

3-STREAM COLLECTION PHASE 2 Presentation

**General Committee
January 24, 2005**



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BACKGROUND

On April 27, 2004 Markham Council approved phasing in a 3-stream green bin collection system in two phases.

On September 17, 2004, Phase 1 was successfully launched in Fridays collection area to 12,000 homes.

Phase 2 involving 55,000 homes to be launched in 2005.



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Focus group meetings of Phase 1 residents were conducted to determine the level of satisfaction with the new green bin system and determine any program adjustments for Phase 2

KEY FINDINGS:

- High awareness of GTA/Michigan landfill issues
- Strong support for 70% diversion goal
- High level of satisfaction with green bin. Residents liked the wheeled bin
- High acceptance of every other week residue collection
- Positive response to expanded blue box recycling collection
- Need to address multi-cultural communications
- Need for on going follow-up education

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In November 2004, RIS International completed a waste audit of 40 Phase 1 homes.

KEY FINDINGS:

- 100% of all blue boxes were set out full / 70% of green bins were full
- Green bin is capturing 75% of available food
- 66% capture rate for diapers in green bin
- 91% capture of newspaper; only 54% capture of household paper
- 89% capture rate of pet waste
- Contamination rate for green bin was low at 5.5%

For the month of November 2004, a 72% overall diversion rate was achieved in the Phase I collection area



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ON DECEMBER 16, 2004 YORK REGIONAL COUNCIL ADVISED:

1. All local municipalities to implement a SSO (source separated organics) collection program no later than June 1, 2006 or on the renewal date of their respective collection contracts
2. The new Bales Road recycling facility (comingled recyclables) will be operational on July 4, 2005
3. Halton Recycling is under contract with the Region to handle 60,000 tonnes per year of SSO material until March 2009



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PROPOSED GREEN BIN LAUNCH SCHEDULE

RICHMOND HILL	JULY 05 or SEPT 05
AURORA	JULY 05 or SEPT 05
EAST Gwillimbury	AFTER JULY 2005
NEWMARKET	SEPT 2005
WHITCHURCH-STOUFFVILLE	SEPT 2005
GEORGINA	SEPT 2007
VAUGHAN	NOT BEFORE JULY 2005
KING	UNDETERMINED

Toronto North York is launching Green Bin program for
110,000 homes September 2005



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REQUIRED FOR PHASE 2 IMPLEMENTATION

1. LAUNCH DATE
2. PROCUREMENT OF GREEN BINS
3. PROJECT UPDATES FOR ALL MEMBERS OF COUNCIL

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1. LAUNCH DATE : MONDAY JUNE 13, 2005

1. Secures SSO processing capacity at HRL facility. Region has secured contingency processing for SSO material with Comporec in Quebec
2. Regional Staff and Miller Waste have indicated that comingled recyclables from a June launch could be used for facility commissioning purposes
3. Collection vehicles available for June
4. School outreach opportunities exist
5. Additional collection costs offset by savings from Toronto processing charges paid by Markham
6. Summer students available to support for pre- and post- launch activities
7. Secure Markham's Environmental leadership role by achieving diversion targets in 2005 and diverting waste from Michigan landfill

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ESTIMATED SSO TONNAGE PROCESSED AT HRL

Municipality	Estimated Current Annual Tonnage	Estimated Annual Tonnage at June launch	Estimated Annual Tonnage at September launch
Toronto	47,000	47,000	70,000
Markham	2,000	20,000	20,000
Aurora*	0	0	2,534
East Gwillimbury*	0	0	1,196
Georgina*	0	0	
King*	0	0	
Newmarket*	0	0	4,103
Richmond Hill*	0	0	8,567
Vaughan*	0	0	
Whitchurch-Stouffville*	0	0	1,419
TOTAL	49,000	67,000	107,820

* based on projected SSO generation rate of 0.180kg/hhld/yr

**Source: York Region Planning Department based on Statistics Canada data and CMHC Housing Completion data as provided by Region staff on 05/04/04

HRL Certificate of Approval capacity is 120,000t per year 9



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2. PROCUREMENT OF CONTAINERS

- A full RFP process can not be completed and bins manufactured for June launch.
- Norseman Green Bins can be purchased in compliance with Town's Purchasing By-law under Town same terms and price per unit as Phase 1
- Report to February 14, 2005 meeting of Finance and Administrative Committee

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3. PROJECT UPDATES FOR COUNCIL MEMBERS

- 3-Stream Project Team model worked extremely well for Phase 1; design work is complete
- Phase I could not have been successfully launched without the input and leadership of 3-Stream Project Team
- Phase 2 will launch 3-stream collection Town wide and all members of Council will be impacted



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RECOMMENDATIONS:

1. Launch Phase 2 on Monday June 13, 2005
2. Report to February 14, 2005 Finance and Administrative Committee on procurement of green bins
3. Staff to manage Phase 2 and provide monthly updates to General Committee