

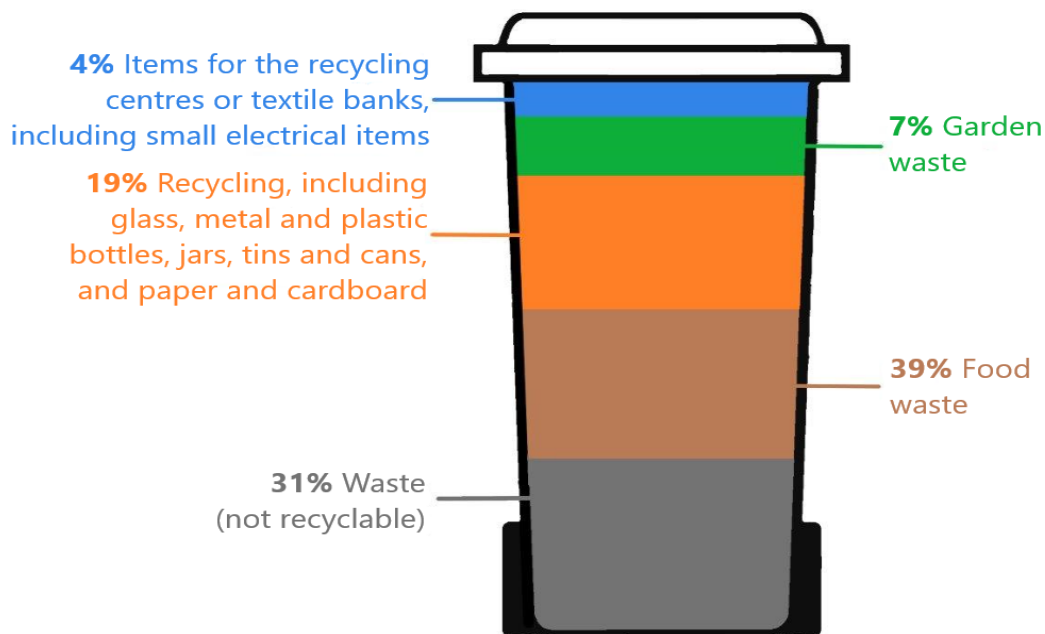
Appendix 3

Waste Composition Analysis – Summary Report 02 February 2024

An analysis of the composition of household waste was conducted in November and December 2023 to support improved understanding of what Leicester households put in their residual waste bin, and how much of this is recyclable and non-recyclable material.

The process involved an external provider expertly sorting and categorising residual waste, garden waste and recycling from a representative sample of households over a four-week period.

Findings from the analysis showed that the average household residual waste bin in Leicester contains only 31% non-recyclable material, with almost 40% of the contents of the black bins being food waste.



An average household's black bin contains:

Food Waste	Recyclable Materials	Non-recyclable Materials
c.40%	c.30%	c.30%
c.33,000 tonnes	c.25,000 tonnes	c.25,000 tonnes

Simplifying and improving understanding about materials that can be put out for recycling can reduce the contents of the black bin and is essential to maximise both recycling rates and the removal of food waste from residual waste bins. This will result in black bins having a large proportion of empty space in future.

From a potential cost avoidance and climate perspective the impact would be significant, and collecting residual waste bins from households weekly would no longer be cost-efficient.