

Waste & Recycling Collection

- Collection Service Level
 - Serviced Roads
 - Private Roads
- Reasons for Implementation of Collection



Landfill Model Base Case

➤ Total Landfill Net Cost	\$548k/y	
➤ Waste Net Cost	\$310k/y	
➤ Waste/Tonne		\$379/t
➤ Blue Box Net Costs	\$130k/y	
➤ BB/Tonne		\$494/t
➤ Non Blue Box Diversion Net	\$108k/y	
➤ NBB Diversion/Tonne		\$193/t

Implementation Target

- On March 7th, 2017 staff presented the Landfill Master Plan - Transportation and Curbside Pickup to Committee of the Whole
- Council directed staff to determine how soon roadside collection could be implemented.
- Possible implementation could take place as early as the start of 2018.
 - Trucks
 - Recycle Contract
 - Ramps etc.

Service Delivery

- Bag Tags
 - Tags or Bags
 - Price ?
- Waste / Recycling Ratio
 - One for One or Two or ...
- Private Roads
 - Collection On or At the End?

Roads - Serviced and Private

- The time in hours to cover the serviced roads is 53 hours with 2 trucks that is 3.32 days per truck
 - Implicit is permanent residents on private roads be serviced on one of Tuesday through Friday and on Monday in the summer May 24 to Sept.
- If the length of the private roads are driven for Collection the time required is estimated at 92 hours.
 - Unmanageable - 20 h day
- Time required for private road collection at the end that joins the serviced roads is about 75 hours
 - Manageable - 10 hour day

Collection Feasibility

- It is feasible for Tay Valley, with two small waste and recycling collection trucks, to service the entire community, provided private roads are collected at or near the end that joins the serviced road.
- Driving the private roads for collections is not feasible at this time.

Environmental Considerations

- Two vehicles rather than hundreds, perhaps thousands, driving to the waste sites each week. Collection increases the service delivery and decrease the carbon footprint
- Collection, along with clear bags, affords more control as to what is entering the landfill

Provincial Legislation

- Provincial Legislation - in particular Bill 151 - Circular Economy Act
- The recycling operation in place when the Act is fully enacted is what producers will need to pay for at the 100% level - for recycling.
- If Collection is in effect the producers would have to maintain that collection service. If, on the other hand, Collection in the Township is not in effect it would be very difficult to move to a higher level of service.
- It is to Tay Valley's advantage to have the Collection process in effect prior to the full implementation of the already passed Act.

Pay as You Throw – Incentive to Reduce

- With the consideration of a pay-as-you-throw practice the more waste a tax payer generates the more they contribute for collection -
- Provides an incentive to reduce.
- Level of fairness to cottagers who only throw a few bags a year but are subsidizing the heavy users.

Reduction in Net Operating Cost – Keeping Taxes Down

- Using the same per bag cost as Rideau Lakes at \$2.50 per bag the cost for Collection would move from the aforementioned cost of \$90,000/y to a revenue position of \$120,000.
- This is an actual overall reduction in net operating cost that can be used to keep taxes down in the future.
- It also allows residents to control their cost of waste disposal by providing an incentive to reduce.

Public Communication – Collection Information Card

- One disadvantages of going to Collection is that it is a large change and not everyone might embrace that change despite its advantages.
- To assist a Collection Information Card has been produced to distribute to the residents.
- The information card covers the advantages and conclusions listed herein, and answers the frequently asked questions that have been received in the last few weeks.

Start Date Target

- Given that the above mentioned information card distributed to residents and Collection routes can be established early in the summer leading to public meetings late in August of 2017.
- At that time, considering the present start date target of January 2018, we need to be fully invested in capital items like trucks, ramps, bins and or compactor modifications and the layout of the landfill.
- There is little or no room for change at that time in response to public suggestion.

Landfill Modification

- Further to that, the landfill has to be modified to best accept the unloading of trucks on the landfill footprint.
- Potentially on off-site property - MOECC comments
- Timing is tight to plan and accomplish this successfully.

- Moving implementation to the fall of 2018 would allow thorough planning, consideration of taxpayer input and smooth transition from Depot to Collection.

Start Date Target Recommendation

- The Waste Management Working Group recommends to Council that the start date for Waste and Recycling Collection be targeted for October 2018.

Conclusions

- The KEY to financial viability for Collection of waste and recycling is the reallocation of personnel.
 - Suspension of operations at 2 sites.
 - Redeployment of personnel at one site and on trucks.

- Continued use of Compactor Assets – Compacted waste to face of the site 1 to 2 weeks of storage.

- The remaining activities at the open site at Glen Tay would be:
 - Ontario Tire Stewardship program,
 - Ontario Electronic Stewardship Program (Waste Electrical Electronic Equipment)
 - Metal drop off
 - Large Items Mattresses and Construction and Demolition waste.
 - Reuse Centre and
 - Bottle collection from the Kiwanis Club.

Conclusions

- Permanent residents on private roads will be serviced with collection on Tuesday through Friday and on Monday from May 24th to Labour Day. During the rest of the year residents on private roads will be serviced on Monday.
- Suspending activity at the two depots adds a further advantage in that all the compactors can be moved to Glen Tay.
- Collection would increase the service delivery and decrease the carbon footprint associated with the landfill by replacing the numerous vehicles with only 2 trucks.
- Reduction in Overall Net Operating Cost – Keeping Future Taxes Down.

Conclusions

- Prepares the Township for Future Provincial Legislation.
- The Waste Management Working Group endorses the draft report to Council on Waste and Recycling Service Levels & Reasons for Implementation and recommends to Council the approval of the recommendation.
- The Waste Management Working Group recommends to Council that the start date for Waste and Recycling Collection be targeted for October 2018 as originally recommended by report PW#2017-07.

Recommendations

1. Council reconsider the target start date in favour of Fall 2018 as per Report PW 2017-11
2. Future collection from private roads be at or near the end where they join with public roads as per report PW 2017 -11.
3. There is a Monday collection of private roads as above following the Victoria Day weekend to the end of labour day weekend as per report PW 2017 -11.
4. Council approves the circulation of the Collection Information Card as attached in report PW 2017-11