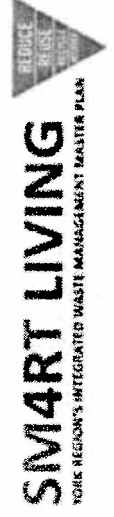

Integrated Waste Management Master Plan Phase 1 Update

Presentation to Town of Markham General Committee

Peter Loukes and Dave Gordon
May 7, 2012

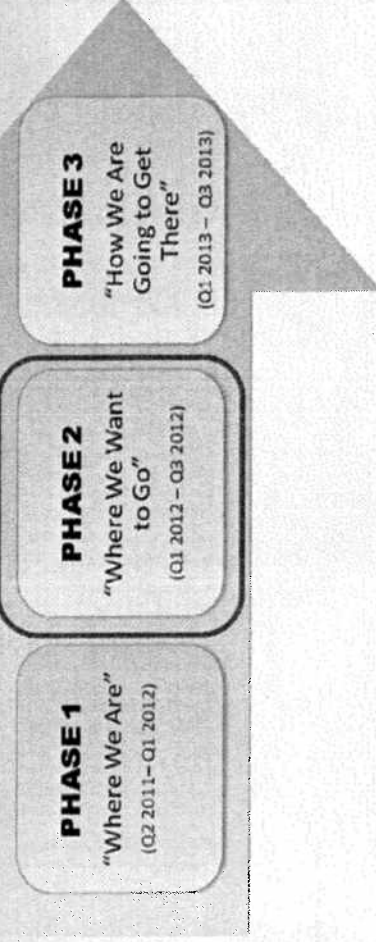


Overview of SM4RT LIVING Plan

Plan Vision

A comprehensive program that goes beyond traditional long-term strategies by presenting innovative, integrated material management and waste minimization solutions that meet the needs of residents

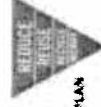
Current Phase



SM4RT LIVING means working towards a zero waste society

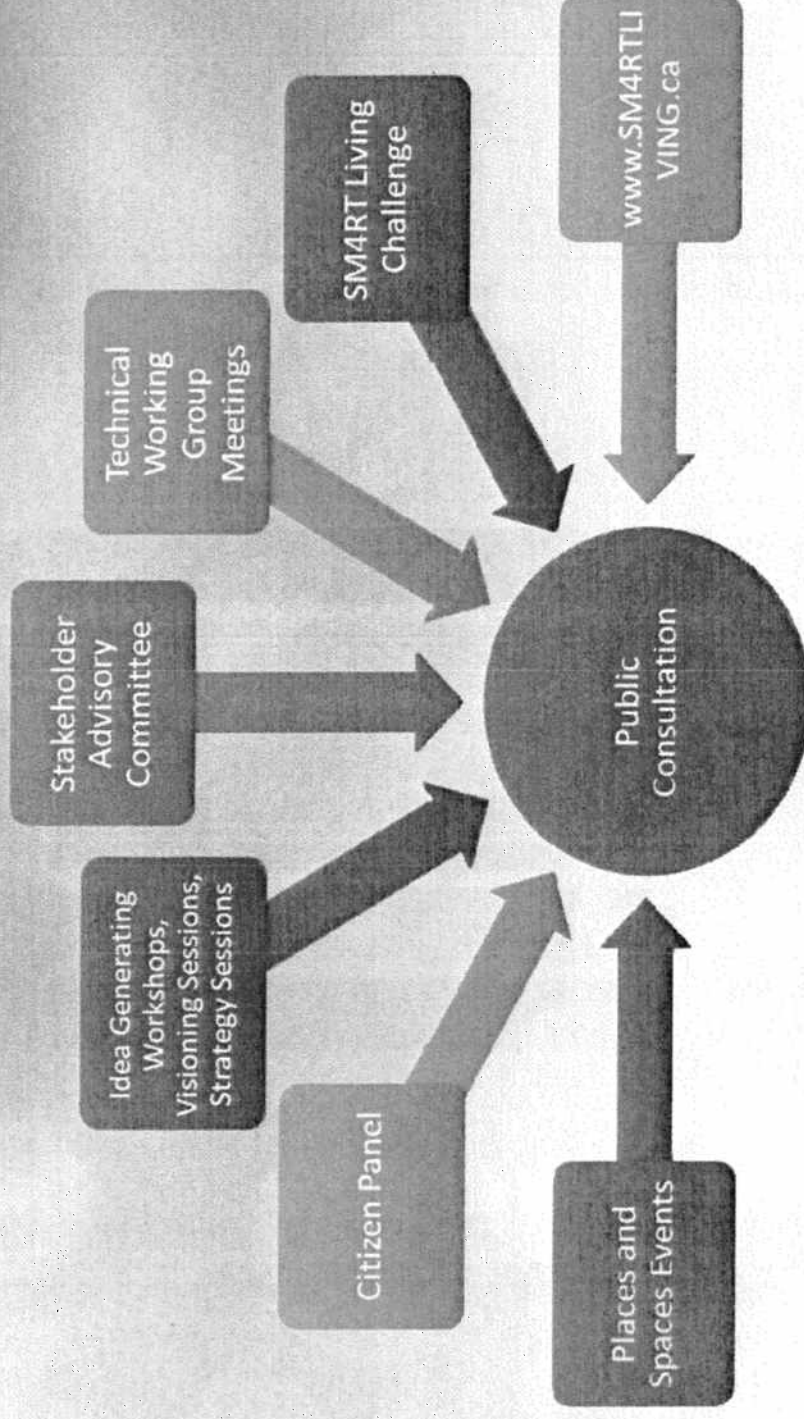


SM4RT LIVING
YORK REGION'S INTEGRATED WASTE MANAGEMENT MASTER PLAN



Phase 1 –

Public Consultation & Engagement



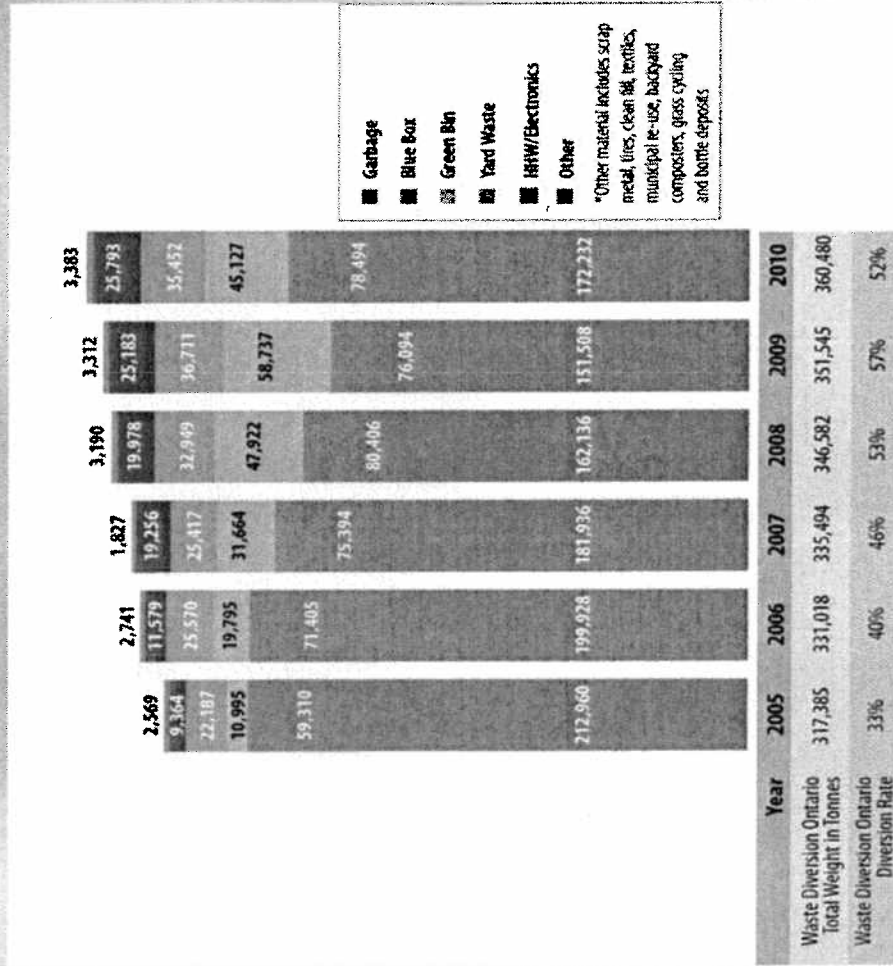
This engagement plan will be one of the largest and most diverse ever completed for a waste management master plan



SM4RT LIVING
YORK REGION'S INTEGRATED WASTE MANAGEMENT MASTER PLAN



Waste Generation and Diversion over the years



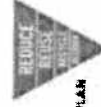
Opportunities in Residual Waste Stream

RANK	Material Category	Per cent of residual stream	Tonnes / Year
1	Food Waste	17%	14,605
2	Drywall—used	11%	10,091
3	Furniture	7%	5,842
4	Diapers and Sanitary Products	7%	5,842
5	Textiles	5%	4,426
6	Tissue/Towelling	4%	3,541
7	Pet Waste	4%	3,364
8	Laminated/Other Plastic Film and Bags	4%	3,098
9	Construction & Renovation (other) which includes everything from spent caulking tubes to insulation.	3%	2,921
10	Leaf and Yard Waste	3%	2,390
Total Top 10 Materials			56,120
Program already exists to Capture			50,101
No Program exists to Capture			6,019



SMART LIVING

YORK REGION'S INTEGRATED WASTE MANAGEMENT MASTER PLAN



Comparison of Total Blue Box System

Municipality	Blue Box Tonnes Marketed	Net Cost Per Tonne
Halton Region	41,735.71	\$162.97
City of Hamilton	40,272.24	\$178.18
York Region	78,493.50	\$183.90
Durham Region	45,161.89	\$184.60
City of London	25,485.00	\$224.71
Region of Peel	90,367.20	\$245.49
City of Toronto	155,010.00	\$273.69

York Region's net cost per tonne is \$45 lower than the weighted average



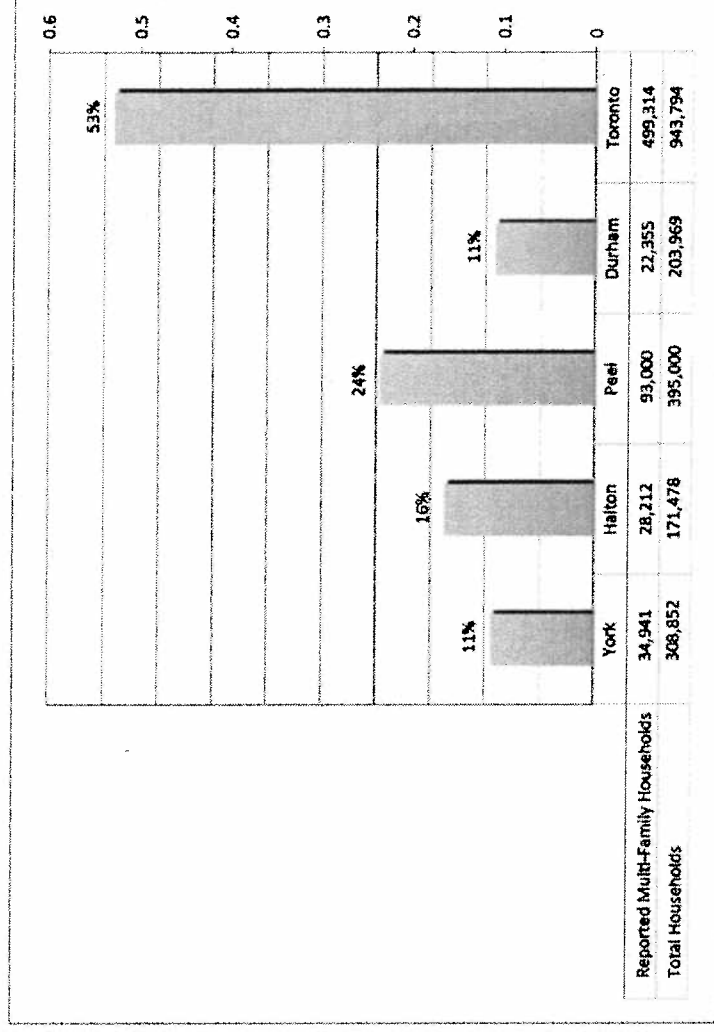
SMART LIVING
YORK REGION'S INTEGRATED WASTE MANAGEMENT MASTER PLAN



High Rise Multi-residential Households Significant Future Opportunities

In preparation for the significant growth in this sector the Region has:

- Bylaws in place
- Consideration of future infrastructure included in capital budget
- Ten municipal partners working on solutions



High rise multi-residential households expected to grow to 22% of households in
York Region by 2031



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YORK REGION'S INTEGRATED WASTE MANAGEMENT MASTER PLAN

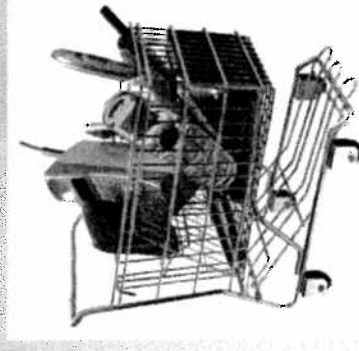
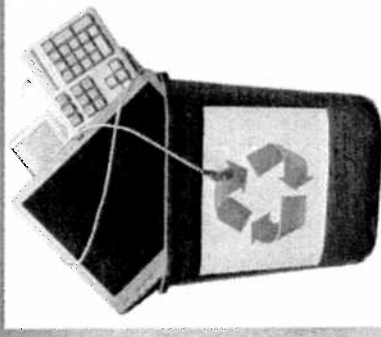


Extended Producer Responsibility

Making producers responsible for what they make, right through to the product's end of life

Extended Producer Responsibility could result in:

- A change in the responsibility for waste collection and processing
- Additional costs to the consumer at point of purchase
- Potential reduction of taxes required to support the municipal waste management system

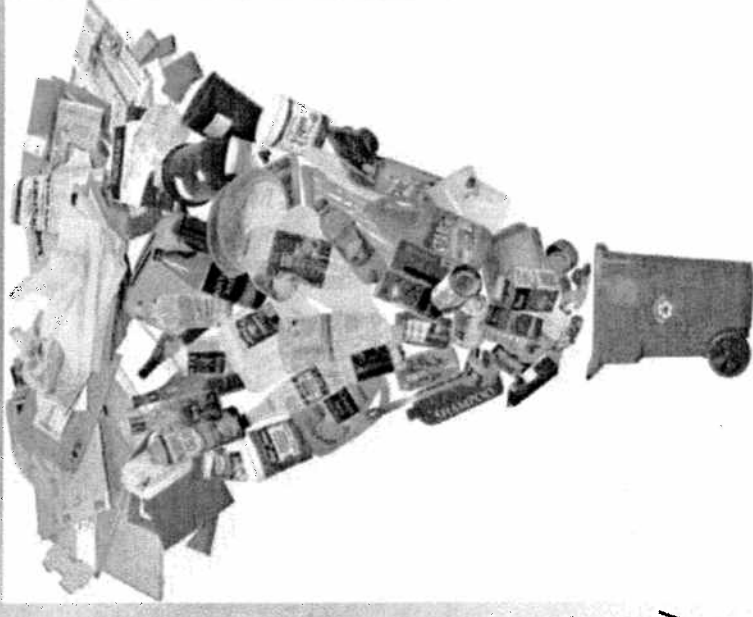


Master Plan process enables Region and Local Municipalities to examine waste management system and be well positioned to respond to Extended Producer Responsibility programs



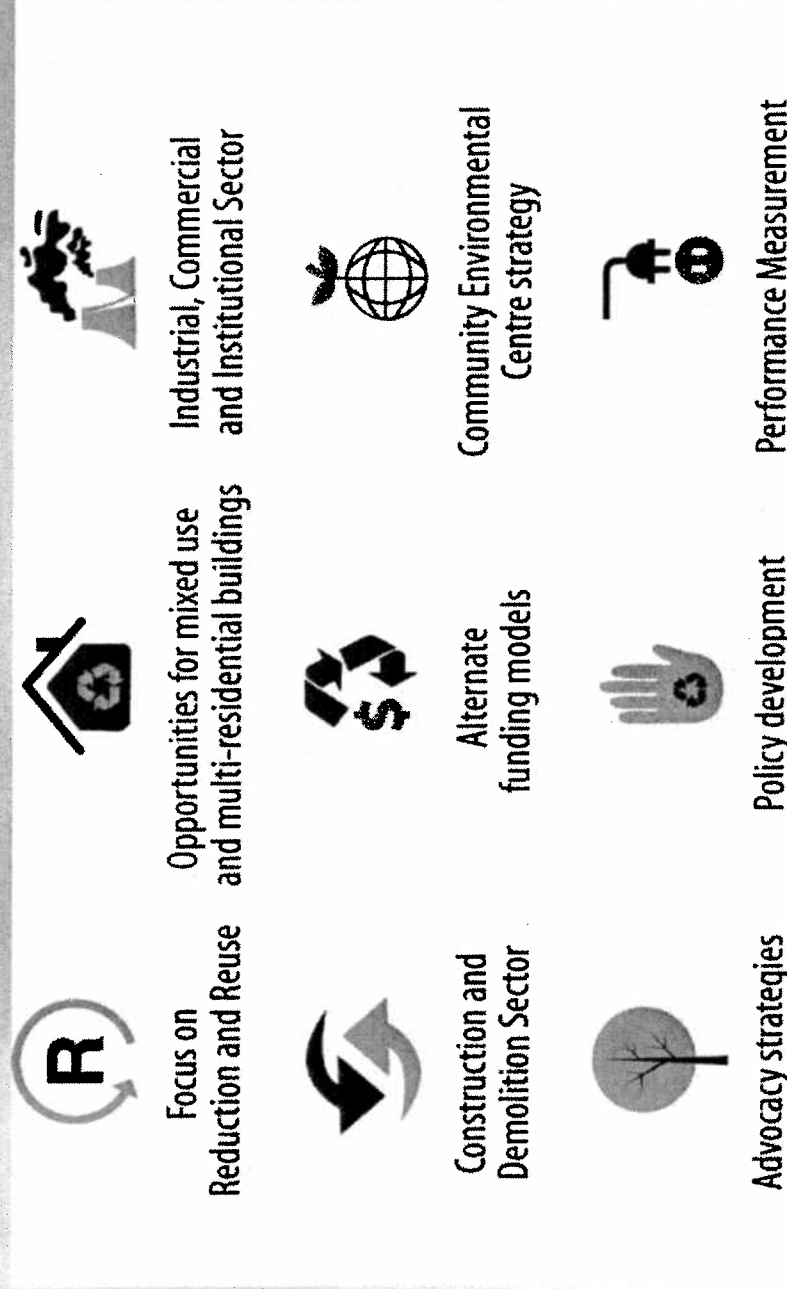
Waste Reduction and Reuse Activities

- Sustainability Strategies
- Green procurement strategies
- User pay and bag limit systems
- Zero waste programs
- Removing waste from the system
- Mandatory recycling by-laws
- Supporting industry-led initiatives
- Advocate environmental design of consumer products
- Development of Community Environmental Centres and Drop-off Depots
- Working with partners such as Habitat for Humanity and Goodwill



Master plan focuses on waste reduction as the most critical step to long-term sustainability

Opportunities to be Explored



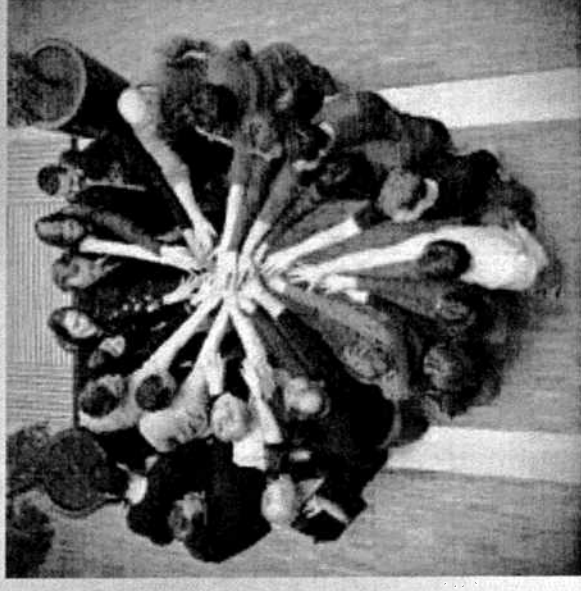
Efforts over last 30 years have been highly effective in diverting waste using end-of-pipe solutions.
Efforts now shifting to prevent waste generation and encourage resource conservation

Waste Management Services delivered through Integrated Partnership Model

Significant work has been undertaken by ten partners to develop an Integrated Partnership model.

Commitment to achieve:

- common specific performance standards that define success
- phased implementation approaches
- areas for program synergies
- autonomy for Local Municipalities



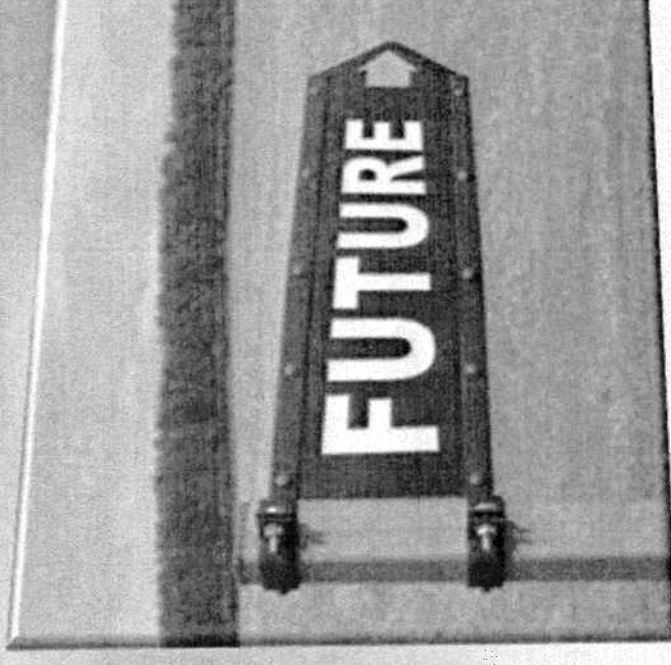
Integrated Partnership Model supports collaboration, innovation and leveraging of expertise



Next Steps:

Finalize Phase 2 (end of Q3 2012)

- Seek stakeholder consultation on drafted long-term vision and guiding principles
- Finalize and implement Decision Making Framework
- Finalize waste management projections
- Continue to work as ten partners to scope and identify opportunities for innovative program delivery and funding models



Questions?

