

Recycling & recovery end use register 2012/13

In 2012-13, over 35,000 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 2012-13 was 1.7%.

In total we exported just over 11% of the 35,000 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 9,505 tonnes of waste to this facility in 2012-13, 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 2012-13, over 32,000 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	6.15	0.00	0.00	56.99	May Gurney Ltd.	Novelis UK Ltd., Warrington	0.00	Remelted for production of new aluminium cans
Aluminium Cans	103.88	0.00	0.00	962.61	May Gurney Ltd.	Novelis UK Ltd., Warrington	0.00	
Steel Cans	460.56	0.00	0.00	828.64	May Gurney Ltd.	Tata Steel, Port Talbot Works, South Wales	460.56	Used in new steel products
Car Batteries	9.64	0.00	0.00	5.43	May Gurney Ltd.	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	2,415.71	0.00	0.00	2160.13	May Gurney Ltd.	DS Smith Recycling (formerly Severnside Recycling Ltd), Keynsham	0.00	Reprocessed into new cardboard
Clothing & Footwear	113.25	0.00	0.00	229.67	May Gurney Ltd.	Wilcox Textile Recycling, Bilston	101.93	Exported to Africa, Eastern Europe and Indian sub-continent
Engine Oil	4.96	0.00	0.00	3.6	May Gurney Ltd.	Eco-Oil Ltd, Avonmouth	0.00	Reprocessed into low-grade fuel oil for asphalt plants and generators
Food Waste	3,901.64	0.00	0.00	1908.97	May Gurney Ltd.	New Earth Solutions, Sharpness Docks, Gloucestershire	0.00	Reprocessed into usable compost, & for agricultural use
Fridges & Freezers	13.92	0.00	0.00	9.13	Bath & North East Somerset Council	CA Recycling, Newport	0.00	Degassed and broken up into separate components for recycling
Garden Waste	3,116.28	0.00	0.00	846.07	Bath & North East Somerset Council	Bracken Down Ltd. On farm composting at Green Ore	0.00	Composted for agricultural use on site
	3,057.92	0.00	0.00	830.23		Hills Waste Management, Calne, Wiltshire	0.00	Reprocessed into usable compost
	283.10	0.00	0.00	76.86		Viridor Waste Ltd, Composting facility at Caste Cary	0.00	
Brown Glass	Combined with the Green glass			0	May Gurney Ltd.	O-I Manufacturing UK., Harlow.	0.00	Reprocessed into new bottles and jars
Clear Glass	792.20	0.00	0.00	310.54			0.00	
Green Glass	3,608.13	0.00	0.00	1414.39			0.00	
Mixed Glass	0.00	0.00	0.00	0			0.00	
Household Batteries	9.88	0.00	0.00	35.07			May Gurney Ltd.	
Paper/Mixed paper	5,158.47	0.00	0.00	4181.01	May Gurney Ltd.	Aylesford Newsprint Ltd. Kent	0.00	Reprocessed into 100% recycled paper for newsprint
Mixed Plastics	1,251.26	0.00	0.00	1520.31	May Gurney Ltd.	Eco Plastics Ltd, Lincolnshire	0.00	Sorted, graded and shredded. Recycled into new plastic items including pipes, films, compost bins and fleece jackets
Mobile Phones	0.00	0.00	0.00	0	May Gurney Ltd.	Greensource Solutions, Bristol	0.00	Reused and recycled by Fonebank
Toner Cartridges				0	May Gurney Ltd.	Greensource Solutions, Bristol	0.00	Re-filled and re-used, or recycled.
Small WEEE	5.88	0.00	0.00	5.22	May Gurney Ltd.		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	May Gurney Ltd.	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	May Gurney Ltd.	Tata Steel, Port Talbot Works, South Wales	0.00	Used in new steel products
Food & drink cartons	4.17	0.00	0.00	-7.21	Recresco Ltd, on behalf of Tetrapak	Lefarge, Sweden	4.17	Pulped and different materials are separated. Cardboard used to make new paper/cardboard, plastic and aluminium is used in either furniture or burnt for energy or turned into more aluminium products
Brown Glass	0.00	0.00	0.00	0	May Gurney Ltd.	O-I Manufacturing UK., Harlow, Doncaster or Knottingley	0.00	Reprocessed into new bottles and jars
Clear Glass	0.00	0.00	0.00	0			0.00	
Green Glass	0.00	0.00	0.00	0			0.00	
Mixed Glass	0.00	0.00	0.00	0			0.00	
Paper	0.00	0.00	0.00	0	May Gurney Ltd.	Aylesford Newsprint Ltd. Kent	0.00	Reprocessed into 100% recycled paper for newsprint

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	2.74	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	18.60	0	British Heart Foundation		0.00	Sold on in shops for reuse
Aluminium Cans	12.49	0.00	0.00	115.7	May Gurney Ltd.	Novelis UK Ltd., Warrington	0.00	Smelted into aluminium ingots for production of new aluminium cans
Steel Cans	40.38	0.00	0.00	72.65	May Gurney Ltd.	Tata Steel, Port Talbot Works, South Wales	0.00	Used in new steel products
Car Batteries	19.46	0.00	0.00	10.96	Sims Metals, Avonmouth		0.00	Separated into fractions and reprocessed into new batteries or reused as raw materials ie. Scrap metal and plastic
Cardboard	190.97	0.00	0.00	107.52	Bath & North East Somerset Council & May Gurney Ltd.	DS Smith Recycling (formerly Severnside Recycling Ltd), Keynsham	0.00	Reprocessed into new cardboard
Cardboard	497.52	0.00	0.00	950.26	JW Waste Disposal	DS Smith, Watchet, Somerset, TA23 0AY	0.00	Reprocessed into new cardboard
Clothing	0.00	0.00	163.09	976.42	May Gurney Ltd.	Wilcox Textile Recycling, Bilston	146.78	Exported to Africa, Eastern Europe and Indian sub-continent
Footwear	0.00	0.00	23.48	0	European Recycling Company,		23.48	Exported to developing countries for reuse.
Engine Oil	18.25	0.00	0.00	13.23	West Oils Environmental, Gloucester		0.00	Reprocessed into low-grade fuel oil for asphalt plants and generators
Fluorescent Tubes	2.69	0.00	0.00	0	Mercury Recycling Ltd, Manchester		0.00	Separated into component fractions and recycled
Food & drink cartons	0.54	0.00	0.00	-0.93	Recresco Ltd, on behalf of Tetrapak	Lefarge, Sweden	0.54	Pulped and different materials are separated. Cardboard used to make new paper/cardboard, plastic and aluminium is used in either furniture or burnt for energy or turned into more aluminium products
Fridges & Freezers	161.48	0.00	0.00	105.93	CA Recycling, Newport		0.00	Degassed and broken up into separate components for recycling
Furniture	0.00	0.00	1.50	1.38	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	1,774.78	0.00	0.00	481.85	Bath & North East Somerset Council	Bracken Down Ltd. On farm composting at Green Ore	0.00	Composted for agricultural use on site
	1,301.46	0.00	0.00	353.35		Viridor Waste Ltd, Composting facility at Caste Cary	0.00	Reprocessed into usable compost
	1,733.82	0.00	0.00	470.73		Hills Waste Management, Calne, Wiltshire	0.00	
Gas bottles	0.00	0.00	5.08	0	Viridor Waste Ltd, Castle Cary		0.00	Reuse if returnable otherwise materials are recycled
	0.00	0.00	0.38	0	Bale Group Ltd, Honiton			Reuse if returnable otherwise materials are recycled
Mixed Glass	195.84	0.00	0.00	45.71	May Gurney Ltd.	O-I Manufacturing UK., Harlow, Doncaster or Knottingley	0.00	Reprocessed into new bottles and jars
Electricals - White goods	71.09	0.00	0.00	89.98	SIMS Metals, Newport	Valpack, Warwickshire	0.00	Broken down into separate components for recycling
	73.96	0.00	0.00	93.61	SIMS Metals, Newport	Valpack, Warwickshire	0.00	Broken down into separate components for recycling
Electricals - Small mixed goods	488.16	0.00	0.00	723.26	SIMS Metals, Newport	Valpack, Warwickshire	0.00	Broken down into separate components for recycling
Paper	366.31	0.00	0.00	296.9	May Gurney Ltd.	Aylesford Newsprint Ltd. Kent	0.00	Reprocessed into 100% recycled paper for newsprint
Plasterboard / Gypsum based products	293.63	0.00	0.00	40.77	Wiltshire Waste (Recycling) Ltd, Devizes, Wilts		0.00	Shredded and either sent for use in either manufacture of new plasterboard or cement
Mixed Plastics	26.85	0.00	0.00	32.62	May Gurney Ltd.	Eco Plastics Ltd, Lincolnshire		Sorted, graded and shredded.
Rubble	5,035.87	0.00	0.00	45.22	Bath & North East Somerset Council	MJ Church Plant, Star Farm, Marshfield	0.00	Screen and crushed to for resale as aggregates
Scrap Metal	1,022.79	0.00	0.00	2289.91	Sims Metals, Avonmouth		0.00	Separated by metal type and recycled
TV's & Monitors	328.75	0.00	0.00	0	SIMS Metals, Newport	Valpack, Warwickshire	0.00	Broken down into separate components for recycling
Tyres	44.99	0.00	0.00	85.93	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	4.64	0.00	0.00	0	C&D Oils Ltd, Newport		0.00	Reprocessed into Biodiesel and lubricants
Wood	3,574.17	0.00	0.00	4560.52	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	Hillis 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	5.02	0.00	0.00	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	0.00	0.00	0.00	0	New Earth Solutions, Avonmouth	Sims Metals, Avonmouth	0.00	Exported for remelting
	0.00	0.00	0.00	0	New Earth Solutions, Avonmouth	Relaince Scrap Metal Merchants (Parkstone) Ltd, Poole	0.00	Processed for remelting
	0.00	0.00	0.00	0	New Earth Solutions, Avonmouth	European Metal Recycling, Birmingham	0.00	Exported for remelting
	0.00	0.49	0.00	0	New Earth Solutions, Avonmouth	N Brookes & Brothers Ltd, Cradley Heath	0.00	Remelted for production of new aluminium products
	0.00	7.20	0.00	0	New Earth Solutions, Avonmouth	Alutrade Limited, Redditch	0.00	Remelted for production of new aluminium products
Steel	0.00	103.47	0.00	958.81	New Earth Solutions, Avonmouth	Sims Metals, Avonmouth	103.47	Exported for remelting
	0.00	6.81	0.00	63.11	New Earth Solutions, Avonmouth	European Metal Recycling, Birmingham	6.81	Exported for remelting
	0.00	68.43	0.00	26.82	New Earth Solutions, Avonmouth	Sait Systems, Barnsley	0.00	Processed for remelting
	0.00	5.72	0.00	2.24	New Earth Solutions, Avonmouth	Alutrade Limited Redditch	0.00	Remelted for production of new ferrous products
	0.00	19.45	0.00	7.62	New Earth Solutions, Avonmouth	BW Riddle Lincs	0.00	Remelted for production of new aluminium products
	0.00	0.44	0.00	0.1	New Earth Solutions, Avonmouth	N Brookes & Brothers Ltd Cradley Heath	0.00	Remelted for production of new ferrous products
Mixed Plastics	0.00	3.93	0.00	3.19	New Earth Solutions, Avonmouth	Hanbury Plastics Recycling Ltd Stoke	0.00	Reprocessed into new plastic
	0.00	0.82	0.00	0.73	New Earth Solutions, Avonmouth	TJL Industries, Gloucestershire	0.00	Granulated for reuse
	0.00	9.44	0.00	7.65	New Earth Solutions, Avonmouth	J&A Young, Derbyshire	0.00	Recovery of scrap plastic
	0.00	0.90	0.00	0.79	New Earth Solutions, Avonmouth	New Earth Solutions, Gloucestershire	0.00	Recovery of scrap plastic
	0.00	110.81	0.00	199.37	New Earth Solutions, Avonmouth	AWS Ecoplastics Limited, Gainsborough	0.00	Reprocessed into new plastic bottles
	0.00	0.00	0.00	0	New Earth Solutions, Avonmouth	N+P International BV, Netherlands	0.00	Assessment of recycling potential
	0.00	0.90	0.00	3.57	New Earth Solutions, Avonmouth	Leeds Paper Recycling Ltd, Leeds	0.00	Recovery of scrap plastic
	0.00	0.00	0.00	0	New Earth Solutions, Avonmouth	Transwaste Recycling & Aggregates Ltd, North Humberside	0.00	Assessment of recycling potential
Compost like material	0.00	244.51	0.00	282.65	New Earth Solutions, Avonmouth	Imerys Minerals	0.00	Used for landfill site restoration
	0.00	114.31	0.00	194.85	New Earth Solutions, Avonmouth	Buckingham Group	0.00	Used for landfill site restoration
	0.00	243.49	0.00	282.58	New Earth Solutions, Avonmouth	Buckingham Group (Boughton)	0.00	Used for landfill site restoration
	0.00	113.83	0.00	101.05	New Earth Solutions, Avonmouth	Anglian Water Services (c/o Buckingham Group)	0.00	Used for landfill site restoration
	0.00	75.81	0.00	83.22	New Earth Solutions, Avonmouth	4 Recycling (Rochester)	0.00	Used for landfill site restoration
	0.00	10.27	0.00	9.73	New Earth Solutions, Avonmouth	4 Recycling (Sutton Farm)	0.00	Used for landfill site restoration
	0.00	330.00	0.00	409.04	New Earth Solutions, Avonmouth	Biffa Waste Services Ltd, Swindon	0.00	Used for landfill site restoration
Other	0.00	2,851.68	0.00	1961.95	New Earth Solutions, Avonmouth	AVR Afvalverwerking BV, Netherlands	2,851.68	Exported for energy recovery
	0.00	14.15	0.00	0	New Earth Solutions, Avonmouth	Kent Enviropower Ltd, Maidstone	0.00	Energy recovery
	0.00	1,856.19	0.00	0	New Earth Solutions, Avonmouth	HVC AfValcentrale, The Netherlands	1,856.19	Exported for energy recovery
	0.00	0.96	0.00	0	New Earth Solutions, Avonmouth	HVC AfValcentrale, Waste for Fuel LTD, Kent	0.00	Energy recovery
	0.00	317.78	0.00	0	New Earth Solutions, Avonmouth	Churrngold Recycling, Avonmouth	0.00	Energy recovery
	0.00	0.04	0.00	0	New Earth Solutions, Avonmouth	CSG Lanstar, Manchester	0.00	Energy recovery
	0.00	625.66	0.00	0	New Earth Solutions, Avonmouth	Transwaste Recycling & Aggregates Ltd, North Humberside	0.00	Turned into fuel for cement kilns
	0.00	1.37	0.00	0	New Earth Solutions, Avonmouth	Leeds Paper Recycling Ltd, Leeds	0.00	Energy recovery
	0.00	10.96	0.00	0	New Earth Solutions, Avonmouth	New Earth Solutions, Canford	0.00	Energy recovery
	0.00	65.53	0.00	83.61	New Earth Solutions, Avonmouth	New Earth Energy, Avonmouth	0.00	Energy recovery