

Type of Decision									
Meeting Date	Friday, April 1, 2011				Report Date	Tuesday, March 15, 2011			
Decision Required	X	Yes		No	Priority	X	High		Low
Direction	x	Information Only			Type of Meeting	X	Open		Closed
REPORT TITLE									
Waste Management By-law Options Report 01/04/10/1101									

Subject: Review and adoption of strategies to increase the volume of blue box material being collected as one component of our waste management strategy.

Additionally create a consolidated waste management document which describes our existing plan in detail making it easier for everyone to understand. The bottom line is to divert as much material as possible from our disposal sites to extend the operating lives of existing sites in a cost effective manner to reduce overall costs to ratepayers.

RECOMMENDATION: That this resolution be adopted consolidating current waste disposal requirements into one comprehensive document while implementing tools which will improve our plan increasing the volume of material being diverted from landfill overall decreasing costs. Please see the reports from jp2g for additional information.

WHEREAS the Council of United Townships of Head, Clara & Maria has implemented a recycling program in 2007 which has realized some participation which might be improved upon by implementing various participation strategies;

AND WHEREAS increased diversion will decrease the volume of material going to landfill extending the life of municipal disposal sites and decreasing costs;

AND WHEREAS user pay and other encouragement strategies have proven results in increasing diversion rates in other areas of the province;

THEREFORE BE IT RESOLVED THAT the Council of the United Townships of Head, Clara & Maria does hereby agree to implement the following waste management strategies to increase the amount of material being diverted from landfill...

THIS IS A PRELIMINARY DISCUSSION. Council requires a discussion and decision in many of the following areas in order to properly address the issues and create an overall plan and by-law implementing that plan.

Some of these amendments have been discussed and requested by various members of Council over the past years. They follow the guidelines as presented by the Ministry of the Environment targeting 60% diversion rate. As stated at the last meeting, our program with its limited participants and great distances will never meet 60% diversion.

What it can and should do is encourage recycling for all users be they residential, seasonal, commercial or industrial. Currently Council policy has taken some steps forward but has not followed up. What needs to occur is a focused approach to overall improving our waste management process including: recycling, garbage disposal, site maintenance and management,

contracts and possible participation in various other programs (organics, WEE, tires etc.) with a goal to increased diversion at decreased costs.

BACKGROUND/EXECUTIVE SUMMARY: The report from jp2g provides a review of our current situation and an overall waste management plan including rates of current and proposed diversion which is one of the requirements for increased Blue Box program funding. Increasing Blue Box funding will reduce the amount of money coming from ratepayers' pockets to pay for waste management. **Currently \$97,842.08 a year for Environmental Expenses - \$25,000 for recycling and over \$70,000 for garbage.**

This report requires Council to select various options to implement to increase diversion and to increase the percentage of funding received by Stewardship Ontario through the Blue Box Funding Program thereby reducing the costs of our overall diversion while increasing the amount of diversion from landfill. It further requests that Council provide direction to more effectively manage our other waste management components.

As discussed at various times over the past years, there are strategies that can and should be used to increase the amount of material diverted from landfill. These strategies have been successfully utilized in other municipalities for many years. Yes, with change will come some resistance; however, other places have gone through these growing pains with positive results over the long term. Every Council has worried that all of their material will end up along dirt roads, in abandoned city lots in commercial dumpsters. The majority of people will comply with new policy directives. As with any change, you will always have those who rebel but eventually come around.

Further, this overall plan and by-law will solidify various decisions already made by Council through past decision, usually policy and/or resolution. This new document will consolidate all aspects of waste management and will provide a centralized repository of information.

Overall Waste Management Plan

Options to consider increasing Recycling:

1. Partial user pay system which might include bag tags over a certain base amount, tipping fees for all users, or any combination of the above. (Most residents who recycle have claimed that the amount of material that they now put out for disposal is limited, often less than one bag every two weeks. This would not have any effect on those already recycling but will encourage those who are not making their best efforts at recycling to improve. Without it, we will not be able to affect any change.)
 - a. Bags or bag tags;
 - i. Limit the number of bags to be collected or deposited;
 1. different number of bags for commercial/institutional users;
 - ii. Set fee for tag;
 - iii. Provide a certain number of "free" tags
 - iv. Will be a cost involved;
 - v. Enforce the current ruling of only two bags of garbage per week per household. This can be encouraged through the bag tag program. Neighbouring municipalities charge tipping fees to their residents and their municipalities' are not dump sites.
 - b. Tipping Fees
 - i. for all material to disposal sites
 - ii. for all users
 - iii. for material in excess of that collected
 - iv. no fees for recyclables – unlimited bags of recyclables collected

- c. Need to plan for FREON removal. Until now we have collected all materials regardless of their state. According to our Certificate of Approval we must insist that white goods not be collected until/unless refrigerants have been professionally removed;
 - i. provide name and contact for service to private residences;
 - ii. Arrange to have someone come up quarterly to extract from all white goods at site and have Council pay for it. Currently we are accepting these materials. It is contrary to our CofA.
 - iii. Charge a fee for materials which include Freon or other gases that require professional removal.

2. Recycling

- a. Provision of free blue boxes/containers for home storage; this can be a component of an advertising campaign, possibly paid for through CIF.
- b. Decrease the garbage collection to once every two weeks;
- c. Increase recycling collection to weekly;
- d. Limit access to disposal sites to recycler. Right now he is bringing material into the site and we are not receiving accurate records.

3. Increased promotion and education.

- a. Need to set a budget annually for this task. Can be minimal.
- b. Brochures;
- c. Fridge Magnets;
- d. Signage at landfill;
- e. Website improvements;
 - i. FAQ section;

4. Collection containers.

- a. Using transparent bags for all waste.
- b. This will enable the garbage collector to view materials in garbage and refuse those bags that contain recyclable materials.
- c. Use of spot audits to determine amount of recyclable materials in garbage bags; Attendant randomly searches bags to determine what recycling material is being deposited. Ability to fine individuals or refuse their material would be required or it wouldn't work.

5. A littering/disposal by-law needs to be implemented and enforced allowing fines to be laid for illegally dumping material and for setting tipping fees for certain materials.

- a. Fines
 - i. At \$50? \$100? \$200? plus costs for first infraction; escalate penalties;
 - ii. Higher fines for corporations/businesses;
- b. Promotion and Education
 - i. A copy of the new by-law is to be sent to each resident as newsletters are distributed so that each resident has the opportunity to completely understand the new document.
- c. Free fall and/or spring collection of large items;
- d. Free fall and/or spring collection of yard waste;

6. Collection

- a. Should the municipality collect our own recycling material?
 - i. CofA for collection and transportation? – According to Kevin our Cof A on the truck will cover transport of material to OVWRC.
 - ii. Costs of vehicle and possibly a trailer?
 - iii. Extra staffing or is this something that could be combined with current hours of road super and maintenance worker?

- b. Will OVWRC accept waste from us? Likely, I have contacted them and am awaiting additional information.
 - i. At what cost?
 - ii. Materials and condition of materials will likely need to be changed. Will not take as many materials as BAG Recycling but may be more reliable.
- c. Should we research options with OVWRC, attempt to solidify a contract with Andre or continue without a contract?
- d. Should recyclables be collected curbside or depot only?
- e. What materials are to be collected roadside? – Waste and recycling; yard and brush: organics?

7. Approved containers

- a. Do you wish to define which types of containers are acceptable for collection?
- b. Currently policy limits the number and weight of bags of garbage collected and insists that recyclables are placed in clear plastic bags. Is this satisfactory?

8. Recycling Contract

- a. Need to use CIF example to obtain increased funding even though it is obviously created for a much larger program;
- b. Need to determine end markets for our material; Noella to help translate letter to Andre to determine current end markets.
- c. Require accurate statistics on amount of material diverted to better report to WDO and obtain increased funding.

9. MHSW

- a. Amended CofA; should we have Kevin attempt to amend our CofA to store MHSW materials on site between events?
- b. I have contacted him to determine costs; will provide additional info as received.
- c. Storage until annual event on municipal property;
- d. Hold more frequent events;
- e. Have to enforce not depositing with waste – clear bags will assist in this process;

10. Disposal Sites

- a. Maintenance of sites; consider alternatives to keep costs low while meeting our CofA obligations.
- b. Bill planning to use an internal fence around open cell to keep materials from blowing but won't help with frequency of cover.
- c. Environmental reporting – currently contracted; Look to tendering that contract.
- d. Access to site – should it be limited? Extend fences to reduce possibility of trespass?

11. Tires

- a. Need to complete registration process for reimbursement program;
- b. Require accurate count of current situation – once snow is gone.

12. Scrap metal

- a. Determine end market; this is not a challenge as there is money in scrap metal.

13. WEE

- a. Other collection options;
- b. Our location, provided too costly for collection through current program;

14. Organics

- a. Do we collect them;
- b. Promote composting and composters;
- c. Yard waste;

15. Industrial, Commercial and Institutional

- a. Need to solidify rules for these sectors even though we currently have limited;
- b. Pipeline, highway construction, tree planting, mine;
- c. Costs, materials accepted? – If produced in our municipality, we need to be able to dispose of it?

16. Operational changes

- a. Record the volume of material from tourist operators and camps to determine how much they are contributing to our landfill and recycling.
 - i. Can they improve their recycling programs?
 - ii. Should fees be put in place specifically for these sectors?
- b. Purchase a stationary compactor to reduce the number of times per week/month we need to contract for cover and also to better compact material to extend the life of our sites.
 - i. Calvin Township has done this; the material sits in the machine for weeks before it needs to be dumped. The compactor was purchased after the vehicle it was located on was too old to be safe to run anymore. I'm sure there are others out there.
- c. Purchase equipment to be operated by our staff to compact material and apply light cover in between times Pat is required to attend site and do a major clean up.

Financial Implications/Budget Impact: Could be considerable. There are various options that need to be decided.

Policy Impact: The document that is finalized upon outcome of this discussion will create new policy for Waste Management combining all that is current. Does Council wish to hold a public meeting for input before making some of these decisions?

Approved and Recommended by the Clerk

Melinda Reith,
Municipal Clerk

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