

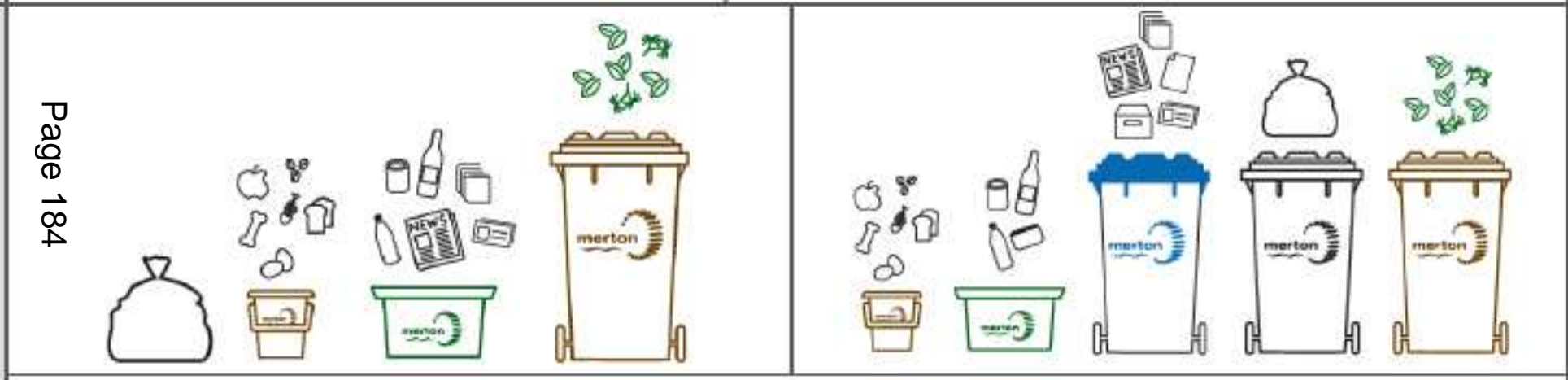
Waste/ recycling service change: Autumn 2018

Wheeled bin size

New service model

Existing

Veolia's original bid



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Residual	Food	Recycling	Garden
unlimited	23l	55l	240l*

Food	Mixed recycling	Paper/card	Residual	Garden
23l	55l	240l	240l	240l*

*Optional paid-for service

Recommendation

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Food	Mixed recycling	Paper/ card	Residual	Garden
23l	55l	180l	180l	240l*

*Optional paid-for service

WRAP study (2012/13)

- Key determinates to higher recycling rates include:
 - The affluence of the area (more affluent = higher recycling)
 - The urban/rural nature of the authority (more rural = higher recycling)
 - Whether the authority provided a food waste service (food waste = higher recycling overall)
 - The capacity (in litres) of the general waste collection (lower capacity of general waste = higher recycling)

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Whilst WRAP have established a link between capacity and recycling rate, they do not conclude the optimum size of wheeled bin.

http://www.wrap.org.uk/sites/files/wrap/priv_download/Analysis_of_recycling_performance_and_waste_arisings%20in%20the%20UK%202012%2013.pdf

Potential savings

- Theoretically based on the WRAP study:

Bin size	Collection frequency	Effective capacity/week	Increase in recycling rate	Savings/yr (approx)	Cumulative savings/yr
40l bin	weekly	240l	0%	0	0
40l bin	fortnightly	120l	7.2%	£91,300	£91,300
180l bin	fortnightly	90l	+ 1.8%	+£22,800	£114,100
140l bin	fortnightly	70l	+ 1.2%	+£15,200	£129,300

- Actual savings will depend on the real reduction in overall general waste achieved and the increase in recycling. There are many contextual factors that determine these changes, many of which are outside of the local authority's control.
- If the size of the bin proves to be insufficient, it is likely it will cause additional fly-tipping and 'side-waste', which is costly to clean up thus negating any savings in waste disposal.

London authorities

Local Authority - London	Residual			Dry Recycling				Recycling % (2015/16)
(all those with AWC residual)	AWC	Container	Volume (l)	Weekly	AWC	Container	Volume (l)	
Islington	Yes	blk sack	240/360	Yes		reusable sacks, boxes, wheeled bins	35-180	29.4
Sutton	Yes	Wheeled bin	140/240		Yes	Wheeled bin	140/240	34.7
Southwark	Yes	Wheeled bin	240	Yes	Yes	Wheeled bin/boxes	240	35.0
Haringey	Yes	Wheeled bin	180/240	Yes		Wheeled bin	180/240	36.2
Croydon	Yes	Wheeled bin	180/240	Yes		Boxes	55	37.8
Brent	Yes	Wheeled bin	140/240	Yes		Wheeled bin	240	38.4
Bromley	Yes	blk sack	-		Yes	Boxes	55	45.9
Kingston	Yes	Wheeled bin	180/240	Yes		Boxes, reusable sacks	-	45.8

- These figures indicate that there are a range of collection services in operation. Range between 240l/week capacity to 70l/week.
- These services have been introduced at different points in time and have been introduced for a range of different reasons depending on factors at that time. In some cases the service has been changed since the last officially recorded recycling rates from Defra e.g. Sutton.
- There is no clear link between container size and recycling rates.

Bin dimensions

Volume (litres)	140	180	240
Height (mm)	1070	1080	1080
Width (mm)	490	480	580
Depth (mm)	550	725	730
Indicative price	£14.38	£17.37	£18.42

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Sample only: prices & dimensions differ between manufacturers



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