

Recycling & recovery end use register 2016/17

In 2016-17, over 45,000 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 2016-17 was 0.60%.

In total we exported just over 17% of the 45,000 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 18,1826 tonnes of waste to this facility in 2016-17, 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 CO₂ (kg CO₂/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 2016-17, over 29,000 tonnes of CO₂ 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 ₂ EQUIVALENT)	COLLECTION CONTRACTOR	REPROCESSOR	EXPORTED (TONNES)	END USE
Aluminium Foil	0.00	0.00	0.00	0.00	Kier	Novelis UK Ltd., Warrington	0.00	Remelted for production of new aluminium cans
	66.00	0.00	0.00	611.6	Kier	Novelis UK Ltd., Warrington	0.00	
Aluminium Cans	23.84	0.00	0.00	220.92	Kier	Sita / Suez Avonmouth, Avonmouth Resource Park, Merebank Road, Off Kings Weston Road, Bristol BS11 9FG	0.00	Reprocessed into new products
	7.78	0.00	0.00	72.09	Kier	PURE, Warwick road, Ettington, Stratford Upon Avon CV37 7PN	0.00	Reprocessed into new products
Steel Cans	385.32	0.00	0.00	693.26	Kier	Morris Metals, Cowbridge, South Glamorgan	0.00	Used in new steel products
	81.21	0.00	0.00	146.11	Kier	Sita / Suez Avonmouth, Avonmouth Resource Park, Merebank Road, Off Kings Weston Road, Bristol BS11 9FG	0.00	Reprocessed into new products
	43.66	0.00	0.00	78.55	Kier	PURE, Warwick road, Ettington, Stratford Upon Avon CV37 7PN	0.00	Reprocessed into new products
Car Batteries	3.76	0.00	0.00	2.12	Kier	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	2,265.20	0.00	0.00	2025.54	Kier	D S Smith Recycling, Avon Mill Lane, Bristol	0.00	Reprocessed into new cardboard
	708.80	0.00	0.00	633.81	Kier	Edwards Recycling, The Recycling Centre, Essex LG11 0JD	0.00	Reprocessed into new cardboard
Clothing & Footwear	121.99	0.00	0.00	247.38	Kier	Wilcox reclaimers, Beldray Road Bilston w.m. WV14 7NH	109.79	Exported to Africa, Eastern Europe and Indian sub-continent
Engine Oil	3.30	0.00	0.00	2.39	Kier	Eco-Oil Ltd, Newport, South Wales	0.00	Reprocessed into low -grade fuel oil for asphalt plants and generators
Food Waste	2,612.70	0.00	0.00	1278.33	Kier	Malaby Biogas Ltd Bore Hill Farm Biodigester Deverill Road Warminster BA12 8BF	0.00	Reprocessed into useable compost, & for agricultural use
	1,669.51	0.00	0.00	816.85	Kier	GENeco, Wessex Water Composting Facility, Avonmouth	0.00	Composted by anaerobic digestion for use on farmland
Fridges & Freezers	25.60	0.00	0.00	16.79	Bath & North East Somerset Council	Sims, Gatton Road, Bristol BS2 9SH	0.00	Degassed and broken up into separate components for recycling
Garden Waste	6,825.63	0.00	0.00	1853.16	Bath & North East Somerset Council	RM Penny, On farm composting at Green Ore	0.00	Composted for agricultural use on site
	241.99	0.00	0.00	65.7		Phoenix Green Solutions Mayshill Industrial Estate Frampton Cotterell South Glos BS36 2NS	0.00	Reprocessed into usable compost
	249.38	0.00	0.00	67.71		Viridor Waste Ltd, Composting facility at Castle Cary	0.00	
Mixed Glass	4,584.17	0.00	0.00	1070	Kier	Recresco, Unit 60, Springvale Industrial Estate, Cwmbran NP44 5BE	0.00	Reprocessed into new bottles and jars
Household Batteries	4.16	0.00	0.00	2.34	Kier	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	3,921.50	0.00	0.00	3178.43	Kier	Palm Paper, Saddlebow Paper Mill Poplar Ave, Kings Lynn. Norfolk PE34 3AL	0.00	Reprocessed into 100% recycled paper for newsprint
Mixed Plastics	1,083.93	0.00	0.00	1317	Kier	Roydon Group PLC, Unit 1-3 Junction Business Park, Rake Lane, Swinton, Manchester M27 8LR	0.00	Sorted, graded and shredded. Recycled into new plastic items including pipes, films, compost bins and fleece jackets
	233.81	0.00	0.00	284.09	Kier	Sita / Suez Avonmouth, Avonmouth Resource Park, Merebank Road, Off Kings Weston Road, Bristol BS11 9FG	0.00	Reprocessed into new products
	125.68	0.00	0.00	152.7	Kier	PURE, Warwick road, Ettington, Stratford Upon Avon CV37 7PN	0.00	Reprocessed into new products
Toner Cartridges	0.66	0.00	0.00	0.00	Kier	Safecycleen, 202, Longmead Road Bristol BS16 7FG	0.00	Re-filled and re-used, or recycled.
Small WEEE	28.30	0.00	0.00	41.93	Kier	Sims, Gatton Road, Bristol BS2 9SH	0.00	Individual components recycled
BRING BANKS	RECYCLED (TONNES)	ENERGY RECOVERY (TONNES)	REUSED (TONNES)	CARBON SAVED (TONNES CO ₂ EQUIVALENT)	COLLECTION CONTRACTOR	REPROCESSOR	EXPORTED (TONNES)	END USE
Aluminium Cans	0.00	0.00	0.00	0.00	Kier	Novelis UK Ltd., Warrington	0.00	Smelted into aluminium ingots for production of new aluminium cans
Steel Cans	0.00	0.00	0.00	0.00	Kier	Morris Metals, Doncaster DN11 0PS	0.00	Used in new steel products
Paper - Books	0.00	0.00	3.28	0.00	Oxfam	Oxfam	0.00	Sold in charity shops, if not sold recycled by Precycle
	0.00	0.00	2.73	0.00	British Heart Foundation	British Heart Foundation	0.00	Sold in charity shops, if not sold recycled
Textiles	0.00	0.00	0.00	0.00	Oxfam	Waste Saver	0.00	Majority sent abroad, if unsuitable then recycled
	0.00	0.00	4.71	28.2	Traid	Lawrence M Barry & Co	4.71	Sold in charity shops or sent abroad to Africa and Eastern Europe
	0.00	0.00	6.45	38.59	Green World Recycling	Green World Recycling	6.45	Majority sent abroad to Eastern Europe if unsuitable then recycled
	0.00	0.00	10.27	61.5	Bag it Up	Bag it Up	10.27	Majority sent abroad, if unsuitable then recycled
	0.00	0.00	3.16	18.94	British Heart Foundation	British Heart Foundation	0.00	Sold in charity shops or recycled by local rag merchant
	0.00	0.00	4.68	28.04	Planet Aid	Planet Aid	4.68	Majority sent abroad, if unsuitable then recycled
Shoes/Textiles	0.00	0.00	9.53	19.32	European Recycling Company	European Recycling Company	9.53	Majority sent abroad, if unsuitable then recycled

RECYCLING CENTRES	RECYCLED (TONNES)	ENERGY RECOVERY (TONNES)	REUSED (TONNES)	CARBON SAVED (TONNES CO ₂ EQUIVALENT)	COLLECTION CONTRACTOR	REPROCESSOR	EXPORTED (TONNES)	END USE
Bicycles	0.00	0.00	5.16	0.00	Jole Rider, local charity		0.00	Reconditioned for reuse
Bric-a-brac	0.00	0.00	0.00	0.00	Shaw Trust, local charity		0.00	Sold on for reuse
Books	0.00	0.00	72.92	0.00	British Heart Foundation		0.00	Sold on in shops for reuse
Mixed Cans	9.49	0.00	0.00	37.63	Kier	Novelis UK Ltd., Warrington	0.00	Used in new products
	2.91	0.00	0.00	11.54	Kier	Sita / Suez Avonmouth, Avonmouth Resource Park, Merebank Road, Off Kings Weston Road, Bristol BS11 9FG	0.00	Reprocessed into new products
	0.78	0.00	0.00	3.09	Kier	PURE, Warwick road, Ettington, Stratford Upon Avon CV37 7PN	0.00	Reprocessed into new products
Car Batteries	35.00	0.00	0.00	19.71	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	650.14	0.00	0.00	581.36	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
Cardboard & Paper (Mixed)	0.00	0.00	0.00	0.00	Bath & North East Somerset Council Kier	Newport Paper Company Aston House, 3 Springfield Industrial Estate, Newport, Shropshire, TF10 7NB	0.00	Reprocessed into new paper/card
Clothing	0.00	0.00	232.64	1392.79	Kier	Wilcox reclaimers, Beldray Road Bilston w.m. WV14 7NH	209.37	Exported to Africa, Eastern Europe and Indian sub-continent
Food Waste	5.48	0.00	0.00	2.68	Bath & North East Somerset Council M J Church	Malaby Biogas Ltd Bore Hill Farm Biodigester Deverill Road Warminster BA12 8BF	0.00	Reprocessed into useable compost, & for agricultural use
	7.68	0.00	0.00	3.76	Bath & North East Somerset Council M J Church	GENeco, Wessex Water Composting Facility, Avonmouth	0.00	Composted by anaerobic digestion for use on farmland
Footwear	0.00	0.00	40.08	0.00	European Recycling Company		40.08	Exported to developing countries for reuse
Engine Oil	17.50	0.00	0.00	12.69	West Oils Environmental, Gloucester		0.00	Reprocessed into low-grade fuel oil for asphalt plants and generators
Fluorescent Tubes	3.69	0.00	0.00	0.00	Mercury Recycling Ltd, Manchester		0.00	Separated into component fractions and recycled
Fridges & Freezers	208.81	0.00	0.00	136.98	Sims		0.00	Degassed and broken up into separate components for recycling
Furniture	0.00	0.00	16.42	15.12	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	1,522.79	0.00	0.00	413.44	Bath & North East Somerset Council	RM Penny. On farm composting at Green Ore	0.00	Composted for agricultural use on site
	2,470.57	0.00	0.00	670.76		Viridor Waste Ltd, Composting facility at Caste Cary	0.00	Reprocessed into usable compost
	585.79	0.00	0.00	159.04		Phoenix Green Solutions Mayhill Industrial Estate Frampton Cotterell South Glos BS36 2NS	0.00	
Gas Bottles	0.00	0.00	1.29	0.00	Bale Group Ltd, Honiton		0.00	Reuse if returnable otherwise materials are recycled
	0.00	0.00	19.17	0.00	Environmental Concern Limited, Birmingham		0.00	Reuse if returnable otherwise materials are recycled
Mixed Glass	209.54	0.00	0.00	48.91	Kier	Recresco, Unit 60, Springvale Industrial Estate, Cwmbran NP44 5BE	0.00	Reprocessed into new bottles and jars
Electricals - White goods	84.64	0.00	0.00	107.13	SIMS Group Uk		0.00	Broken down into separate components for recycling
Electricals - Small mixed goods	618.01	0.00	0.00	915.64	SIMS Group Uk		0.00	Broken down into separate components for recycling
Paper	309.19	0.00	0.00	250.6	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	119.18	0.00	0.00	16.55	Viridor (Commercial Recycling) Southwood, Evercreech BA4 6LX		0.00	Shredded and either sent for use in either manufacture of new plasterboard or cement
	221.22	0.00	0.00	30.71	Hills Waste Solutions, Wiltshire SN11 8RE		0.00	Shredded and either sent for use in either manufacture of new plasterboard or cement
Mixed Plastics	22.97	0.00	0.00	27.91	Kier	Roydon Group PLC, Unit 1-3 Junction Business Park, Rake Lane, Swinton, Manchester M27 8LR	0.00	Sorted, graded and shredded. Recycled into new plastic items including pipes, films, compost bins and fleece jackets
	8.97	0.00	0.00	10.90	Kier	Sita / Suez Avonmouth, Avonmouth Resource Park, Merebank Road, Off Kings Weston Road, Bristol BS11	0.00	Sorted, graded and shredded. Recycled into new plastic items including pipes, films, compost bins and fleece jackets
Rubble	4,755.94	0.00	0.00	42.7	Bath & North East Somerset Council	MJ Church Plant, Star Farm, Marshfield	0.00	Screen and crushed to for resale as aggregates
Scrap Metal	1,381.92	0.00	0.00	3093.96	SIMS Metals, Avonmouth		0.00	Separated by metal type and recycled
TV's & Monitors	181.72	0.00	0.00	0.00	Mekatek, Wales		0.00	Broken down into separate components for recycling
Tyres	44.82	0.00	0.00	85.6	RJ Kings, Farrington Gurney	Western Tyres, Avonmouth	0.00	Shredded and used to make new rubber products such as new tyres and running tracks
Vegetable Oil	4.85	0.00	0.00	0.00	Oleco (C&D Oils Ltd.), Newport		0.00	Reprocessed into Biodiesel and lubricants
WEEE Reuse	0.00	0.00	3.31	0	Sofa Project		0.00	Repaired/refurbished to be sold in shops. If beyond repair either used for spare parts or broken down for recycling
Wood	3,640.35	0.00	0.00	4644.97	Bath & North East Somerset Council	Viridor Waste Ltd, Filton Transfer Station, Bristol	0.00	Chipped for reuse in new products

OTHER RECYCLING	RECYCLED (TONNES)	ENERGY RECOVERY (TONNES)	REUSED (TONNES)	CARBON SAVED (TONNES CO ₂ 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	0.00	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 ₂ EQUIVALENT)	CONTRACTOR	REPROCESSOR	EXPORTED (TONNES)	END USE
Aluminium	6.89	0.00	0.00	63.88	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
	0.13	0.00	0.00	1.22	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	22.77	0.00	0.00	40.97	New Earth Solutions, Avonmouth	Sims Group UK Ltd, Royal Edward Dock, Avonmouth, Bristol, BS11 9BT	0.00	Remelted for production of new ferrous products
	223.73	0.00	0.00	402.53	New Earth Solutions, Avonmouth	Europeon Metal Recycling, Alexandra Dock 1, Bootle, Liverpool L20 1BX	0.00	Remelted for production of new ferrous products
	2.56	0.00	0.00	4.61	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
	18.15	0.00	0.00	32.66	New Earth Solutions, Avonmouth	EMR Midland shredders Ltd, Landor Street, Nechells, Birmingham, B8 1AE	0.00	Remelted for production of new ferrous products
	2.39	0.00	0.00	4.30	New Earth Solutions, Avonmouth	Alutrade Limited, Howard Road, Park Farm Industrial Estate, Redditch, B98 7SE	0.00	Remelted for production of new ferrous products
	61.13	0.00	0.00	109.98	New Earth Solutions, Avonmouth	Metalis Urban Mining Ltd, Unit 6, New Dunn Works, Slings, Coleford, Glos GL16 8JD	0.00	Remelted for production of new ferrous products
	Compost like material	1,806.17	0.00	0.00	0.00	New Earth Solutions, Avonmouth	4 Recycling c/o Imerys Minerals Ltd, Dubbers Restoration Area, Nanpean, Cornwall	0.00
Other - RDF / Energy Recovery	0.00	627.78	0.00	23.26	New Earth Solutions, Avonmouth	AVR Afvalverwerking BV, Profesor Gerbrandyweg 10, 3197 KK Rotterdam-Boilek, The Netherlands	627.78	Exported for energy recovery
	0.00	3,630.55	0.00	134.5	New Earth Solutions, Avonmouth	HVC Afvalcentrale locale Dordrecht, Baanhoekweg 40, 3313 LA DORDRECHT, The Netherlands	3,630.55	Exported for energy recovery
	0.00	65.74	0.00	2.44	New Earth Solutions, Avonmouth	AVG Koln mbH, Geestemunder Str.23, 50735 Kolm, Germany	65.74	Exported for energy recovery
	0.00	1,337.38	0.00	49.54	New Earth Solutions, Avonmouth	N&P Hamburger Rieger GmbH, An der heide B 5, D-03130 Spremburg-Schwarze Pumpe, Germany	1,337.38	Exported for energy recovery
	0.00	4,845.74	0.00	179.52	New Earth Solutions, Avonmouth	Bertling Enviro AB, Tekniska verken I Linkoping AB, Box 1500, 581 15 Linkoping, Sweden	4,845.74	Exported for energy recovery
	0.00	171.62	0.00	6.36	New Earth Solutions, Avonmouth	Weener Energie GmbH & Co, Dr-Werner-Klinge Strasse 1, 26826 Weener, Germany	171.62	Exported for energy recovery
	0.00	2,214.72	0.00	82.05	New Earth Solutions, Avonmouth	Avonmouth BioPower, Kings Weston Lane, Avonmouth, Bristol BS11 8AZ	0.00	Energy recovery
	0.00	107.68	0.00	3.99	New Earth Solutions, Avonmouth	Bankwood Processing Limited, Bankwood Lane, Rossington, Doncaster, South Yorkshire, DN11 0PS	0.00	Treatment & recovery
	0.00	17.48	0.00	0.65	New Earth Solutions, Avonmouth	Premier Waste (UK) Holdings Plc, 209-211 Walsall Road, Perry Barr, Birmingham, West Midlands B42 1TY	0.00	Treatment & recovery
	0.00	2,636.50	0.00	97.67	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	399.53	0.00	14.8	New Earth Solutions, Avonmouth	DFDS Seaways PLC, Nordic House, Western Access Road, Immingham Dock, Immingham, North Lincolnshire DN40 2LZ	399.53	Exported for energy recovery
	0.00	4.78	0.00	0.18	New Earth Solutions, Avonmouth	Port of Sheerness Ltd., Sheerness Docks, Sheerness, Kent ME12 1RS	4.78	Exported for energy recovery
	0.00	54.48	0.00	2.02	New Earth Solutions, Avonmouth	Cornwall Energy Recovery Centre, St Dennis, St Austell, Cornwall PL26 8DY	0.00	Energy recovery

	0.00	6.09	0.00	0.23	New Earth Solutions, Avonmouth	Sevenside Energy Recovery Centre, Severn Road, Sevenside, Hallen, South Gloucestershire BS10 7SP	0.00	Energy recovery
	0.00	116.03	0.00	4.3	New Earth Solutions, Avonmouth	EGK Entsorgungsgesellschaft Krefeld GmbH & Co. KG Parkstrasse 234 Krefeld D-47812 Germany	116.03	Exported for energy recovery
	0.00	474.71	0.00	17.59	New Earth Solutions, Avonmouth	MVV Umwelt Asset GmbH, An der B91, D-0637 Leuna, Germany	474.71	Exported for energy recovery
	0.00	5,886.18	0.00	218.06	SUEZ, Avonmouth	Sevenside Energy Recovery Centre (SERC), Severn Road, Sevenside, Hallen, South Gloucestershire BS10 7SP	0.00	Energy recovery
	0.00	601.65	0.00	22.29	SUEZ, Avonmouth	SITA Waste Handling Ltd., Benedict Wharf, Benedict Road, Mitcham, Surrey CR4 3BQ	0.00	Energy recovery
	0.00	303.26	0.00	11.23	SUEZ, Avonmouth	SUEZ Recycling & Recovery UK Ltd., 11 EFW Plant, Wilton International, Middlesbrough, Cleveland TS90 8WS	0.00	Energy recovery
	0.00	1,000.64	0.00	37.07	SUEZ, Avonmouth	SITA Solent Ltd., Enterprise Park, Military Road, Fareham, Hampshire PO16 8TU	0.00	Energy recovery
Other - Air Pollution Control Residue (APCR)	75.27	0.00	0.00	0.20	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
	68.48	0.00	0.00	0.18	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