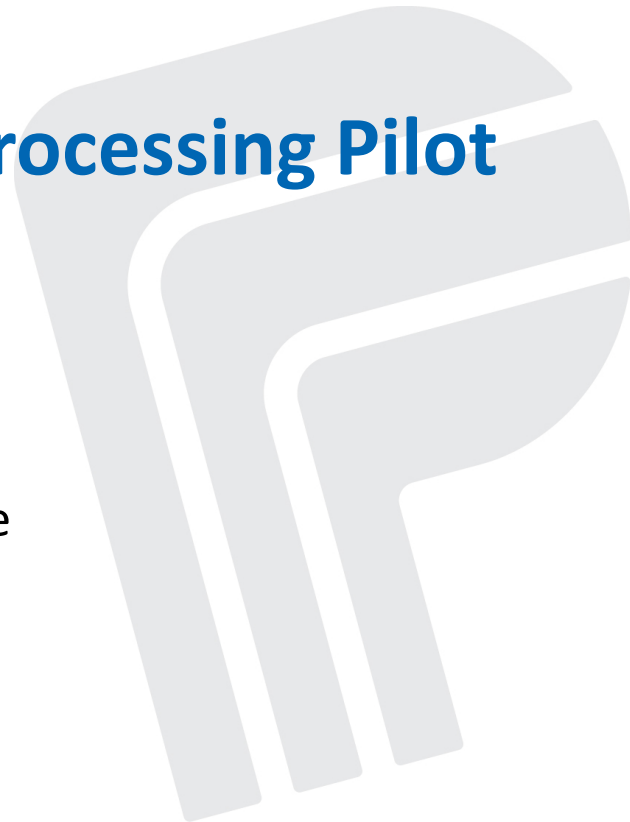


Status Update: Mixed Waste Processing Pilot

Waste Management Strategic Advisory Committee
October 1, 2020

Norman Lee, Director, Waste Management



Background

- December 14, 2017 RC Meeting
 - Waste Management Long Term Strategic Plan, “Roadmap to a Circular Economy in the Region of Peel” was approved (Resolution 2017-972).
 - The Roadmap identifies that diverting additional recyclables and organics from the garbage, particularly from multi-residential garbage, is required to meet Council’s 3Rs diversion target
 - The Roadmap identifies mixed waste processing as a way to do so but indicates there are significant risks that should be resolved before developing a permanent mixed waste processing facility.
 - A mixed waste processing pilot can help resolve or mitigate those risks
- June 18, 2020 RC Meeting
 - Regional Council directed staff to report back to Waste Management Strategic Advisory Committee with information on how a Mixed Waste Processing Pilot fits into the Region’s long-term waste management strategy, including timing, scope, costs, risks, outcomes, and options for procurement. (Resolution 2020-474)

Key Milestones

- August 2020
 - background research and project development
- September 2020 – October 2020
 - Discuss interest with other Ontario municipalities
 - Confirm siting constraints with local municipalities
 - Finalize pilot scope and outcomes
 - Prepare Request for Expression of Interest
- November 2020 – January 2021
 - In market period for Request for Expression of Interest
 - Confidential commercial meetings with interested vendors
- Q1 2021 (timing TBD)
 - Analyze vendor responses
 - Report to WMSAC

Identify Interest Amongst Other Municipalities

- Other municipalities face similar challenges with respect to diverting additional recyclables and organics from the garbage, particularly multi-residential garbage.
- Some municipalities are conducting their own MWP investigations.
- Partnering with other municipalities could increase the benefit of the pilot and reduce the Region's cost and risk.
- Partnering with other municipalities could also add complexity and require additional time.
- Staff will reach out to Ontario municipalities directly and via RPWCO.
- Staff will include findings and recommendations in the final report.

Confirm Siting and Separation Distance Requirements

- Staff reviewed planning constraints to help identify potentially suitable sites within Peel.
 - Setback requirements from residential zones and other sensitive receptors;
 - GTAA's Primary Bird Hazard Zone and Transport Canada's Airport Zoning Regulation;
 - Separation distances or prohibitions invoked by the Niagara Escarpment Commission.
- Staff will meet with local planning staff to refine screening in preparation for discussions with REOI respondents and will include findings in the final report.

Finalize Desired Pilot Project Outcomes

- Output products that divert additional recyclables, organics and possibly fuel at levels that enable the Region to meet its various diversion targets at a reasonable cost;
- Output products that consistently satisfy applicable regulatory and market requirements;
- Facility performance that is reliable, can accommodate changes in waste composition, is consistently in compliance with regulatory requirements and is not causing off-site impacts (air, noise, odour etc.); and,
- Sharing of facility operational data and analytical work to support future decision making with respect to Mixed Waste Processing.
- Staff will seek industry feedback on the desired pilot outcomes through the REOI process and will include findings and recommendations in the final report.

Define Scope and Key Terms of Pilot Project

The Contractor's responsibilities:

- Provide a facility (including site);
- Process garbage, market outputs, and disposal of residue;
- Meet performance milestones and outcomes; and
- Monitor and report to the Region, the MECP, and other potential municipal partners.

The Region's responsibilities:

- Supply 25,000 to 100,000 tonnes per year of residential garbage
 - Focused on multi-residential garbage, supplemented by curbside garbage
 - Other municipalities may also supply waste (directly or through Peel)
- Pay an all-in tip fee.

Staff will seek industry feedback on the scope and key terms through the REOI process and will include findings and recommendations in the final report.

Issue Request for Expressions of Interest (REOI)

- An open invitation to all vendors to assess interest in the project.
- Will present the proposed preliminary outcomes and key terms of the pilot project.
- Will invite proponents to comment on outcomes, key terms, etc. and to propose alternatives they would want to see to make the project commercially viable.
- Permits Staff to hold commercially confidential meetings with respondents.
 - Purpose of discussion is for proponents to provide additional information.
- Staff will report to WMSAC with its findings and recommendations.

Next Steps

- Staff will:
 - Continue to explore interest amongst other municipalities;
 - Review siting possibilities and restrictions with local municipalities;
 - Finalize and issue REOI;
 - Hold commercially confidential meetings; and
 - Report to WMSAC with its findings and recommendations pertaining to project timing, scope, costs, risks, outcomes, and options for procurement of a mixed waste processing pilot.
- Staff will continue to provide interim updates to WMSAC.

Thank you

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