waga energy

wagaBOX®

Developing an RNG Project

USA | October 2025

Agenda

- Introduction to RNG
- State of the RNG Market and Industry
- Best Practices for Developing RNG Projects
- Case Study: Steuben County Landfill (NY)

Who are we?

Headquartered in France with subsidiaries in the **USA**, Canada, Spain, UK, and Italy

Publicly listed on the Euronext Stock Exchange with a strong financial backing

Inventors of the **WAGABOX®**, a breakthrough technology in landfill gas upgrading

32 WAGABOX® facilities in operation, **18** more under construction

260+ landfill gas to energy experts worldwide

Driven by an absolute **dedication** to the **safety** of our employees and partners

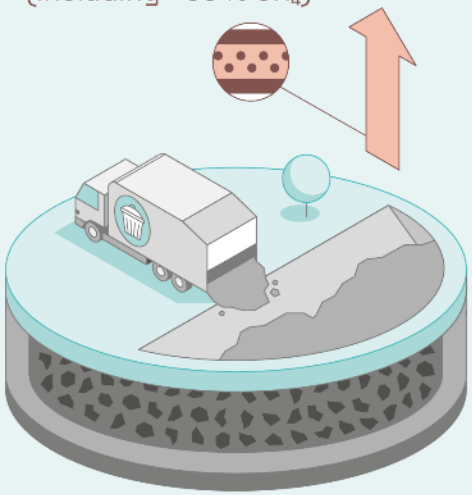
We are engineers, entrepreneurs, and environmentalists committed to mitigating climate change for future generations.

RNG from Landfill Gas

Landfills: Where RNG potential is still largely unexploited

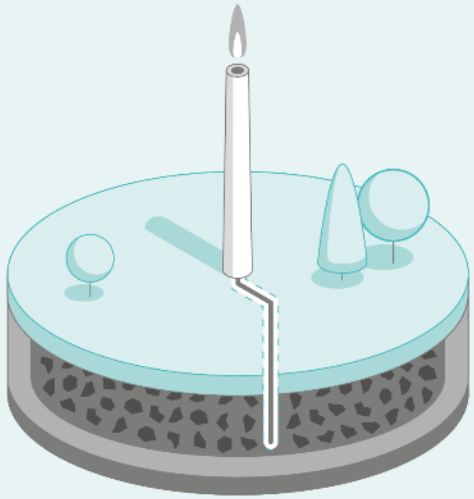
OPEN STORAGE

Biogas
(including +50 % CH_4)



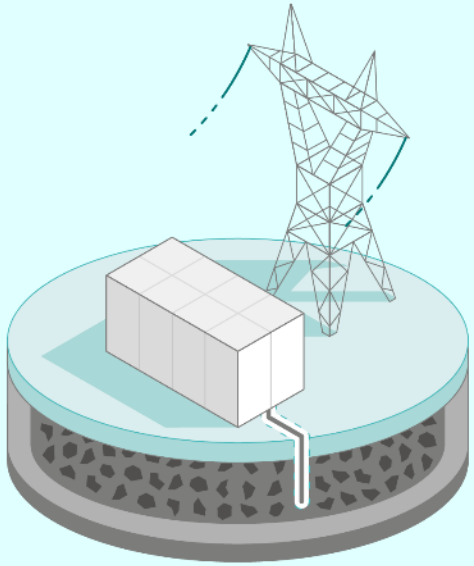
THREAT
TO THE ENVIRONMENT
Energy efficiency: 0 %

STORAGE IN LANDFILL SITES,
BIOGAS CAPTURED AND FLARED



NO ENVIRONMENTAL
PERFORMANCE
Energy efficiency: 0 %

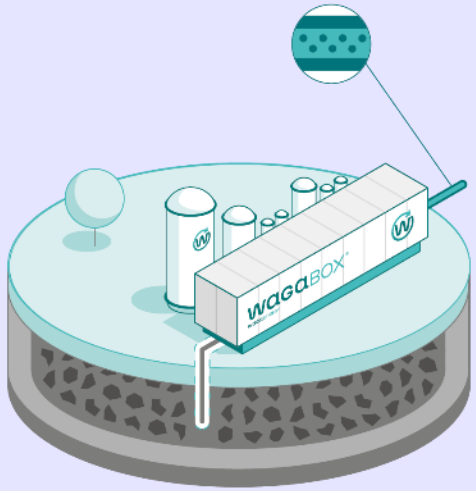
STORAGE IN LANDFILL SITES,
BIOGAS CAPTURED AND CONVERTED
TO ELECTRICITY



LIMITED ENVIRONMENTAL
PERFORMANCE
Energy efficiency: 30 %

STORAGE IN LANDFILL SITES,
BIOGAS CAPTURED AND PURIFIED INTO
BIOMETHANE WITH WAGABOX® TECHNOLOGY

Biomethane



OPTIMAL ENVIRONMENTAL
PERFORMANCE
Energy efficiency: 90 %

0% THREAT TO THE ENVIRONMENT, **0% ENERGY EFFICIENCY**

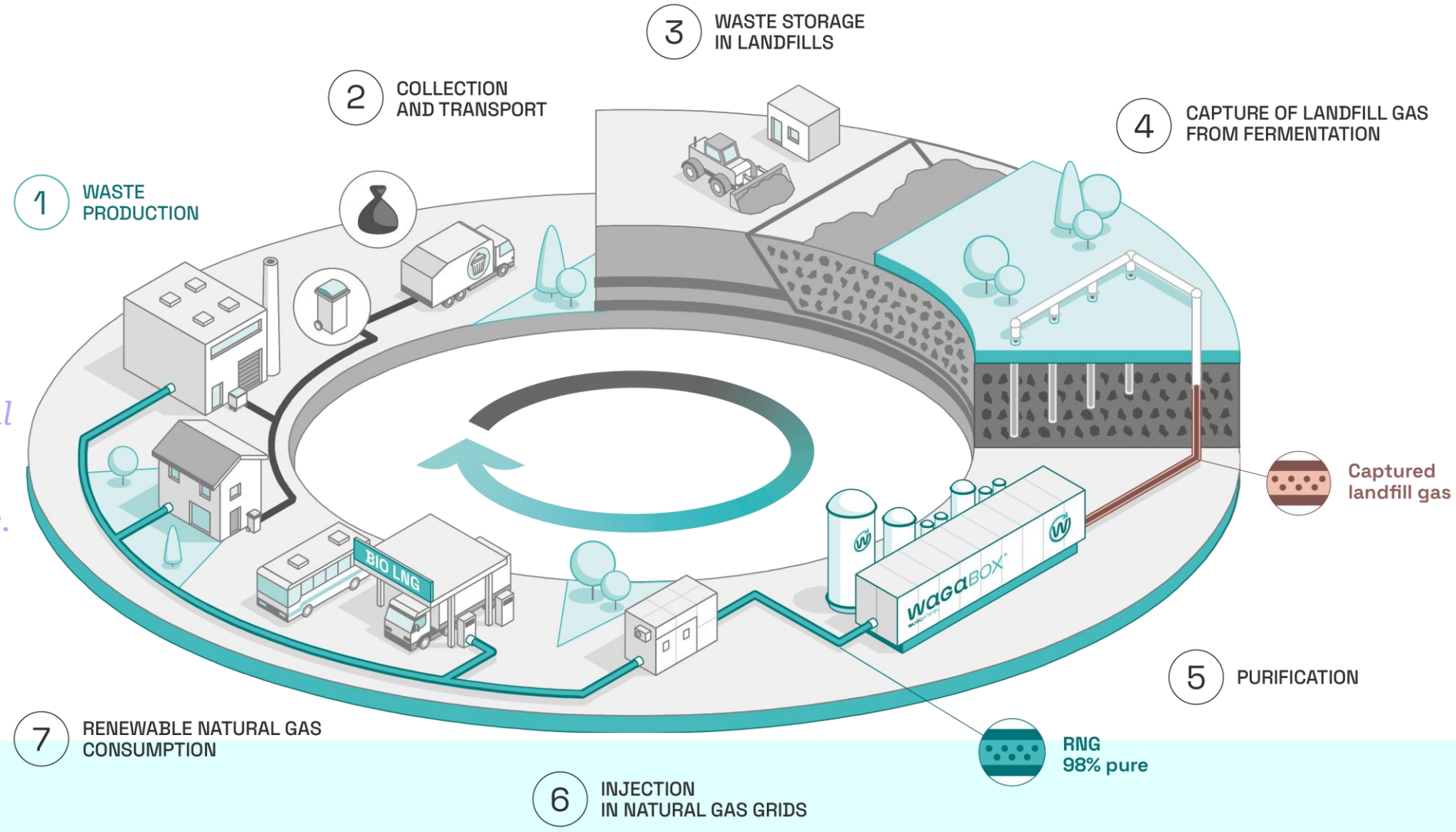
30% **30% ENERGY EFFICIENCY**

>90% OVER **90% ENERGY EFFICIENCY**

Source: Waga Energy

WAGABOX®: A circular economy solution advancing the energy transition.

Producing Renewable Natural Gas at landfills, is a sustainable and value-creating virtuous circle.



Renewable Natural Gas: The best solution to replace fossil fuels

1

Renewable energy

The production of RNG reduces GHG emissions and replaces fossil fuels

Methane is **80x** more potent for global warming than CO_2 over 20 years

2

Abundant and **available**

Significant potential to produce biomethane from landfills is largely untapped:

20,000 landfills worldwide

3

Existing **infrastructure**

Transport and consumption supported by the existing infrastructure

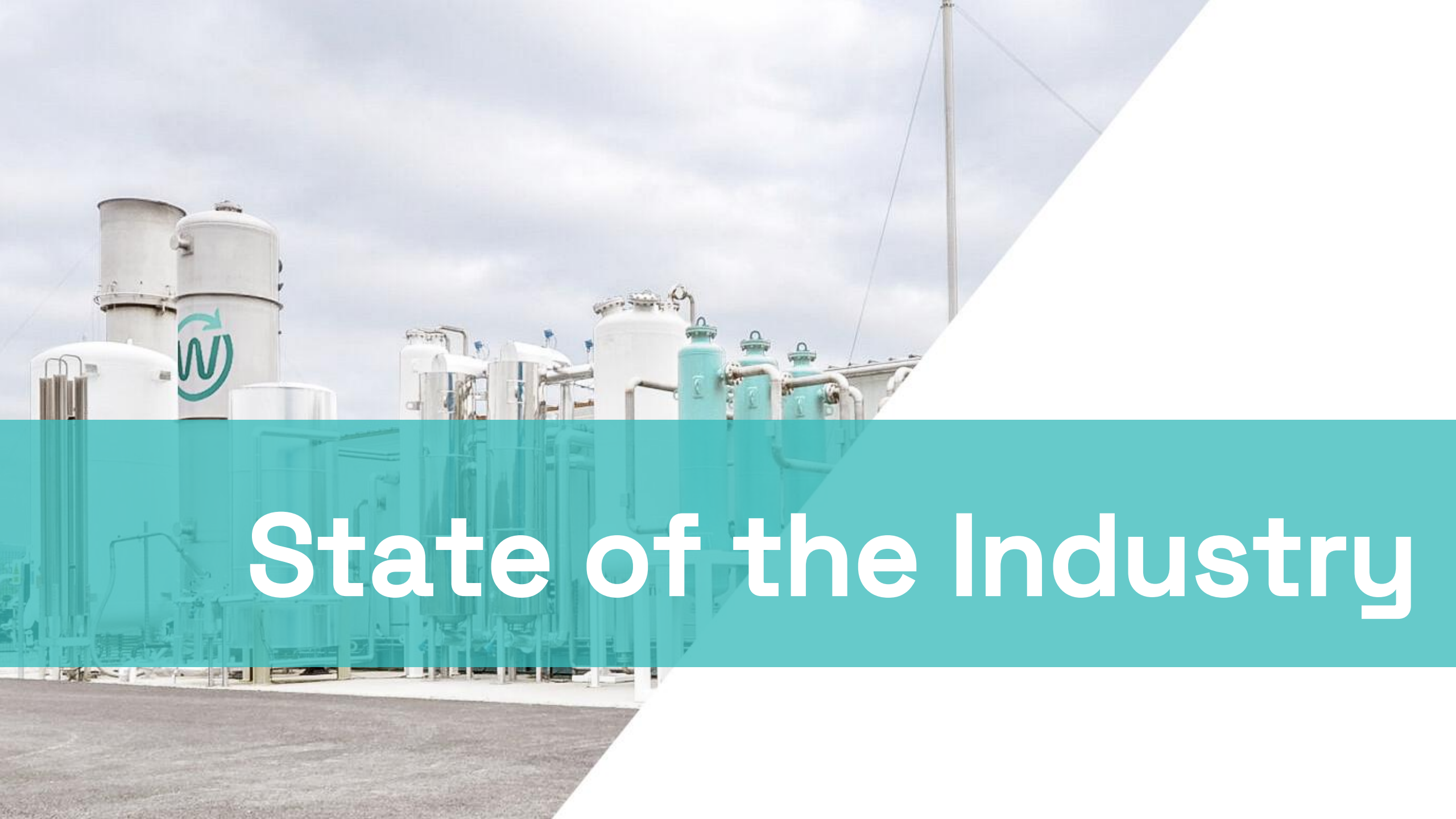
Can be **directly injected** in the existing grid

4

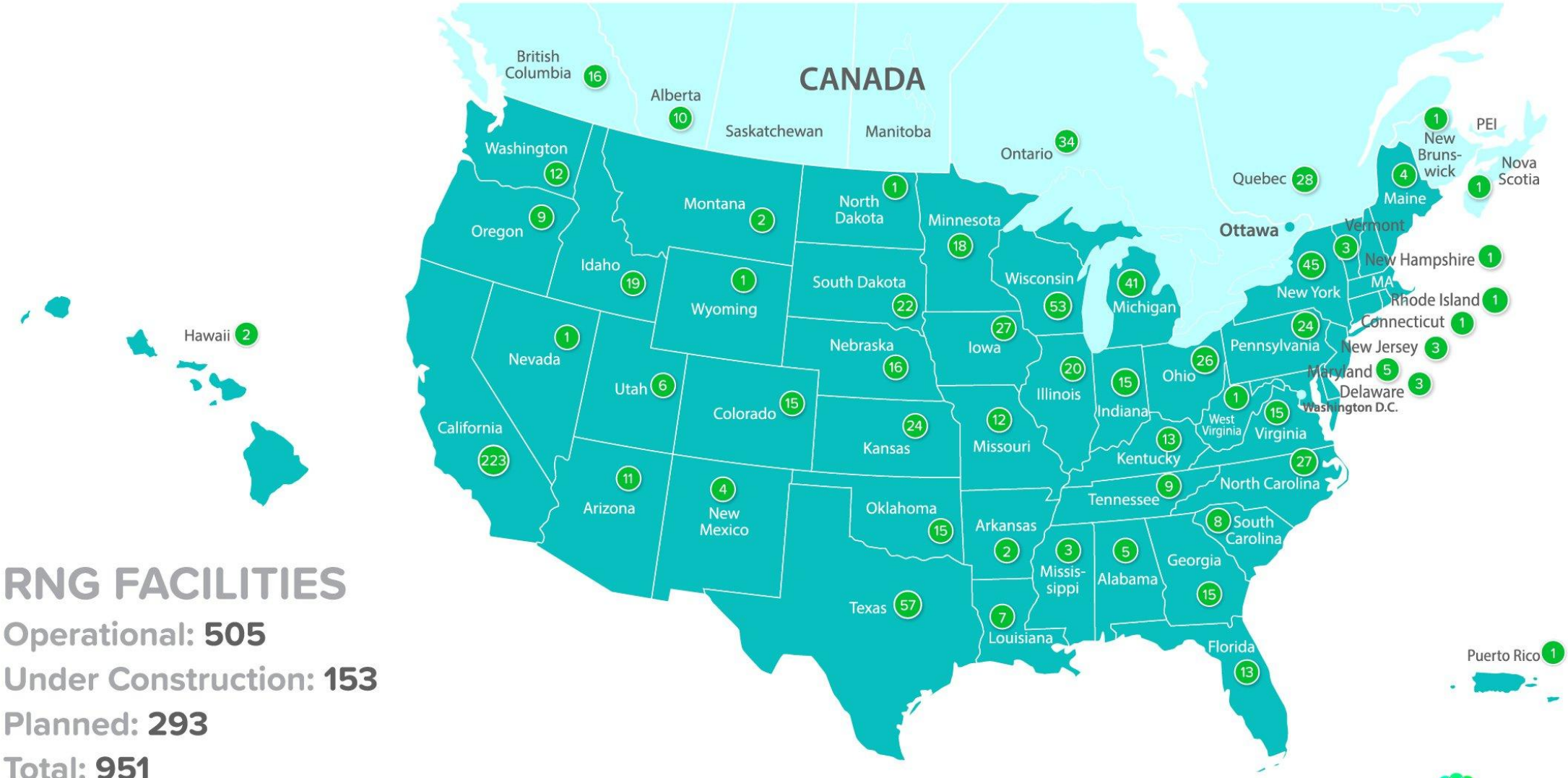
Equally distributed **worldwide**

Helps developing countries to improve waste management

Reduces energy imports and geopolitical dependance



State of the Industry



RNG FACILITIES

Operational: 505

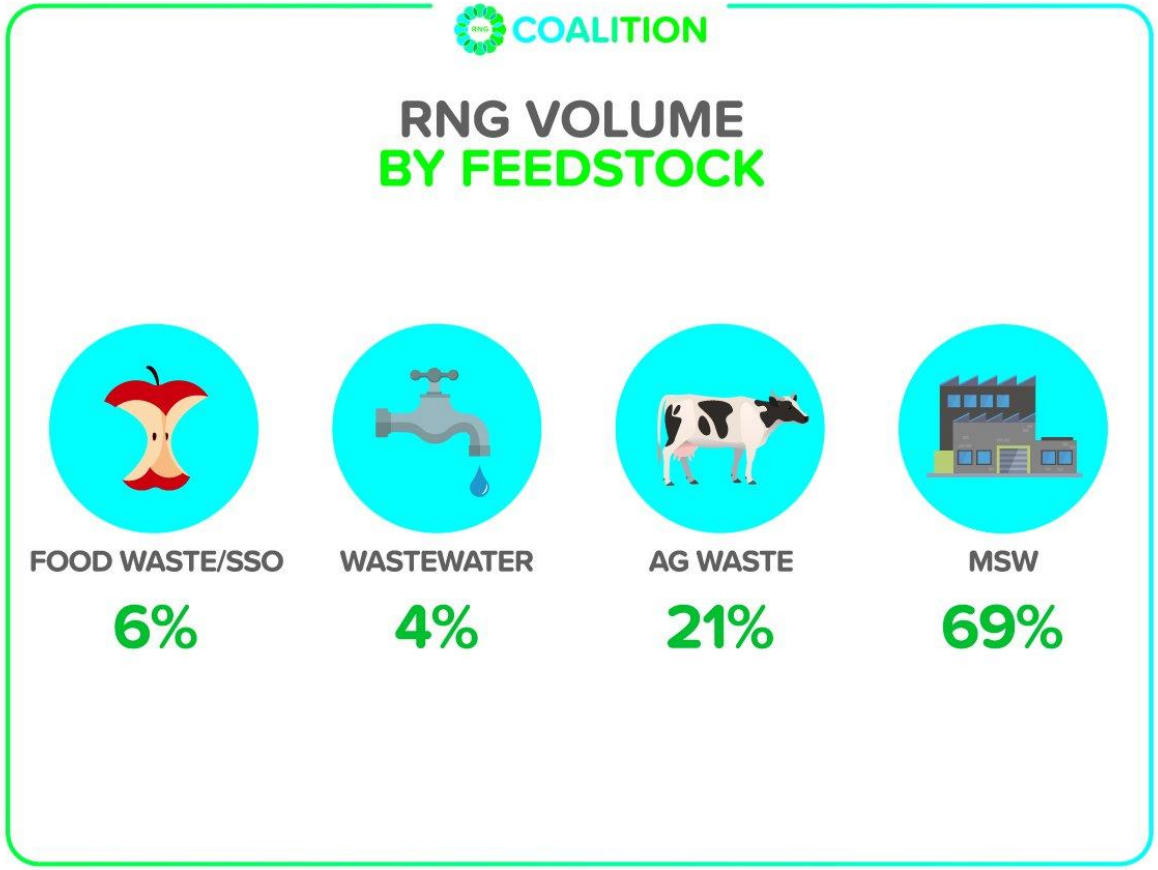
Under Construction: 153

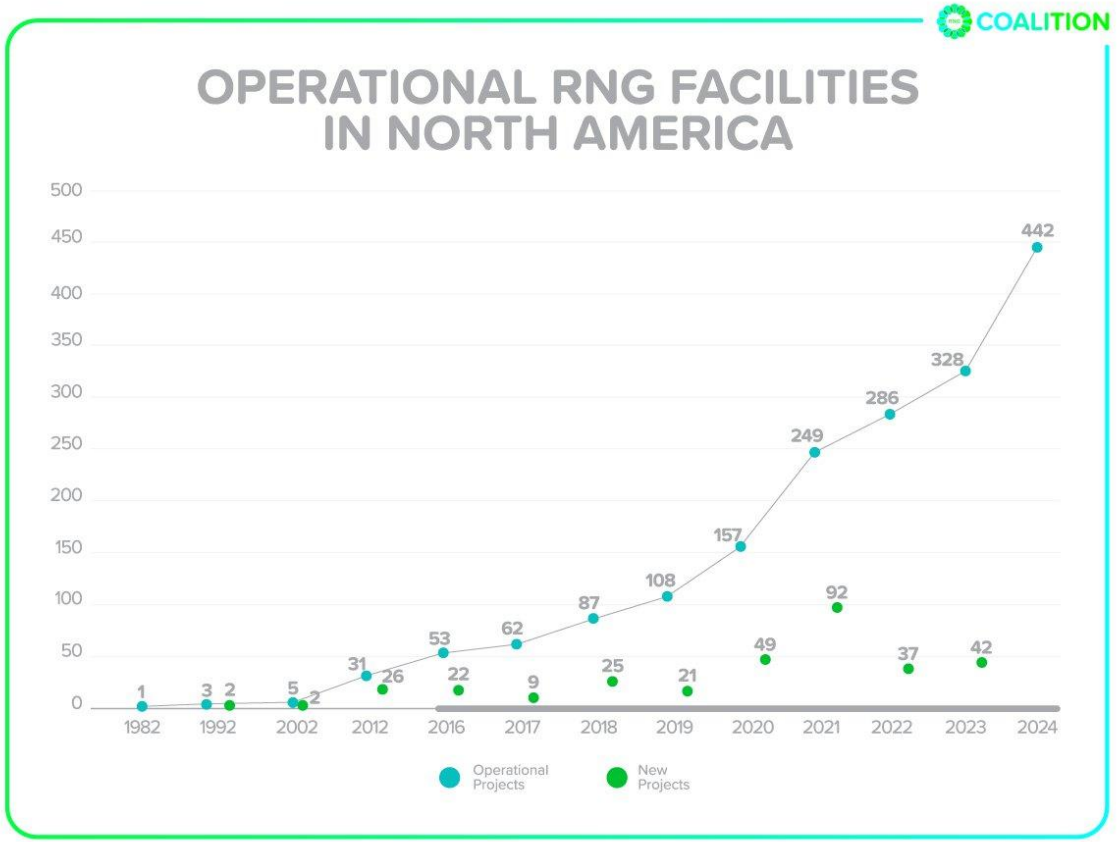
Planned: 293

Total: 951

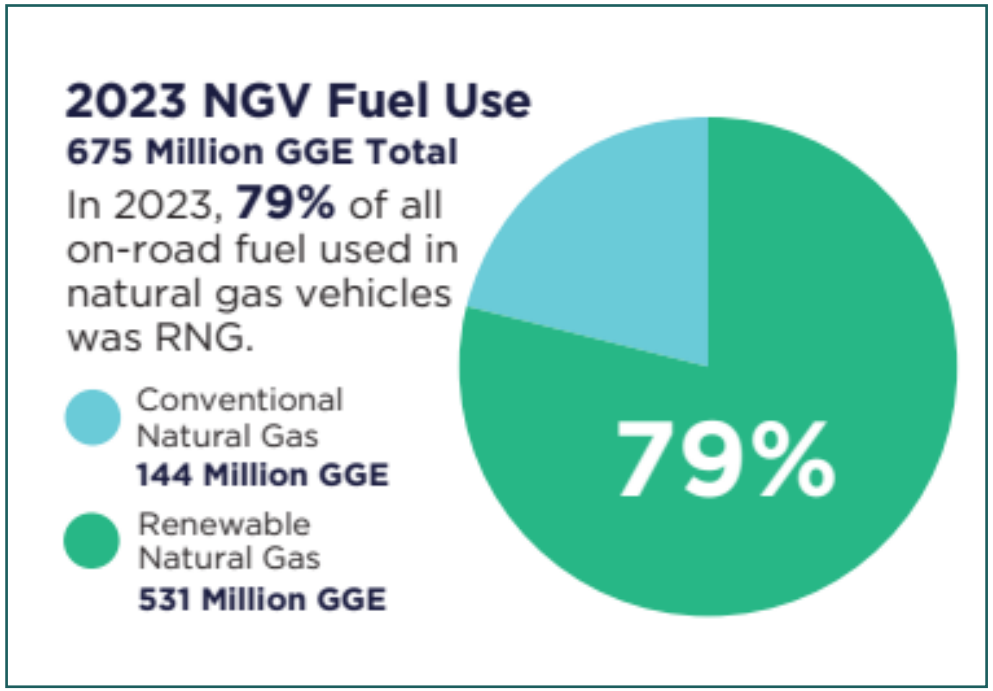
RNG COALITION

Renewable Natural Gas is rapidly growing in North America as a key pillar of the energy transition

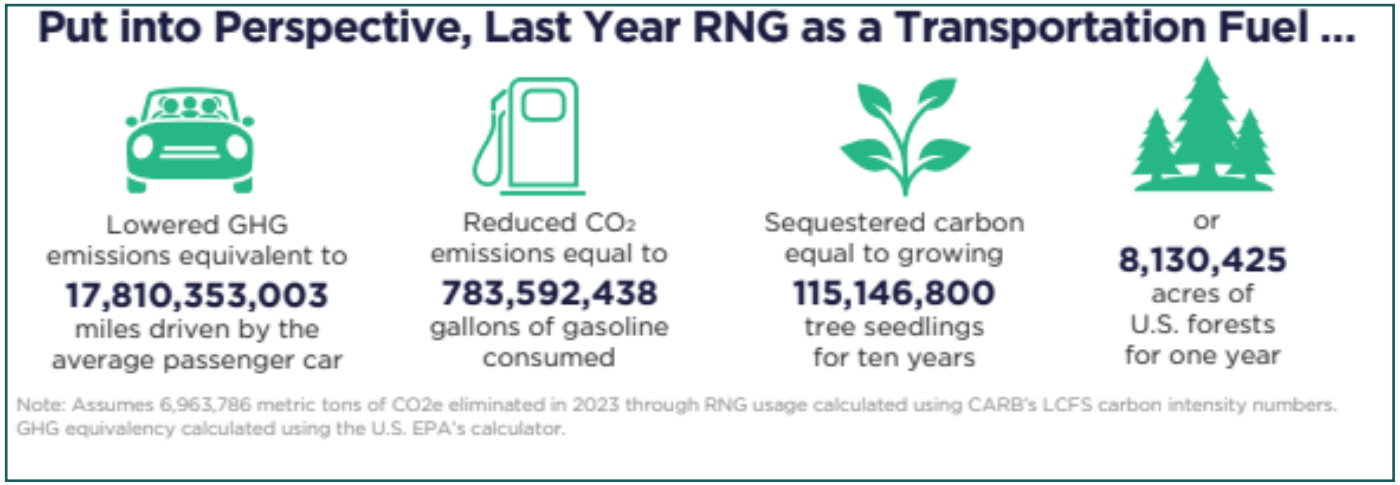




State of the Industry: Environmental Impact



Source



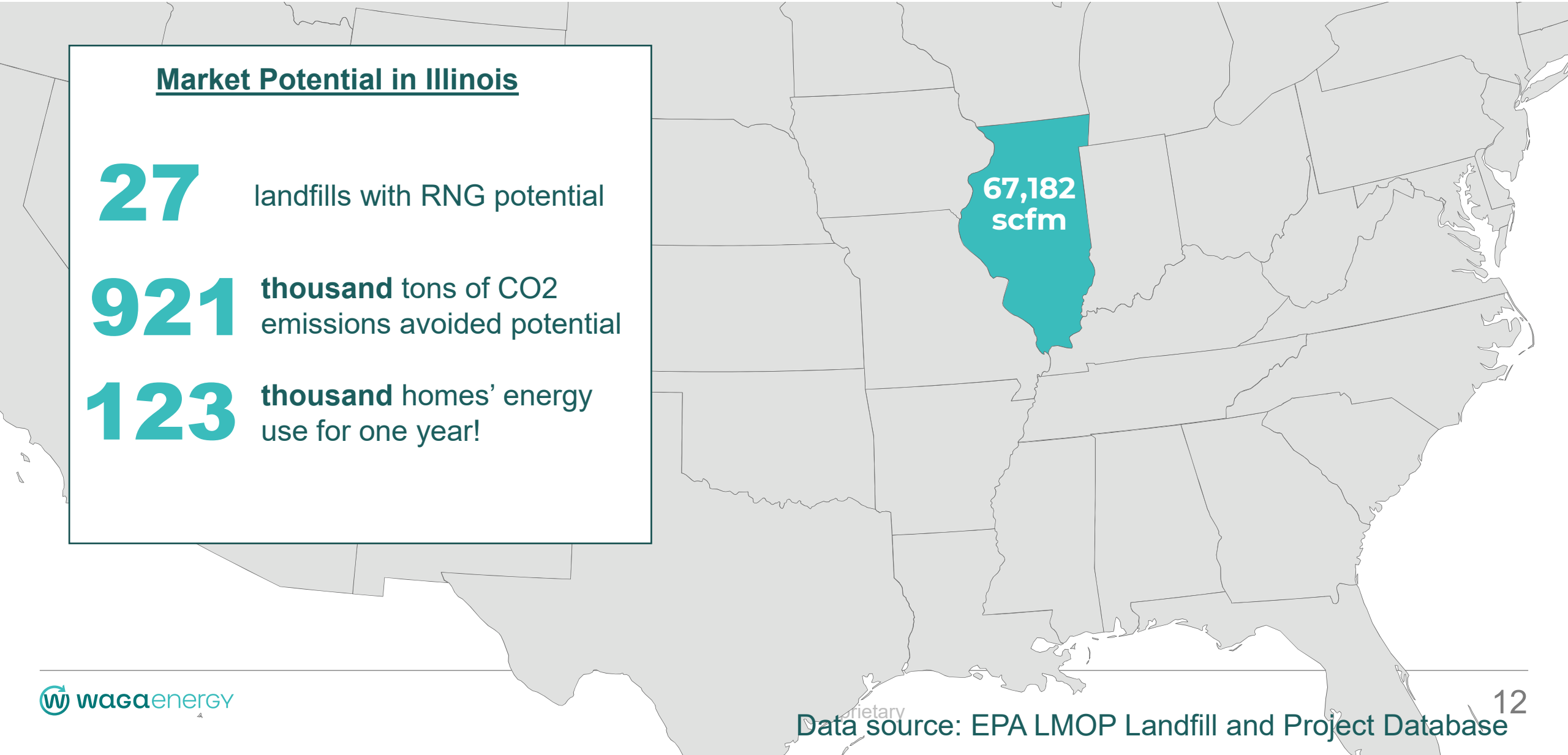
RNG from Landfills in Illinois: Abundant and Available

Market Potential in Illinois

27 landfills with RNG potential

921 **thousand** tons of CO_2 emissions avoided potential

123 **thousand** homes' energy use for one year!



Data source: EPA LMOP Landfill and Project Database

RNG Project Best Practices

Overcoming challenges in RFP development

INFRASTRUCTURE & TECHNICAL

- Pipeline interconnection costs
- Gas quality requirements
- LFG volume forecast
- Processable LFG standards for chosen technology
- Accurate LFG volume forecast

REGULATORY & EXTERNAL

- Permitting & compliance
- Community resistance

FINANCIAL & MARKET FORCES

- Volatility of RNG value over time
- Site development costs

What should the landfill owner consider?

1. Release a Request for Qualifications (RFQ) before a Request for Proposal (RFP)

2. Request financial offer based on specific flow, gas quality (N2) and market conditions (RIN, Brown Gas)

3. Understand the royalty structure (% of topline, net, or some other variation)

What should the landfill owner consider?

4. Find a developer that has the experience and technology for your specific landfill

5. Consider the offtake strategy of the proposer (% fixed vs floating, which market?)

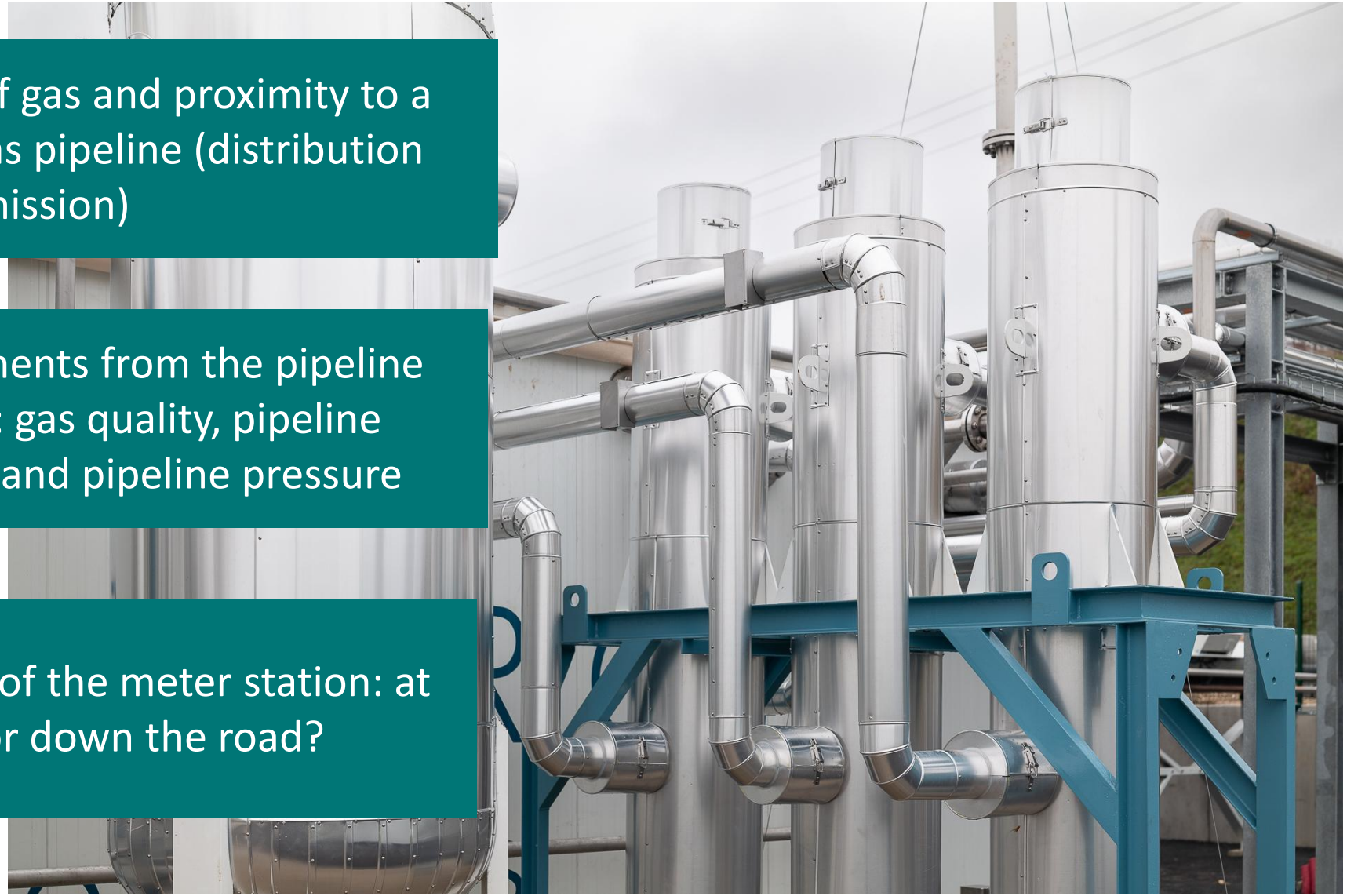
6. Consider performance guarantees (completion, uptime, and methane recovery)

What is a Renewable Natural Gas developer looking for?

1. Volume of gas and proximity to a natural gas pipeline (distribution vs. transmission)

2. Requirements from the pipeline operator: gas quality, pipeline capacity, and pipeline pressure

3. Location of the meter station: at the site or down the road?

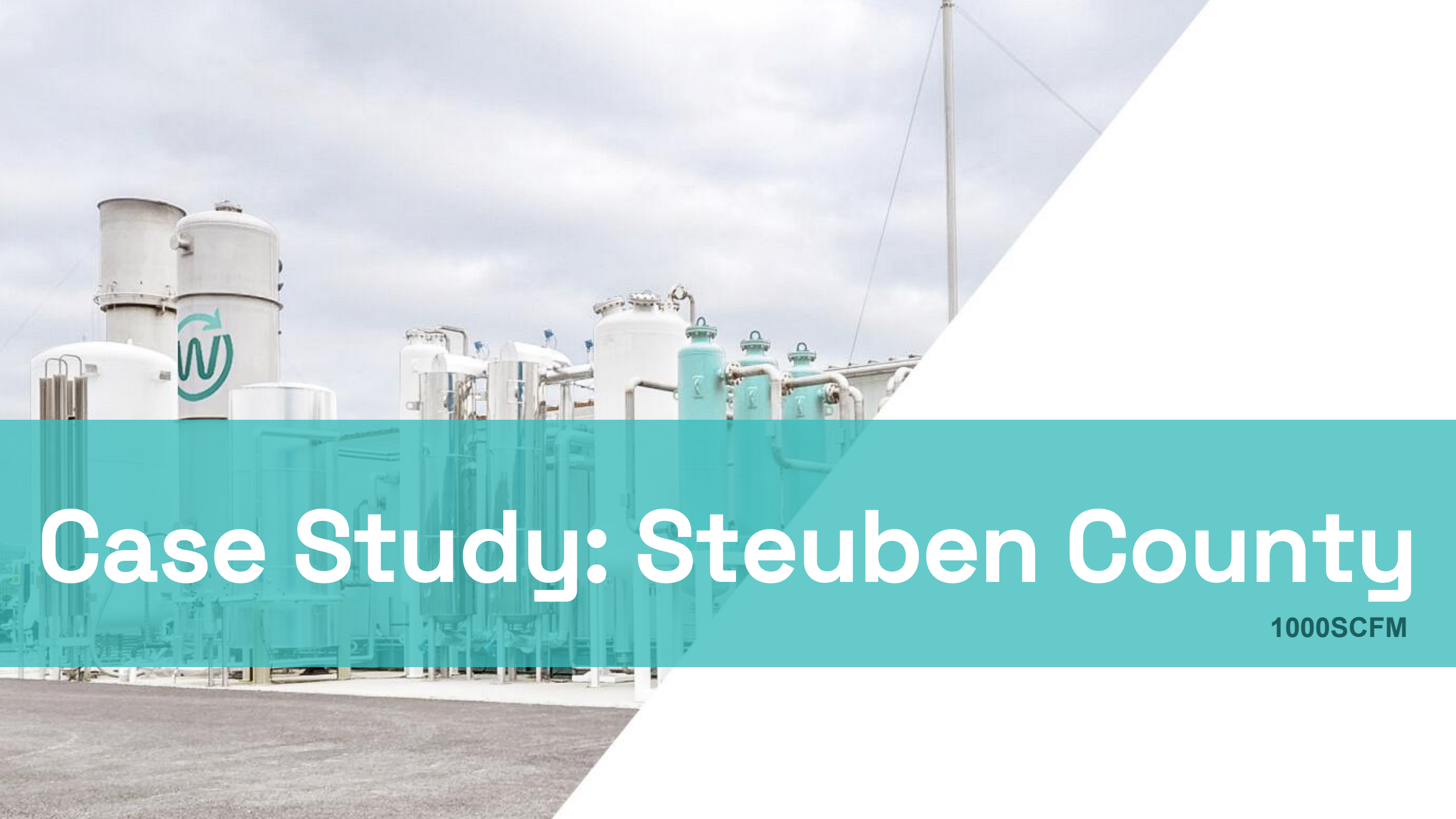


What is a Renewable Natural Gas developer looking for?

4. Future waste projections and health of the gas collection and leachate systems

5. Permitting, site development costs, and access to the RNG site

6. A suitable partner for a 20-year commitment



Case Study: Steuben County

1000SCFM

wagaBOX®

Steuben County, NY

PROJECT DETAILS

LOCATION
Bath, New York, USA

LANDFILL OPERATOR

Steuben County, NY

COMMISSIONING
Q3-2023

WAGABOX® CAPACITY
1000 scfm

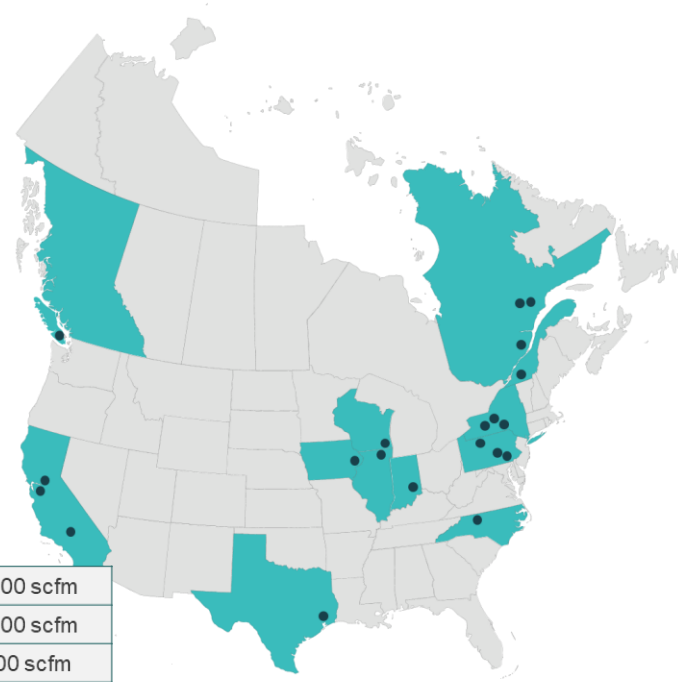
RNG PRODUCTION
220,000 MMBtu/y

DISTANCE OF THE GAS GRID:
3 miles

HOUSEHOLDS SERVED:
4,000

CO2 AVOIDED:
13,500 Tons of CO2/YR

Our Facilities



✓	Steuben	NY	1000 scfm
✓	Saint-Etienne	QC	2000 scfm
✓	GFL Chicoutimi	QC	500 scfm
✓	Brome	QC	1000 scfm
✓	GFL Mallard Ridge	WI	2000 scfm
✓	Waste Connections Winnebago	IL	6000 scfm
	Casella	NY	3000 scfm
	Casella	NY	3000 scfm
	Casella	PA	2000 scfm
✓	Hartland	BC	2000 scfm
	Lac-Saint-Jean	QC	1000 scfm
✓	Scott Area	IA	1000 scfm
	LLARC	PA	2000 scfm
	Decatur Hills	IN	1000 scfm
	Rockingham	NC	1000 scfm
	Beaumont	TX	2000 scfm
	Recology Ostrom Road	CA	2000 scfm
	Recology Hay Road	CA	3000 scfm
	SECCRA	PA	1000 scfm
	Bena	CA	3000 scfm

✓ In Operation

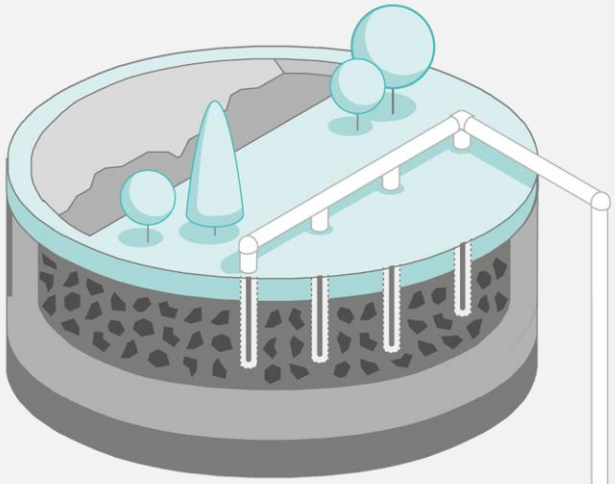
WAGABOX® – Steuben County, NY

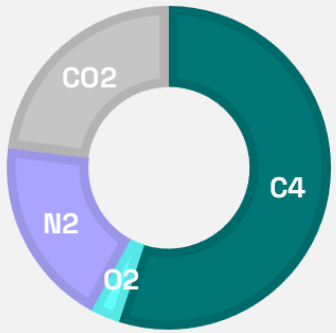
Landfill Overview

- 20-year agreement
- Commissioned in March 2024
- Less than half an acre of space
- Generates substantial revenues for the County
- 4,000 households powered annually, replacing fossil fuels
- 1,000scfm of landfill gas upgraded

From Landfill Gas to Pipeline-Quality RNG

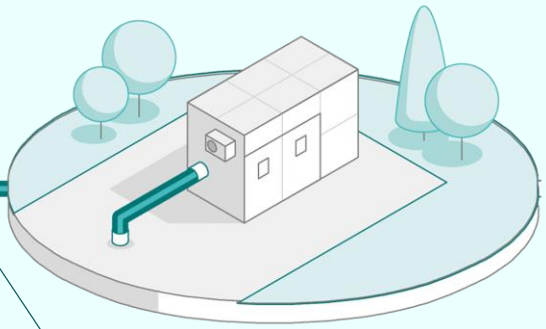
Landfill Gas Input

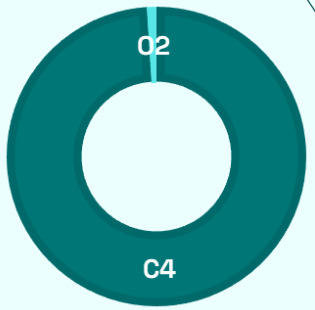




CH4: **39-55%**
O2: **0-3.5%**
N2: **19%**
H2S: **1,300 ppm**

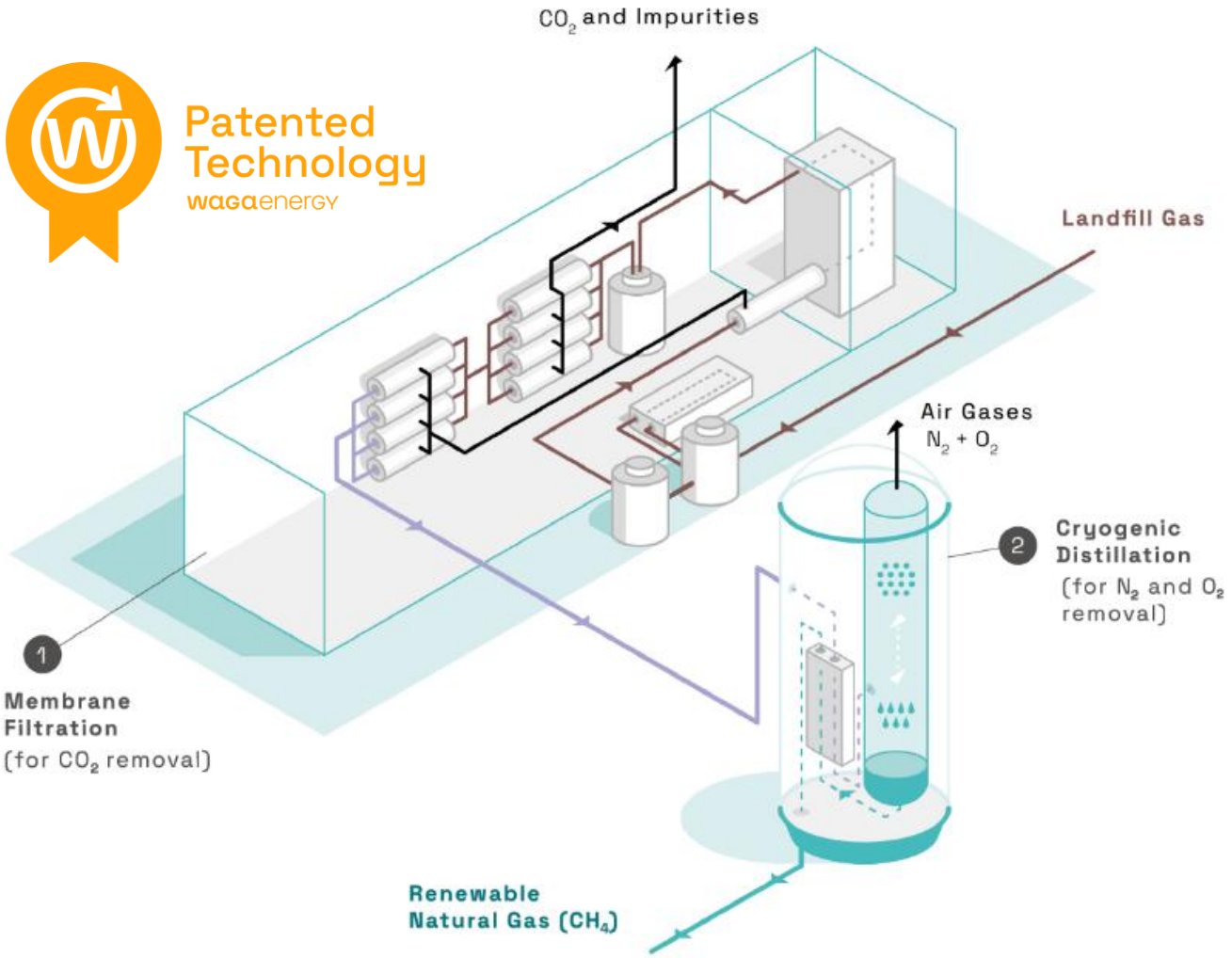
RNG Output



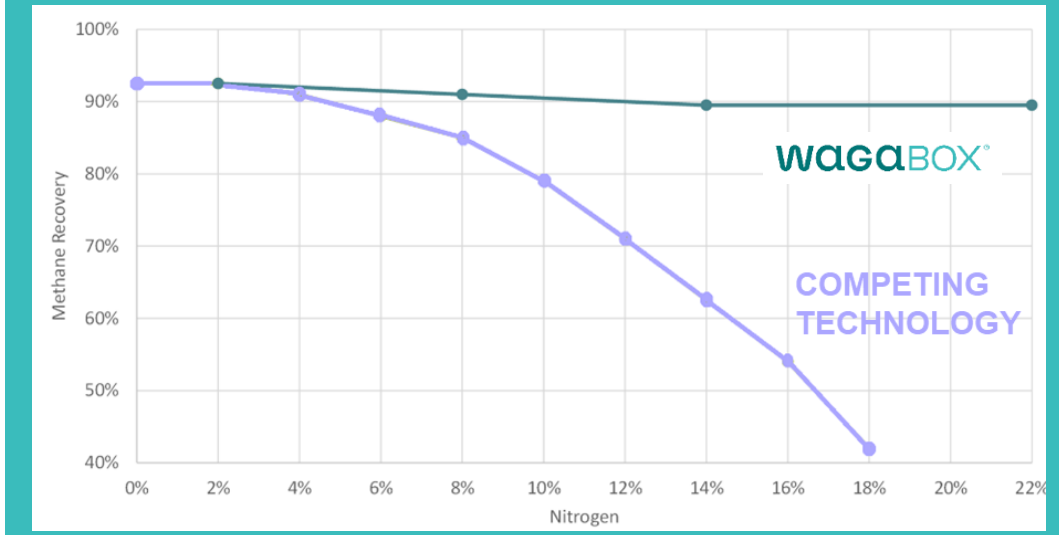


Energy: **1,000Btu/scf**
CH4: **99%**
O2: **0.14%**
N2: **0%**
H2S: < **.025 ppm**

The WAGABOX® patented technology has revolutionized the landfill gas to RNG Industry



Methane Recovery Performance vs. Nitrogen



- Up to 30% nitrogen in the LFG
- Over 95% availability
- Over 90% methane recovery
- Pipeline-compliant (> 98% methane content)

WAGABOX® 1000 at the Bath Landfill in Steuben County, NY

Scott County IA, Commissioned October 2025

How does an RNG facility benefit the landfill?

- **Converts landfill gas from a liability to valuable renewable resource**, placing your landfill at the center of the **circular economy.**
- Delivers **pipeline-quality RNG regardless of your landfill gas quality**, allowing for maximum energy collection and avoiding surface emissions and odors complaints.
- Promoting community relations through delivering **long-term revenues** to the landfill and community while creating local jobs.
- Supports municipal environmental initiatives through reducing greenhouse gas emissions, improving air quality, and reducing local dependency on fossil fuels.

Thank you!

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