

CANNOCK CHASE COUNCIL

BRIEFING NOTE

ENVIRONMENTAL SUSTAINABILITY POLICY DEVELOPMENT COMMITTEE

21ST SEPTEMBER 2009

HEAD OF ENVIRONMENTAL SERVICES

UPDATE ON RECYCLING WHEELED BIN TRIAL

1. Purpose of Briefing Note

1.1 To provide Members with current information on the Recycling Wheeled Bin Trial.

2. Recommendation(s)

- 2.1 That members note the contents of this report on the outcome of the first three months of the Recycling Wheeled Bin Trial.
- 2.2 That in noting the report that Members receive a further report on the final outcome of the trial which will run until October 2009.

3. Key Issues

3.1 Cannock Chase Council is required under EU Directives to divert as much waste as possible from landfill by reducing, reusing and recycling waste.

3.2 Under the Environmental Protection Act 1990 (section 52) Household Waste recycling credits are payable by the Waste Disposal Authority (Staffordshire County Council) to Cannock Chase District Council for every tonne of waste diverted from landfill through recycling.

3.3 Residents are currently given the following containers by the Council to store and put out their waste for collection;

Green Wheeled Bin – Household waste (non-recyclable waste)

Brown Wheeled Bin – Garden/Food waste

Blue Box/Bag – Kerbside collection of Dry Recyclable waste (a list of dry recyclable waste items that residents can put out for collection is given in Annex 1 of this report)

3.4 On the 1st December 2008 additional items were added to the Dry Recyclable collection service and the complete list of recyclable items are shown in Annex 1.

3.5 The Council is also aware that it must constantly review manual handling techniques ie. lifting and emptying boxes and bags. Exchanging boxes and bags for wheeled bins would bring dry recyclable material collections in line with the collection techniques used by the Council for the collection of household and garden / food waste.

4. Current information on the Recycling Wheeled Bin Trial

- 4.1 The trial covers sixteen streets with a total of 185 households taking part in the trial, details of which are shown in Annex 2.
- 4.2 The trial started on 16th March 2009 and four officers from the Waste and Engineering Section monitored on collection day the use of the issued black wheeled bin for household waste and the issued blue lidded wheeled bin for recyclable materials. Note, that all types of recyclable materials are able to be placed in the blue lidded wheeled bin.
- 4.3 During the trial officers were satisfied with the way the customers were using the wheeled bins and no problems were raised by customers or the recycling collection contractor re. the collection method or the quality of materials collected.
- 4.4 Annex 3 Table 2 shows that of 132 households reviewed prior to the trial the average litres of household waste collected was 181 litres and recyclable materials collected in blue boxes and bags totalled 140 litres. The recyclable materials equated to 44% of the total waste presented for collection. It should be noted that householders who had insufficient storage capacity were placing the remaining recyclable materials in their household waste bin.

5. Current conclusions on the Recycling Wheeled Bin Trial

- 5.1 A review was also undertaken of the number of containers at each property and in Annex 4 Table 3 the average per property was 1 wheeled bin for household waste and 2 blue boxes with 1 bag for recyclable materials. For the trial householders were issued with 1 black wheeled bin for household waste and 1 blue lidded wheeled bin for all their recyclable materials as shown in Annex 4 Table 4.
- 5.2 During the period 16th March 2009 and 12th June 2009 all 185 properties were visited fortnightly by officers from the Waste and Engineering Services Section and on each occasion the household waste wheeled bin and the recyclable materials wheeled bin were analysed for litres of household waste and litres of recyclable materials presented for collection. In summary Annex 5 Table 6 shows that the average household waste was 129 litres per collection and recyclable materials totalled 186 litres. The recyclable materials equated to 59% of the total waste presented for collection.
- 5.3 In the Annex 6 Table comparison information is shown between the prior to trial and the trial period relating to the average litre of household waste collected and recyclable materials collected from each household. As, has been mentioned earlier in this report, the average % litres of recyclable materials collected increased from 44% to 59% through the use of wheeled bins.
- 5.4 The average total litres of waste (household and recyclable) per household equated to 321 litres before the trial and 315 litres during the review period. The totals are almost the same for each period, therefore all statistics produced in this report are considered to have the required confidence levels.
- 5.5 A final point should also be noted, that no wheeled bins containing recyclable materials have been rejected for contamination by the recycling collection contractor or processing plants.

Annex 1

Shown in the table below are lists of the items which can be collected as part of the dry recyclable waste collections from 1st December 2008.

<u>BLUE BOX</u>	<u>PAPER BAG</u>
DRINKS CANS	PAPER and WRITING PAPER
GLASS JARS (All colours)	MAGAZINES
FOOD TINS	BROCHURES and CATALOGUES
AEROSOLS (Empty)	GREETINGS CARDS
GLASS BOTTLES (All colours)	NEWSPAPERS
PLASTIC CUTLERY	JUNK MAIL
PLASTIC CONTAINERS (eg. Tupperware types)	SHREDDED PAPER
PLASTIC CUPS and PLATES	TOILET and KITCHEN ROLL INNERS
EMPTY CARRIER BAGS	PAPER BAGS
PLASTIC FOOD TRAYS	CARDBOARD PACKAGING
CLING FILM	CARDBOARD FOOD SLEEVES
WAXED MILK & DRINKS CARTONS	CARDBOARD EGG BOXES
PLASTIC PLANT POTS and PLASTIC PLANT TRAYS	WINDOWLESS ENVELOPES
GLASS (Cups, glasses, beer glasses – not Pyrex types)	TELEPHONE DIRECTORIES
PLASTIC FOOD PACKAGING (margarine, butter, ice cream, yoghurt cartons)	CARDBOARD (cereal food boxes, toothpaste and tablet boxes)
PLASTIC BOTTLES (pop, water, cordials, milk, detergent, shampoo, fabric softener, washing up liquid)	PAPER PLATES
ALUMINIUM FOIL & FOOD TRAYS	YELLOW PAGES
	WRAPPING PAPER (Remove sellotape)

Annex 2			
List of trial streets and number of households taking part in the trial			
Collection Day	Number of households taking part in the trial	Street	Officer
Monday	14	Hereford Road - Chadsmoor	R&CCO
Monday	14	Smillie Place - Chadsmoor	R&CCO
Tuesday	12	Newlands Court – Heath Hayes	R&CCO
Tuesday	9	Cleeton Street – Heath Hayes	R&CCO
Wednesday	10	Laburnum Close - Cannock	W&ESM
Wednesday	8	Kingswood Avenue - Cannock	W&ESM
Wednesday	10	Falcon Close - Cannock	W&ESM
Wednesday	14	Hatherton Road – Cannock	W&ESM
Thursday	9	Grindcobbe Grove - Rugeley	W&EDO
Thursday	14	Ferncombe Drive - Rugeley	W&EDO
Thursday	15	Bower Lane - Rugeley	W&EDO
Thursday	11	Post Office Lane – Rugeley	W&EDO
Friday	11	Mendip Road - Hednesford	WOS
Friday	14	Mount Avenue - Hednesford	WOS
Friday	12	Cobden Close - Hednesford	WOS
Friday	8	Daisy Bank – Hednesford	WOS
-	185	Total households taking part in the trial.	-

Annex 3							
TABLE 1 Contents of existing containers prior to the trial.							
Weekday	Number of Households	Household Green Bin Litres	Recycling Blue Box Litres	Recycling Bag Litres	Total Waste Litres	Total Recycling Litres	% Recycling Litres
Mon / Tue	46	8527	4400	2950	15877	7350	46%
Wednesday	42	7152	3795	1900	12847	5695	44%
Thursday	Not available	Not available	Not available	Not available	Not available	Not available	Not available
Friday	44	8196	3575	1850	13621	5425	40%
Total	132	23875	11770	6700	42345	18470	44%
TABLE 2 Average contents per household prior to the trial							
Weekday	Number of Households	Household Green Bin Av. Litres	Recycling Blue Box Av. Litres	Recycling Bag Av. Litres	Total Waste Av. Litres	Total Recycling Av. Litres	% Recycling Litres
Mon / Tue	46	185	96	84	345	160	46%
Wednesday	42	170	91	45	306	136	44%
Thursday	Not available	Not available	Not available	Not available	Not available	Not available	Not available
Friday	44	187	81	42	310	123	40%
Total	132	181	89	51	321	140	44%

Annex 4							
TABLE 3 Average containers per household prior to the trial							
Weekday	Number of Households	Number of Household Green Bins	Number of Recycling Blue Boxes	Number of Recycling Bags	Average Number Household Green Bins Per Property	Average Number Recycling Blue Boxes Per Property	Average Number Recycling Bags Per Property
Mon / Tue	46	46	80	59	1	2	1
Wednesday	42	42	69	38	1	2	1
Thursday	Not available	Not available	Not available	Not available	Not available	Not available	Not available
Friday	44	44	65	37	1	2	1
Total	132	132	214	134	1	2	1
TABLE 4 Average containers per household for the trial							
Weekday	Number of Households	Number of Household Black Bins	Number of Recycling Blue Lidded Bins	Average Number Household Black Bins Per Property	Average Number Recycling Blue Lidded Bin Per Property		
Mon / Tue	49	49	49	1	1		
Wednesday	42	42	42	1	1		
Thursday	49	49	49	1	1		
Friday	45	45	45	1	1		
Total	185	185	185	1	1		

Annex 5							
TABLE 5 Contents of containers during to the trial.							
Weekday	Number of Households	Household Black Bin Litres	Recycling Blue Box & Bag Litres	Recycling Blue Lidded Bin Litres	Total Waste Litres	Total Recycling Litres	% Recycling Litres
Mon / Tue	49	45731	1770	61788	109289	63558	58%
Wednesday	42	37482	220	51936	89638	52156	58%
Thursday	49	38719	2515	57684	98918	60199	61%
Friday	45	39824	585	55992	96401	56577	59%
Total	185	161756 (3 months)	5090 (3 months)	227400 (3 months)	394246 (3 months)	232490 (3 months)	59%
TABLE 6 Average contents per household during to the trial							
Weekday	Number of Collections from Households	Household Black Bin Av. Litres / Collection	Recycling Blue Box & Bag Av. Litres / Collection	Recycling Blue Lidded Bin Av. Litres / Collection	Total Waste Av. Litres / Collection	Total Recycling Av. Litres / Collection	% Recycling Litres
Mon / Tue	329	139	5	188	332	193	58%
Wednesday	272	137	1	191	329	192	58%
Thursday	343	113	7	168	288	175	61%
Friday	306	130	2	183	315	185	59%
Total	1250	129	4	182	315	186	59%

Annex 6		Comparison of contents prior to trial and during trial.		
Weekday	Household waste Av. Litres / Collection	Recycling Av. Litres / Collection	Total Waste Av. Litres / Collection	% Recycling
Mon / Tue prior to trial	185	160	345	46%
Mon / Tue during trial	139	193	332	58%
Wednesday prior to trial	170	136	306	44%
Wednesday during trial	137	192	329	58%
Thursday prior to trial	Not available	Not available	Not available	Not available
Thursday during trial	113	175	288	61%
Friday prior to trial	187	123	321	40%
Friday during trial	130	185	315	59%
Average prior to trial	181	140	321	44%
Average during trial	129	186	315	59%