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**Biogas Community**

# Preview RNG Report

**Market Intelligence**

February 2025

# Canada

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# Notice to Readers

## Energy Conversion

The report uses a number of energy units to present the information due to the fact that different sources of information may use various units of energy. When reading the report, you will find helpful the following table containing approximate energy conversions for RNG as reference.

**Table 1. Energy Conversion**

Unit of Energy	Conversion
1 PJ	1 000 000 GJ
	0,9478 TBTU
	947 817 MMBTU
	277 780 TWh
	26 518 000 m3 RNG (biomethane)
	0,9478 Bcf

### Abbreviations

- PJ** Petajoule
- GJ** Gigajoule
- TBTU** Trillion British Thermal Units
- MMBTU** Metric Million British Thermal Unit
- TWh** Terra Watt hours
- Bcf** Billion cubic feet



Canada

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Market Overview



## Current Market Overview

There are currently [REDACTED] operating facilities upgrading biogas to RNG. Quebec is leading the way with [REDACTED] plants, followed by Ontario with [REDACTED] plants, and British Columbia with [REDACTED] plants. Alberta has [REDACTED] facilities, and New Brunswick has [REDACTED]

The list of Canadian RNG facilities can be found in the [Business Intelligence](#) section of the Biogas Community.

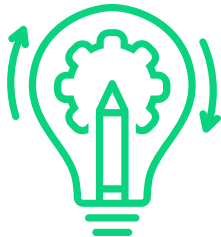


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## Current Market Overview

### Projects in Development

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There are around [redacted] plants in development or under construction and a few dozen more at an earlier stage of concept development.

### Market Size & Potential

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National RNG capacity in 2024 was approximately [redacted] PJ. Based on projects in development, The Canadian Biogas Association predicts that

### Policy Development

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The Canadian Budget 2024 announced new biofuel industry funding, specifically biogas and RNG. The funding will be through the

## Upgrading Snapshot

Providers of upgrading technologies in existing RNG plants in Canada are as follows:

- Greenlane (water scrubbing, PSA, & membrane) – 6 plants

**Figure 1. Biogas Upgrading in Canada, Installed Units**

# Provincial Overview

The following provinces were selected for overview due to their increased market development within Canada: British Columbia, ██████ and ██████

## British Columbia

The potential supply of RNG within BC is expected to increase to ██████ PJ in 2030 and ██████ PJ by 2050. Under the current legislated scenario, British Columbia is predicted to consume just over ██████ PJ of RNG in 2025, increasing to around ██████ PJ in 2030.

Figure 2 below shows the BC LCFS credit market, both in terms of the annual volume of credits on the left and the average price per credit over the course of the year on the right.

**Figure 2. BC LCFS Annual Credit Volume and Prices**

A photograph of several tall, stainless steel industrial distillation columns in a refinery or chemical plant. The columns are connected by a network of pipes and ladders. The scene is set against a sunset sky with soft orange and blue tones. The text 'Canada' is overlaid in white, centered horizontally.

Canada

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Market Drivers

A decorative graphic in the bottom right corner consisting of several overlapping, wavy green lines that resemble stylized waves or a modern logo element.

## 2024 Federal Policy Shifts: A Boost for Canadian Biogas & RNG

2024 was an important year for the Canadian biogas industry, not for new development but for laying new groundwork and receiving recognition. While only a handful of new facilities were commissioned in 2024, these new announcements support the growth of the Canadian industry into 2025 and beyond.

Energy production and use remain provincial jurisdiction; however, the federal government supports the provinces in diversifying their options and developing their renewable energy resources.

## Alberta - Market Drivers

- Emissions Reductions Alberta (ERA) governs that
- Since 2019, Calgary has banned food waste in single



# Gas Utilities in Canada

# Canada: Gas Utilities and RNG Quality Specifications

Overall, major developments in the Canadian RNG sector are happening in XXXX XXXX XXXX. XXXX developments are beginning in XXXX XXXX XXXX. XXXX table below presents information on gas utilities active in the sector and their RNG programs.

## Enbridge



Province: Ontario

- RNG is highlighted as a key strategy for reducing Enbridge’s GHG emissions.
- Enbridge has XXXX facilities within its portfolio, with over XXXX more projects at various stages of development.

## Questions? Contact us!

[www.biogasworld.com](http://www.biogasworld.com)

[info@biogasworld.com](mailto:info@biogasworld.com)

+1 (418) 780-4001

2828 Blv. Laurier, Suite 700

Quebec (QC) G1V 0B9

Canada

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