



# Vermont Gas' Renewable Gas Program



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Vermont Gas is committed to a sustainable future—that's why we're proud to offer Renewable Natural Gas: created from the methane produced by the organic material in farms and landfills. Every Vermont family who chooses Vermont Gas over oil reduces their home carbon emissions by almost 23% – VGS Renewable Natural Gas service gives customers the opportunity to further reduce their home carbon footprint.



# Overview VGS RNG

- **2017-VT PUC approves VGS ability to buy/sell RNG**
- **2018-VGS launches first local gas utility RNG retail offering**
- **Program Includes:**
  - **Accounting mechanisms for RNG supply**
  - **Cost recovery available for excess RNG supply**
  - **Fully documented the program in our RNG manual**  
<https://www.vermontgas.com/renewablenaturalgas/>
  - **Developed 3<sup>rd</sup> party certification model**



# RNG Drivers

- **Vermont's state goal-90% renewable energy by 2050**
- **IPCC/Paris Climate Goals**
- **Vermont customers want solutions to address climate change**

**VGS committed to decarbonization of our system with tools like, RNG/Biomethane, Efficiency, Power to Gas/Hydrogen and Carbon Capture**



# RNG Supply

## Current RNG Supply

- Landfill in Quebec
- Water Treatment Plant in Iowa

## Future RNG Supply

- VT Farm Digester 2020
- Ontario Organics Digester 2020
- Assessing VT Farm Cluster Projects





# RNG Cost Example

Rate Component	Cost
Average RNG Supply	\$16/mcf
Average Natural Gas	<u>\$5/mcf</u>
VGS RNG Adder	\$11/mcf

- Customers can buy 10%, 25%, 50%, 100% or buy RNG by the mcf.
- Customer is buying the “RENEWABLE ATTRIBUTE” (REC-like).
- VGS retires Attributes along with sales
- VGS’s program is a renewable attribute program we do not make specific carbon claims (today)



# Clean Energy Pathway



**VGS** Renewable  
Natural Gas