

Curbside Collection of Leaf & Yard Waste

Public Works- Waste
Management Department

Core Service Review



Regulation Requirements

- Ontario Regulation 101/94- Recycling & Composting of Municipal Waste
 - Requires municipalities with a population of at least 50,000 to establish, operate and maintain a leaf & yard waste system
 - Does not specify collection or management methods required

What are we doing now?

- **Landfill Drop-Off**

- At five (5) open landfill sites at no cost
- Accepted during regular hours of operation

- **Curbside Collection**

- Special Events on designated days, 2 events in the fall & 1 event in the spring
- City-wide curbside collection (36,844 households)

What do we do with it?

- Turned into compost
- Utilized on site as alternative daily cover, interim and vegetative cover
- Currently saves \$20,000.00 in cover material costs

What is it costing us?

- Curbside Collection Costs
 - Cost of est. \$19,000 per event (3 events per year)
 - Total est. annual cost of \$57,000
 - Part of contract with Miller Waste Systems (current to September 2018)
 - Revenue est. \$74,000 Provincial funding
 - Net est. \$17,000

Assumptions made in Analysis

- Diversion of leaf and yard waste from landfill will decrease by approximately 25% per year without curbside collection
- Therefore an additional 25% leaf and yard waste may be landfilled

Options

1. Continue current curbside collection of 3 events per year (*described in previous slides*)
2. Reduce number of curbside collection events to 2 per year
3. Discontinue curbside collection

Option 2 – Reduce Number of Curbside Collection Events

- Return service to two (2) curbside collection events
 - Both in fall (October/ November) or
 - One (1) in fall; one (1) in spring

Option 2 - Benefits

- Reduction of one (1) curbside collection event costs savings of est. \$19,000

Option 2 - Risks

- Approximate 17% reduction of leaf and yard waste diverted from the landfill instead of 25%
- Reduction of external funding due to reduced diverted material to \$49,000
- Additional purchase of landfill cover material will be required (est. \$7,000)

Option 2 - Costs

- Two (2) curbside collection event costs of est. \$38,000 (*vs. current system est. \$57,000*)
- Net revenue of 2 curbside leaf and yard collection events is \$4,000 per year (*current system net revenue is est. \$17,000*)
- Reduction in external funding from est. \$74,000 to est. \$49,000

Option 3 – Discontinue Curbside Collection Events

- Starting in 2018 no longer offer three (3) curbside leaf and yard collection events
- Provide landfill drop-off services only

Option 3 – Benefits

- Reduction in curbside collection costs
- Therefore operational savings of est. \$57,000

Option 3 - Risks

- Reduction of leaf and yard waste diverted from the landfill causing loss of landfill capacity
- Elimination of external funding due to reduced diverted material
- Additional purchase of landfill cover material will be required (est. \$20,000.00)

Option 3 - Costs

- Would remove annual operations cost of est. \$57,000
- Would add est. \$20,000 in costs for purchase of cover material
- Would not be eligible for \$74,000.00 in WDO funding
- Additional cost to the City would be \$20,000.00 per year for cover material

Cost Comparison

	Current	Option 2 Reduce to 2 collections	Option 3 Discontinue
Revenue	\$74,000.00	\$49,000.00	\$0.00
Expenses	\$57,000.00	\$38,000.00	\$20,000.00
		\$7,000.00	
Total Expenses		\$45,000.00	
Net	\$17,000.00	\$4,000.00	(\$20,000.00)

Conclusion

- There are a number of options for this service that can be considered
 - Continue current level of service
 - Reduce to two (2) Collection Events
 - Discontinue Collection Events
- Any change in level of service to realize cost savings will have alternative operational costs and reduce external funding received
- The current curbside collection model is most economic to the City