



COMING SOON: Goodrich Farm, Salisbury, Vermont Farm Powered™ Anaerobic Digester



Goodrich Farm Facts

- Generational Vermont dairy farm
- Located in Salisbury, Vermont
- Owned and operated by the Goodrich family
- 900 milking cows on site
- 1750 acres of hay
- 650 acres of corn

Utility

- Vermont Gas

Project Inputs: Feedstock

- Manure ~100 tons per day
- Organics ~180 tons per day

Project Outputs: RNG and Electricity

- 180,000 Mcf/y of baseload Renewable Natural Gas for pipeline injection
- 600kW of Renewable Electricity

Farm Benefits

- Annual lease payment for land use
- Liquid organic fertilizer to increase crop yields and reduce chemical fertilizer use
- Separated solids for animal bedding
- Phosphorus reduction
- Reduced GHG emissions



Middlebury College will continue to reduce its carbon footprint thanks to an innovative partnership with Goodrich Family Farm in Salisbury, Vermont, Vanguard Renewables of Wellesley, Massachusetts, and Vermont Gas. Vanguard Renewables will construct, own, and operate a Farm Powered Anaerobic Digestion facility at Goodrich Family Farm that will combine cow manure and food waste to produce Renewable Natural Gas (RNG). Gas produced by the Farm Powered anaerobic digester will travel by pipeline to Middlebury College's main power plant. Middlebury has agreed to purchase the bulk of the facility's output as part of Middlebury's Energy2028, a 10-year commitment to shift completely to renewable energy to power its central campus.

"We are constantly looking for ways to make our energy sources sustainable and diverse. The digester project is a great opportunity to further decrease our use of carbon-based fuels."

– David Provost, executive vice president finance and administration, Middlebury College

Beyond the Farm Powered RNG produced by the digester, the facility will create high-quality, liquid fertilizer that will reduce the farm's reliance on chemical fertilizers. The farm will benefit fewer greenhouse gas emissions and an annual lease payment for hosting the anaerobic digester facility. The Goodrich Family Farm is a generational dairy farm with 900 milking cows and is a member of the Agri-Mark Cabot Creamery Cooperative.

The Goodrich Farm AD project is scheduled for completion in 2020.

