

Farm Powered Anaerobic Digestion Program Enhances Farm Income and Manure Management

No Farm Capital Investment Required



“The anaerobic digester significantly reduces farm expenses for energy, cow bedding, and heat, and minimizes smells on the farm which makes us better neighbors.”

– Peter Melnik,
Bar-Way Farm Inc.

Why Choose Vanguard Renewables?

Vanguard Renewables is a national leader in the development of farm-based food and dairy waste-to-renewable energy projects. We are committed to working alongside the dairy industry now to solve greenhouse gas emissions challenges and enhance long-term operational and economic benefits for farmers. Our established Farm Powered anaerobic digestion program reduces on-farm greenhouse gas emissions by more than 85% and supports regenerative agriculture best practices on partner farms. Vanguard builds, owns, and professionally operates all of our Farm Powered® anaerobic codigestion facilities allowing our farm partners to do what they do best – farm!

We have seven operating projects in the Northeast and we’re expanding nationwide with plans to have 100+ Farm Powered anaerobic digesters operating over the next 5 years.

Farm Benefits

Each of our farm partners is carefully selected based on herd size, available acreage, and location. No farm capital expenditure is required to participate in the Farm Powered program and farms receive a 20-year guaranteed lease contract to diversify their income. Farms also receive tangible benefits including highly potent, low odor liquid organic fertilizer to support regenerative agriculture practice and boost crop yields, dry fiber bedding material to increase cow comfort.



INDUSTRY AWARDS



“The anaerobic digester has been a huge game changer. It’s brought in an additional income stream and is a valuable manure management tool. We’ve seen increased crop yields and better soil health.”

– Denise Barstow,
Barstow’s Longview Farm



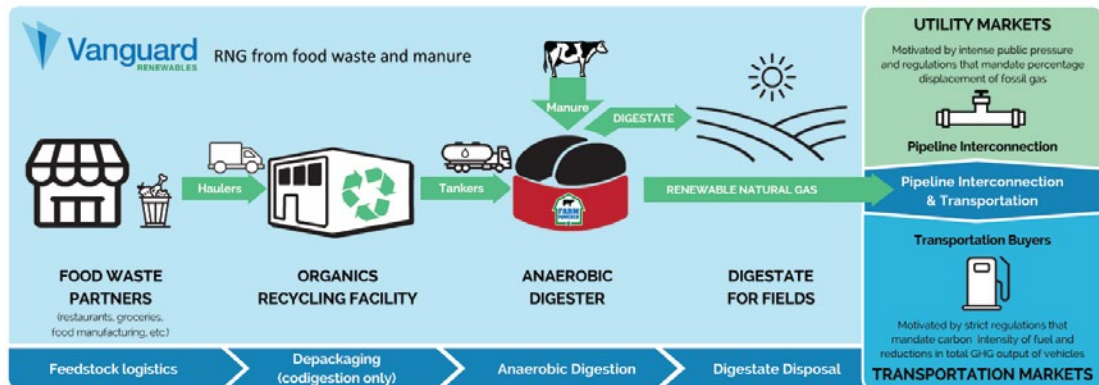
“We knew this project would really mesh well with our business. It’s really important for our generation to continue farming in the future.”

– Chase Goodrich,
Goodrich Family Farm



How Does Farm Powered Anaerobic Digestion Work?

Vanguard Renewables’ anaerobic codigestion program converts food and farm waste to renewable energy. The process begins with the collection of feedstock consisting of inedible or unusable food and beverage waste. Once the feedstock arrives at one of our Farm Powered anaerobic digesters, the waste is combined with manure collected at the farm in a sealed biodigester tank where microorganisms that naturally occur in manure digest the feedstock, converting sugars, fats, and other compounds into biogas. This biogas is captured and converted into clean renewable energy and low-carbon fertilizer along with other valuable byproducts. Our current portfolio processes more than 200,000 tons per year of combined on-farm and off-farm organics.



The Farm Powered Strategic Alliance and Vanguard Renewables Organics Collection and Recycling

Vanguard Renewables’ Farm Powered organics collection and recycling program is a zero-waste, closed-loop lifecycle that regenerates what was previously considered waste into renewable energy. In 2020, Vanguard Renewables launched the Farm Powered Strategic Alliance alongside food industry leaders Dairy Farmers of America, Unilever, and Starbucks. The Alliance now includes Cabot Creamery, Stonyfield Organics, Chobani, and Smithfield Foods. This group of food industry and dairy leaders is committed to developing a circular solution for food waste reduction and recycling, supporting regenerative agriculture practice, and decarbonizing their manufacturing and supply chain operations.



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