

**Recycling & recovery end use register 2017/18**

In 2017-18, over 43,000 tonnes of Bath & North East Somerset residents waste was reused and recycled.

All of the material shown in this register is collected by Bath & North East Somerset Council and genuinely sent for reuse, recycling, or recovery.

All the material collected for reuse and recycling is sent for recycling within the UK where possible, however, due to demand or market availability, it is sometimes necessary to export some materials overseas. The percentage of materials exported for recycling and reuse 2017-18 was 0.70%.

In total we exported just over 10% of the 43,000 tonnes diverted away from landfill. The majority of this exported waste has been removed from residents' weekly bin waste at a facility in Avonmouth. We sent 10,688 tonnes of waste to this facility in 2017-18, and after all the recyclable and compostable waste has been taken out, the rest is exported for use in energy recovery.

Data on the carbon impact of all the waste we divert away from landfill.

This data does not represent a detailed carbon impact assessment for waste management in Bath & North East Somerset being based on national average greenhouse gas factors for CO<sub>2</sub> (kg CO<sub>2</sub>/tonne savings versus landfill) for England provided by the Waste and Resources Action Programme (WRAP).

These national factors are not calculated from detailed life cycle analysis and do not take into account different collection methods, treatment processes or transport.

In 2017-18, over 28,000 tonnes of CO<sub>2</sub> equivalent in emissions were avoided as a result of efforts made by residents of Bath & North East Somerset residents in diverting waste from landfill.

The following tables show a breakdown of the tonnes of material collected by each service and the carbon impact as described above, the amount sent to individual reprocessors and the materials final end use.

NB. The following represents only the Household Waste (also including C&D waste) diverted from landfill in Bath & North East Somerset

KERBSIDE COLLECTIONS	RECYCLED (TONNES)	ENERGY RECOVERY (TONNES)	REUSED (TONNES)	CARBON SAVED (TONNES CO <sub>2</sub> EQUIVALENT)	COLLECTION CONTRACTOR	REPROCESSOR	EXPORTED (TONNES)	END USE
Aluminium Foil	0.00	0.00	0.00	0.00	Kier/Banes	Novelis UK Ltd., Warrington	0.00	Remelted for production of new aluminium cans
		0.00	0.00	0	Kier/Banes	Novelis UK Ltd., Warrington	0.00	
Aluminium Cans		0.00	0.00	0	Kier/Banes	Sita / Suez Avonmouth, Avonmouth Resource Park, Merebank Road, Off Kings Weston Road, Bristol BS11 9FG	0.00	Reprocessed into new products
	105.46	0.00	0.00	977.25	Kier/Banes	PURE, Warwick road, Ettington, Stratford Upon Avon CV37 7PN	0.00	Reprocessed into new products
Steel Cans		0.00	0.00	0	Kier/Banes	Morris Metals, Cowbridge, South Glamorgan	0.00	Used in new steel products
		0.00	0.00	0	Kier/Banes	Sita / Suez Avonmouth, Avonmouth Resource Park, Merebank Road, Off Kings Weston Road, Bristol BS11 9FG	0.00	Reprocessed into new products
	591.50	0.00	0.00	1064.22	Kier/Banes	PURE, Warwick road, Ettington, Stratford Upon Avon CV37 7PN	0.00	Reprocessed into new products
Car Batteries	4.74	0.00	0.00	2.67	Kier/Banes	G&P Batteries, Darlaston, West Midlands	0.00	Separated into fractions and reprocessed into new batteries or reused as raw materials ie. Scrap metal and plastic
Cardboard	3,091.87	0.00	0.00	2764.75	Kier/Banes	D S Smith Recycling, Avon Mill Lane, Bristol	0.00	Reprocessed into new cardboard
	0.00	0.00	0.00	0	Kier/Banes	Edwards Recycling, The Recycling Centre, Essex LG11 0JD	0.00	Reprocessed into new cardboard
Clothing & Footwear	157.03	0.00	0.00	318.45	Kier/Banes	Wilcox reclaimers, Beldray Road Bilston w.m. WV14 7NH	141.33	Exported to Africa, Eastern Europe and Indian sub-continent
Engine Oil	1.84	0.00	0.00	1.33	Kier/Banes	Eco-Oil Ltd, Newport, South Wales	0.00	Reprocessed into low-grade fuel oil for asphalt plants and generators
Food Waste	5,461.47	0.00	0.00	2672.16	Kier/Banes	GENeco, Wessex Water Composting Facility, Avonmouth	0.00	Composted by anaerobic digestion for use on farmland
Fridges & Freezers	16.08	0.00	0.00	10.55	Bath & North East Somerset Council	Sims, Gatton Road, Bristol BS2 9SH	0.00	Degassed and broken up into separate components for recycling
Garden Waste	3,673.48	0.00	0.00	997.35	Bath & North East Somerset Council	RM Penny, On farm composting at Green Ore	0.00	Composted for agricultural use on site
	2,111.26	0.00	0.00	573.21		Phoenix Green Solutions Mayshill Industrial Estate Frampton Cotterell South Glos BS36 2NS	0.00	Reprocessed into usable compost
	0.00	0.00	0.00	0		Viridor Waste Ltd, Composting facility at Castle Cary	0.00	
Mixed Glass	2,521.24	0.00	0.00	588.49	Kier	Recresco, Unit 60, Springvale Industrial Estate, Cwmbran NP44 5BE	0.00	Reprocessed into new bottles and jars
	2,754.12	0.00	0.00	642.85	Banes	URM (UK)Ltd, 49 Ludgate Crescent, Langthwaite Business Park, South Kirkby, WF9 3NR	0.00	Reprocessed into new bottles and jars
Household Batteries	9.27	0.00	0.00	5.22	Kier/Banes	G&P Batteries, Darlaston, West Midlands	0.00	Separated into fractions and reprocessed into new batteries or reused as raw materials ie. Scrap metal and plastic
Paper/Mixed paper	3,640.25	0.00	0.00	2950.47	Kier	Palm Paper, Saddlebow Paper Mill Poplar Ave, Kings Lynn, Norfolk PE34 3AL	0.00	Reprocessed into 100% recycled paper for newsprint
Mixed Plastics	772.09	0.00	0.00	938.11	Kier	PURE, Warwick road, Ettington, Stratford Upon Avon CV37 7PN	0.00	Reprocessed into new products
	930.81	0.00	0.00	1130.96	Banes	J & A Young (Jayplas), Unit 15, Saxon Way, Oakley Hay Industrial Estate, Corby NN18 9EX	0.00	Reprocessed into new products
Toner Cartridges	2.86	0.00	0.00	0.00	Kier/Banes	Safetycleen, 202, Longmead Road Bristol BS16 7FG	0.00	Re-filled and re-used, or recycled.
Small WEEE	54.78	0.00	0.00	81.16	Kier/Banes	Sims, Gatton Road, Bristol BS2 9SH	0.00	Individual components recycled
BRING BANKS	RECYCLED (TONNES)	ENERGY RECOVERY (TONNES)	REUSED (TONNES)	CARBON SAVED (TONNES CO <sub>2</sub> EQUIVALENT)	COLLECTION CONTRACTOR	REPROCESSOR	EXPORTED (TONNES)	END USE
Paper - Books	0.00	0.00	4.04	0.00	Oxfam	Oxfam	0.00	Sold in charity shops, if not sold recycled by Precycle
	0.00	0.00	5.54	0.00	British Heart Foundation	British Heart Foundation	0.00	Sold in charity shops, if not sold recycled
Textiles	0.00	0.00	4.53	27.11	Traid	Lawrence M Barry & Co	4.53	Sold in charity shops or sent abroad to Africa and Eastern Europe
	0.00	0.00	3.76	22.51	Green World Recycling	Green World Recycling	3.76	Majority sent abroad to Eastern Europe if unsuitable then recycled
	0.00	0.00	10.77	64.48	Bag it Up	Bag it Up	10.77	Majority sent abroad, if unsuitable then recycled
	0.00	0.00	3.54	21.22	British Heart Foundation	British Heart Foundation	0.00	Sold in charity shops or recycled by local rag merchant
	0.00	0.00	11.13	66.64	Planet Aid	Planet Aid	11.13	Majority sent abroad, if unsuitable then recycled
Shoes/Textiles	0.00	0.00	8.59	17.42	Soex	Soex	8.59	Majority sent abroad, if unsuitable then recycled

RECYCLING CENTRES	RECYCLED (TONNES)	ENERGY RECOVERY (TONNES)	REUSED (TONNES)	CARBON SAVED (TONNES CO <sub>2</sub> EQUIVALENT)	COLLECTION CONTRACTOR	REPROCESSOR	EXPORTED (TONNES)	END USE
Bicycles	0.00	0.00	0.00	0.00	Jole Rider, local charity		0.00	Reconditioned for reuse
Bric-a-brac	0.00	0.00	4.90	0.00	Shaw Trust, local charity		0.00	Sold on for reuse
Books	0.00	0.00	37.44	0.00	British Heart Foundation		0.00	Sold on in shops for reuse
Mixed Cans	5.98	0.00	0.00	23.7	Kier	PURE, Warwick road, Ettington, Stratford Upon Avon CV37 7PN	0.00	Reprocessed into new products
	7.91	0.00	0.00	31.36	Kier/Banes	J & A Young (Jayplas), Unit 15, Saxon Way, Oakley Hay Industrial Estate, Corby NN18 9EX	0.00	Reprocessed into new products
Car Batteries	28.85	0.00	0.00	16.24	G&P Batteries, Darlaston, West Midlands		0.00	Separated into fractions and reprocessed into new batteries or reused as raw materials ie. Scrap metal and plastic
Cardboard	639.68	0.00	0.00	572	Bath & North East Somerset Council Kier	Newport Paper Company Aston House, 3 Springfield Industrial Estate, Newport, Shropshire, TF10 7NB	0.00	Reprocessed into new cardboard
Clothing	0.00	0.00	249.81	1495.61	Kier	Wilcox reclaimers, Beldray Road Bilston w.m. WV14 7NH	224.83	Exported to Africa, Eastern Europe and Indian sub-continent
Food Waste	19.01	0.00	0.00	9.30	Bath & North East Somerset Council	GENeco, Wessex Water Composting Facility, Avonmouth	0.00	Composted by anaerobic digestion for use on farmland
Footwear	0.00	0.00	29.70	0.00	European Recycling Company		29.70	Exported to developing countries for reuse
Engine Oil	16.24	0.00	0.00	11.78	West Oils Environmental, Gloucester		0.00	Reprocessed into low-grade fuel oil for asphalt plants and generators
Fluorescent Tubes	3.05	0.00	0.00	0.00	Mercury Recycling Ltd, Manchester		0.00	Separated into component fractions and recycled
Fridges & Freezers	207.08	0.00	0.00	135.85	Sims		0.00	Degassed and broken up into separate components for recycling
Furniture	0.00	0.00	1.78	1.64	Bath & North East Somerset Council	Bath & North East Somerset Council	0.00	Sold on for reuse at low prices to people on low incomes
Garden Waste	8.16	0.00	0.00	2.22	Bath & North East Somerset Council	RM Penny, On farm composting at Green Ore	0.00	Composted for agricultural use on site
	1,150.18	0.00	0.00	312.27		Viridor Waste Ltd, Composting facility at Caste Cary	0.00	Reprocessed into usable compost
	4,581.19	0.00	0.00	1243.79		Phoenix Green Solutions Mayshill Industrial Estate Frampton Cotterell South Glos BS36 2NS	0.00	
Engine Oil	0.00	0.00	11.39	0.00	Environmental Concern Limited, Birmingham		0.00	Reuse if returnable otherwise materials are recycled
Mixed Glass	108.15	0.00	0.00	25.24	Kier	Recresco, Unit 60, Springvale Industrial Estate, Cwmbran NP44 5BE	0.00	Reprocessed into new bottles and jars
	122.14	0.00	0.00	28.51	Banes	URM (UK)Ltd, 49 Ludgate Crescent, Langthwaite Business Park, South Kirkby, WF9 3NR	0.00	Reprocessed into new bottles and jars
Electricals - White goods	12.96	0.00	0.00	16.4	SIMS Group Uk		0.00	Broken down into separate components for recycling
Electricals - Small mixed goods	654.14	0.00	0.00	969.17	SIMS Group Uk		0.00	Broken down into separate components for recycling
Paper	347.03	0.00	0.00	281.27	Kier	Palm Paper, Saddlebow Paper Mill Poplar Ave, Kings Lynn, Norfolk PE34 3AL	0.00	Reprocessed into 100% recycled paper for newsprint
Plasterboard / Gypsum based products	102.56	0.00	0.00	14.24	Viridor (Commercial Recycling) Southwood, Evercreech BA4 6LX		0.00	Shredded and either sent for use in either manufacture of new plasterboard or cement
	229.74	0.00	0.00	31.89	Hills Waste Solutions, Wiltshire SN11 8RE		0.00	Shredded and either sent for use in either manufacture of new plasterboard or cement
Mixed Plastics	33.72	0.00	0.00	40.97	Kier	J & A Young (Jayplas), Unit 15, Saxon Way, Oakley Hay Industrial Estate, Corby NN18 9EX	0.00	Sorted, graded and shredded. Recycled into new plastic items including pipes, films, compost bins and fleece jackets
Rubble	3,961.65	0.00	0.00	35.57	Bath & North East Somerset Council	MJ Church Plant, Star Farm, Marshfield	0.00	Screen and crushed to for resale as aggregates
Scrap Metal	1,371.08	0.00	0.00	3069.69	SIMS Metals, Avonmouth		0.00	Separated by metal type and recycled
TV's & Monitors	151.02	0.00	0.00	0.00	Mekatek, Wales		0.00	Broken down into separate components for recycling
Tyres	10.74	0.00	0.00	20.51	Black Ram, Highbridge	Western Tyres, Avonmouth	0.00	Shredded and used to make new rubber products such as new tyres and running tracks
Vegetable Oil	5.10	0.00	0.00	0.00	Oleco (C&D Oils Ltd.), Newport		0.00	Reprocessed into Biodiesel and lubricants
Wood	2,708.53	0.00	0.00	3456	Bath & North East Somerset Council	South West Wood, Clifton Moor, Penrith, Cumbria CA10 2EY	0.00	Chipped for reuse in new products

OTHER RECYCLING	RECYCLED (TONNES)	ENERGY RECOVERY (TONNES)	REUSED (TONNES)	CARBON SAVED (TONNES CO <sub>2</sub> EQUIVALENT)	COLLECTION CONTRACTOR	REPROCESSOR	EXPORTED (TONNES)	END USE
Leaf litter from street sweepings	0.00	0.00	0.00	0.00	Bath & North East Somerset Council	Bracken Down Ltd. On farm composting at Green Ore	0.00	Composted for agricultural use on site
	0.00	0.00	0.00	0.00	Bath & North East Somerset Council	Hills Waste Management, Calne, Wiltshire	0.00	Reprocessed into usable compost
	0.00	0.00	0.00	0.00	Bath & North East Somerset Council	Viridor Waste Ltd, Composting facility at Caste Cary	0.00	
Other mixed items	0.00	0.00	0.06	0.00	Residents of Bath & North East Somerset	Residents of Bath & North East Somerset	0.00	Reused by residents of Bath & North East Somerset
WASTE RECOVERED FROM WEEKLY COUNCIL BLACK SACK COLLECTION	RECYCLED (TONNES)	ENERGY RECOVERY (TONNES)	REUSED (TONNES)	CARBON SAVED (TONNES CO <sub>2</sub> EQUIVALENT)	CONTRACTOR	REPROCESSOR	EXPORTED (TONNES)	END USE
Aluminium	0.00	0.00	0.00	0.00	New Earth Solutions, Avonmouth	Alutrade Limited, Langley Forge House, Tat Bank Road, Oldbury, West Midlands, B69 4NH	0.00	Remelted for production of new aluminium products
	0.00	0.00	0.00	0.00	New Earth Solutions, Avonmouth	Sims Group UK Ltd, Royal Edward Dock, Avonmouth, Bristol, BS11 9BT	0.00	Remelted for production of new aluminium products
Steel	1.38	0.00	0.00	2.47	New Earth Solutions, Avonmouth	Sims Group UK Ltd, Royal Edward Dock, Avonmouth, Bristol, BS11 9BT	0.00	Remelted for production of new ferrous products
	13.86	0.00	0.00	24.94	New Earth Solutions, Avonmouth	European Metal Recycling, Alexandra Dock 1, Bootle, Liverpool L20 1BX	0.00	Remelted for production of new ferrous products
	4.46	0.00	0.00	8.02	New Earth Solutions, Avonmouth	Alutrade Limited, Langley Forge House, Tat Bank Road, Oldbury, West Midlands, B69 4NH	0.00	Remelted for production of new ferrous products
	76.09	0.00	0.00	136.90	New Earth Solutions, Avonmouth	Ward Bros (Steel) Ltd, Cleveland House, Cleveland Street, Darlington, County Durham DL1 2PE	0.00	Remelted for production of new ferrous products
	0.00	0.00	0.00	0.00	New Earth Solutions, Avonmouth	Alutrade Limited, Howard Road, Park Farm Industrial Estate, Redditch, B98 7SE	0.00	Remelted for production of new ferrous products
	29.90	0.00	0.00	53.80	Hills MBT	E Shanley & Son (Trowbridge) Ltd, 43 Shaills Lane, Trowbridge, Wilts BA14 8LN	0.00	Remelted for production of new ferrous products
Mixed Cans	18.20	0.00	0.00	72.16	Hills MBT	E Shanley & Son (Trowbridge) Ltd, 43 Shaills Lane, Trowbridge, Wilts BA14 8LN	0.00	Remelted for production of new metal products
Compost like material	574.12	0.00	0.00	0.00	New Earth Solutions, Avonmouth	4 Recycling c/o Imerys Minerals Ltd, Dubbers Restoration Area, Nanpean, Cornwall	0.00	Used for landfill site restoration
Other - RDF / Energy Recovery	0.00	565.97	0.00	20.97	New Earth Solutions, Avonmouth	AVR Afvalverwerking BV, ProfesorGerbrandwyeg 10, 3197 KK Rotterdam-Boilek, The Netherlands	565.97	Exported for energy recovery
	0.00	1,178.19	0.00	43.65	New Earth Solutions, Avonmouth	HVC Afvalcentrale locale Dordrecht, Baanhoekweg 40, 3313 LA DORDRECHT, The Netherlands	1,178.19	Exported for energy recovery
	0.00	72.32	0.00	2.68	New Earth Solutions, Avonmouth	AVG Koln mbH, Geestemunder Str.23, 50735 Koln, Germany	72.32	Exported for energy recovery
	0.00	571.81	0.00	21.18	New Earth Solutions, Avonmouth	N&P Hamburger Rieger GmbH, An der heide B 5, D-03130 Spremburg-Schwarze Pumpe, Germany	571.81	Exported for energy recovery
	0.00	78.66	0.00	2.91	New Earth Solutions, Avonmouth	Associate British Ports Holdings Ltd, Shed No.7, Westside Road, Royal Dock, Grimsby, North East Lincolnshire DN31 3TF	78.66	Exported for energy recovery
	0.00	346.52	0.00	12.84	New Earth Solutions, Avonmouth	Weener Energie GmbH & Co, Dr-Werner-Klingele Strasse 1, 26826 Weener, Germany	346.52	Exported for energy recovery
	0.00	653.51	0.00	24.21	New Earth Solutions, Avonmouth	Attero, Moerdijk AEC, Middenweg 34, 4782 PM Moerdijk, Postbus 4114, 6080 AC Haalen, Netherlands	0.00	Energy recovery
	0.00	232.49	0.00	8.61	New Earth Solutions, Avonmouth	BIR Avfallsenergi AS, Conrad Mohrsveg 15, 5072 Bergen, Norway	0.00	Treatment & recovery
	0.00	77.33	0.00	2.86	New Earth Solutions, Avonmouth	Viridor Waste Management Limited, Cardiff Energy Recovery Facility, Trident Park, Cardiff, CF24 5EN	0.00	Treatment & recovery
	0.00	145.44	0.00	5.39	New Earth Solutions, Avonmouth	Midland Waste Treatment Ltd., Bull Lane Works Waste Treatment & Transfer Station, Brandon Way, West Bromwich, West Midlands B70 9PQ	0.00	Treatment & recovery
	0.00	2,181.85	0.00	80.83	New Earth Solutions, Avonmouth	DFDS Seaways PLC, Nordic House, Western Access Road, Immingham Dock, Immingham, North Lincolnshire DN40 2LZ	2,181.85	Exported for energy recovery
	0.00	228.63	0.00	8.47	New Earth Solutions, Avonmouth	Affaldplus I/S, Ved Fjorden 20, Naestved, DK-4700, Denmark	228.63	Exported for energy recovery

	0.00	172.98	0.00	6.41	New Earth Solutions, Avonmouth	ARGO I/S, Hundvaerkervej, 70 4000 Roskilde, Denmark	0.00	Energy recovery
	0.00	310.56	0.00	11.51	New Earth Solutions, Avonmouth	Severnside Energy Recovery Centre, Severn Road, Severnside, Hallen, South Gloucestershire BS10 7SP	0.00	Energy recovery
	0.00	381.48	0.00	14.13	New Earth Solutions, Avonmouth	EGK Entsorgungsgesellschaft Krefeld GmbH & Co. KG Parkstrasse 234 Krefeld D-47812 Germany	381.48	Exported for energy recovery
	0.00	159.02	0.00	5.89	New Earth Solutions, Avonmouth	Fjernvarme Fyn Affaldsenergi A/S, Havnegade 1205000 Odense C Denmark	159.02	Exported for energy recovery
	0.00	199.58	0.00	7.39	New Earth Solutions, Avonmouth	ARC I/S Amager Resource Center Kraftvaerksvej 31 DK - 2300 Kobenhavn, Denmark	199.58	Exported for energy recovery
	0.00	1,347.00	0.00	49.9	Hills MBT	GMVA Neiderhein GmbH, Buschhausener Str., D-46049, Oberhausen, Germany	0.00	Exported for energy recovery
	0.00	1,067.00	0.00	39.53	Hills MBT	AEB Exploitie BV, Australiehavenweg 21, 1045 BA Amsterdam, Netherlands	0.00	Exported for energy recovery
	0.00	7,789.21	0.00	288.56	SUEZ, Avonmouth	Severnside Energy Recovery Centre (SERC), Severn Road, Severnside, Hallen, South Gloucestershire BS10 7SP	0.00	Energy recovery
	0.00	0.00	0.00	0	SUEZ, Avonmouth	SITA Waste Handling Ltd., Benedict Wharf, Benedict Road, Mitcham, Surrey CR4 3BQ	0.00	Energy recovery
	0.00	0.00	0.00	0	SUEZ, Avonmouth	SUEZ Recycling & Recovery UK Ltd., 11 EFW Plant, Wilton International, Middlesbrough, Cleveland TS90 8WS	0.00	Energy recovery
	0.00	1,222.90	0.00	45.3	SUEZ, Avonmouth	SITA Solent Ltd., Enterprise Park, Military Road, Fareham, Hampshire PO16 8TU	0.00	Energy recovery
Other - Air Pollution Control Residue (APCR)	82.92	0.00	0.00	0.22	SUEZ (SERC), Avonmouth	Castle Waste Services, Cardiff, Old Clipper Road, Roath Dock, Cardiff CF10 4LX	0.00	Recycled: used as fines aggregate in pre-cast concrete, i.e. blocks
	193.48	0.00	0.00	0.50	SUEZ (SERC), Avonmouth	Castle Waste Services, Stoke, Chemical Lane, Stoke-on-Trent ST6 4PB	0.00	Recycled: used as fines aggregate in pre-cast concrete, i.e. blocks