

Public Information Centre

Preferred Solution

for the

Municipal Solid Waste Management Strategic Plan



Public Meeting #5
November 27, 2011

Round Lake, Ontario

Tyler H. Peters, P.Eng.
Project Manager

Greenview Environmental Management Limited
tel: (613) 332 – 0057
email: solutions@greenview-environmental.ca



Introductions

➔ Welcome

➔ Tyler Peters, Project Manager
Greenview Environmental Management

➔ Mayor, Members of Council and Staff





Meeting Format

- ➔ Opening Remarks from Mayor and Council
- ➔ Brief Slide Presentation
- ➔ Question & Answer Session





Presentation Outline

➔ Project Background

➔ Preferred Solution

➔ Next Steps





Recall: Problem (Opportunity)

- ➔ Limited residual waste disposal capacity remaining at approved landfilling site
- ➔ Township requires a long-term (20-year) solution for managing solid waste generated in the Township that is *economically-feasible and environmentally-responsible*

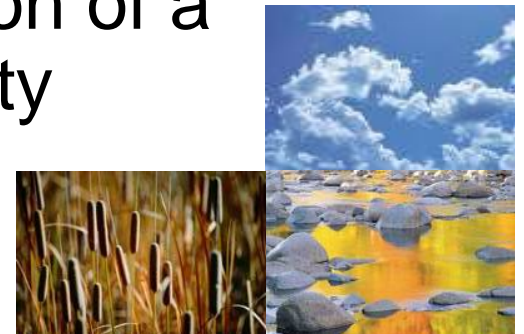




Recall: Technical Studies (2010-2011)

➔ Alternatives / Options:

- Diversion – 3R's, maximize diversion to the most feasible extent
- Landfill – capacity expansion at Killaloe site, and/or capacity utilization at Round Lake site
- Export – transport waste to OVWRC (Pembroke) and/or Lafleche Environmental (Moose Creek)
- Incineration – consideration of a private and/or public facility





Study Results (2010 - 2011)

➔ Screening of Alternatives / Options:

- Diversion – 3R's, maximize diversion to the most feasible extent
- Landfill – capacity expansion at Killaloe site, and/or capacity utilization at Round Lake site
- Export – transport waste to OVWRC (Pembroke) and/or Lafleche Environmental (Moose Creek)





Study Results (2011)

➔ Diversion:

- 2010 diversion rate ~40%, increasing trend
- Waste recycling strategy (Dec 2010)
- Diversion incentive review (increased bag tag cost, clear bags, bag limits, etc.)
- Multi-municipal approach for recycling services
- CIF support for blue box program enhancements (new bb's, public space recycling, P&E program)





Study Results (2011)

➔ Landfill:

- Small capacity expansion at Killaloe site was feasible
- Utilization of available capacity at Round Lake site was feasible
- On-going environmental considerations
- Utilize remaining capacity for construction and demolition waste
- Cost evaluation comparable with export alternative

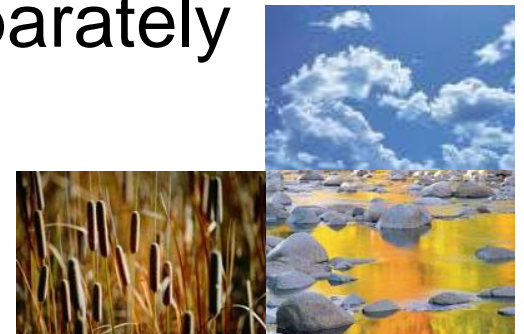




Study Results (2011)

➔ Waste Export:

- Detailed review of operational scenarios from GWP (2010)
- Export to OVWRC or Lafleche Env.
- Service provision needs assessment and cost review (site amendments/upgrades/new infrastructure)
- Focused on bagged waste only
- Construction, demolition and bulky waste to be managed separately

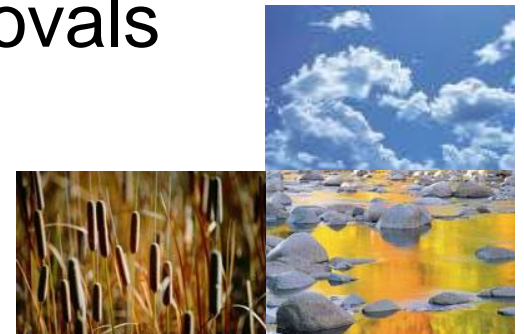




Study Results (2011)

➔ Waste Export (cont'd):

- Considers new/additional costs only, no recycling cost considerations
- Infrastructure upgrades over five (5) year period
- Killaloe site as centralized WTS - Round Lake and Red Rock sites status quo or no public service
- Contracted waste haulage
- MOE permitting and approvals





Study Results (2011)

Waste Management Alternative and Option	Estimated Additional Cost Per \$100k Assessment (2010)	Estimated Additional Cost Per \$100k Assessment (2011)
Landfill		
Killaloe Site Lateral / Vertical Expansion	\$ 50	\$ 17
Killaloe Site Reclamation	\$ 80	N/C
Round Lake Site Utilization	\$ 70	\$ 27
Waste Export		
Ottawa Valley Waste Recovery Centre (Township Haulage)	\$ 350	N/C
Ottawa Valley Waste Recovery Centre (Contracted Haulage)	\$ 330	\$ 177
Lafleche Environmental (Township Haulage)	\$ 250	N/C
Lafleche Environmental (Contracted Haulage)	N/C	\$ 32
Waste Export (Killaloe Site Operational Only)		
Ottawa Valley Waste Recovery Centre (Contracted Haulage)	N/C	\$ 166
Lafleche Environmental (Contracted Haulage)	N/C	\$ 21





MSWMSP Preferred Solution

➔ Diversion:

- Maximizing opportunities to plan, develop and integrate diversion programs (best practices)
- Review potential benefit of further diversion incentives
- Working towards long-range service security, including with other municipalities.
- Focus on blue box capture rate improvements
- Continue to provide an organic waste alternative program





MSWMSP Preferred Solution

➔ Residual Waste:

- Export bagged waste outside of Township to an approved facility (i.e. Lafleche Environmental)
- Improve user facilities at Killaloe and Round Lake sites; reduced public service at Red Rock
- Utilize remaining landfill capacity within the Township for construction, demolition and bulky waste





MSWMSP Next Steps

- ➔ Review feedback from today's meeting
- ➔ MOE Consultation & Review
- ➔ Development implementation plan
- ➔ Engineering and design
- ➔ Permitting and approvals (MOE)
- ➔ Implementation (Spring/Summer 2012)





Questions?

