RNG: Transforming the Future of Sustainable Energy & Agriculture
Dominion Energy Today
Regulated energy infrastructure footprint

- $61B market cap
- $96B assets
- 21,300 employees
- 7.5M customers (total)
- 3.4M customers (elec. utility)
- 3.3M customers (gas utility)
- 18 states of operation

Note: Dominion Energy manages Ft. Hood’s electric utility system (located in Texas) which is denoted as a black dot on the map.

Please refer to page 2 for risks and uncertainties related to projections and forward looking statements.
In February 2019, Dominion Energy announced an historic, industry-leading initiative to reduce methane emissions by 50 percent across our natural gas system by 2030.

Dominion Energy is one of three companies to pilot the AGA ESG metrics & the only natural gas transmission company to post transmission ESG metrics.

Note: Carbon and methane emissions reductions targets do not include the Southeast Energy Group. The company expects to update its targets to include the Southeast Energy Group later this year.
What do the following have in common?

They are all producers of natural gas!
Renewable Natural Gas
How Does It Work?
## Align RNG™
Partnership Between Global Industry Leaders

<table>
<thead>
<tr>
<th>Global Industry Leaders</th>
<th>$250-million joint venture between Dominion Energy &amp; Smithfield Foods</th>
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<tbody>
<tr>
<td>Four Initial Projects Lead to Wider Expansion</td>
<td>4 initial projects in NC, VA and UT with goal of 90% of Smithfield’s farms in NC and UT in 10 years</td>
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<td>Greenhouse Gas (GHG) Reductions</td>
<td>Initial projects equivalent to <strong>taking 100,000 cars off the road</strong> or <strong>planting 7.8 million new trees</strong></td>
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<td>Carbon-Negative Fuel</td>
<td>More GHG emissions captured from hog farms than released in end-use in homes &amp; businesses</td>
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<td>Around-the-clock Renewable Energy</td>
<td>RNG generates power on-demand, 24/7, 365 days a year</td>
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Align RNG™ Initial Projects
Virginia, North Carolina & Utah

Milford, UT
Construction began in 2018
Operational by late 2019

Sampson and Duplin Counties, NC
Construction begins in mid-2019
Operational by mid-2020

Waverly, VA

**Enough energy to power**

14,000 homes and businesses

**Emissions reduction equal to planting**

7.8 million new trees
RNG Project Offtake Illustration
Powerful Carbon Reduction- Project Example

CO2e savings from capturing Methane to produce Renewable Natural Gas

- RNG Delivered to Customer: 300,000 (MCF/yr) – OR – 12,000,000 (lbs CH₄/yr)
- Global Warming Potential: CH₄ GWP × 25 vs CO₂ GWP
- Annual CO2e Emissions Reduction: 300,000,000 (lbs CO₂e/yr) – OR – 136,000 (Metric Tons/yr)

- Gas supply sufficient to serve >3,500 homes

- Eliminating 136,000 MTs of CO2e/year reduction is the equivalent of:
  - Removing >29,000 passenger vehicles from the road
  - ~2.25M tree seedlings grown for 10 years

1. Excludes downstream emissions from combustion of RNG
2. Assumes power generation heat rate of 6,800 BTU/kWh and 12,500 kWh per home per year
Renewable natural gas generates energy 24/7, 365 days a year and can be used on demand to meet the real-time needs of homes, businesses and utilities.

- **RNG** generates reliable power 24/7, 365 days a year.
- **Solar** generates reliable power 25% of the time.
- **Wind** generates reliable power 35% of the time.
RNG Looking Forward….

Opportunities for farmers and the South

- Waste management is currently a significant cost for family farmers.
- RNG allows farmers to turn a major cost driver into a new revenue stream.
- Farmers can invest in on-farm infrastructure and share long-term revenues.
- Development of biogas resources SSEB member states has the potential to support >$7.1 billion in capital investment and >4,700 long-term jobs
- Potential biogas production from these states could provide enough clean natural gas fuel to power >7.2M vehicles and produce enough electricity to serve the needs of >2.1M homes

*Statistics referenced above according to 2015 study by American Biogas Council