

## **Appendix 2 – UK Waste Collection Systems Best Practice Review**

Information on Collection services was collected from Local Authorities across the UK. The information is presented in Tables 1 – 3 below and separated into examples from England and Wales, Scotland and Northern Ireland.

The main points of the comparison are as follows:

- Data was reviewed from a wide range of Councils across the UK that represented Urban, mixed and rural communities. This provided a broad range of information on the performance of collection systems.
- Serving a greater number of households does not necessarily result in a greater cost per household to deliver a dry recyclable collection. Councils that reported higher recycling rates tended to have a greater cost per household to operate the scheme
- Councils which reported the highest recycling and composting rate had a cost per household for residual waste collection that was similar to other Councils. Some Councils with lower recycling and composting rates had higher costs per household for residual collections.
- Costs per household of residual waste were higher for Councils that offered a kerbside collection scheme for mixed dry recyclables that included glass compared to Councils that collected mixed dry recyclables at kerbside excluding glass.

A number of trends were noted specifically for Councils in England:

- Within London, the Councils that reported the highest recycling rate also had the lowest cost of residual waste collection per household. The cost of the residual waste collection and the recyclables collection for the highest performing Council was comparable to other Councils' residual waste collection.
- In Dorset, the Councils with the highest cost per household for recycling service also reported higher recycling rates.
- When comparing Councils that offered a kerbside collection of glass, the overall cost per household was lower for the Council that provided bags for glass collection as opposed to a box and the collection frequency was the same in each case. However, this was also the Council that offered a kerbside collection of a single stream of material (i.e. paper) compared to a mixed collection of dry recyclables which may have influenced the costs.

A number of trends were noted specifically for Councils in Scotland:

- Costs of residual waste collection tended to be higher than England and this may reflect a greater proportion of rural communities served by some Scottish Councils.
- Costs per household tended to be higher for rural Councils compared to mixed and urban councils. Rural Councils reviewed has also implemented kerbside collection schemes for both dry recyclables and garden waste.
- Lower costs per household tended to be identified for mixed or urban Councils that have implemented kerbside collections of mixed dry recyclables that excluded glass. Urban Councils that also collected glass reported a higher overall cost per household for waste collection.
- Costs were lower for Councils that offered a segregated kerbside collection of garden waste provided on demand and where householders provided the collection container compared to Councils that a fully serviced collection.

A number of trends were noted specifically for Councils in Northern Ireland:

- Costs per household for Northern Ireland Authorities were generally higher than examples from England and may not be directly comparable.
- In Northern Ireland, kerbside dry recycling schemes are well established, however the majority of Councils are in the process of implementing a third kerbside collection for segregated garden/organic waste.
- The Councils with the highest overall cost per household for collection tended to be those that offered a kerbside collection box scheme of mixed dry recyclables that included glass.
- The Councils with the lowest overall cost per household for collection tended to be those that offered a kerbside collection wheeled bin scheme focused on a few well established recyclable materials (e.g. paper and card).

The tables below detail collection system information for Local Authorities separated into English, Scottish and Northern Irish Local Authorities. Please note that the quality of the data

presented within the tables is outwith the control of Jacobs Baktie and has been compiled from a number of sources. Further research would be required to verify the data presented. Our interpretation is based on this available data. Further data could change the conclusions drawn from the information below.

England

Waste Collection System	Authority	Barnet B.C.	Brent B.C.	Kingston upon Thames	Wandsworth B.C.	Elmbridge B.C.	Dover D.C.	Bracknell Forest B. C.	Carrick D.C.
	No. of Households	136,000	100,000	60,460	120,000	52,500	47,600	44,000	36,544
	Authority Type	Urban	Urban	Urban	Urban	Urban	Mixed	Mixed	Mixed
<b>A: Residual Waste</b>	1. Frequency: 2. Number of Households served: 3. Location: 4. Container 5. Materials 6. Productivity (hhld/vehicle/day):			1. Weekly 2. 60,460 3. Kerbside 4. 5. No garden, clinical, hazardous or commercial 6. 1500		1. Weekly 2. 52,500 3. Kerbside 4. 5. No garden, clinical, hazardous or commercial, 6. 875	1. Weekly 2. 47,000 3. Kerbside 4. 5. No garden, clinical, hazardous or commercial, 6. 1560	1. Weekly 2. 44,000 3. Kerbside 4. 5. No garden, clinical, hazardous or commercial, 6. 1450	1. Weekly 2. 36,544 3. Kerbside 4. 5. No garden, clinical, hazardous or commercial, 6. 1000
<b>B: Kerbside Dry Recyclables</b>	1. Frequency: 2. Number of Households served: 3. Location: 4. Container 5. Materials 6. Productivity (hhld/vehicle/day):	1. Weekly 2. 129,000 3. Kerbside 4. Wheeled bins 5. Paper, Card , cans, textiles, plastics,oils, cans 6.	1. Weekly 2. 75,000 3. Kerbside 4. Green box 5. Paper, card, cans, textiles, oils 6.	1. Fortnightly? 2. 3. 4. 5. 6. 4 vehicles Driver +2 loaders 1500	1. Weekly 2. 86,000 3. Kerbside 4. Blue bag 5. Paper, card, 6.	1. 2. 3. 4. 5. 6. 2 vehicles Driver +2 loaders 1 vehicle driver + 1 loader	1. 2. 3. 4. 5. 6. 5 vehicles driver + 1 loader	1. 2. 3. 4. 5. 6. 3 vehicles driver +3 loaders	
<b>C: Kerbside Green Waste</b>	1. Frequency: 2. Number of Households served: 3. Location: 4. Container 5. Materials 6. Productivity (hhld/vehicle/day):								
<b>D: Kerbside Glass</b>	1. Frequency: 2. Number of Households served: 3. Location: 4. Container 5. Materials 6. Productivity (hhld/vehicle/day):	1. Weekly 2. 29,000 3. At kerbside 4. Box 5. Mixed Glass 6.	1. Weekly 2. 75,000 3. At kerbside 4. Box 5. Mixed Glass 6.		1. Weekly 2. 86,000 3. At kerbside 4. Separate bags for each glass colour 5. Glass 6.				
<b>Bulky Waste</b>	1. Restrictions 2. Notice 3. Charge								
<b>Total Waste Arisings</b>	Total MSW Arisings (tonnes)								

Waste Collection System	Authority	Barnet B.C.	Brent B.C.	Kingston upon Thames	Wandsworth B.C.	Elmbridge B.C.	Dover D.C.	Bracknell Forest B. C.	Carrick D.C.
Cost per Household (A)		A: £39.7	A: £54.6	A: £19.8	A: £29.1	A: £27.0	A: £21.2	A:£24.7	A: £31.3
Cost per Household (B)				B: £6.63		B: £6.74	B: £8.34	B: £6.19	
Total Cost of Service			£850,000					B:	

All Costs per household are per annum.

Waste Collection System	Authority	Penwith D.C.	Taunton Deane B.C.	Mendip D.C.	North Somerset B.C	Bath & NE Somerset Council	South Cambridgeshire Council	Christchurch Council	East Dorset Council
	No. of Households	27,056	43,177	37,690	80,969	72,000	54,000	22,145	37,455
	Authority Type	Rural	Mixed/Rural	Mixed	Mixed/Rural	Mixed/Rural	Mixed Rural	Mixed	Rural
<b>A: Residual Waste</b>	1. Frequency: 2. Number of Households served: 3. Location: 4. Container 5. Materials 6. Productivity (hhld/vehicle/day):	1. Weekly 2. 27,056 3. Kerbside 4. 5. No garden, clinical, hazardous or commercial 6. 1080	1. Weekly 2. 43,177 3. Kerbside 4. 5. No garden, clinical, hazardous or commercial 6. 1230	1. Weekly 2. 37,690 3. Kerbside 4. 5. No garden, clinical, hazardous or commercial, 6. 1070	1. Weekly 2. 80,969 3. Kerbside 4. 5. No garden, clinical, hazardous or commercial, 6. 1350			1. Weekly 2. 22,145 3. Backdoor 4. None provided 5. No garden, clinical, hazardous or commercial, 6.	1. Weekly 2. 37,445 3. Kerbside 4. Black Bags (60 p. a. ) 5. No garden or bldg waste 6.
<b>B: Kerbside Dry Recyclables</b>	1. Frequency: 2. Number of Households served: 3. Location: 4. Container 5. Materials 6. Productivity (hhld/vehicle/day):				3 vehicles driver + 1 loader	1. Weekly 2. 67,000 3. Kerbside 4. boxes 5. Paper, card, textiles, oils 6.	1. Fortnightly 2. 55,000 3. Kerbside 4. boxes 5. Paper, glass, cans, textiles 6.	1. Fortnightly 2. 3,200 3. Kerbside 4. Box 5. Paper, plastic bottles, cans 6.	1. Fortnightly 2. 34,338 3. Kerbside 4. Box 5. News and Pams, Plastic Bottles, cans 6.
<b>C: Kerbside Green Waste</b>	1. Frequency: 2. Number of Households served: 3. Location: 4. Container 5. Materials 6. Productivity (hhld/vehicle/day):					1. Weekly 2. 67,000 3. Kerbside 4. Sack 5. Garden waste 6.			
<b>D: Kerbside Glass</b>	1. Frequency: 2. Number of Households served: 3. Location: 4. Container 5. Materials 6. Productivity (hhld/vehicle/day):								

Waste Collection System	Authority	Penwith D.C.	Taunton Deane B.C.	Mendip D.C.	North Somerset B.C	Bath & NE Somerset Council	South Cambridgeshire Council	Christchurch Council	East Dorset Council
<b>Bulky Waste</b>	1. Restrictions 2. Notice 3. Charge							1. No rubble and pianos Material outside property 2. 3 working days 3. £30 incl. VAT	1. None 2. 7 days 3. £26.53 / load
<b>Total Waste Arisings</b>	Total MSW Arisings (tonnes)							15,664	28,469
<b>Cost per Household (A)</b>		A: £34.9	A: £25.3	A: £32.3	A: £20.6	A: £40.0	A: £33.1	A: £18.6	A: £19.6
<b>Cost per Household (B)</b>					B: £7.65			B: £6.42	B £5.22 Container per household £3.50
<b>Total Cost of Service</b>						£750,000			

Waste Collection System	Authority	North Dorset	Purbeck	West Dorset	Weymouth & Portland	Sheffield City Council	Medway City Council
	No. of Households	27,260	20,799	45,098	28,716	220,000	42,500
	Authority Type					Urban	Urban
<b>A: Residual Waste</b>	1. Frequency: 2. Number of Households served: 3. Location: 4. Container 5. Materials 6. Productivity (hhld/vehicle/day):	1. Weekly 2. 27,260 3. Kerbside 4. Black Bags (50 pa) 5. No garden, Bulky or Trade (unless pre-paid) 6.	1. Weekly 2. 45,098 3. Kerbside 4. None provided 5. No garden or Building Waste 6.	1. Weekly 2. 20,799 3. Kerbside 4. Black Bags (80 p a) 5. No garden 6.	1. Weekly 2. 20,799 3. Kerbside 4. Black Bags (80 pa) 5. No garden, bulky, hazardous or construction 6.		
<b>B: Kerbside Dry Recyclables</b>	1. Frequency: 2. Number of Households served: 3. Location: 4. Container 5. Materials 6. Productivity (hhld/vehicle/day):	1. Fortnightly 2. 21,000 3. Kerbside 4. boxes 5. News and Pams, plastic bottles, cans 6.	1. Fortnightly 2. 14,000 3. Kerbside 4. boxes 5. News and Pams, junk mail, aerosols, textiles, plastic bottles, cans 6.		1. Fortnightly 2. 13,650 3. Kerbside 4. boxes 5. News and Pams, junk mail, alu foil, plastic bottles, yellow pages 6.	1. 4 Weekly 2. 220,000 3. Kerbside 4. 240L Wheeled Bins 5. Paper and Card 6.	1. Fortnightly 2. 42,500 3. Kerbside 4. Box 5. Paper, card, cans and plastic 6.
<b>C: Kerbside Green Waste</b>	1. Frequency: 2. Number of Households served: 3. Location: 4. Container 5. Materials 6. Productivity (hhld/vehicle/day):						1. Fortnightly 2. 42,500 3. At kerbside 4. 240L Wheeled Bins 5. Garden waste only 6.
<b>D: Kerbside Glass</b>	1. Frequency: 2. Number of Households served: 3. Location: 4. Container 5. Materials 6. Productivity (hhld/vehicle/day):						
<b>Bulky Waste</b>	1. Restrictions 2. Notice 3. Charge	1. No rubble or oil tanks 2. 7 days 3. Fridges £10 other £8.50 Transit load £55	1. White Goods and Furniture only 2. Approx 3 weeks 3. £5 per item min £15 max £25	1. Household items only max 3 items 2. 1 week 3. £12	1. No construction or garden waste 2. 2 working days 3. £5 per item min £15 max £50		

Waste Collection System	Authority	North Dorset	Purbeck	West Dorset	Weymouth & Portland	Sheffield City Council	Medway City Council
<b>Total Waste Arisings</b>	Total MSW Arisings (tonnes)	23,199	14,466	37,695	20,029		
<b>Cost per Household (A)</b>		A: £25. 8	A: £19. 0	A: £22. 1	A: £22. 1	A: £35. 6	A: £41. 4
<b>Cost per Household (B)</b>		B: £8. 29 Container per household £1. 99	B: £6. 50	B:£15. 73	B: £5. 51 Container per household £2. 70	B. OPEX: £50/t (excluding bins)	B: £50/tonne (contractor)
<b>Total Cost of Service</b>							

**Scotland**

Waste Collection System	Authority	Orkney	Perth & Kinross Council	Dundee City Council	North Ayrshire Council	Stirling, Falkirk, West Lothian Councils	Edinburgh City Council
	No. of Households	10,000	59,980	66,380	59,780	36,910, 64,540, 68,120	210,550
	Authority Type	Rural	Rural	Urban	Mixed/Rural	Mixed/Rural	Urban
<b>A: Residual Waste</b>	1. Frequency: 2. Number of Households served: 3. Location: 4. Container 5. Materials 6. Productivity (hhld/vehicle/day):						1. 2. 3,200 3. Kerbside, 4. Side Loading Container 5. Residual waste, 6.
<b>B: Kerbside Dry Recyclables</b>	1. Frequency: 2. Number of Households served: 3. Location: 4. Container 5. Materials 6. Productivity (hhld/vehicle/day):	1. Monthly 2. 10,000 3. Kerbside 4. Bundled by individual 5. Paper, Card 6.	1. Fortnightly 2. 24,636 3. Kerbside 4. In bags 5. Paper, Aluminium cans 6.	1. Fortnightly 2. 27,000 3. Kerbside 4. Wheeled bins 5. Paper, 6.		1. Fortnightly 2. 165,000 3. Kerbside 4. Blue bags 5. Newspaper, magazines, cans, textiles 6.	1. Fortnightly 2. 3,200 3. At kerbside 4. Recycling Bins 5. Paper, cans, cardboard, "tetrapack" style liquid food cartons, plastic bottles
<b>C: Kerbside Green Waste</b>	1. Frequency: 2. Number of Households served: 3. Location: 4. Container 5. Materials 6. Productivity (hhld/vehicle/day):	1. On request 2. 10,000 3. Kerbside 4. Individual supplies container 5. Garden waste 6.	1. Fortnightly 2. 45,000 3. At kerbside 4. Wheeled bin 5. Garden waste 6.	1. On request 2. 10,000 3. Kerbside 4. Compost bin 5. Garden waste 6.	1. Weekly 2. 45,000 3. Kerbside 4. Brown bin 5. Garden waste 6.		
<b>D: Kerbside Glass</b>	1. Frequency: 2. Number of Households served: 3. Location: 4. Container 5. Materials 6. Productivity	1. to be established 2005 2. 400 3. At kerbside 4. Box 5. Glass 6. 893					

Waste Collection System	Authority	Orkney	Perth & Kinross Council	Dundee City Council	North Ayrshire Council	Stirling, Falkirk, West Lothian Councils	Edinburgh City Council
	(hhld/vehicle/day):						
<b>Total Waste Arisings</b>	Total MSW Arisings (tonnes)	13,050	95,976	96,109	82,752		262,585
<b>Cost per Household (A)</b>		A: £67.7	A: £53.6	A: £47.7	A: £46.2	A: £62.52, A: £37.6, A: £48.57	A: £54.4
<b>Cost per Household (B, C, D)</b>		Not available	Not available	Not available	C: CAPEX SET UP: £12.6	B: OPEX: £3.03	B: CAPEX: £6.9 OPEX: £26.6
<b>Total Cost of Service</b>		Not available	Not available	Not available	C: CAPEX: £567,000	B: OPEX: £500,000 p.a.	A: CAPEX: £72,000 OPEX: £63,000 B: CAPEX: £22,000 OPEX: £85,000

Waste Collection System	Authority	Falkirk Council	Glasgow City Council	South Lanarkshire Council	North Lanarkshire Council	West Dunbartonshire	Aberdeen city council
	No. of Households	64,540	276,150	133,954	140,598	41,120	98,260
	Authority Type	Urban	Urban	Mixed	Urban	Urban	Urban
<b>A: Residual Waste</b>	1. Frequency: 2. Number of Households served: 3. Location: 4. Container 5. Materials 6. Productivity (hhld/vehicle/day):			1. Weekly 2. 133,954 3. Kerbside 4. 240l W. Bin 5. Residual 6.	1. Weekly 2. 121,352 3. Kerbside 4. 240l W. Bin 5. Residual 6.		
<b>B: Kerbside Dry Recyclables</b>	1. Frequency: 2. Number of Households served: 3. Location: 4. Container 5. Materials 6. Productivity (hhld/vehicle/day):	1. Weekly collection, 2. 2,556, 3. Doorstep and Kerb, 4. Blue bag for paper and 35l bin for dry recyclates, 5. Mixed paper, car/cardboard, mixed cans, mixed plastic bottles	1. Fortnightly, 2. 10,000, 3. Backcourt Flats, 4. 240l blue bins and carry sacks, 5. Newspapers, magazines, cans (food and drink), plastic bottles	1. Alternate week collection of dry recyclables and residual waste, 2. 64,500, 3. Kerbside collection, 4. 240l W. Bin, 5. Paper, card, plastics, cans 6.	1. 4-Weekly 2. 52,000 3. Kerbside 4. 240l W. Bin 5. News and Pams 6.	1. Fortnightly, 2. 5,000, 3. Door to door collection system, 4. 40l and 60l boxes, 5. newspapers, mags, plastic bottles, cans	1. not specified, 2. 2,100, 3. Kerbside collection, 4. 1280l on street bins, 5. Mixed waste paper and cardboard, mixed plastic bottles, food and drink cans
<b>C: Kerbside Green Waste</b>	1. Frequency: 2. Number of Households served: 3. Location: 4. Container 5. Materials 6. Productivity (hhld/vehicle/day):			1. Uplift on demand 2. 31,243 uplifts 2003 3. Kerbside 4. Householder provides 5. Garden only 6.	1. Fortnightly (Jun-Nov) 2. 15,000 3. Kerbside 4. 240l W. Bin 5. Garden waste 6.		
<b>D: Kerbside Glass</b>	1. Frequency: 2. Number of Households served: 3. Location: 4. Container 5. Materials 6. Productivity (hhld/vehicle/day):		1. Fortnightly 2. 10,000 3. Open back veh, With cages for glass separation 4. Kerbside 5. 55l Box 6. 1000				
<b>Total Waste Arisings</b>	Total MSW Arisings (tonnes)	108,898	362,608	178,374	195,337	59,589	133,688
<b>Cost per</b>		A: £37.6	A: £50.0	A: £39.8	A: £49.1	A: £41.6	A: £42.0

Waste Collection System	Authority	Falkirk Council	Glasgow City Council	South Lanarkshire Council	North Lanarkshire Council	West Dunbartonshire	Aberdeen city council
Household (A)							
Cost per Household (B, C, D)		B: CAPEX: £15.6 OPEX: £26.1	B: CAPEX: £11.21 OPEX: £19.27 - £24.81* D; CAPEX: £3 OPEX: £14 /t (CONTRACT ACE)	B: CAPEX £38.9 OPEX: £53.8*		B: CAPEX: £5.2 OPEX: £29.4	B: CAPEX: £16.9 OPEX: £13.3
Total Cost of Service		B: CAPEX: 40,000 OPEX: 66,808	B: CAPEX £109,960 in 2004/2005 (Jan-Mar) and £2,200 in 2005/2006 OPEX: £192,720	B: CAPEX: £78,040 in 2004/05 and £7,600 in 2005/06* OPEX: £118,363*		B: CAPEX: £26,000 OPEX: 147,000	B: CAPEX: £35,640 (2004) and OPEX: £28,030 (2004)

**Northern Ireland**

<b>Waste Collection System</b>	<b>Authority</b>	<b>Antrim Borough Council</b>	<b>Ards Borough Council</b>	<b>Ballymena BC</b>	<b>Belfast City Council</b>	<b>Carrickfergus BC</b>
	No. of Households	16,940	30,200	22,770	123,834	15,040
	Authority Type	Mixed/Rural	Urban	Mixed/Rural	Urban	Mixed/Rural
<b>A. Residual Waste</b>	1. Frequency: 2. Number of Households served: 3. Location: 4. Container 5. Materials 6. Productivity (hhld/vehicle/day):	1. Weekly 2. 6,940 3. Kerbside 4. Wheeled Bin 5. Paper, card, Mixed dry, green waste, organics 6. 670	1. Weekly 2. 30,200 3. Kerbside 4. Wheeled Bin 5. card, glass, cans, plastics and textiles Mixed, green waste, organics 6. 739	1. Weekly 2. 22,770 3. Kerbside 4. Wheeled Bin 5. Paper, card, glass, cans, plastics and textiles 6. 451.	1. Weekly 2. 23,834 3. Kerbside 4. Wheeled Bin 5. Mixed waste, green waste, card, organics cans, plastics 6. 968	1. Weekly 2. 5,040 3. Kerbside 4. Wheeled Bin 5. Mixed wastes, card, green waste, organics 6. 752
<b>B. Kerbside Dry Recyclables</b>	1. Frequency: 2. Number of Households served: 3. Location: 4. Container 5. Materials 6. Productivity (hhld/vehicle/day):	1. Fortnightly 2. 5,800 3. Kerbside 4. Wheeled Bin 5. Paper, card, cans, plastics and textiles 6.	1. Fortnightly 2. 500 3. Kerbside 4. Wheeled Bin 5. Paper, 6.	1. Fortnightly 2. 22,770 3. Kerbside 4. Wheeled Bin 5. Paper, magazines 6.	1. Fortnightly 2. 5,366 3. Kerbside 4. Wheeled Bin 5. Paper, glass, textiles, plastic bottles, cans 6.	1. Fortnightly 2. 5,040 3. Kerbside 4. Black box 5. Paper, glass, textiles, cans, plastics 6.
<b>C. Kerbside Green Waste</b>	1. Frequency: 2. Number of Households served: 3. Location: 4. Container 5. Materials 6. Productivity (hhld/vehicle/day):					
<b>D. Kerbside Glass</b>	1. Frequency: 2. Number of Households served: 3. Location: 4. Container 5. Materials 6. Productivity (hhld/vehicle/day):	1. Fortnightly 2. 600 3. Kerbside 4. Black box 5. Paper, Glass plastic bottles & cans 6.			1. Fortnightly 2. 5366 3. Kerbside 4. Black box 5. Glass paper, cans, plastic bottles, textiles 6.	See Above (B)
<b>Total Waste Arisings</b>	Total MSW Arisings (tonnes)	26,050	44,540	22,770	139,952	22,880
<b>Cost per Household (A)</b>		A: £80.16	A: £46.40	No data	No data	A: £46.30
<b>Total Cost of Service</b>		£1,377,054	£1,354,207	No data	No data	£696,694

Waste Collection System	Authority	Castlereagh BC	Down District Council	Larne BC	Lisburn City Council	Newtownabbey BC	North Down BC
	No. of Households	27,310	25,500	12,622	40,060	30,040	31,270
	Authority Type	Urban	Mixed/Rural	Mixed/Rural	Urban	Mixed/Rural	Mixed/Rural
<b>A. Residual Waste</b>	1. Frequency: 2. Number of Households served: 3. Location: 4. Container 5. Materials 6. Productivity (hhld/vehicle/day):	1. Weekly 2. 15,040 3. Kerbside 4. Wheeled Bin 5. Mixed dry, green waste, organics 6. 1092	1. Weekly 2. 25,500 3. Kerbside 4. Wheeled Bin 5. Mixed dry, card, glass, cans, plastics, textiles 6. 1729	1. Weekly 2. 12,622 3. Kerbside 4. Wheeled Bin 5. Paper, card, glass, cans, plastics and textiles, green waste, organics 6. 421	1. Weekly 2. 40,060 3. Kerbside 4. Wheeled Bin 5. Mixed dry glass, cans, plastics and textiles, green waste, organics 6. 572	1. Weekly 2. 30,040 3. Kerbside 4. Wheeled Bin 5. card, glass, cans, plastics and textiles, organics 6. 1552	1. Weekly 2. 31,270 3. Kerbside 4. Wheeled Bin 5. Paper, card, glass, cans, plastics, textiles, green waste, organics 6. 893
<b>B. Kerbside Dry Recyclables</b>	1. Frequency: 2. Number of Households served: 3. Location: 4. Container 5. Materials 6. Productivity (hhld/vehicle/day):	See Below (D)	1. Fortnightly 2. 11,000 3. Kerbside 4. Wheeled bin 5. Paper 6.		1. Fortnightly 2. 8,500 3. Kerbside 4. Wheeled Bin 5. Paper, Card 6.	1. Fortnightly 2. 29,500 3. Kerbside 4. Wheeled Bin 5. Paper, 6.	
<b>C. Kerbside Green Waste</b>	1. Frequency: 2. Number of Households served: 3. Location: 4. Container 5. Materials 6. Productivity (hhld/vehicle/day):		1. Fortnightly 2. 4000 3. Kerbside 4. box 5. Garden waste, organic waste 6.			1. Fortnightly 2. 14,097 3. Kerbside 4. Bbags and brown boxes 5. Garden waste 6.	
<b>D. Kerbside Glass</b>	1. Frequency: 2. Number of Households served: 3. Location: 4. Container 5. Materials 6. Productivity (hhld/vehicle/day):	1. Fortnightly 2. 2000 3. Kerbside 4. Black box 5. Paper, glass, textiles, cans, plastics, old tools 6.					
<b>Total Waste Arisings</b>	Total MSW Arisings (tonnes)	33,697	34,218	17,175	62,591	44,678	51,440
<b>Cost per Household (A)</b>		A: £54.30	A: £29.66	No data	A: £24.90	No data	No data
<b>Total Cost of Service</b>		£1,530,000.00	£703,078	No data	£990,508	No data	No data

**DEFRA Waste Implementation Programme**  
**Local Authority Support Unit**  
Maximising the efficiency of Project Integra Collection Services

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**Recycling Rates**

	% Recycled	% Composted
Antrim Borough Council	9.3	10
Ards Borough Council	4.9	4.6
Ballymena BC	11.2	10.2
Belfast City Council	2.3	1.7
Carrickfergus BC	4	4.2
Castlereagh BC	3.3	1.6
Down District Council	8.6	5
Larne BC	3.4	2.4
Lisburn City Council	3.9	5
Newtownabbey BC	7.8	8.5
North Down BC	4.3	6.7
Aberdeen city council	5.6	0.1
Dundee City Council	8.2	3.8
Edinburgh City Council	4	1
Falkirk Council	3.8	1.8
Glasgow City Council	2.9	1.9
North Ayrshire Council	2.4	3.4
North Lanarkshire Council	7.3	-
Orkney	9.7	6.3
Perth & Kinross Council	5.1	10.7
South Lanark-shire Council	5.8	5.3
Stirling, West Lothian Councils	10.8	3.4
West Dunbartonshire	5.7	0.4
Barnet BC	10.8	1.3
Bracknell Forest B.C.	12.4	5.4
Brent BC	6.6	0
Carrick D.C.	12.6	2.7
Dover D.C.	7.7	0
Elmbridge B.C.	11.8	0.1
Kingston upon Thames	14.2	4.8
Mendip D.C.	7.6	1.1
Penwith D.C.	7	1.2
Taunton Deane B.C.	9.9	3.4
Wandsworth BC	10.4	0.1
Bath & NE Somerset Council	20	6.1
Christchurch Council	13	no data
East Dorset Council	16	0
Medway City Council	7.7	4.7
North Dorset	17	0
North Somerset B.C	9.8	4
Purbeck	13	0
Sheffield City Council	4.3	0.8
South Cambridgeshire Council	18.3	1
West Dorset	12.6	0
Weymouth & Portland	12.1	1.1