



Renewable Natural Gas: Use in Thermal Applications

Thermal emissions are just one area that impacts an organization's Scope 1 emissions, but solving for them doesn't have to be a challenge. For those already using conventional natural gas for their heating needs, renewable natural gas (RNG) serves as a drop-in solution without any costly facility upgrades or interruption to operations.

How it Works:



STEP 1

Biogas is produced and collected at farms, landfills, and wastewater treatment plants.



STEP 2

The gas is cleaned, conditioned, and then injected into the natural gas pipeline where the physical molecule will be used locally.



STEP 3

Through a supply agreement, your organization receives the environmental attributes associated with your designated volume of RNG.



STEP 4

Receive the physical molecules from your interconnected pipeline, meaning there are no infrastructure changes required.



STEP 5

U.S. Energy® will perform gas verification—accurately sourcing, tracking, and reporting your thermal energy purchased. Once complete, you'll receive the corresponding environmental attributes: representing the paper trail of your RNG produced.



DID YOU KNOW?

Energy used for heating and cooling accounts for nearly 40% of energy-related CO2 emissions. As a leader in the development and distribution of alternative fuel and renewable energy, we're motivated to help organizations combat their heating-related emissions with renewable natural gas (RNG).



Our Approach

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Evaluation of Alternatives
 Assessing other renewable energy feedstocks, decarbonization goals, and supply timelines, we'll work alongside you as a trusted partner.
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Energy Procurement
 Offering flexible supply agreements, we'll help you procure and incorporate as much RNG as needed.
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Gas Verification
 As the first to use MRET's Renewable Thermal Tracking System, U.S. Energy® will accurately source, track, and report your thermal energy purchased.

Why Partner with U.S. Energy?

Vertically integrated across the RNG value chain, we connect our customers with a sustainable alternative to conventional natural gas. Backed by the financial strength and 70+ year tenure of U.S. Venture, Inc., we've crafted a portfolio enabling us to tailor our involvement to meet your project-specific needs.

55+

RNG
Development
Projects

140+

Distribution
Points into
Transportation

4

Distribution
Points into
Thermal Applications

Customer Spotlight

“The decision to **switch from fossil natural gas to RNG** has enabled the Port of Seattle to **reduce its carbon emissions by 50%** in 2021—a goal that was initially targeted for 2030. In heating our terminals at the Seattle-Tacoma International Airport (SEA) with RNG, **we've averted ~11,000 tonnes of carbon emissions per year**, allowing us to not only meet, but **surpass our stated sustainability goals.**”

– Stephanie Meyn,
Climate Program Manager at SEA



**Renewable
Fuels**
CERTIFIED

We're **Green-e® certified**, giving you confidence that your RNG purchase is backed by a trusted third-party standard.