI 82c)	27,247	10.1	48,447	18.4	38,628	15.3
Landfill (BVPI 82d)	112,174	41.8	85,631	32.5	91,216	36.1
Total Household Waste	268,458		263,859		252,878	
Population	526,700		535,100		536,000	
Total hh waste per head (kg) (Overall hh waste)	509.70		493.10		471.79	
Residual hh waste per head (kg) (Total hh waste minus recyclables)	264.71		250.57		242.25	

Figure 1 – Household waste broken down by treatment method

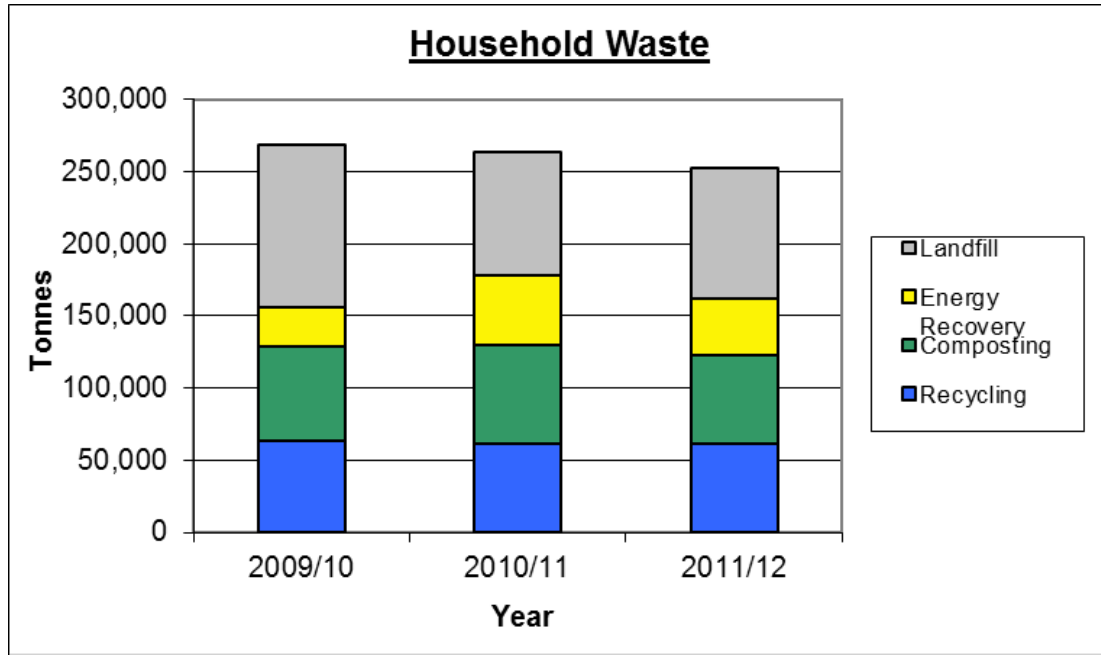


Figure 2 – Household waste per head

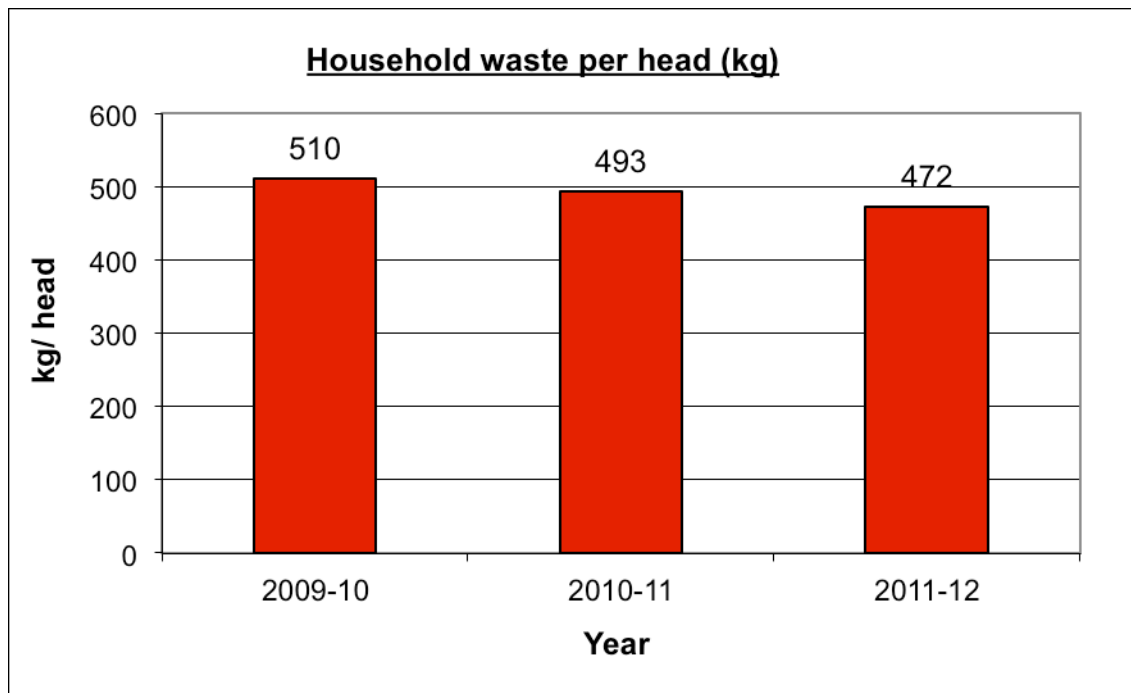


Table 2 – Municipal Waste Summary Figures

Municipal Waste	Municipal Waste	2009-10		2010-11		2011-12	
		Tonnes	%	Tonnes	%	Tonnes	%
	Total Re-use, Recycling, Composting	131,956	45.2	132,415	46.8	126,807	46.5
Energy Recovery	31,101	10.6	54,666	19.3	43,979	16.1	
Landfill (NI193)	129,006	44.2	95,713	33.8	101,896	37.4	
Total Municipal Waste	292,062		282,794		272,682		
Population	526,700		535,100		536,000		
Total waste per head (kg) (Overall Municipal Waste)	554.51		528.49		508.74		
Residual waste per head (kg) (Overall Municipal Waste minus Recyclables)	303.98		281.03		272.15		

Figure 3 – Municipal waste by treatment method

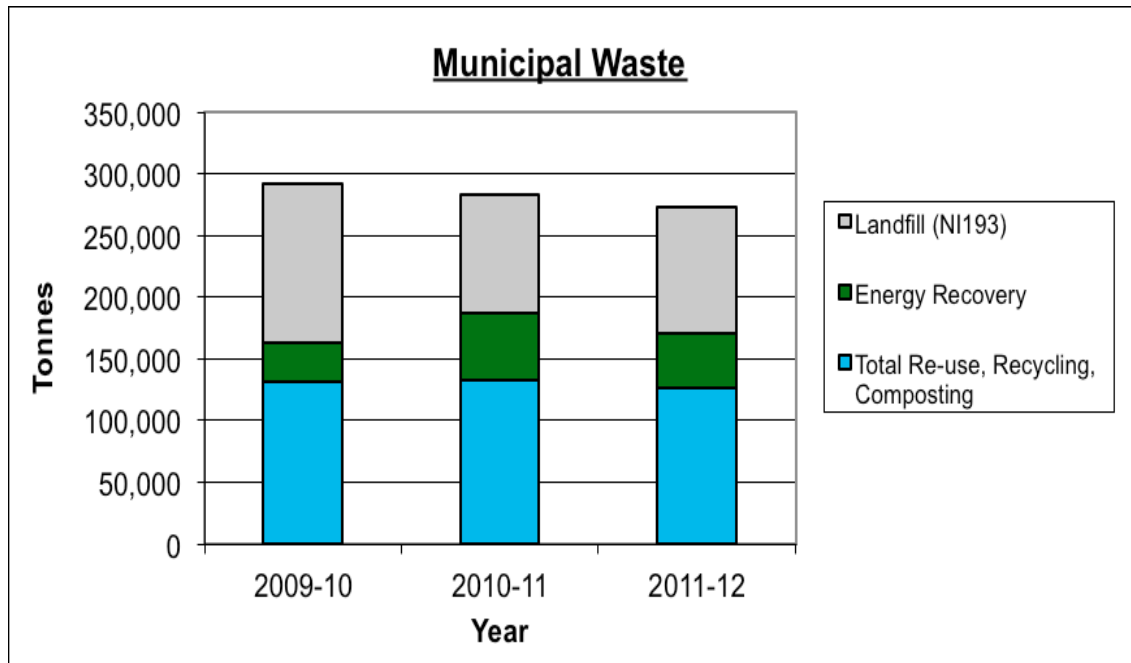


Figure 4 – Municipal waste per head

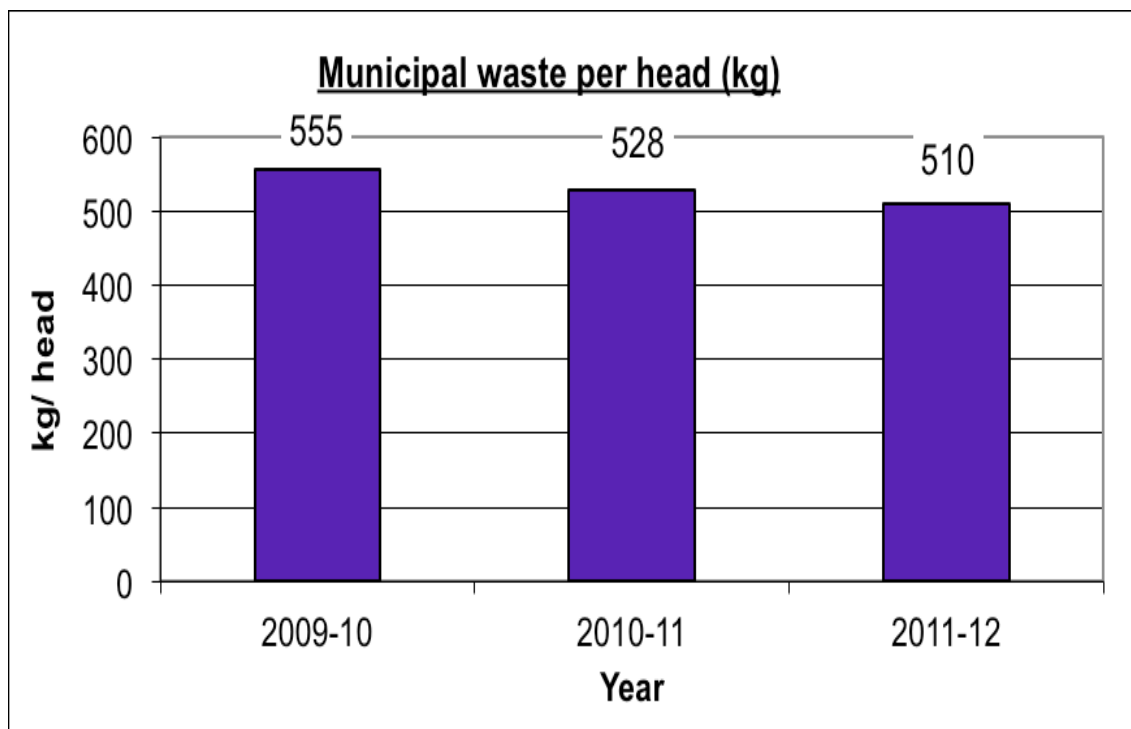


Table 1 – Authority Provisional Performance – Household Waste

	North Warwickshire		Nuneaton and Bedworth		Rugby		Stratford		Warwick		HWRCs		Warks Total	
	2010/11	2011/12	2010/11	2011/12	2010/11	2011/12	2010/11	2011/12	2010/11	2011/12	2010/11	2011/12	2010/11	2011/12
Population	61,900	61,900	122,000	122,000	93,300	94,200	118,900	119,000	139,000	138,800	535,100	536,000	535,100	536,000
Recycling Rate	3,325	3,569	8,598	9,155	10,621	10,180	14,686	14,040	10,946	10,950	13,671	13,444	61,847	61,338
	12%	14%	17%	19%	26%	25%	27%	27%	22%	22%	34%	35%	23%	24%
Composting Rate	5,131	4,840	8,330	8,017	9,973	9,494	17,380	15,376	13,613	13,376	13,408	10,480	67,835	61,583
	19%	19%	16%	17%	25%	23%	32%	30%	27%	28%	33%	27%	26%	25
Recycling, Composting and Reuse Rate	8,456	8,409	16,929	17,174	20,598	19,678	32,076	29,418	24,559	24,325	27,115	24,093	129,733	123,097
	31%	33%	33%	36%	51%	48%	59%	57%	49%	50%	67%	62%	49%	49%
Residual	18,556	17,345	34,866	30,497	19,743	21,210	22,005	21,956	25,486	24,066	13,569	14,932	134,225	130,006
	300kg/head	280kg/head	286kg/head	250kg/head	212kg/head	225kg/head	185kg/head	184kg/head	183kg/head	173kg/head				
Total	27,012	25,754	51,795	47,671	40,336	40,888	54,069	51,374	50,046	48,391	40,700	39,025	263,958	253,103
	436kg/head	416kg/head	425kg/head	393kg/head	432kg/head	434kg/head	455kg/head	432kg/head	360kg/head	349kg/head				

Figure1 – Residual household waste per head of population

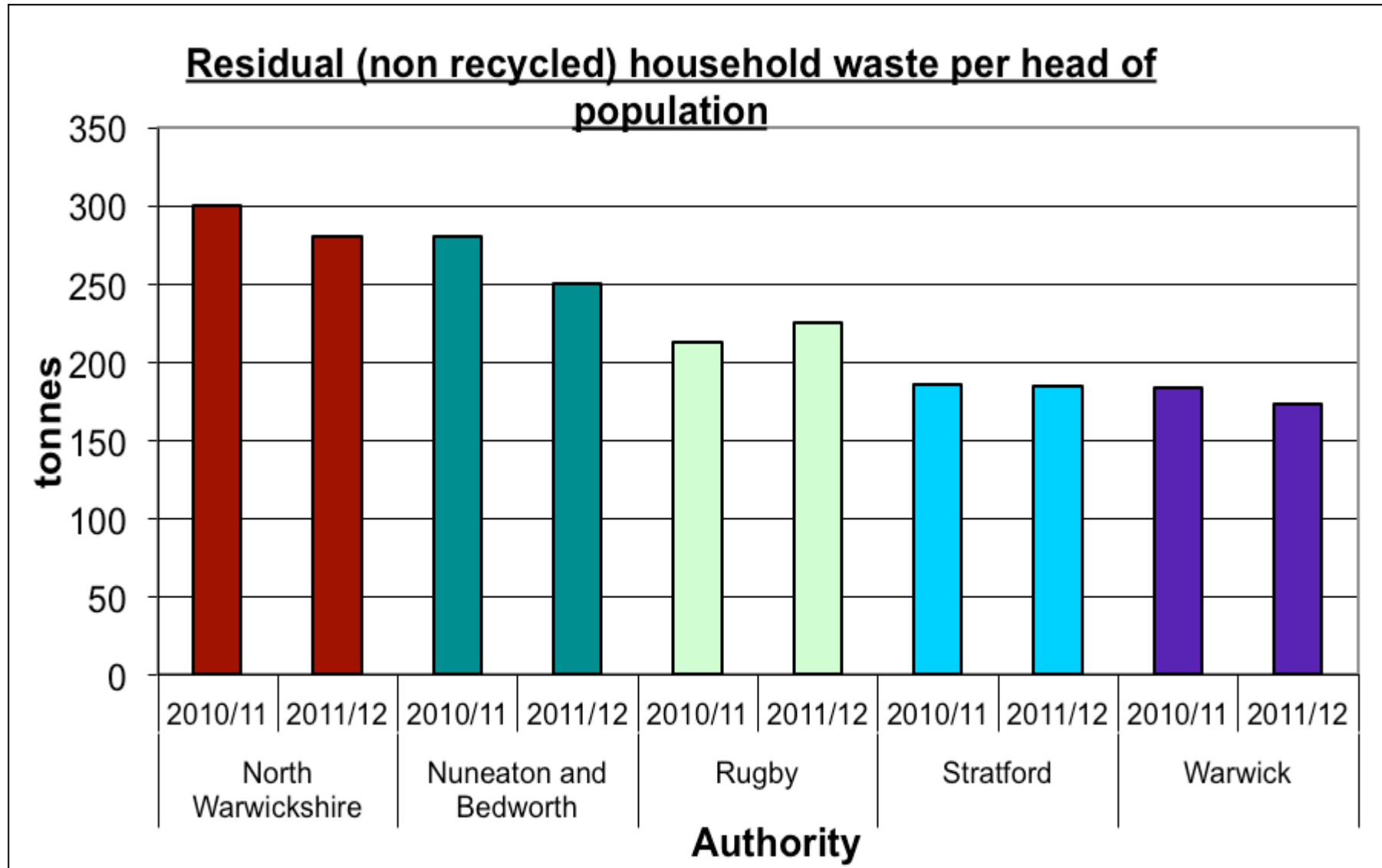


Figure 2 – Total household waste per head of population

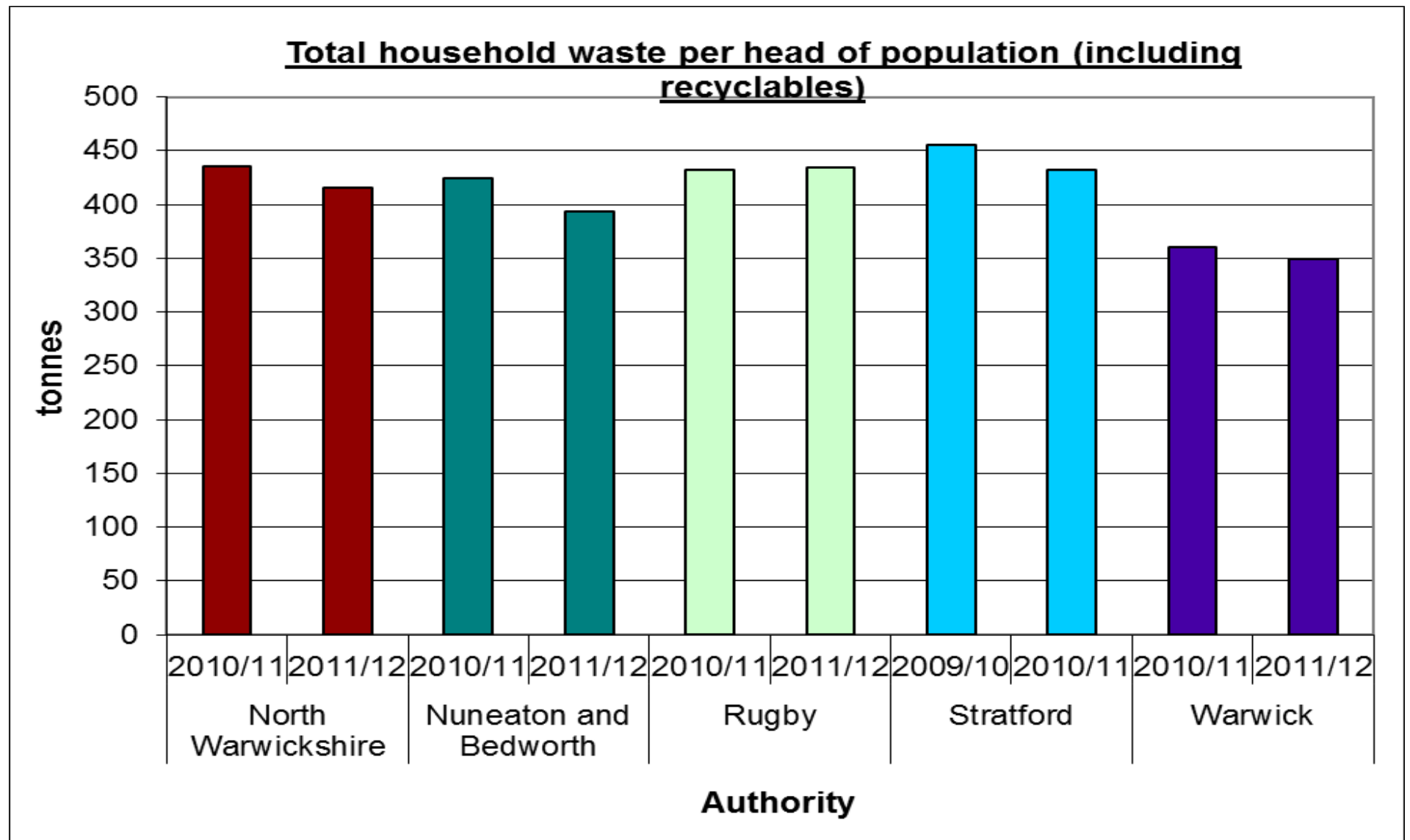
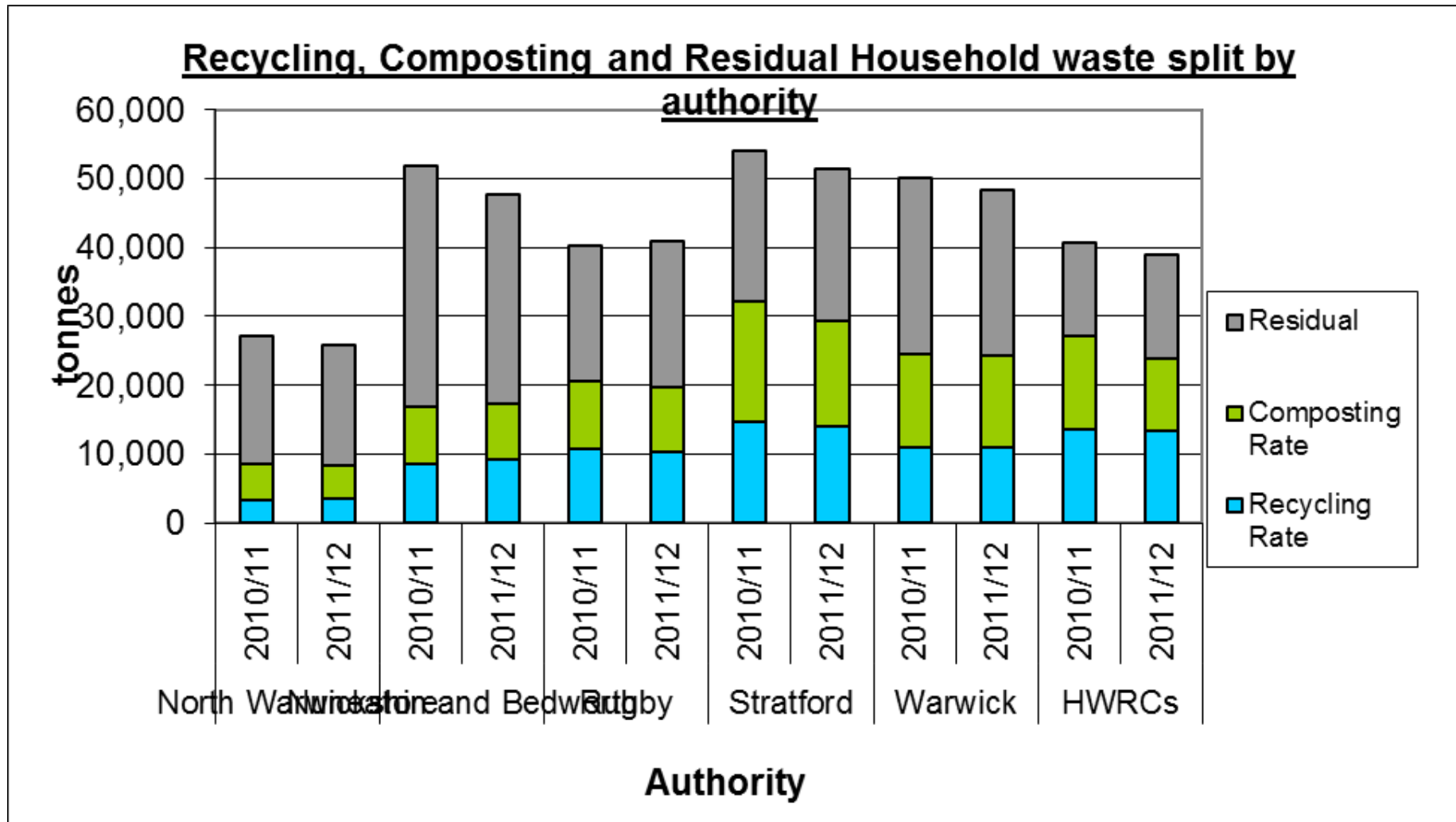


Figure 3 – Split between recycling, composting and residual waste by head of population in each authority



Appendix C, Item 7

Municipal Waste

	2009/10	2010/11	2011/12	% Change
By source/type				2010/11 to 2011/12
Household – tonnes	268,458	263,859	252,878	-4.2%
Commercial – tonnes	14,711	5,627	7,937	+41.1%
Asbestos – tonnes	69.8	74.6	49.6	-33.5%
Soil, rubble – tonnes	8,823	13,233	11,817	-10.7%
Total – tonnes	292,062	282,794	272,682	-3.6%
By destination (from WasteDataflow)				
Recycled or composted (hh)	129,336	129,773	123,097	-5.1%
Incinerated/ RDF (hh)	27,247	48,447	38,628	-20.2%
Landfilled	129,006	95,713	101,896	6.5%
Total tonnes	292,062	282,794	272,682	-3.6%
Biodegradable municipal waste landfilled	77,084	66,093	62,543	-5.4%

Appendix D, Item 7

	High aim	High aim	High aim	Low aim	Low aim	High aim	Low aim	Low aim	
WasteDataFlow - 2011/12 full year (extracted from WDF (21/08/2012))	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	23.52%	21.31%	0.00%	55.12%	620.25	45.29%	57.65%	471.57	1
Cambridgeshire County Council	28.97%	26.18%	0.00%	36.65%	475.81	55.77%	36.06%	454.09	2
Cumbria County Council	24.07%	21.41%	1.19%	48.37%	562.29	46.00%	46.28%	497.85	3
Derbyshire County Council	22.54%	20.50%	8.33%	48.63%	572.00	43.32%	49.36%	455.17	4
Devon County Council	27.67%	27.13%	0.01%	45.04%	454.63	55.22%	45.98%	468.90	5
East Sussex County Council	20.50%	18.41%	42.63%	18.43%	602.90	39.20%	18.48%	464.66	6
Essex County Council	28.64%	23.12%	0.19%	48.05%	516.26	51.81%	50.35%	460.37	7
Gloucestershire County Council	25.93%	21.15%	0.15%	52.78%	511.16	47.23%	55.18%	438.83	8
Hampshire County Council	24.15%	15.72%	51.91%	8.26%	622.72	40.54%	8.07%	450.50	9
Hertfordshire County Council	23.32%	26.80%	14.25%	35.76%	527.23	50.35%	37.13%	448.36	10
Kent County Council	25.28%	15.86%	35.26%	23.60%	616.39	41.11%	22.49%	465.37	11
Lancashire County Council	28.28%	18.41%	0.29%	46.42%	537.45	46.79%	51.61%	450.62	12
Leicestershire County Council	25.54%	30.58%	13.21%	26.51%	483.89	56.21%	32.35%	470.46	13
Lincolnshire County Council	30.10%	22.55%	1.08%	46.27%	486.70	52.77%	46.35%	477.43	14
Norfolk County Council	27.03%	18.16%	0.77%	54.03%	511.30	45.30%	54.32%	434.54	15
North Yorkshire County Council	23.66%	22.21%	0.03%	54.10%	588.77	46.15%	57.12%	499.69	16
Northamptonshire County Council	22.93%	21.43%	5.73%	49.94%	585.31	44.53%	48.64%	460.69	17
Nottinghamshire County Council	28.31%	14.50%	17.94%	39.25%	588.17	42.81%	38.80%	461.47	18
Oxfordshire County Council	31.16%	28.24%	1.71%	38.91%	409.64	59.56%	41.64%	422.72	19
Somerset County Council	26.14%	24.57%	1.80%	47.60%	485.86	50.90%	48.10%	452.02	20
Staffordshire County Council	26.54%	27.17%	23.22%	23.11%	504.98	53.74%	22.70%	478.76	21
Suffolk County Council	30.26%	22.87%	6.96%	39.91%	481.48	53.23%	40.66%	469.30	22
Surrey County Council	28.92%	22.51%	33.26%	15.29%	521.70	51.51%	15.04%	451.90	23
Warwickshire County Council	24.26%	24.35%	15.28%	36.07%	542.82	48.64%	37.37%	471.79	24
West Sussex County Council	27.10%	16.80%	14.57%	41.40%	602.31	44.02%	40.20%	481.85	25
Worcestershire County Council	30.02%	13.09%	6.87%	50.52%	575.36	43.28%	48.05%	451.02	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	18th out of 26	8th out of 26	7th out of 26	8th out of 26	15th out of 26	12th out of 26	9th out of 26	21st out of 26	
Quartile	3rd	2nd	Top	2nd	3rd	2nd	2nd	Bottom	