

Warwickshire Waste Partnership

6 December 2017

Waste Management Statistics for 2016/17

Recommendation

That members note the overall performance of the partners, and the increase in municipal waste growth during the 2016/17 year, and the individual tonnage changes in the various types of waste.

1.0 Introduction

- 1.1 This report for the 2016/17 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. National waste arising data has not yet been released by the government yet.
- 1.2 **Appendix A** shows the overall figures for Warwickshire.
Appendix B shows the waste & recycling for each partner authority and the household waste and recycling centres (HWRCs).
Appendix C provides further information on the quantities by type of municipal waste handled and treatment destinations.

2.0 Main Points for 2016/17

- 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 54.1% (2015/16) to 54.4% (2016/17). This small increase is largely due to an increase in green waste.
- (b) Total household waste tonnages decreased by 1,364 tonnes from 2015/16 to 2016/17
- (c) **Figure 1** - The amount of household waste sent to landfill decreased by 3,026 tonnes (8.8%). The amount of waste sent for energy recovery increased by 1,717 tonnes (2.0%)
- (d) Total household waste (including recyclables) shown in **Table 1**, by head of population, decreased to 467.2kg in 2016/17 (from 469.66kg in 2015/16). The residual (non-recyclable) proportion of this waste has decreased by 2.37kg per head to 213.0 kg per head.

Municipal Waste

- (e) **Table 2** - Total municipal waste increased by 4,678 tonnes. The residual proportion increased to 227.69kg per head in 2016/17 (from 225.88kg per head in 2015/16).
- (f) **Figure 3** shows an increase in recycling and composting, and energy from waste and a reduction in landfill.
- (g) The total municipal waste per head increased to 506.07 kg per head in 2016/16 (from 497.62 kg per head in 2015/16) as shown in **Figure 4**. However this is due to the increase in population figures not having been updated on the WDF yet

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 has increased in three authorities, (North Warwickshire, Rugby and Stratford), and reduced in two authorities, (Warwick and Nuneaton and Bedworth).
- b) The total amount of residual household waste decreased in Rugby. There were increases in all the other districts **Table 3**
- c) Warwick has the lowest residual household waste per head, 171kgs/hh, compared to North Warwickshire which has the highest with 244kgs per head. Again these figures do not take into account the increase in population in each district **Figure 5**
- d) **Figure 6** highlights that when it comes to total household waste, Rugby has seen the only decrease this year – a fall of 3kgs per head.

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

- (a) Municipal waste increased by nearly 1.7% from 2015/16 to 2016/17.
- (b) There was an increase (2%) in tonnages sent to energy from waste from 84,808 tonnes in 2016/17 to 86,521 tonnes in 2015/16
- (c) Total waste landfilled decreased by 8.8%

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Appendix A

Warwickshire Waste Partnership, December 2017

Waste Statistics 2016-17

Table 1 – Household Waste Summary Figures

Household Waste	Household Waste (tonnes)	2014-15		2015-16		2016-17	
		Tonnes	%	Tonnes	%	Tonnes	%
	Recycling (BVPI 82a)	71,088	27.3	67,968	26.1	64,845	25.1
	Composting (BVPI 82b)	70,146	26.9	72,913	28.0	75,981	29.3
	Total Re-use, Recycling, Composting (NI 192)	141,234	54.2	140,881	54.1	140,826	54.4
	Energy Recovery (BVPI 82c)	82,344	31.7	84,804	32.6	86,521	33.4
	Landfill (BVPI 82d)	36,998	14.1	34,510	13.3	31,484	12.2
	Total Household Waste	260,576		260,195		258,831	
	Population	548,729		554,002		554,002	
	Total HH waste per head (kg) (Overall HH waste) (BVPI 84a)	474.87		469.66		467.20	
	Residual HH waste per head (kg) (Total HH waste minus recyclables)	217.49		215.37		213.00	

Figure 1 – Household waste broken down by treatment method

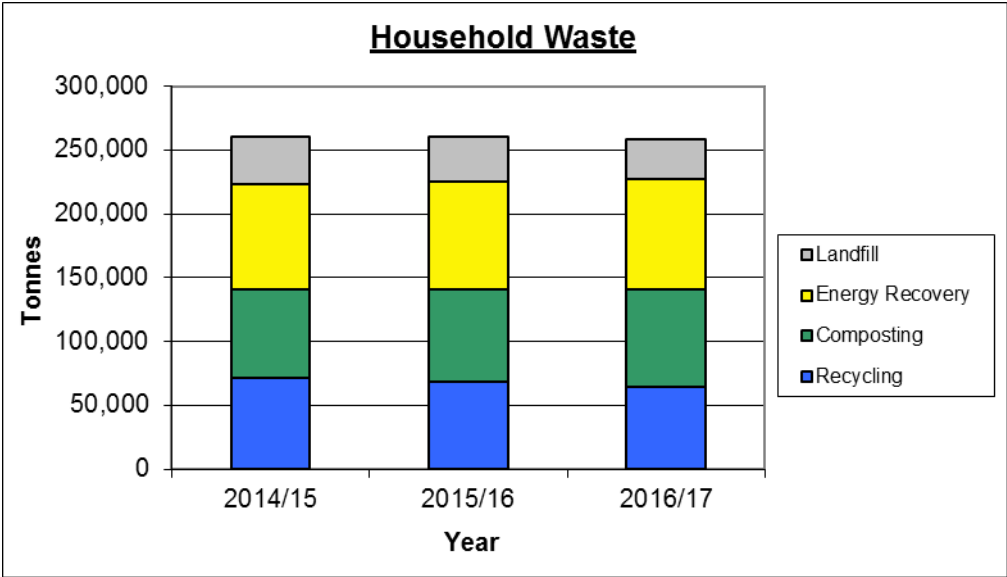


Figure 2 – Household waste per head

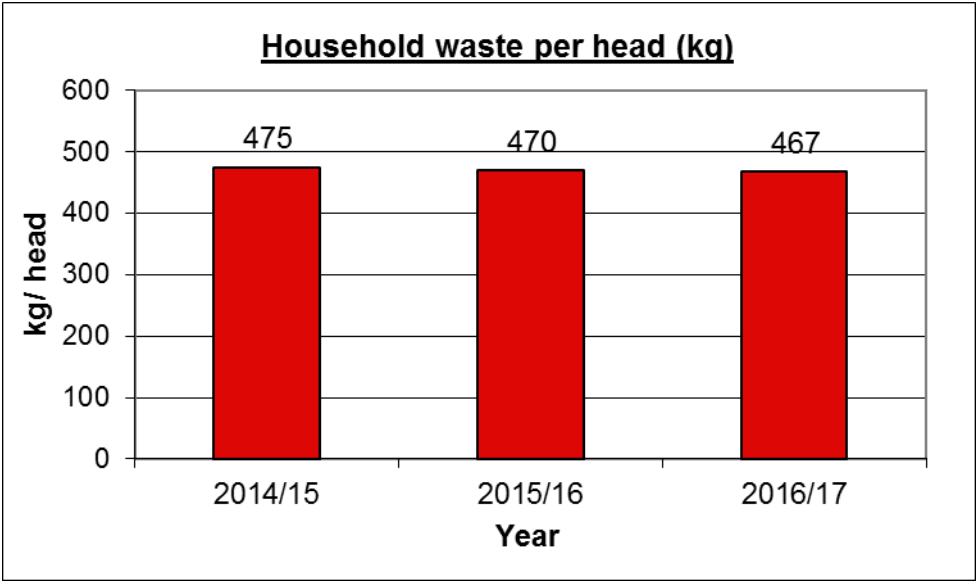


Table 2 – Municipal Waste Summary Figures

Municipal Waste	Municipal Waste	2014-15		2015-16		2016-17	
		Tonnes	%	Tonnes	%	Tonnes	%
	Total Re-use, Recycling, Composting	151,858	55.7	150,550	54.6	154,225	55.0
	Energy Recovery	82,706	30.3	88,931	32.2	90,218	32.2
	Landfill (NI193)	37,993	14.0	36,206	13.1	35,922	12.8
	Total Municipal Waste	272,557		275,687		280,365	
	Population	548,729		554,002		554,002	
	Total waste per head (kg) (Overall Municipal Waste)	496.70		497.62		506.07	
	Residual waste per head (kg) (Overall Municipal Waste minus Recyclables)	219.96		225.88		227.69	

Figure 3 – Municipal waste by treatment method

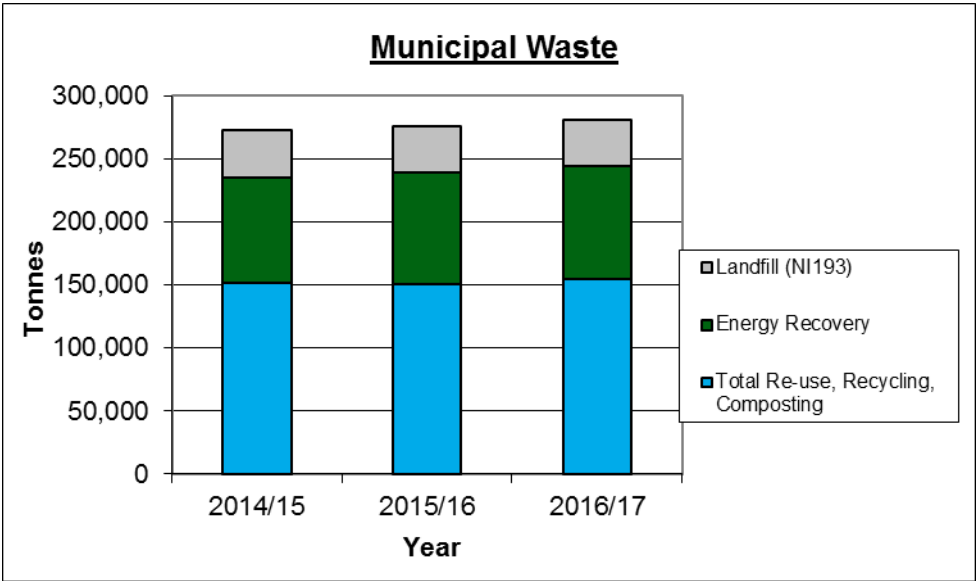
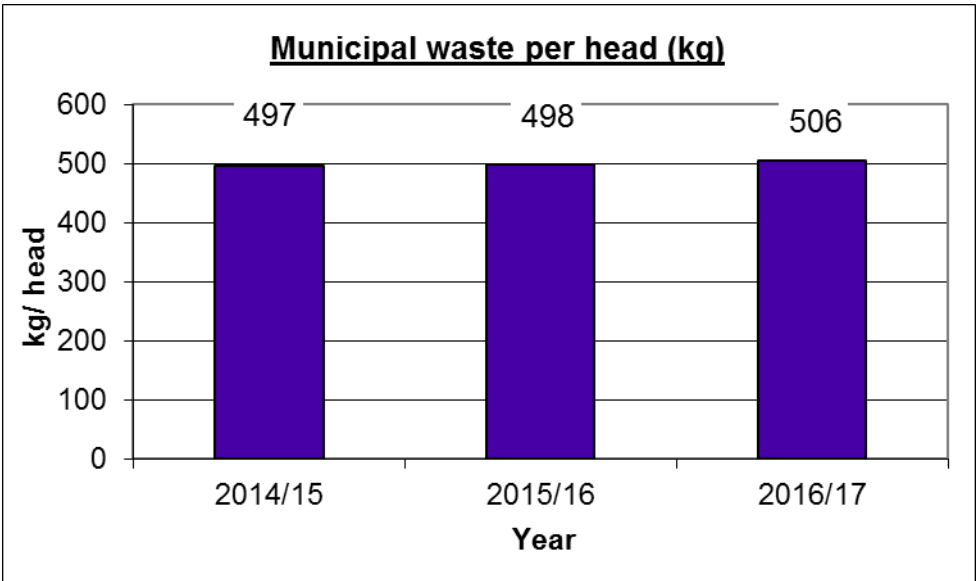


Figure 4 – Municipal waste per head



**Warwickshire Waste Partnership
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Waste Statistics 2016-17**

Table 3 – Authority Performance - Household Waste

	North Warwickshire		Nuneaton and Bedworth		Rugby		Stratford		Warwick		Warwickshire (HWRC)	
	2015/16	2016/17	2015/16	2016/17	2015/16	2016/17	2015/16	2016/17	2015/16	2016/17	2015/16	2016/17
Population	62,787	62,787	126,319	126,319	103,443	103,443	121,552	121,552	139,931	139,931		
Recycling Rate	4,971	5,299	9,297	9,349	8,645	9,776	13,456	14,033	11,791	11,442	29,715	31,452
	18%	19%	20%	19%	20%	23%	25%	25%	23%	22%		
Composting Rate	7,621	7,852	11,860	12,115	11,880	11,645	19,394	20,511	16,885	17,365	5,742	6,481
	28%	28%	24%	25%	28%	27%	36%	36%	33%	32%		
Recycling, Composting and Reuse Rate	12,592	13,151	21,157	21,464	20,525	21,421	32,850	34,544	28,676	28,807	35,457	37,933
	46%	47%	44%	44%	48%	50%	60%	61%	56%	55%		
Residual	14,947	15,314	27,382	27,572	22,537	21,318	21,500	21,848	22,179	23,876	20,881	20,640
	238kg/ head	244kg/ head	216kg/ head	218kg/ head	218kg/ head	206kg/ head	176kg/ head	179kg/ head	158kg/ head	171kg/ head		
Total	27,540	28,465	48,539	49,036	43,062	42,739	54,350	56,392	50,855	52,683	56,338	58,573
	438kg/ head	453kg/ head	384kg/ head	388kg/ head	416kg/ head	413kg/ head	447kg/ head	464kg/ head	363kg/ head	376kg/ head		

Figure 5 – Residual household waste per head of population

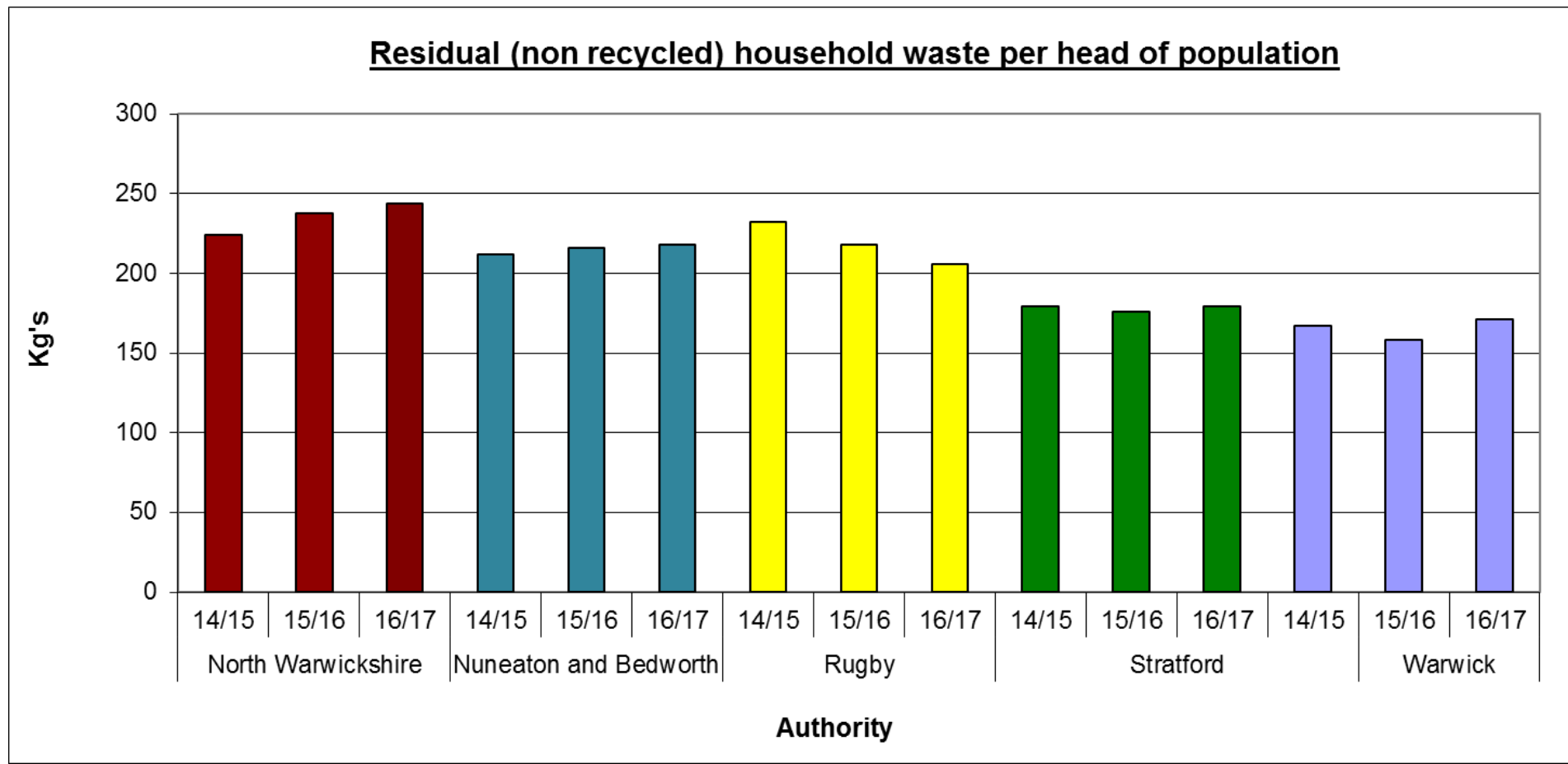


Figure 6 - Total household waste per head of population

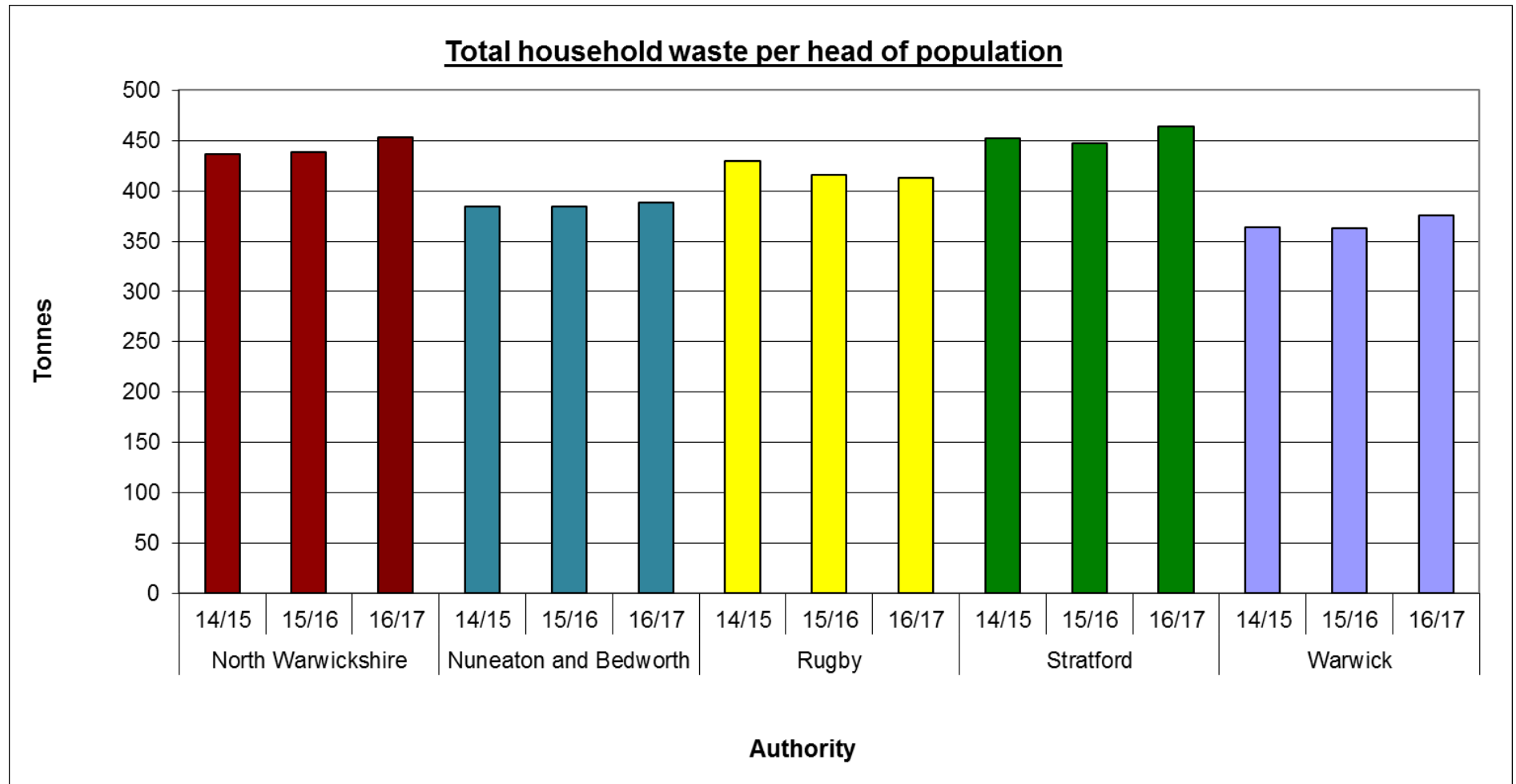
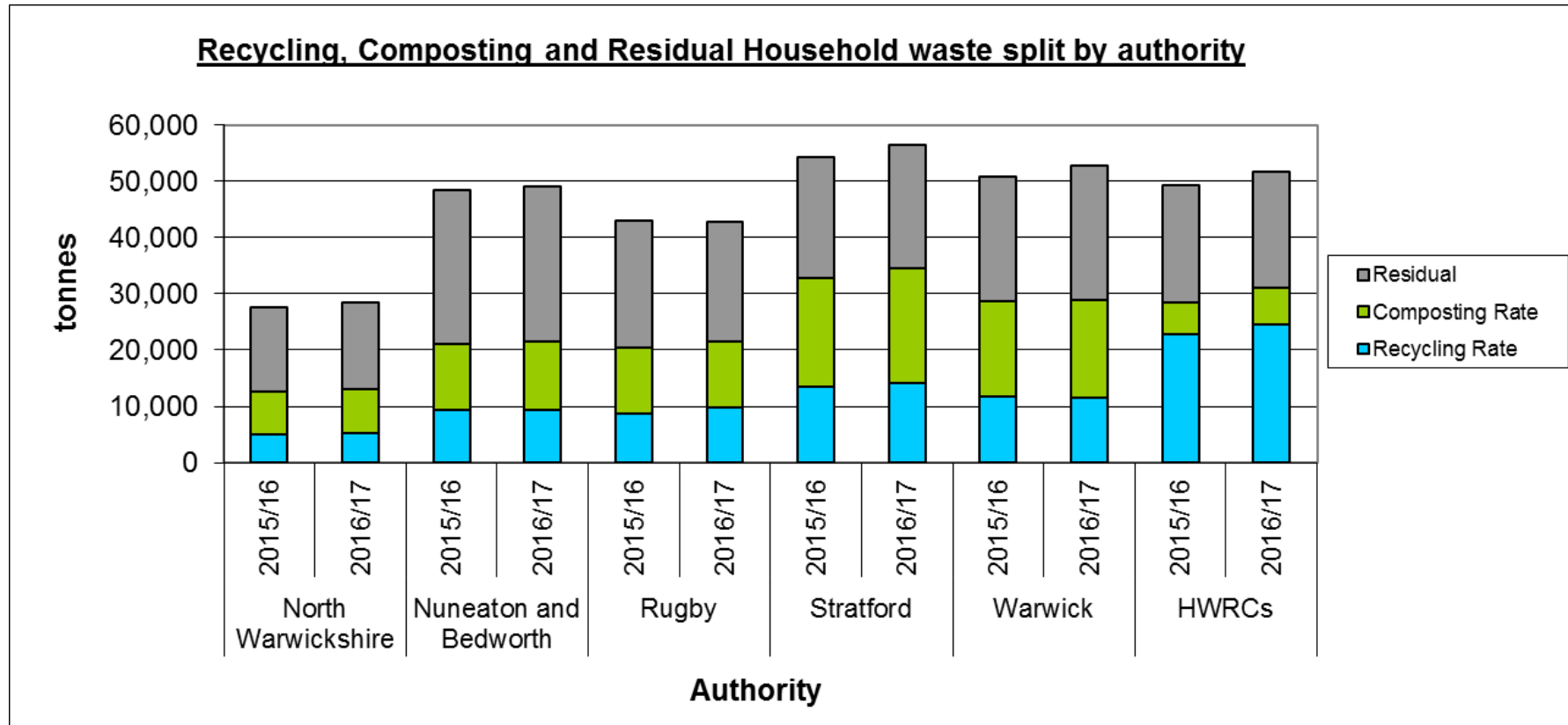


Figure 7 – Split between recycling, composting and residual waste by head of population in each authority



Appendix C

Warwickshire Waste Partnership December 2017 Waste Statistics for 2016/17

Municipal Waste

	2014/15	2015/16	2016/17	% Change
By source/type				2015/16 to 2016/17
Household – tonnes	260,576	260,195	258,831	-0.5%
Commercial – tonnes	7,248	9,357	9,899	+5.8%
Asbestos – tonnes	47.7	31.0	45.2	+45.8%
Soil, rubble – tonnes	7,130	6,104	6,008	-1.6%
Total – tonnes	272,557	275,687	280,365	+1.7%
By destination (from WasteDataflow)				
Recycled or composted	141,230 (hh)	140,881 (hh)	140,826 (hh)	-0.0%
Energy from Waste	82,344 (hh)	84,808 (hh)	86,521 (hh)	+2.0%
Landfilled	36,998	34,510	31,484	-8.8%
Total tonnes (HH)	260,576	260,195	258,831	-0.5%