

Appendix 3

Proposal for extended frequency dry recycling collections with separate 'fibre' (paper and cardboard)

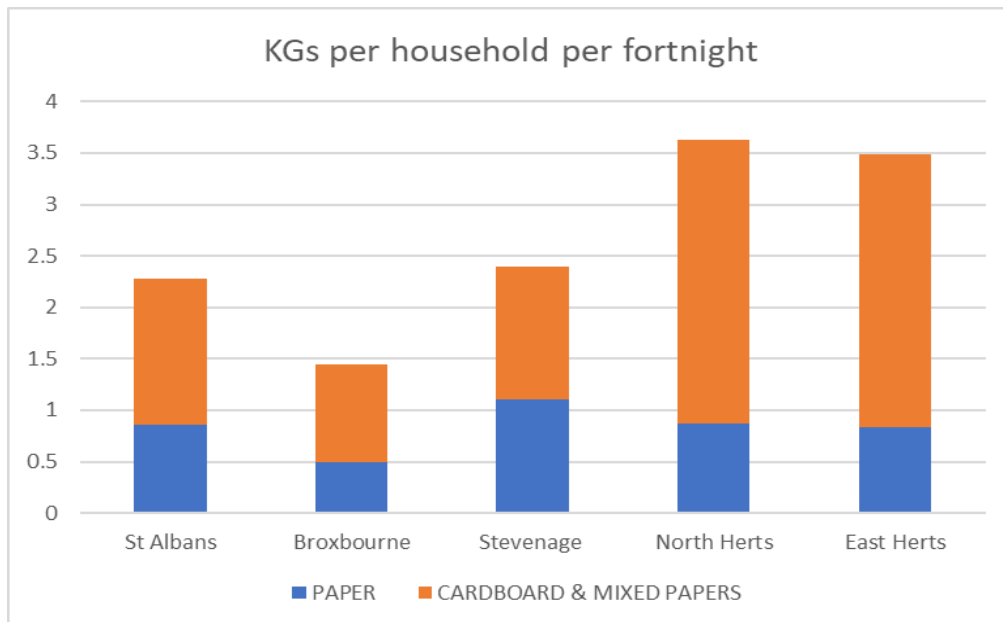
Preferred Proposal

- Introduce weekly food in EH
- Three weekly 180L residual waste
- Three weekly 'Fibre' bin – Paper and Cardboard
- Three weekly 'Containers' bin – plastic bottles pots, tubs, trays, film, aluminium and steel cans, glass
- Total capacity over 6 weeks = 1,458L
- Est. Recycling Rate = 58%-60%+

Capacity for households is reduced slightly from the current provision over a six-weekly cycle in line with waste minimisation principles. However, capacity provision is higher than the primary proposal agreed in the Cabinet/Executive meetings on 25th October 2022 for three weekly residual waste with fortnightly mixed dry recycling and a fortnightly paper box. This is due to the larger 'Fibre' bin size proposed for most households.

Collection costs are anticipated to be lower operating this model, in part due to operating 'standard' body vehicles rather than 'split' body vehicles and collection route optimisation from operating over three weeks rather than two.

Data below taken from the HWP Waste compositional analysis in 2021 shows capture rates for paper and card co-collected in local box services and our current paper only box and bin service (which captures cardboard).



Capture of cardboard/ mixed papers is likely to drop if collected in a box only service. Proposal is therefore for a 240L bin provision for the majority of households.

- **Does it reduce waste?** Yes, from reduced residual bin size and reduced residual emptying cycle. Also food waste reduces when separate food waste collections are introduced.
- **Does it increase recycling?** Yes, greater capacity for recycling in bins. Also food waste captured in EHC.
- **Does it reduce fleet carbon footprint?** Carbon impacts are mitigated, there are reduced fleet movements for a three-weekly cycle and operational efficiencies gained from operating standard body vehicles.
- **Does it reduce collection costs?** Cost are reduced from the service design agreed on 25th October 2022.
- **Are East and North Service aligned?** Yes
- **Is there Capital spend?** Yes, for the provision of new bins to the majority of households.