

## SOMERSET WASTE PARTNERSHIP - RECYCLING END-USE REGISTER 2017/18

**In 2017/18 Somerset residents reused and recycled 133,553 tonnes of waste. 91% was recycled in the UK, with only 9% sent overseas for recycling. By reusing and recycling their waste, Somerset residents avoided paying over £15 million in landfill costs.**

The table below details the materials collected in 2017/18 by Somerset Waste Partnership's kerbside collections and recycling sites, together with materials collected by third parties on which the SWP paid Recycling or Reuse Credits. The table shows the tonnages of materials collected, the reprocessor and the final end use of materials. Reducing waste and using resources more sustainably will reduce carbon emissions and reduce the environmental impact of our waste.

**ENVIRONMENTAL BENEFITS OF RECYCLING** - Recycling reduces carbon emissions, both by saving energy in extraction and manufacturing processes and by avoiding the powerful greenhouse gas methane emitted from landfilled biodegradable waste, such as paper, textiles and food. Recycling also leads to other environmental benefits, such as conserving natural resources from forestry and mining and reducing other forms of pollution.

**DISPOSAL** - Currently the majority of waste for disposal is sent to landfill at Dimmer, Walpole and Broadpath landfill sites. Rubbish sent to landfill sites costs Somerset tax payers over £15m every year, much of which could be saved by recycling. Waste composition analysis conducted by SWP in 2018 indicates that approximately 50% of the contents of the refuse bin could be recycled using the existing kerbside recycling services.

**EXPORTS** - Somerset Waste Partnership prefers its recycling contractors to supply local UK markets, but it can be more economic to export some materials overseas. For example, demand to reuse clothing is much stronger in developing countries than in the UK. In 2017/18, some of our paper, cardboard and plastic bottles were exported for recycling. A study commissioned by WRAP ([www.wrap.org.uk](http://www.wrap.org.uk)) found the energy and carbon savings from recycling still outweighed, by at least 3 to 1, the energy use and carbon emissions from shipping overseas. The situation is further improved as the container ships used would otherwise return empty, after delivering goods manufactured in countries such as China to the UK.

SOMERSET WASTE PARTNERSHIP manages waste and recycling services on behalf of all local authorities in Somerset: Mendip District Council, Sedgemoor District Council, Somerset County Council, South Somerset District Council, Taunton Deane Borough Council and West Somerset Council.



SOMERSET WASTE PARTNERSHIP	RECYCLED (TONNES)	REUSED (TONNES)	RECOVERED (TONNES)**	EXPORTED (TONNES)	EXPORTED (%)	TOTAL RECYCLING AND REUSE (TONNES)	TOTAL REFUSE TO LANDFILL
TOTALS	131,025.14	2,527.96	4,763.39	12,039.12	9%	133,553.10	116,912.62
TOTAL LANDFILL COSTS AVOIDED THROUGH RECYCLING AND REUSE		Over £15 million	SOMERSET'S WASTE CARBON FOOTPRINT (TONNES CO <sub>2</sub> EQUIVALENT)		TBC		

MATERIAL	SOURCE	TONNAGE	EXPORTED (TONNES)	WHERE DID IT GO?	WHAT HAPPENED TO IT?	COMMENTS
PAPER	Kerbside Recycling and Schools (Kier)	6,179.24	0.00	UPM Shotton, Deeside	Reprocessed into 100% recycled paper for newsprint	Paper is collected separately from cardboard as it is a higher quality fibre which means it can be recycled into newsprint and other paper items. In 2017/18 Kier had some issues with their balers which meant that materials were sent out to a larger number of different reprocessors than normal.
		3,589.57	0.00	Palm Paper, Norfolk	Reprocessed into 100% recycled paper for newsprint	
		264.12	0.00	DS Smith, Kent	Reprocessed into new paper products	
		50.92	50.92	Stora Enso Paper, Belgium	Reprocessed into new paper products	
		29.39	29.39	Reprocessor in Vietnam	Reprocessed into new paper and board products	
		20.87	0.00	Smurfit Kappa, Kent	Reprocessed into new paper and board products	
		18.11	0.00	Mission Recycling, Worcestershire	Reprocessed into new paper and board products	
		18.04	0.00	Site details unknown	Reprocessed into new paper and board products	
		5.58	0.00	SCA Hygiene Products Ltd, Lancashire	Reprocessed into new paper and board products	
		3.39	3.39	Reprocessor in Netherlands	Reprocessed into new paper and board products	
	2.70	2.70	Various reprocessors, India	Reprocessed into new paper and board products		
	Recycling Centres (Viridor)	297.12	0.00	DS Smith, Kent	Reprocessed into new paper products	
		24.53	24.53	Reprocessor in Vietnam	Reprocessed into new paper and board products	
		21.24	21.24	Reprocessor in China	Reprocessed into new paper and board products	
		12.16	0.00	Smurfit Kappa, Kent	Reprocessed into new paper and board products	
East Coker Scout Group (Third Parties)	13.99	0.00	Dorchester Waste Paper, Dorset	Reprocessed into new paper and board products		
CARDBOARD	Kerbside Recycling and Schools (Kier)	3,098.78	3,098.78	Various reprocessors, Germany	Reprocessed into new paper and board products	In 2017/18 Kier had some issues with their balers which meant that materials were sent out to a larger number of different reprocessors than normal.
		1,887.01	1,887.01	Various reprocessors, India	Reprocessed into new paper and board products	
		1,866.69	0.00	DS Smith, Kent	Reprocessed into new paper products	
		1,737.29	0.00	Edwards Waste Paper, Essex	Reprocessed into new paper and board products	
		1,034.10	1,034.10	Reprocessor in Netherlands	Reprocessed into new paper and board products	
		756.45	0.00	DS Smith, Bristol	Reprocessed into new paper and board products	
		537.89	537.89	Various reprocessors, Indonesia	Reprocessed into new paper and board products	
		67.69	67.69	Reprocessor in Belgium	Reprocessed into new paper and board products	
		50.12	0.00	Mission Recycling, Worcestershire	Reprocessed into new paper and board products	
		43.26	0.00	Berry Recycling Ltd, Droitwich	Reprocessed into new paper and board products	
		5.41	5.41	Reprocessor in India	Reprocessed into new paper and board products	
		5.31	5.31	Various reprocessors, China	Reprocessed into new paper and board products	
		0.61	0.61	Reprocessor in Spain	Reprocessed into new paper and board products	
MIXED PAPER & CARDBOARD	Kerbside Recycling and Schools (Kier)	24.38	24.38	Reprocessor in China	Reprocessed into new paper and board products	Mixed paper and cardboard is collected from schools and at recycling centres where there is not space for separate paper and cardboard containers.
		5.70	0.00	Dorchester Waste Paper, Dorset	Reprocessed into new paper and board products	
	Recycling Centres (Viridor)	3,305.00	3,305.00	Reprocessor in China	Reprocessed into new paper and board products	
		326.71	0.00	DS Smith, Kent	Reprocessed into new paper and board products	
		296.44	0.00	Perry's Recycling, Somerset	Reprocessed into new paper and board products	
Third Party Recyclers	2.20	0.00	Commercial Recycling, Somerset	Reprocessed into new paper and board products		
GLASS BOTTLES AND JARS	Kerbside Recycling and Schools (Kier)	14,523.48	0.00	Recresco Ltd, South Wales	Coloured glass is made into glass mineral wool, and clear glass is made into new bottles and jars.	Recycling glass bottles and jars into new bottles and jars is an excellent example of closed loop recycling, and glass is infinitely recyclable.
		0.54	0.00	Recresco Ltd, Kent	Reprocessed into new bottles and jars.	
	0.07	0.00	Viridor Ltd, Sheffield	Reprocessed into new bottles and jars, construction materials and loft insulation.		
	Recycling Centres (Viridor)	733.50	0.00	Viridor Ltd, Sheffield	Reprocessed into new bottles and jars, construction materials and loft insulation.	
	Yeovil Town Council (Third Parties)	5.76	0.00	Viridor Ltd, Sheffield	Reprocessed into new bottles and jars, construction materials and loft insulation.	

MATERIAL	SOURCE	TONNAGE	EXPORTED (TONNES)	WHERE DID IT GO?	WHAT HAPPENED TO IT?	COMMENTS
STEEL AND ALUMINIUM CANS AND FOIL	Kerbside Recycling and Schools (Kier)	1,560.53	0.00	Morris & Co Ltd, West Yorkshire	Cans are sorted, baled and sold to reprocessors.	Steel and Aluminium are infinitely recyclable, reducing the need to mine for raw materials. Recovered steel is made into a number of materials such as car doors, fridge panels and construction steel. Aluminium is smelted into aluminium ingots for production of new aluminium products, including new beverage cans. In 2017/18 Kier had some issues with their balers which meant that materials were sent out to a larger number of different reprocessors than normal.
		473.20	0.00	Novelis UK, Cheshire	Aluminium cans are smelted into ingots to be recycled into new beverage cans.	
		0.67	0.00	Alutrade, West Midlands	Aluminium cans are recycled into new aluminium products	
		3.60	0.00	Mission Recycling, Worcestershire	Cans are sorted, baled and sold to reprocessors.	
		6.71	0.00	Lovell Recycling Ltd, Shropshire	Cans are sorted, baled and sold to reprocessors.	
		17.80	0.00	Wye Valley Metals, Herefordshire	Cans are sorted, baled and sold to reprocessors.	
		1.18	0.00	Enablelink Ltd, West Midlands	Cans are sorted, baled and sold to reprocessors.	
		3.11	0.00	Sims Group, Warwickshire	Cans are sorted, baled and sold to reprocessors.	
		0.79	0.00	Sims Group, County Durham	Cans are sorted, baled and sold to reprocessors.	
		0.30	0.00	European Metal Recycling Ltd, Wiltshire	Cans are sorted, baled and sold to reprocessors.	
		0.41	0.00	Real Alloy UK Ltd, Swansea	Cans are sorted, baled and sold to reprocessors.	
		30.87	0.00	Environmental Practical Solutions Ltd, Swansea	Cans are sorted, baled and sold to reprocessors.	
		0.39	0.00	Thamesdown Recycling, Wiltshire	Cans are sorted, baled and sold to reprocessors.	
		21.17	0.00	Tata Steel, Port Talbot	The recovered steel is made into a number of materials such as car doors, fridge panels and construction steel.	
	0.83	0.00	Site details unknown	Cans are sorted, baled and sold to reprocessors.		
	2.94	0.00	ASM Metal Recycling Ltd, Buckinghamshire	Cans are sorted, baled and sold to reprocessors.		
0.01	0.00	Tandem Metallurgical Group Ltd, Cheshire	Aluminium is smelted into aluminium ingots for production of new aluminium products			
Recycling Centres (Viridor)	1.00	0.00	Morris & Co Ltd, West Yorkshire	Cans are sorted, baled and sold to reprocessors.		
	1.14	0.00	ASM Metal Recycling Ltd, Buckinghamshire	Cans are sorted, baled and sold to reprocessors.		
	0.76	0.00	Real Alloy UK Ltd, Swansea	Cans are sorted, baled and sold to reprocessors.		
PLASTIC BOTTLES	Kerbside Recycling and Schools (Kier)	1,203.77	0.00	Roydon Group PLC, Manchester	Plastic bottles are sorted, graded and shredded and sold on to manufacturers.	Plastic bottles are sorted, graded and shredded. Pellets are then sold on to manufacturers for recycling into items such as plastic food packaging, plastic strapping, films, pipes, compost bins and fleece jackets. In 2017/18 Kier had some issues with their balers which meant that materials were sent out to a larger number of different reprocessors than normal.
		575.79	0.00	Lovell Recycling Ltd, Shropshire	Plastic bottles are sorted, graded and shredded and sold on to manufacturers.	
		310.58	0.00	J&A Young, Leicester	Plastic bottles are sorted, graded and shredded and sold on to manufacturers.	
		375.08	0.00	Rainham Plastics Recovery Facility, Essex	Plastic bottles are sorted, graded and shredded and sold on to manufacturers.	
		63.99	0.00	Rochester Plastic Recovery Facility, Kent	Plastic bottles are sorted, graded and shredded and sold on to manufacturers.	
		3.42	0.00	Quality Plastic Processing Ltd, Somerset	Plastic bottles are sorted, graded and shredded and sold on to manufacturers.	
		9.20	0.00	Biffa Polymers, Cleveland	Plastic bottles are sorted, graded and shredded and sold on to manufacturers.	
		6.55	0.00	Eurokey Recycling Ltd, Leicestershire	Plastic bottles are sorted, graded and shredded and sold on to manufacturers.	
		141.98	0.00	Monoworld Recycling, Northamptonshire	Plastic bottles are sorted, graded and shredded and sold on to manufacturers.	
		37.82	0.00	Mission Recycling, Worcestershire	Plastic bottles are sorted, graded and shredded and sold on to manufacturers.	
		10.10	0.00	Pure Recycling Warwick Ltd, Warwickshire	Plastic bottles are sorted, graded and shredded and sold on to manufacturers.	
		0.39	0.39	Reprocessor in Spain	Plastic bottles are sorted, graded and shredded and sold on to manufacturers.	
		39.37	39.37	Reprocessor in Turkey	Plastic bottles are sorted, graded and shredded and sold on to manufacturers.	
	375.48	375.48	Reprocessor in Malaysia	Plastic bottles are sorted, graded and shredded and sold on to manufacturers.		
	69.11	69.11	Reprocessor in Indonesia	Plastic bottles are sorted, graded and shredded and sold on to manufacturers.		
Recycling Centres (Viridor)	91.55	0.00	Rochester Plastic Recovery Facility, Kent	Plastic bottles are sorted, graded and shredded and sold on to manufacturers.		
	23.68	0.00	Commercial Recycling, Somerset	Plastic bottles are sorted, graded and shredded and sold on to manufacturers.		
DRINKS CARTONS & TETRA PAK	Recycling Centres (Viridor)	27.10	0.00	Sonoco Recycling, West Yorkshire	Cartons are pulped, and then aluminium and polythene separated off. The paperboard fibre is recycled into new paper and cardboard products. The remaining mix of plastic and aluminium is used in furniture, to generate energy or separated into pure aluminium	

MATERIAL	SOURCE	TONNAGE	EXPORTED (TONNES)	WHERE DID IT GO?	WHAT HAPPENED TO IT?	COMMENTS
FOOD WASTE	Kerbside Recycling and Schools (Kier)	13,555.82	0.00	Viridor Anaerobic Digestion (AD), Walpole, Bridgwater	Food waste digested anaerobically to produce a biofertiliser used on agricultural land and biogas used to generate electricity	
		4,673.09	0.00	Cannington AD, Bridgwater	Food waste digested anaerobically to produce a biofertiliser used on agricultural land and biogas used to generate electricity	
GARDEN WASTE	Kerbside Recycling and Schools (Kier)	8,733.26	0.00	Viridor, Walpole, Bridgwater, Somerset	Composted in Windrows to produce REVIVE compost which is sold at recycling centres for domestic use and in bulk for agricultural use	
		9,304.10	0.00	Viridor, Dimmer, Castle Cary, Somerset	Composted in Windrows to produce REVIVE compost which is sold at recycling centres for domestic use and in bulk for agricultural use	
		1,163.88	0.00	Viridor, Priorswood, Taunton, Somerset	Composted in Windrows to produce REVIVE compost which is sold at recycling centres for domestic use and in bulk for agricultural use	
	Recycling Centres (Viridor)	11,333.73	0.00	Viridor, Walpole, Bridgwater, Somerset	Composted in Windrows to produce REVIVE compost which is sold at recycling centres for domestic use and in bulk for agricultural use	
		5,471.24	0.00	Viridor, Dimmer, Castle Cary, Somerset	Composted in Windrows to produce REVIVE compost which is sold at recycling centres for domestic use and in bulk for agricultural use	
		5,977.48	0.00	Viridor, Priorswood, Taunton, Somerset	Composted in Windrows to produce REVIVE compost which is sold at recycling centres for domestic use and in bulk for agricultural use	
		1,695.19	0.00	Monksham Farm, Somerset	Composted for agricultural use on site	
TEXTILES & SHOES	Kerbside Recycling and Schools (Kier)	161.32	161.32	JMP Wilcox & Co West Midlands	Clothing is sorted and graded. Good condition is sent for reuse in developing countries (approx 50%). Non-reusable clothing and textiles (approx 50%) are shredded to be made into cotton felt/wadding/mops/dusters and industrial wiping cloths. The shoes are sent to developing nations to be refurbished and reused	The Bureau of International Recycling estimates that 50% of clothing collected is reused and 50% recycled. <a href="http://www.bir.org/industry/textiles/">http://www.bir.org/industry/textiles/</a>
		161.32	161.32			
	Third Party Recycling Banks	316.45	316.45	British Heart Foundation. Bag It Up, Planet Aid, Salvation Army		
		316.45	316.45			
TEXTILES	Recycling Centres (Viridor)	446.85	223.43	JMP Wilcox & Co West Midlands	Clothing is sorted and graded. Good condition is sent for reuse in developing countries (approx 50%). Non-reusable clothing and textiles (approx 50%) are shredded to be made into cotton felt/wadding/mops/dusters and industrial wiping cloths.	The Bureau of International Recycling estimates that 50% of clothing collected is reused and 50% recycled. <a href="http://www.bir.org/industry/textiles/">http://www.bir.org/industry/textiles/</a>
		446.85	223.43			
SHOES	Third Party Recycling Banks	7.26	7.26	SOEX UK, Surrey	The shoes are sent to developing nations to be refurbished and reused	
	Recycling Centres (Viridor)	46.77	46.77	European Recycling Company, Croydon	The shoes are sent to developing nations to be refurbished and reused	
FURNITURE & BRIC-A-BRAC	Third Parties (Furniture Reuse Groups)	259.45	0.00	Furmequip (Glastonbury), Sedgemoor Furniture Store (Bridgwater), Furnicare (Yeovil), Furnitrust (Taunton), Engage West Somerset (Minehead), Fair Frome Furniture Bank (Frome)	Sold on by each organisation for reuse at low prices to people in their areas on benefits or with low incomes	
BRIC-A-BRAC	Recycling Centres (Viridor)	365.24	0.00	Sent to various local outlets via collection agents at each recycling centre	Sold for reuse	This includes items donated to the Reuse shop at Priorswood Recycling Centre.
HOUSEHOLD BATTERIES	Recycling Centres (Viridor)	11.65	0.00	G&P Batteries, West Midlands	Batteries separated into different fractions, i.e. metal and plastic for reuse in manufacturing	
AUTOMOTIVE BATTERIES	Recycling Centres (Viridor)	136.76	0.00	J.C. Thomas & Sons, Somerset	Separated into fractions and re-processed into new batteries or reused as raw material i.e. scrap metal and plastic	
FRIDGES / FREEZERS	Recycling Centres (Viridor)	961.36	0.00	Electrical Recycling, Merseyside	Broken down into separate components for reuse in manufacturing. CFCs extracted for safe disposal	

MATERIAL	SOURCE	TONNAGE	EXPORTED (TONNES)	WHERE DID IT GO?	WHAT HAPPENED TO IT?	COMMENTS
ELECTRICAL	Recycling Centres (Viridor)	763.73	0.00	Sims Metals, Somerset	Broken down into separate components, baled and recycled	
		1,640.73	0.00	J.C. Thomas & Sons, Somerset	Broken down into separate components, baled and recycled	
		274.07	0.00	MDJ Light Bros (SP) Ltd, East Sussex	Broken down into separate components, baled and recycled	
		46.94	0.00	G H Newbery & Son Ltd, Devon	Broken down into separate components, baled and recycled	
		522.91	0.00	Viridor St Helens, Merseyside	Broken down into separate components, baled and recycled	
SCRAP METAL	Viridor (Recycling Centres)	4,585.99	0.00	J.C. Thomas & Sons, Somerset	Broken down into separate components, baled and recycled	
	Kerbside Recycling and Schools (Kier)	404.02	0.00	E B James, Devon	Broken down into separate components, baled and recycled	
		1.02	0.00	Johnson's Metals, Bridgwater	Broken down into separate components, baled and recycled	
COOKING OIL	Recycling Centres (Viridor)	14.10	0.00	Living Fuels, Norfolk	Turned into biofuel to generate electricity and heat	
		5.10	0.00	Avista Oil Services, West Midlands	Turned into biofuel to generate electricity and heat	
ENGINE OIL	Recycling Centres (Viridor)	12.90	0.00	Avista Oil Services, West Midlands	Oils are recovered and blended for use as an alternative fuel	
		7.82	0.00	Yellowstone Environmental Solutions Ltd, Dorset	Oils are recovered and blended for use as an alternative fuel	
		1.00	0.00	Cleansing Service Group, Bristol	Oils are recovered and blended for use as an alternative fuel	
PAINT	Recycling Centres (Viridor)	197.18	0.00	Paint 360, West Midlands	Recycled into new paint products	Water-based paint
WOOD	Recycling Centres (Viridor)	3,893.23	0.00	Nigel Dunn Forest Products, Somerset	The wood is chipped and made into a range of products including animal bedding, equestrian surfaces and biofuel.	Clean, untreated wood.
		1,725.59	0.00	South West Wood Products Ltd, Somerset, Devon & Swansea	The wood is chipped and made into a range of products including animal bedding, equestrian surfaces and biofuel.	
		59.48	0.00	South Wales Wood Recycling, Bridgend	The wood is chipped and made into a range of products including animal bedding, equestrian surfaces and biofuel.	
		86.48	0.00	Crapper & Sons, Wiltshire	The wood is chipped and made into a range of products including animal bedding, equestrian surfaces and biofuel.	
		45.01	0.00	Wood Yew Waste Ltd, Devon	The wood is chipped and made into a range of products including animal bedding, equestrian surfaces and biofuel.	
WOOD (RECOVERY)	Recycling Centres (Viridor)	3,616.87	0.00	Nigel Dunn Forest Products, Somerset	Wood is used as a bio fuel for energy generation **	Wood sent for recovery is lower quality wood
		1,146.52	0.00	South West Wood Products Ltd, Devon & Swansea	Wood is used as a bio fuel for energy generation **	
PLASTER BOARD	Recycling Centres (Viridor)	27.19	0.00	Wood Yew Waste Ltd, Devon	Processed to separate the gypsum and paper. Gypsum is reprocessed into new plasterboard and paper is reprocessed into a variety of new paper materials	
		232.92	0.00	Mid UK Recycling Ltd, Lincolnshire	Processed to separate the gypsum and paper. Gypsum is reprocessed into new plasterboard and paper is reprocessed into a variety of new paper materials	
INK & TONER CARTRIDGES	Recycling Centres (Viridor)	0.42	0.00	Ink and Toner Recycling, Buckinghamshire	Sorted into different types and sent to remanufacturers to be refilled. Broken cartridges are repaired so they can be refilled.	
FLUORESCENT TUBES AND LAMPS	Recycling Centres (Viridor)	1.13	0.00	Mercury Recycling Ltd, Manchester	The lamps are separated into different components and recycled. Recovered mercury is used in new lamps.	
STREET SWEEPINGS	All Somerset Districts	6,930.03	0.00	Neal Soil Supplies, Cardiff.	De-watered by Viridor. Sent to Neal Soil Supplies who extract and recycle soil and aggregate, and send litter and the remainder to be used as refuse derived fuel.	

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\*\* Not counted as recycling for National Indicators and excluded from recycled totals



This document is also available in Braille, large print, on tape and on disc and we can translate it into different languages. We can provide a member of staff to discuss the details.

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