

Renewable Natural Gas

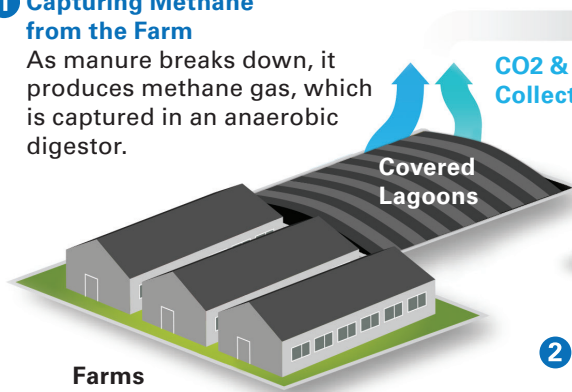
Transforming the Future of Sustainable Energy & Agriculture

Renewable natural gas (RNG) is clean energy that is made by capturing methane from hog and dairy farms, landfills, food waste and other sources. It's the cleanest energy source in the U.S. because it removes more greenhouse gases from the atmosphere than it releases when consumers use the gas. It's better than zero-carbon. It's actually carbon-beneficial!

How does Renewable Natural Gas Work?

1 Capturing Methane from the Farm

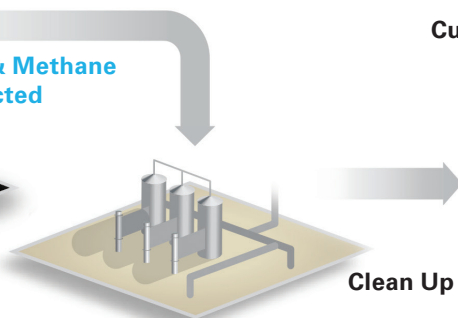
As manure breaks down, it produces methane gas, which is captured in an anaerobic digester.



CO2 & Methane Collected

2 Conditioning RNG

The methane captured from multiple farms is sent to a central conditioning facility, where it's cleaned to 99% pure methane, the same as traditional natural gas.



Clean Up

3 Delivering RNG to Homes and Businesses

The RNG is then put into existing distribution systems to serve customers seeking to reduce their carbon footprint.



- Over \$1 billion strategic alliance with Vanguard Renewables will capture methane from U.S. dairy farms and convert it into clean, renewable energy for U.S. customers.
- Leveraging Vanguard Renewables' relationship with Dairy Farmers of America improves economic viability of family-owned dairy farms.



- Dominion Energy and Smithfield Foods joined forces in 2018 to form a 50/50 joint venture called Align RNG.
- The companies will invest \$500 million over 10 years to capture methane from Smithfield's hog farms, offsetting the carbon footprint of over 300,000 homes annually.



EMISSIONS REDUCTION
EQUIVALENT TO

1.2 Million
CARS OFF THE ROAD OR

91.2 Million
NEW TREES PLANTED

Reducing greenhouse gas emissions

- RNG captures more emissions from farms than are released when consumers use the gas.
- Dominion Energy's combined investments with Vanguard Renewables and Smithfield Foods will reduce greenhouse gas emissions from U.S. farms equivalent to taking roughly 1.2 million cars off the road or planting 91.2 million trees each year.



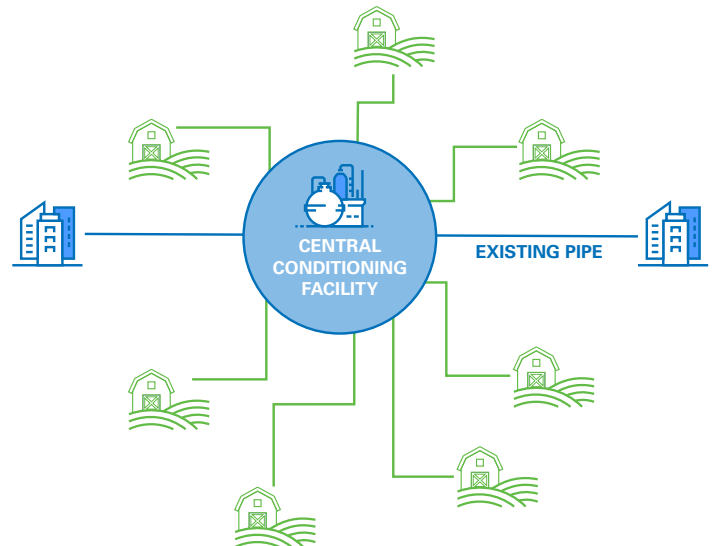
RNG PROVIDES
RELIABLE ENERGY

24/7

UNLIKE OTHER
RENEWABLE SOURCES

What a project looks like

- A typical Dairy RNG project consists of multiple dairies totaling 10,000+ cows injecting gas to a central location to form a pod.
- A typical swine RNG project consists of a cluster of about 15-20 hog farms, 150,000–250,000 hogs.
- RNG captured from dairy and swine farms is the most carbon-beneficial form of RNG.
- When a customer chooses agricultural RNG, they are reducing greenhouse gas emissions by a ratio of 25:1.



We have RNG projects currently under development nationwide, with additional projects being planned!