



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 come closer to its goal of using 100 percent renewable energy sources 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). Middlebury will purchase the bulk of the RNG as part of its Energy 2028, a plan that includes a 10-year commitment to shift completely to renewable energy to power its central campus.

“We are constantly looking for ways to diversify our energy sources and make them sustainable. The anaerobic digester project at Goodrich Farm is key to achieving our goal of relying solely on renewable energy.”

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

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

