



Accelerating Renewable Natural Gas (RNG) in the Greater Toronto and Hamilton Area

Project Update for CEPIN

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Accelerating RNG in the GTHA - Project Overview

Objective

- Improve the capacity of RNG project proponents to identify and mitigate project implementation risks

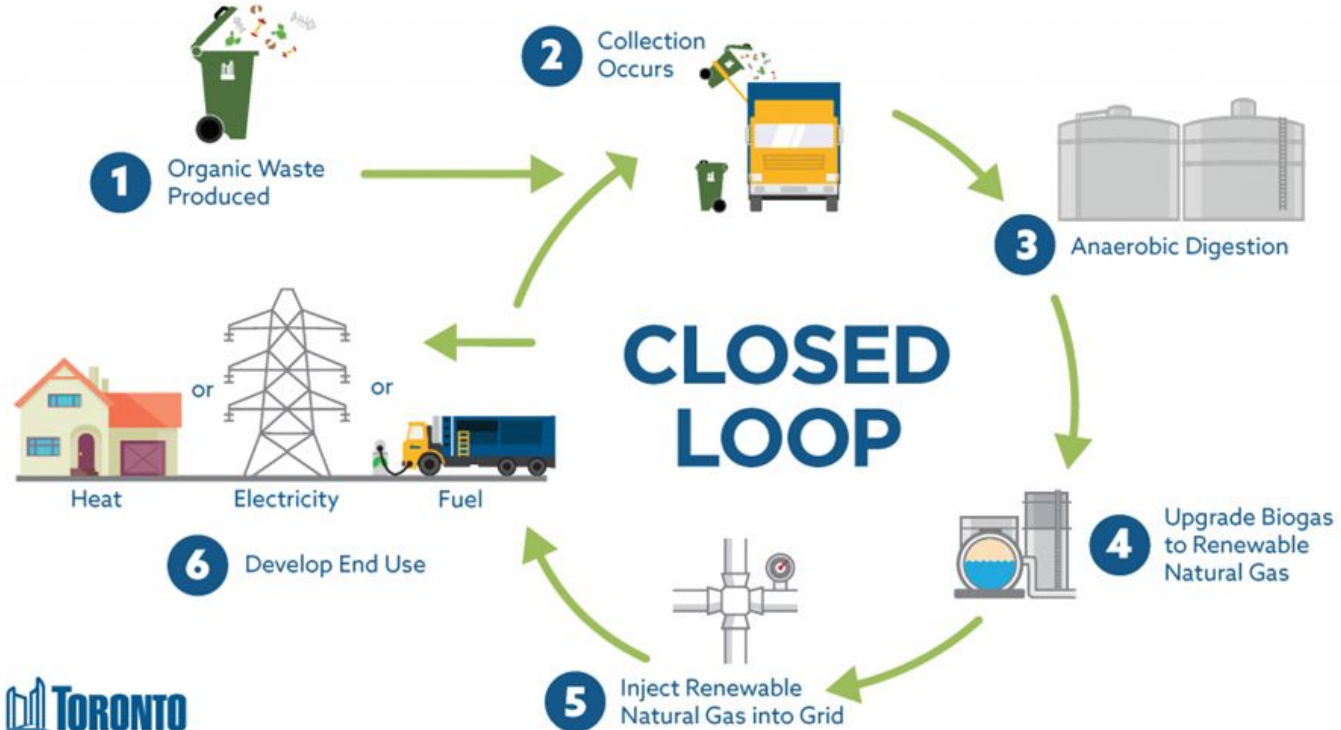
Outcomes

- Provide proponents with multi-sectoral knowledge-sharing opportunities (interviews and workshops)
- Create an applied resource: The RNG Handbook (Q1 2020)

A City's Perspective on RNG

- Solid Waste Management Services has access to a renewable source of energy
- Biogas and landfill gas to renewable natural gas can produce significant environmental, social and economic benefits
- The Disco Road Organics Processing Facility can produce approximately 4 million cubic meters of renewable natural gas annually
- Renewable natural gas projects can lead to alternative sources of revenue for the Solid Waste Management Services Division
- Renewable natural gas projects can potentially benefit the City as a whole

Closed Loop: Waste management -> GHG reductions



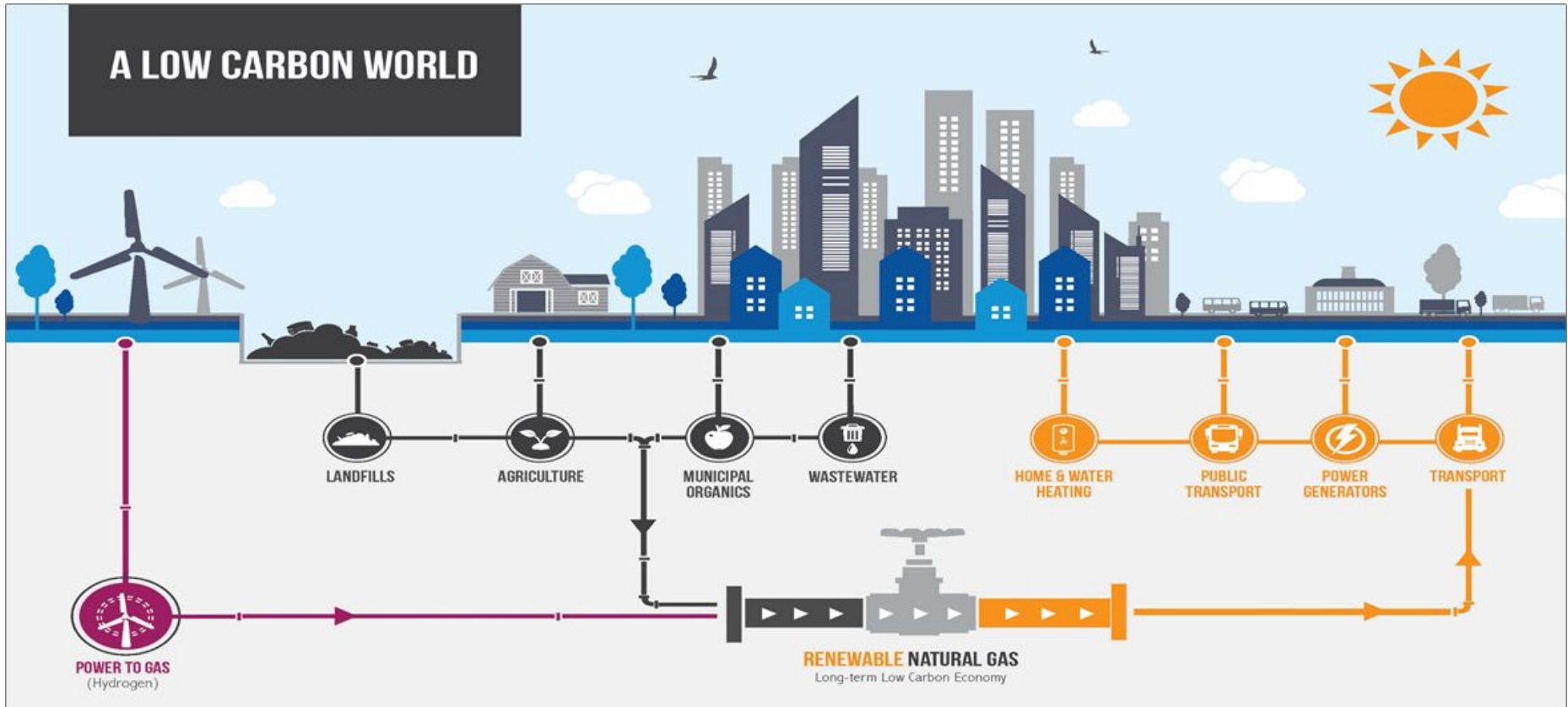
A Gas Utility's Perspective

Enbridge is working with producers of biogas from organic waste, including the **City of Toronto**, for a variety of uses – from fueling vehicles and heating buildings to helping upgrade biogas and injecting RNG into the distribution system



Substituting only 6% of traditional natural gas with RNG represents approximately 5 TWh/yr – equivalent to 40% of the annual generation yield of the Pickering Nuclear Generating Station

Pipelines in a Lower Emissions Future



The RNG Handbook - Core Contents

- RNG basics
- Evolving policy landscape for RNG
- RNG project case studies and lessons learned
- Risk Assessment Checklist
- Risk Mitigation Strategies
- Tools and Resources to help municipalities develop a value proposition for RNG projects

Key Questions for Discussion

- Is there any content that is missing or you would like to see more of in the handbook?
- Are there any sections that you feel are unnecessary or should be kept to a minimum?
- Does the handbook provide the right balance between providing background/context and useful information regarding RNG project development?
- How does the risk assessment and mitigation table line up with your understanding and experience of real projects?
- What resources or outside projects should we pay attention to?

QUEST



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