

# What Will We Consider?

We will look at different approaches to optimize the City's waste management system according to the waste hierarchy in order to reduce the amount of garbage that requires disposal.

REDUCE  
REUSE  
RECYCLE  
RECOVER  
RESIDUAL  
DISPOSAL



## Reduction

The best way to manage waste is to not generate it in the first place! We will look at new approaches to reduce waste.



## Reusing and Recycling

Improve our diversion rate through the creation of programs that focus on reusing and recycling our waste.



## Promotion and Education

Seek new ways to promote and educate the importance of waste reduction and maximizing diversion.



## Waste Management Bylaws and Policies

Consider potential enhancements to municipal bylaws and supporting bylaws through enforcement, and influencing provincial legislation and regulations.



## Partnerships

**Other Municipalities:** Municipal partnerships may reduce administration and operating costs, draw on collective resources and assets, and allow for strategic planning across a broader geographic region.

**Public – Private – Not-for-Profit:** The Waste Strategy could consider partnerships with private sector companies and not-for-profit organizations to provide services or manage projects.

There are lots of options to consider to divert and dispose our waste. We will consider financial, social and environmental implications when evaluating the options.



# What Will We Consider?

Landfills don't last forever. If we continue at our current diversion rates, the Green Lane landfill will be full by 2026. It takes years to find solutions for disposing our garbage, which is why we need to look at options now. The Waste Strategy will look at and recommend ways to enhance waste reduction and reuse and maximize diversion. The Waste Strategy will also explore options to manage the remaining garbage. Should an Environmental Assessment and/or facility siting be required for the recommended option(s), it will be undertaken after the recommended Waste Strategy is approved by City Council.



## Disposal Bans

The Waste Strategy will review the potential of banning materials from disposal. For example, Metro Vancouver is planning to ban organics from disposal in 2015.



## Charge More for Use of City Facilities

The Waste Strategy will review the potential for increased disposal fees to discourage non-City of Toronto customers from using City facilities and increase the lifespan of the City's landfill.



## Landfill

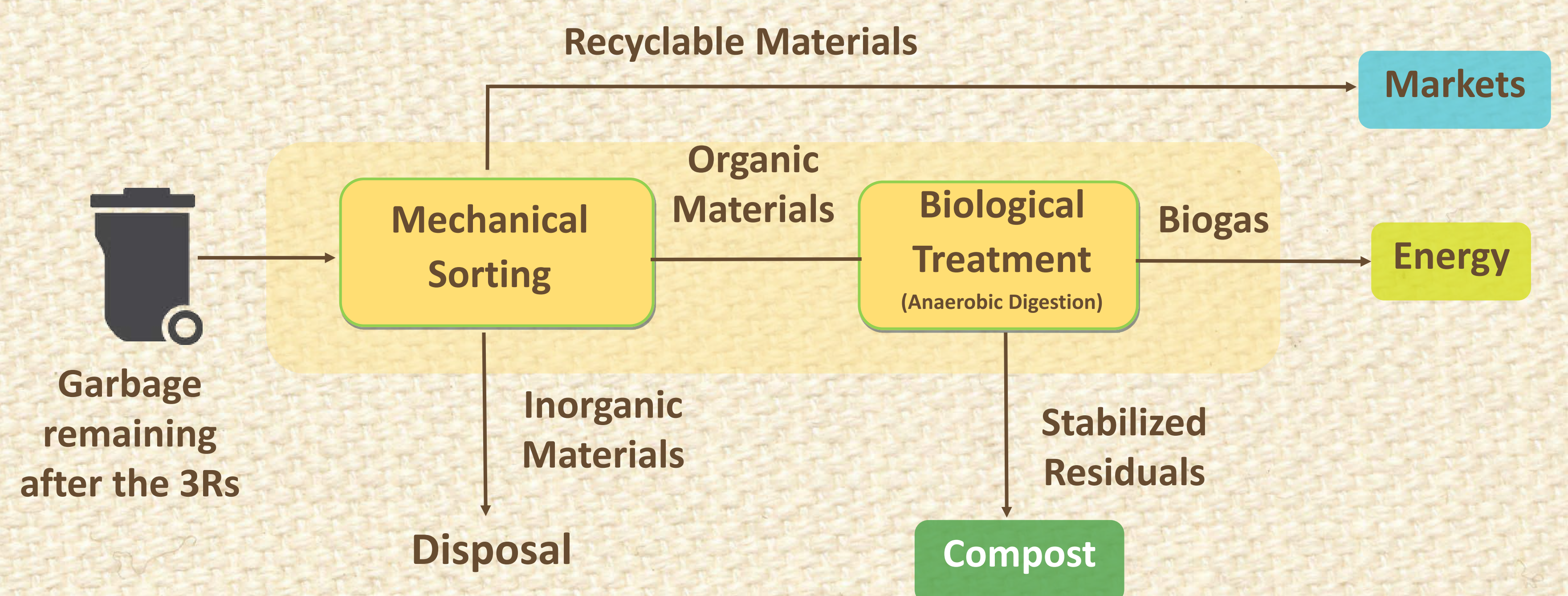
Landfilling of waste involves placing garbage in an engineered landfill, covering it and potentially converting the gases emitted from it into energy. We will look at the following options to landfill garbage: expand an existing landfill, buy a new landfill, and use a private or municipal landfill.



## Technologies

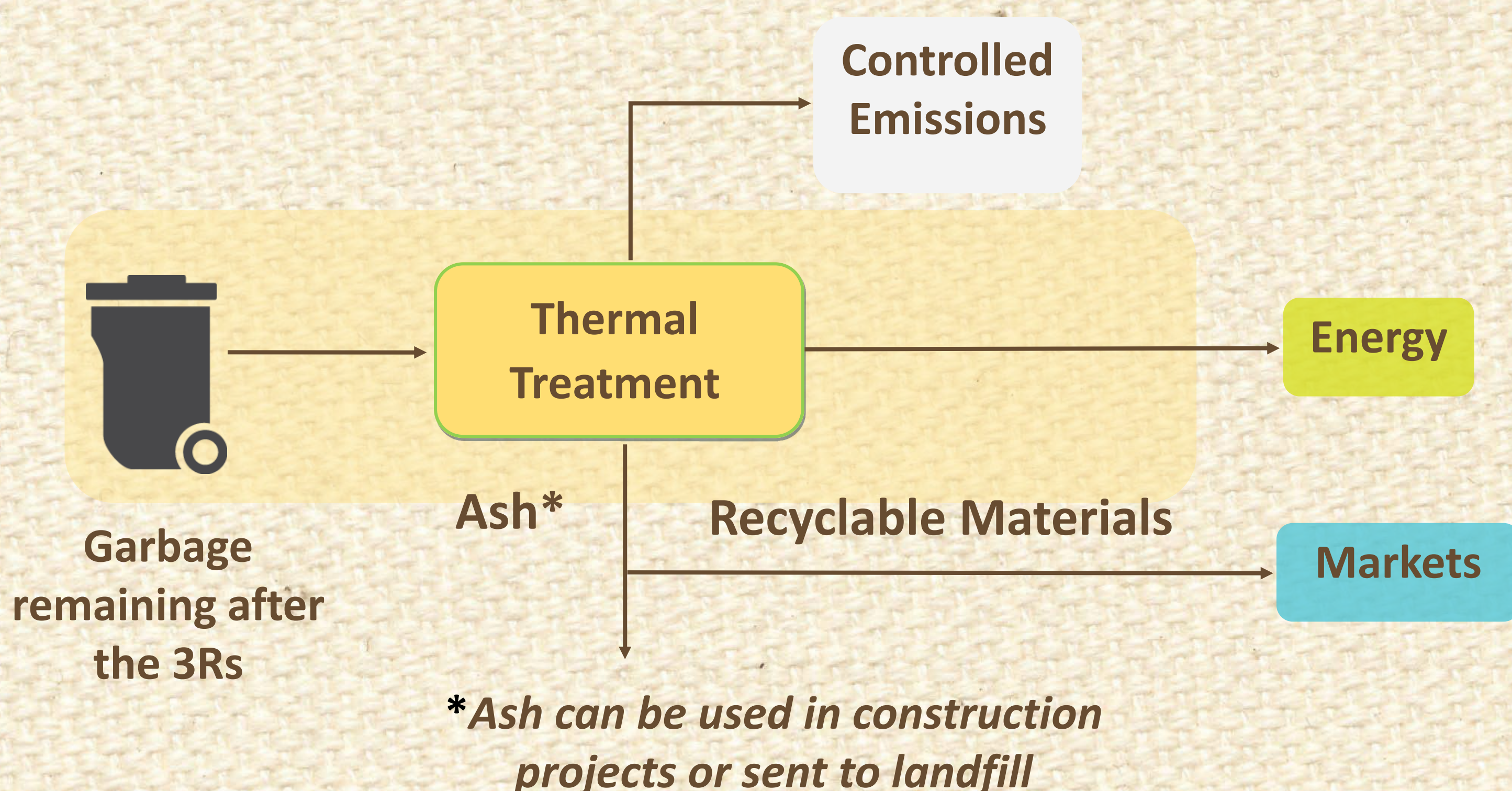
The Waste Strategy will review existing, new and emerging potential waste technologies such as mechanical biological treatment and thermal treatment.

Mechanical Biological Treatment is a process that takes recyclable and organic materials out of the garbage and sends the remaining materials to disposal. Mechanical Biological Treatment technology has been used in Germany, the United Kingdom, Spain and Italy. There has not been widespread commercial application in North America yet but it is used in Edmonton.



Thermal treatment involves recovering energy and recyclables from the waste stream and reducing the volume of waste sent to landfill. It can be referred to as Energy-from-Waste and Waste-to-Energy. The most common technology for thermal treatment of waste is combustion, and this figure illustrates how the process works. Other new and emerging technologies include gasification, pyrolysis and waste pelletization.

Facilities are common in the United States and Europe and can also be found in Vancouver, Quebec City, Brampton and Charlottetown, PEI. A facility is being built in Clarington, Ontario.







# Thinking 50 years from now, how should the City’s waste be managed?

Did we miss anything? If so, write down what you think the City should consider as part of the Waste Strategy.



Tweet your ideas!



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#TOwastestrategy