

Recycling & recovery end use register 2015/16

In 2015-16, 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 2015-16 was 0.50%.

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 24,350 tonnes of waste to this facility in 2015-16, 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 2015-16, over 27,500 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	Kier	Novelis UK Ltd., Warrington	0.00	Remelted for production of new aluminium cans
Aluminium Cans	136.08	0.00	0.00	1261	Kier	Novelis UK Ltd., Warrington	0.00	
Steel Cans	411.45	0.00	0.00	740.28	Kier	Morris Metals, Doncaster DN11 0PS	0.00	Used in new steel products
Car Batteries	8.59	0.00	0.00	4.84	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	1,999.63	0.00	0.00	1788.07	Kier	D S Smith Recycling, Avon Mill Lane, Bristol	0.00	Reprocessed into new cardboard
	603.70	0.00	0.00	539.83	Kier	Edwards Recycling, The Recycling Centre, Essex LG11 0JD	0.00	Reprocessed into new cardboard
Clothing & Footwear	88.26	0.00	0.00	178.99	Kier	Bristol Textiles Recyclers Ltd, Bristol BS2 0TD	79.43	Exported to Africa, Eastern Europe and Indian sub-continent
Co-Mingled	101.40	0.00	0.00	0	Kier	Pure Recycling, Warwickshire	0.00	Reprocessed into new products
Engine Oil	4.08	0.00	0.00	2.96	Kier	Eco-Oil Ltd, Avonmouth	0.00	Reprocessed into low-grade fuel oil for asphalt plants and generators
Food Waste	4,008.36	0.00	0.00	1961.19	Kier	Malaby Biogas Ltd Bore Hill Farm Biodigester Deverill Road Warminster BA12 8BF	0.00	Reprocessed into useable compost, & for agricultural use
Fridges & Freezers	19.68	0.00	0.00	12.91	Bath & North East Somerset Council	Sims Gatton Road Bristol BS2 9SH	0.00	Degassed and broken up into separate components for recycling
Garden Waste	6,692.10	0.00	0.00	1816.9	Bath & North East Somerset Council	Bracken Down Ltd. On farm composting at Green Ore	0.00	Composted for agricultural use on site
	52.20	0.00	0.00	14.17		Hills Waste Management, Calne, Wiltshire	0.00	Reprocessed into usable compost
	135.22	0.00	0.00	36.71		Viridor Waste Ltd, Composting facility at Caste Cary	0.00	
Mixed Glass	4,458.60	0.00	0.00	1040.69	Kier	Recresco, Unit 60, Springvale Industrial Estate, Cwmbran NP44 5BE	0.00	Reprocessed into new bottles and jars
Household Batteries	7.89	0.00	0.00	4.44	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	1,069.01	0.00	0.00	866.45	Kier	Aylesford Newsprint Ltd. Kent	0.00	Reprocessed into 100% recycled paper for newsprint
	3,112.46	0.00	0.00	2522.69	Kier		0.00	Reprocessed into 100% recycled paper for newsprint
Mixed Plastics	1,258.25	0.00	0.00	1528.81	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
Toner Cartridges	2.14	0.00	0.00	0	Kier	Greensource Solutions, Bristol	0.00	Re-filled and re-used, or recycled.
Small WEEE	40.52	0.00	0.00	60.03	Kier	Sims	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	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	Kier	Morris Metals, Doncaster DN11 0PS	0.00	Used in new steel products
Paper - Books	0.00	0.00	3.01	0	Oxfam	Oxfam	0.00	Sold in charity shops, if not sold recycled by Precycle
	0.00	0.00	5.70	0	British Heart Foundation	British Heart Foundation	0.00	Sold in charity shops, if not sold recycled
Textiles	0.00	0.00	0.00	0	Oxfam	Waste Saver	0.00	Majority sent abroad, if unsuitable then recycled
	0.00	0.00	2.63	15.76	Traid	Lawrence M Barry & Co	2.63	Sold in charity shops or sent abroad to Africa and Eastern Europe
	0.00	0.00	7.55	45.2	Green World Recycling	Green World Recycling	7.55	Majority sent abroad to Eastern Europe if unsuitable then recycled
	0.00	0.00	9.09	54.4	Bag it Up	Bag it Up	9.09	Majority sent abroad, if unsuitable then recycled
	0.00	0.00	18.65	111.64	British Heart Foundation	British Heart Foundation	0.00	Sold in charity shops or recycled by local rag merchant
	0.00	0.00	1.56	9.34	Planet Aid	Planet Aid	1.56	Majority sent abroad, if unsuitable then recycled
Shoes/Textiles	0.00	0.00	6.20	12.57	European Recycling Company,	European Recycling Company,	6.20	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	4.96	0	Jole Rider, local charity		0.00	Reconditioned for reuse
Bric-a-brac	0.00	0.00	0.00	0	Shaw Trust, local charity		0.00	Sold on for reuse
Books	0.00	0.00	100.07	0	British Heart Foundation		0.00	Sold on in shops for reuse
Mixed Cans	12.76	0.00	0.00	50.59	Kier	Novelis UK Ltd., Warrington	0.00	Used in new products
Car Batteries	37.99	0.00	0.00	21.39	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	634.80	0.00	0.00	567.64	Bath & North East Somerset Council & May Gurney Ltd.	Newport Paper Company Aston House, 3 Springfield Industrial Estate, Newport, Shropshire, TF10 7NB	0.00	Reprocessed into new cardboard
Cardboard & Paper (Mixed)	2.14	0.00	0.00	1.87	Bath & North East Somerset Council & May Gurney Ltd.	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	220.94	1322.74	Kier	Bristol Textiles Recyclers Ltd, Bristol BS2 0TD	198.84	Exported to Africa, Eastern Europe and Indian sub-continent
Food Waste	4.58	0.00	0.00	0	MJ Church	Malaby Biogas Ltd Bore Hill Farm Biodigester Deverill Road Warminster BA12 8BF	0.00	Reprocessed into useable compost, & for agricultural use
Footwear	0.00	0.00	28.99	0	European Recycling Company,		28.99	Exported to developing countries for reuse.
Engine Oil	18.52	0.00	0.00	13.43	West Oils Environmental, Gloucester		0.00	Reprocessed into low -grade fuel oil for asphalt plants and generators
Fluorescent Tubes	2.86	0.00	0.00	0	Mercury Recycling Ltd, Manchester		0.00	Separated into component fractions and recycled
Fridges & Freezers	203.24	0.00	0.00	133.33	Sims		0.00	Degassed and broken up into separate components for recycling
Furniture	0.00	0.00	16.70	15.38	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	1,595.82	0.00	0.00	433.27	Bath & North East Somerset Council	Bracken Down Ltd. On farm composting at Green Ore	0.00	Composted for agricultural use on site
	1,629.32	0.00	0.00	442.36		Viridor Waste Ltd, Composting facility at Caste Cary	0.00	Reprocessed into usable compost
	1,085.73	0.00	0.00	294.78		Hills Waste Management, Calne, Wiltshire	0.00	
Gas Bottles	0.00	0.00	9.95	0	Bale Group Ltd, Honiton			Reuse if returnable otherwise materials are recycled
Mixed Glass	188.39	0.00	0.00	43.97	Kier	O-I Manufacturing UK., Harlow, Doncaster or Knottingley	0.00	Reprocessed into new bottles and jars
Electricals - White goods	110.22	0.00	0.00	139.5	SIMS Metals, Newport	Valpack, Warwickshire	0.00	Broken down into separate components for recycling
Electricals - Small mixed goods	569.10	0.00	0.00	843.18	SIMS Metals, Newport	Valpack, Warwickshire	0.00	Broken down into separate components for recycling
Paper	306.38	0.00	0.00	248.32	Kier	Aylesford Newsprint Ltd. Kent	0.00	Reprocessed into 100% recycled paper for newsprint
Plasterboard / Gypsum based products	142.18	0.00	0.00	19.74	Commercial Recycling		0.00	Shredded and either sent for use in either manufacture of new plasterboard or cement
	207.72	0.00	0.00	28.84	Hills Waste Solutions		0.00	Shredded and either sent for use in either manufacture of new plasterboard or cement
Mixed Plastics	31.66	0.00	0.00	38.47	Kier	Roydon Group PLC, Unit 1-3 Junction Business Park, Rake Lane, Swinton, Manchester	0.00	Sorted, graded and shredded. Recycled into new plastic items including pipes, films, compost bins and fleeces jackets
Rubble	5,093.52	0.00	0.00	45.73	Bath & North East Somerset Council	MJ Church Plant, Star Farm, Marshfield	0.00	Screen and crushed to for resale as aggregates
Scrap Metal	1,328.84	0.00	0.00	2975.12	Sims Metals, Avonmouth		0.00	Separated by metal type and recycled
TV's & Monitors	203.72	0.00	0.00	0	SIMS Metals, Newport	Valpack, Warwickshire	0.00	Broken down into separate components for recycling
Tyres	43.65	0.00	0.00	83.38	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	4.48	0.00	0.00	0	C&D Oils Ltd, Newport		0.00	Reprocessed into Biodiesel and lubricants
WEEE Reuse	0.00	0.00	5.31	3.48	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	3,613.05	0.00	0.00	4610.13	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	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	Bath & North East Somerset Council	Hills Waste Management, Calne, Wiltshire	0.00	Reprocessed into usable compost
	0.00	0.00	0.00	0	Bath & North East Somerset Council	Viridor Waste Ltd, Composting facility at Caste Cary	0.00	
Other mixed items	0.00	0.00	0.69	0	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	8.61	0.00	0.00	0	New Earth Solutions, Avonmouth	Alutrade Limited, Howard Road, Park Farm Industrial Estate, Redditch, B98 7SE	0.00	Remelted for production of new aluminium products
	19.02	0.00	0.00	0	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
Steel	522.55	0.00	0.00	0	New Earth Solutions, Avonmouth	Sims Group UK Limited, Royal Edward Dock, Avonmouth, Bristol BS11 9BT	0.00	Remelted for production of new ferrous products
	37.34	0.00	0.00	0	New Earth Solutions, Avonmouth	Metalis Urban Mining Ltd, Unit 6, New Dunn Works, Sling, Coleford, Glos GL16 8JD	0.00	Remelted for production of new ferrous products
Compost like material	1,187.10	0.00	0.00	0	New Earth Solutions, Avonmouth	4 Recycling, Hatfield Colliery, Spoil Tip, Wagons Way, Stainforth, South Yorkshire, DN7 5TZ	0.00	Used for landfill site restoration
	1,751.74	0.00	0.00	0	New Earth Solutions, Avonmouth	4 Recycling c/o Imerys Minerals Ltd, Dubbers Restoration Area, Nanpean, Cornwall	0.00	Used for landfill site restoration
	130.40	0.00	0.00	0	New Earth Solutions, Avonmouth	4 Recycling, Harworth Colliery Tip Phase 2, Main Area, Area 6, Area 2 flank and track, Blyth Road, Harworth, Nottinghamshire	0.00	Used for landfill site restoration
Other	0.00	251.83	0.00	9.33	New Earth Solutions, Avonmouth	AVR Afvalverwerking BV, Professor Gerbrandyweg 10, 3197 KK Rotterdam-Botlek, The Netherlands	251.83	Exported for energy recovery
	0.00	4,992.39	0.00	184.95	New Earth Solutions, Avonmouth	HVC Afvalcentrale locale Dordrecht, Baanhoekweg 40, 3313 LA DORDRECHT, The Netherlands	0.00	Exported for energy recovery
	0.00	588.42	0.00	21.8	New Earth Solutions, Avonmouth	AVG Koln mbH, Geestemunder Str.23, 50735 Kolm, Germany Registration Number - E31532029	588.42	Exported for energy recovery
	0.00	1,254.53	0.00	46.48	New Earth Solutions, Avonmouth	N&P Hamburger Rieger GmbH, An der heide B 5, D-03130 Spremburg-Schwarze Pumpe, Germany - PA50B0003	1,254.53	Exported for energy recovery
	0.00	2,716.19	0.00	100.63	New Earth Solutions, Avonmouth	Bertling Enviro AB, Tekniska verken i Linkoping AB, Box 1500, 581 15 Linkoping, Sweden	0.00	Exported for energy recovery
	0.00	976.45	0.00	36.17	New Earth Solutions, Avonmouth	Weener Energie GmbH & Co, Dr-Werner-KlingeLe Strasse 1, 26826 Weener, Germany	0.00	Exported for energy recovery
	0.00	33.39	0.00	1.24	New Earth Solutions, Avonmouth	New Earth Solutions Limited, Canford MBT Facility, Magna Road, Wimborne, Dorset, BH21 3AP	0.00	Energy recovery
	0.00	9,182.11	0.00	340.16	New Earth Solutions, Avonmouth	Avonmouth BioPower, Kings Weston Lane, Avonmouth, Bristol BS11 8AZ	9,182.11	Energy recovery
	0.00	698.50	0.00	25.88	New Earth Solutions, Avonmouth	MVV Umwelt Asset GmbH, An der B91, D-0637 Leuna, Germany	0.00	Exported for energy recovery