

RNG RENEWABLE NATURAL GAS

Role of Enbridge and Renewable Natural Gas in a Low Carbon Economy



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What we do

We help to fuel to the quality of millions of people everyday by connecting them with the energy they need



Liquids Pipelines

- **17,000** miles of crude & liquids pipelines
- Transporting **2.9 million** barrels/day



Natural Gas Pipelines

- **26,600** miles of natural gas pipelines
- Moving **22%** of natural gas consumed in the U.S.



Renewable Power

- **23** renewable power generating facilities
- **2,050** net megawatts of generating capacity



Gas Distribution

- **3.7 million** retail customers
- Serving **500+** communities across Ontario

Rationale – Enbridge Interest in RNG



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- RNG presents a unique opportunity for Enbridge to develop a low carbon energy that fits with policy of reducing GHG emissions
 - Developing the RNG market projects the long-term sustainability of Enbridge's existing infrastructure and allows the natural gas industry to be an active participant in a low carbon economy
 - Ability to build an attractive renewable energy investment opportunity across our footprint and geographic areas

How can Enbridge support RNG projects?



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- **RNG Injection Service** (Rate 401) - Includes Compression, Odorant, telemetry, meter etc. Enbridge would build and operate pipes to the nearest and most advantageous injection point to attach RNG producers.
 - Monthly Service Fee (fixed fee per month)
 - Monthly Operating Costs (fixed fee per month)
 - **Biogas Cleaning Service** - Enbridge would build, own and operate biogas cleaning on customers premises.
 - Monthly Service Fee (fixed fee per month)
 - Monthly Operating Costs (fixed fee per month)

Recent Successes – Municipal Projects



- Toronto Dufferin Facility
 - BMS and Injection provided by Enbridge
 - Toronto owns RNG molecule

- Toronto Disco Facility
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 - Toronto owns RNG molecule

Canadian Market Potential in 2020+



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- Utilities are purchasing RNG for compliance to provincial mandates and voluntary programs
 - BC (Fortis) and QC (Energir) have renewable content requirements in place that are **driving demand and price**
 - Potential for Federal Clean Fuels Standard to generate incremental demand
 - Emerging market for RNG is in natural gas vehicles
 - Utilities are trending toward reviewing RNG as an offering and voluntary ratepayer programs are in development
 - Purchasers of RNG are becoming mindful of **carbon intensity** of producers

Questions?

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