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**Sent:** Friday, March 15, 2024 2:32:33 PM

**To:** Trevor Bazinet <[tbazinet@goderich.ca](mailto:tbazinet@goderich.ca)>; Leah Noel <[lnoel@goderich.ca](mailto:lnoel@goderich.ca)>; Allison Segeren <[asegeren@goderich.ca](mailto:asegeren@goderich.ca)>; Liz Petrie <[lpetrie@goderich.ca](mailto:lpetrie@goderich.ca)>; Vanessa Kelly <[vkelly@goderich.ca](mailto:vkelly@goderich.ca)>; John Thompson <[jthompson@goderich.ca](mailto:jthompson@goderich.ca)>; Randy Carroll <[rcarroll@goderich.ca](mailto:rcarroll@goderich.ca)>

**Subject:** Town of Goderich Waste Management Proposal

Hello,

Council,

In principle, I am in support of a green bin program for organic waste. However, I would like you to consider the following regarding recycling.

Most packaging that we discard in recycling bins is a Thermoplastic I.e HDPE, PP and PE. These plastics can be recycled with limits. Typically, they are referred to as 1st, 2nd and 3rd generation regrind. As you recycle through to the next generation, the mechanical and thermal properties are exponentially diminished. The material from a manufacturability and engineering design perspective is not usable because it no longer meets strength, thermal requirements etc. Ultimately, the material will end up in a landfill.

I would encourage you to speak with our local injection molder, Jokey. I'm sure they have to limit regrind blends to 10-25% in order to maintain manufacturing efficiency and product quality.

What I would challenge Council and WM with is: How do we make the shift as a Town to increase the percentage of organic waste vs other solid wastes?

If we are able to do so? Then there is a paradigm shift in the business model. Instead of being a consumer of WM's services, we become a raw material supplier to their natural gas manufacturing process, which is more lucrative and economical friendly. Over the long term cost to the Town should be reduced.

I have attached an article regarding how Toronto is doing it. I'm not saying this is an overnight solution, but it should be our goal.

Turning Waste into Renewable Natural Gas  
[toronto.ca](https://www.toronto.ca)

This is an an example of the processing cost vs market price in an article from the Harvard Business Review in 1993. Apply, the economics from today and you get the idea. It's not profitable.

Separately, I'd like to ask:

Has any margin analysis been done by the Town regarding WM's cost proposal? If it's 40-45%? Maybe there is room to negotiate \$ down?

Does, WM's proposal have clauses that require an annual review of pricing OR Is it fixed for the term of the contract?

Are there any annual surcharge due to fuel price volatility?

When the Town determined the user fee. Does the cost include a % going to a reserve fund?

You have my permission to add my email to the agenda for Monday's Council meeting.

Sincerely,

Jim Rees

Sent from my iPad