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Solid Waste 
Management Plan

Presented By: Danielle Braney

Date: May 2nd, 2007



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Waste Diversion Act



- To promote the reduction, reuse and recycling of waste and to provide for the development, implementation and operation of waste diversion programs.
- WDA created Waste Diversion Ontario (WDO) in 2002.



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Waste Optimization Study

- Goal was to optimize the delivery and performance of waste management.
 - Current systems
 - Alternative systems
- Waste Diversion Target of 65%
- Recommendation:
 - Aerobic composting
 - Mixed recycling / organics co-collection
 - Leaf and yard trimmings / garbage co-collection
 - Landfill gas utilization



Important Points – New system



- Flexibility to accept waste from other sectors.
- Able to produce energy from waste
- Maintain weekly collection of bulky items
- Maintain backyard composting & household hazardous waste programs
- Collect the 4 streams of waste on the same day, at one collection location and no earlier than 7:00 a.m.



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Technical Steering Committee



- The TSC was implemented in 2003.
- Role of the TSC was to provide guidance and input to staff.
- TSC ultimately responsible for recommending an optimized system to Council.



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Waste Management By-law



- To regulate the collection, removal and disposal of waste within the CGS.
- Public meeting was held on February 23, 2005.
- By-Law 2005-57G was enacted amending former By-Law 2002-331G.



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Aerobic Composting – Leaf and Yard Trimmings

- Material type:
 - Grass, leaves, brush
 - Clean wood
- Processing:
 - Grinding, screening, mixing in windrows at each landfill site
- Compost used by City or sold at landfill sites – self serve.



Aerobic Composting – Kitchen Waste

- Waste type:
 - Food waste (fruit, vegetables, meat, fish, etc)
 - Non-recyclable paper waste (tissue paper)
- Processing:
 - Windrows at Sudbury Landfill Site
- Compost yet to be tested



Collection

- From two vehicles collecting garbage and recyclable material
- To two co-collection vehicles collecting:
 - Garbage and leaf & yard waste
 - Recyclable material & organic waste (pilot project)
- Frequency
 - Weekly collection for garbage and recyclable material
 - New in 2007: Weekly collection for leaf & yard waste
 - *In 2008 – weekly organic waste collection city wide subject to Council approval.*



Dry Recyclables Processing



- From three streams plus collection/processing
- To one stream where all recyclable are collected co-mingled – May 2006
- New processing plant – August of 2006
 - Automated and manual sorting



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Landfill Gas Utilization

- Gas Collection System (mandated)
- Flaring Station
- Reciprocating Engines and Generator
- Production of electricity
- Equivalent Supply 1200 homes
- Production



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