Appendix 1 - Waste Management Options Appraisal Longlist

Option	Green Residual	Grey Dry Recycling	Brown Garden Waste	Food Recycling	Bags/Boxes	Total Weekly Capacity (General + Dry Recycling)	Pros	Cons
1	240ltr bin Fortnightly	240ltr bin Fortnightly	240ltr bin Fortnightly (subscription)			240ltr	- Familiar. - Simple. - Only two or three containers. - Some capacity for improvement – increase capture rates, which are currently only 66% of available collected materials.	 Will not meet 50% re is targeted in grey recy collection), which is a t Will not significantly i Risk of rising disposal Risk of fines for not m Charge for GW is not
2	240ltr bin Fortnightly	240ltr bin Fortnightly	240ltr bin Fortnightly (free)			240ltr	 Familiar. Simple. Only two or three containers. Some capacity for improvement – increase capture rates, which are currently only 66% of available collected materials. Will increase recycling rate by approx. 4% (which was lost when charges were introduced). Reduce flytipping. Free GW would be popular. 	 Cost to the Council – from elsewhere. Might reduce home control Discourages re-use. Increased waste colle Will not meet 50% registration is a targeted in grey recy collection), which is a targeted in grey recy collection, which is a targeted in grey recy collection and the second secon
3	240ltr bin Fortnightly	240ltr bin Fortnightly	240ltr bin Fortnightly (subscription)		Bags / Boxes (Increase range of materials)	275ltrs	 Reduce landfill waste. Reduce cost of collection and disposal. Increase recycling to meet targets – all additional recyclable material, including other plastics, metals, WEEE and textiles is 13.2%, which is 45.2% dry recycling and an additional 10-14% garden waste recycling. Easier for residents as additional recycling can be disposed of at the kerbside, rather than travel to a HWRC or other local recycling bank. 	we can collect for recy variations and alterations
4	240ltr bin Fortnightly	240ltr bin Fortnightly	240ltr bin Fortnightly Food & Garden (free)			360ltrs	 No additional containers required. Less vehicles required. Can still charge for the GW fraction of the bin. Increase recycling through the addition of food. 	 Must treat food wast treatment. Already trialled in Wi waste captured. IVC te Can lead to greater q not successful. Properties without a waste.

recycling by 2020 as only avg. 32% of total waste ecycling bin and avg. 14% garden waste (on a free a total of 46%.

- ly reduce waste arisings.
- sal costs.
- t meeting recycling targets in 2020 and beyond. ot popular.

- savings will therefore be required to come

e composting and charity donations.

ollected per household.

recycling by 2020 as only avg. 32% of total waste ecycling bin and avg. 14% garden waste (on a free a total of 46%.

sal costs.

meeting recycling targets in 2020 and beyond.

he quantity of containers at each property. I boxes/bags and waste not being adequately

- in place with MRWA for the range of materials cycling would possibly require contract
- ations to the MRF COST.
- itional containers and future replacements. collection costs.
- e.g. manual handling of boxes.

aste more rigorously = more expensive

- Wirral and was not successful. Very little food C technology is unreliable.
- r quantity of landfilled waste, if IVC treatment

a garden and no need for a 240ltr bin for food

Option	Green Residual	Grey Dry Recycling	Brown Garden Waste	Food Recycling	Bags/Boxes	Total Weekly Capacity (General + Dry Recycling)	Pros	Cons
5	240ltr bin Fortnightly	240ltr bin Fortnightly	240ltr bin Fortnightly (subscription)	23ltr bin Weekly		263ltrs	 Increase Wirral's recycling rate to 42%, assuming a 30% capture rate. Less biodegradable waste to landfill. Weekly collection of food waste likely to be more popular, especially in Summer. 	 Increase the number Cost to supply food w Replacement contain Supply caddy liners? Cost to run additiona Capture of food wast 7,000 tonnes of 23,000 Increases household waste arisings likely to
6	240ltr bin Fortnightly	240ltr bin Fortnightly	240ltr bin Fortnightly (subscription)	70ltr bin Fortnightly		275ltrs	 Increase Wirral's recycling rate to 42%, assuming a 30% capture rate. Less biodegradable waste to landfill. 	 Increase the number Cost to supply special external). Requires a specific lin per property. Replacement contain Cost to run additiona collection option. Capture of food wast 7,000 tonnes of 23,000 Increases household waste arrisings likely to Fortnightly food waste large scale. Understanding and ad success.
7	240ltr bin 3-Weekly	240ltr bin Fortnightly	240ltr bin Fortnightly (subscription)	23ltr bin Weekly		223ltrs	 Encourage waste prevention and reduction, although overall capacity only 5ltrs less each week. Reduce cost of collection and disposal. Help encourage better use of dry recycling and the food waste collection systems. AHP collection available for families requiring additional capacity for nappies or medical waste? Remove the issue of "smelly waste" in bins for two (or more) weeks. 	 Major change for res Collection confusion Likely to be unpopula Increased risk of flyti Disruption to service industrial action). Increased contamina Increased use of HWI Cost of AHP collectioi Another container fo vulnerable properties.

er of containers per household. waste containers (in house and external). ainers? s? nal service. aste likely to be low (around 30% of available – 000 tonnes, but can be as low as 10%). Id waste capacity to 263ltrs per week, so total to increase. er of containers per household. cial food waste containers (in house and liner for optimum effectiveness - £12 per annum ainers? nal service, but less than the weekly food waste aste likely to be low (around 30% of available – 000 tonnes, but can be as low as 10%). Id waste capacity to 275ltrs per week, so total to increase. aste collection using aerobic bin is untested on a acceptance of the aerobic bin chemistry and esidents. on – calendars essential. ular. ytipping. ce more difficult to manage (e.g. bad weather, nation in recycling bins. WRC. tions – resident or Council to pay? for AHP collections - this could possibly highlight es.

Option	Green Residual	Grey Dry Recycling	Brown Garden Waste	Food Recycling	Bags/Boxes	Total Weekly Capacity (General + Dry Recycling)	Pros	Cons
9	240ltr bin 3-Weekly	240ltr bin Fortnightly	240ltr bin Fortnightly (subscription)	70ltr bin Fortnightly		235ltrs	 Encourage waste prevention and reduction – overall 25ltrs less capacity per week. Reduce cost of collection and disposal. Help encourage better use of dry recycling and the food waste collection systems. AHP collection available for families requiring additional capacity for nappies or medical waste? Remove the issue of "smelly waste" in bins for two (or more) weeks. 	 - 5ltrs less kerbside dis - Would require a large - Major change for resi - Collection confusion - - Likely to be unpopula - Increased risk of flytig - Disruption to service industrial action). - Increased contamination - Increased use of HWF - Cost of AHP collection - Another container fo vulnerable properties. - Fortnightly food wast household collections.
10	<mark>140ltr bin</mark> Fortnightly	240ltr bin Fortnightly	240ltr bin Fortnightly (subscription)	23ltr bin Weekly		213ltrs	 Encourage waste prevention and reuse through less capacity. Reduce cost of collection and disposal. Potentially increase recycling. Retain a more frequent general waste collection. Could also add in an optional AHP collection. 	 27ltrs per week less container to capture m Could be unpopular. Increased risk of flytig Cost of supplying new Logistics of removal contamination
11	140ltr bin Fortnightly		240ltr bin Fortnightly (subscription)	23ltr bin Weekly	Bags / Boxes Source separated materials	210ltrs	 Source separated recycling is compliant with Waste Framework Directive (TEEP). Weekly collection of food and recycling. Optional weekly / fortnightly collection of AHP. Increased range of recycling collected at the kerbside. Welsh collection systems – proving that this is an ideal collection to achieve recycling rates over 50%. Encourages waste prevention and reuse. Likely to increase quality of recyclate. 	 Logistics of removing Removal of 240ltr gree Delivery of new 140lt Replacement contain More sorting of recyce Lots of containers has areas.

disposal capacity per week.

- rger food waste container.
- esidents.
- on calendars essential.
- ular.
- ytipping.
- ce more difficult to manage (e.g. bad weather,
- nation in recycling bins.
- WRC.
- tions resident or Council to pay?
- for AHP collections this could possibly highlight es.
- aste collections are untested on a large scale for ns.
- s capacity possibly require a larger food waste more of the org. catering.
-
- ytipping.
- new bins and/or containers.
- l of old bins.
- nation in recycling bins.
- ng current 240ltr grey bins.
- green bins.
- Oltr bins and recycling containers.
- iners.
- cycling required by residents.
- has not been popular when introduced in other