Report – Executive Policy Committee – March 8, 2006

Item No. 2 Implementation of Residential Solid Waste Collection Plan - Autobins File WT-1

EXECUTIVE POLICY COMMITTEE RECOMMENDATION:

On March 8, 2006, the Executive Policy Committee submits the following to Council:

1. That the portion of the July 27, 2005 Council Decision approving the Residential Solid Waste Collection – Alternate Service Delivery Business Plan pertaining the conversion of roll-out carts (Autobins) to manual collection be rescinded, thus retaining the use of roll-out carts.

2. That the Proper Officers of the City be authorized to do all things necessary to implement the intent of the foregoing.

Report – Executive Policy Committee – March 8, 2006

DECISION MAKING HISTORY:

EXECUTIVE POLICY COMMITTEE RECOMMENDATION:

On March 8, 2006, the Executive Policy Committee recommended that the portion of the July 27, 2005 Council Decision approving the Residential Solid Waste Collection – Alternate Service Delivery Business Plan pertaining the conversion of roll-out carts (Autobins) to manual collection be rescinded, thus retaining the use of roll-out carts, and submitted the matter to Council.

EXECUTIVE POLICY COMMITTEE RECOMMENDATION:

On January 18, 2006, the Executive Policy Committee requested the Administration to provide clarification and report back on the implementation of the Residential Solid Waste Collection Services Business Plan, in particular, the elimination of roll-out autobins effective March 2006 and replacement of same with manual collection of garbage cans.

COMMUNITY COMMITTEE RECOMMENDATION:

On January 17, 2006, the Lord Selkirk-West Kildonan Community Committee placed on record its concern relative to the City's intention to eliminate the roll-out autobins effective March 2006, and replacing same with manual collection of garbage cans, and forwarded the matter to the Mayor, the Chief Administrative Officer and the Director of Water and Waste.

COUNCIL:

On July 27, 2005, Council concurred in the recommendation of the Alternate Service Delivery Committee, as amended by the Executive Policy Committee, and approved the Residential Solid Waste Collection – Alternate Service Delivery Business Plan dated April 25, 2005.

RE: GARBAGE ROLL-OUT CART CONVERSION

FOR SUBMISSION TO: Executive Policy Committee

ORIGINAL REPORT SIGNED BY: The Director of the Water and Waste Department

REPORT DATE: January 27, 2006

RECOMMENDATION(S):

That Council provide direction on:

a) Whether to retain the roll-out carts or proceed with the conversion to manual collection and;
b) Should the direction be to retain the carts, whether or not to implement the recommended change to collection on recycling day or retain the Wednesday collection

REPORT SUMMARY

KEY ISSUES:

- On July 27, 2005 Council approved an Alternate Service Delivery Business Plan which recommended that garbage collection service in the south and AutoBin areas of the City be contracted out. The Business Plan also recommended that the 890 locations in the AutoBin area serviced with roll-out carts be converted to manual collection.
- On January 18, 2006 Executive Policy Committee requested an administrative report to provide clarification on the elimination of the roll-out carts in the AutoBin area.
- This report provides background and three alternatives for consideration
- Council direction is required if it wishes to modify the previously approved business plan and retain the roll-out carts instead of the conversion to manual collection.
- Should Council direct that roll-out carts be retained, Council should also provide direction on whether it would be acceptable to change the collection day from Wednesday to the day cycle as preferred by the department to match recycling.

IMPLICATIONS OF THE RECOMMENDATION(S):

General Implications

X	None
	For the organization overall and/or for other departments
	For the community and/or organizations external to the City of Winnipeg
	Involves a multi-year contract

Comment(s):

Policy Implications

X	No
	Yes – Comment(s):

Environmental Implications

X	None
	Yes – Comment(s):

Human Resources Implications

X	No
	Yes – Comment(s):

Financial Implications

X	Within approved current and/or capital budget
	Current and/or capital budget adjustment required

Comment(s):

REPORT

REASON FOR THE REPORT:

At the Meeting of the Executive Policy Committee on January 18, 2005, the following motion was passed.

> *The Executive Policy Committee requested the Administration to provide clarification and report back on the implementation of the Residential Solid Waste Collection Services Business Plan, in particular, the elimination of roll-out autobins effective March 2006 and replacement of same with manual collection of garbage cans.*

DISCUSSION:

Background

There are approximately 890 residential locations in the AutoBin area that do not have back lanes or a spot to place an AutoBin. In 1992, these locations were given 350 litre roll-out carts for their garbage. The carts are placed out for collection on the front street every Wednesday by the resident. Recycling is collected from these locations on the day cycle schedule, the same as the rest of the City. Due to the rotation of the day cycle, these locations have a different day for garbage and recycling collection about 80% of the time.

The reason that these carts are not collected on the day cycle is because the collection vehicles are automated side load trucks (the same ones that collect AutoBins) and they are required to collect from apartment locations on set schedule on the other four days of the week. Collecting the roll-out carts on a Wednesday helps balance out the daily work requirement throughout the week.

The Solid Waste Bylaw stipulates that the maintenance of these carts are the responsibility of the property owner[1] however the Water & Waste Department has been maintaining these carts since there are no replacement roll-out carts or parts available from a retail outlet. This includes replacing carts when they have been burnt or lost.

ASD Solid Waste Collection Business Plan

The ASD Solid Waste Collection Business Plan recommended that these locations with roll-out carts be converted to manual collection on the day cycle[2]. If this component of the business plan were to proceed, The Water & Waste Department would provide each location two normal sized garbage cans, along with an informational leaflet to explain the conversion.

The reasons for this recommendation were:

- Roll-out carts are costly to collect. The time required to collect one cart location is more than one minute as compared to manual collection which is between 15 and 20 seconds. As well, the carts need to be aligned perpendicularly to the roadway so they can connect to the automated collection vehicle. There are numerous instances where staff is required to get out of the collection vehicle to straighten the cart and/or manually collect garbage that is not placed in the cart.
- Customer convenience. The Water & Waste Department concluded that having two separate collection days for garbage and recycling was not convenient for these locations. As well, the carts are not easy to move in the winter months.
- Neighbourhood Aesthetics. Since the carts are not easy to move in the winter months, there are some streets where residents simply leave their carts out at the curb all week.
- Equity. This recommendation would result in the same service as the approximately 72,234 other locations in the City with front street manual collection service.

The ASD Solid Waste Collection Business Plan was approved by Council on July 27, 2005.[3]

Recycling

Subsequent to Council approving the business plan, the Water and Waste Department decided to also provide one recycling box with the garbage cans to each of these locations in order to encourage recycling with the switch to "normal" collection.

[1] City of Winnipeg, Solid Waste Bylaw (1340/76), Section 24 (b) (iv).

[2] Water and Waste Department, Solid Waste Collection Business Plan <http://www.winnipeg.ca/clkdmis/documents/asd/2005/a5173/business%20plan.pdf>, Pg 2, 16 and 18.

[3] City of Winnipeg, Council meeting minutes, July 27, 2005 <http://www.winnipeg.ca/CLKDMIS/ViewDoc.asp?DocId=5452&InitUrl=>

Alternatives

Appendix A to this report contains a summary of the alternatives presented in this report and photographs.

Alternative 1 – Retain roll-out carts.

The conversion to manual collection has not occurred yet so it would be possible to retain the existing roll-out carts and continue to collect them. In order to offer these residents recycling and garbage collection on the same day, it would be recommended that garbage collection schedule be changed from Wednesdays to the regular day cycle to coincide with recycling collection. This would result in 50 collections per year as compared to the 52 collections currently done and would have the added benefit of being consistent with the other 149,064 non-AutoBin locations in the remainder of the City.

The carts would continue to be maintained and replaced by the City.

Alternative 2 – Convert to manual collection

This option is the same as the ASD Business Plan. These locations would be given two garbage cans and a recycling box. Collection of both garbage and recycling would occur on the same day of the regular day cycle collection calendar.

Alternative 3 – Convert to manual collection/optional cart to move garbage cans

This option is similar to the ASD Business Plan recommendation except every location would be offered a wheeled cart to hold their garbage cans. This would make it easier for residents to set out their garbage cans for collection, similar to the existing roll-out carts.

Financial Impact

	Alternative 1 – Retain roll-out carts	Alternative 2 – Convert to manual collection	Alternative 3 – Convert to manual collection/carts
Number of locations	890	890	890
Collection cost per location per year	$87.50	$40.00	$40.00
Total collection cost per year	$77,875	$35,600	$35,600
Cost per year to maintain carts	$5,000	$0	$0
Total collection cost	$82,875	$35,600	$35,600
Cost of garbage cans	$0	$18,265	$18,265
Net cost of blue box	$0	$1,116	$1,116
Cost of garbage cart (890 @ $100)	$0	$0	$89,000

Cost to deliver cans/box	$0	$12,000	$12,000
Sale of surplus roll-out carts	$0	-$5,000	-$5,000
Total capital cost	$0	$26,381	$115,381
Amortized capital cost (5 yrs @ 6%)	$0	$6,263	$27,392
Total annual Cost	$82,875	$41,863	$62,992

Alternative 2, the ASD Business Plan recommendation, is the lowest cost option.

The garbage cans and recycling boxes have been purchased at a cost of $24,000 and are in storage at 1539 Waverley Street. If Alternative 1 is implemented, the cans and boxes would be sold in accordance with the City purchasing policy.

FINANCIAL IMPACT:

There is no financial impact associated with the recommendation as this report has been submitted for informational purposes only.

Financial Impact Statement **Date:** 26-Jan-06

Project Name: Roll-out Cart Conversion

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Moira L. Geer C.A.
Manager of Finance & Administration

IN PREPARING THIS REPORT THERE WAS CONSULTATION WITH AND CONCURRENCE BY:

THIS REPORT SUBMITTED BY:

Water and Waste Department
Solid Waste Services Division
Prepared by: J. Dan McInnis, P. Eng
File No. 011-15-01-00-00

APPENDIX A

Alternative 1 – Retain roll-out carts

Approximate Annual Cost

Number of locations		890
Unit cost of collection	$	87.50
Collection cost - 2006	$	77,875.00
Cart maintenance	$	5,000.00
Total annual cost	$	82,875.00

Advantages

- No change from status quo
- Preferred by area councillor representing the users

Disadvantages

- Additional cost of $41,000 per year versus alternative 2.

Roll-out Cart



Alternative 2 – Convert to manual collection using garbage cans

Approximate Annual Cost

Number of locations		890
Unit cost of collection	$	40.00
Collection cost - 2006	$	35,600.00
Implementation (cans, blue boxes)	$	26,381.00
Amortization of implementation (5 years @ 6%)	$	6,262.75
Total annual cost	$	41,862.75

Advantages

- Cost savings

Disadvantages

- Change in service

Two Garbage Cans and Recycling Box



Alternative 3 – Convert to manual collection using garbage cans and in addition supply an optional cart to move the cans.

Approximate Cost

The cost would be the same as alternative 2 plus the amortization costs of the optional cart. Assuming we can find a sturdy cart at $100, this alterative would eat up a lot of the savings and probably would not be preferable to alternative 1.

Cost of cart	100
Life	5
Interest rate	0.06
Cost per year	$23.74
Number of carts	890
Cost per year	$21,128.28

Advantage

- A compromise

Disadvantages

- Additional cost of $21,000 per year
- Uncertain in terms of the type and cost of the cart.

<u>Garbage Can Cart</u>

