Not Letting Waste Go To Waste

Ag-Grid Energy is in seven states • Five dairy and food waste digester projects are producing electricity in Massachusetts, Connecticut and New York • A food waste depackager is operating, co-located with a digester • New electricity projects are being developed in Pennsylvania, eastern New York and Texas • We will soon break ground on our first renewable natural gas (RNG) project in Michigan

Updates on Existing Projects

NEW! Meadowbrook Ag-Grid, Lake Odessa, MI is our first RNG project. Now under construction, it is expected to be operational in **September 2026.** As the first co-digester project in Michigan, it will process manure from 4,000 cows plus up to 40,000 tons of food waste per year.

Lent Hill Ag-Grid, Cohocton, NY (pictured) has been operating since **December 2023.** The Chobani company purchases its virtual net metering credits. The farm's two-digester system produces 1 MW of electricity by annually recycling manure from 4,000 cows plus 45,000 tons of food waste.

Hytone Ag-Grid, Coventry, CT, our first sand-friendly project, has been operating since **March 2023**. One municipality purchases its virtual net metering credits. Its 550 KW system annually recycles manure from 375 cows plus 25,000 tons of food waste.

Fort Hill Ag-Grid, Thompson, CT has been operating since **January 2021**. Two municipalities purchase its virtual net metering credits. The farm's 550 KW system annually recycles manure from 450 cows plus 18,000 tons of food waste.

Belden Ag-Grid, North Hatfield, MA has been selling electricity to four municipalities since **June 2019.** The farm's 300 KW system annually recycles manure from 330 cows plus 15,000 tons of food waste.

Rockwood Ag-Grid, Granville, MA has been selling electricity to 10 municipalities since **January 2019.** The farm's 450 KW system annually recycles manure from 700 cows plus 16,000 tons of food waste.

Rockwood Ag-Grid Organics is a food waste depackager co-located with the digester at Rockwood Ag-Grid and operating as a stand-alone entity since **October 2020.** It processes around 6,000 tons of packaged food waste per year.

Partnering with Farmers – We are fulfilling our dual purpose to create energy with positive environmental impacts and to increase the economic viability of family-owned dairy farms by reducing costs and sharing profits.

Recycling Waste – Our projects generate clean energy by co-digesting cow manure and food waste collected within 50 miles of the farm. With support from food waste generators and grease haulers, we are diverting organic waste from landfills or incinerators and recycling it. This reduces the burden on municipalities to enforce safe food waste disposal in compliance with increasingly strict state environmental laws.

Complete Solutions – We bring together all pieces needed to develop anaerobic digester facilities: design, engineering, permitting, construction and operation. We partner with utilities for interconnection to the electric grid. We partner with the U.S. Department of Agriculture, U.S. Environmental Protection Agency and Natural Resources Conservation Service to create Comprehensive Nutrient Management Plans.

Power Backup Potential – In the future, our digesters could add a micro-grid that would provide temporary power to the local area in case of a disruptive weather or wildfire event.

7 Greenbriar Lane, Kennett Square, PA 19348

Sen. O'Mara Joins Lent Hill Ribbon Cutting

Lent Hill Dairy Farm owner Paul Wolcott (holding shears) is flanked by U.S. Sen. Tom O'Mara (R-NY) and Ag-Grid Energy CEO Rashi Akki at a ceremony marking the start of operations for his farm's anaerobic digesters. "This is an exciting milestone for Lent Hill Farm and Ag-Grid Energy and the partnership they have been building," the senator said, **"Their onsite bio-digester will showcase cutting-edge technology that promises a bright future of producing clean renewable energy while reducing emissions and cutting landfill waste."**

Why Ag-Grid Energy Is Sustainable

UGI Corporation, a Fortune 500 energy company, acquired a 33% stake in Ag-Grid in 2022. Through its wholly-owned subsidiary, UGI Energy Services, Ag-Grid has an ongoing source of capital and other valuable support for our biogas projects.

Our lenders are the significant SBA and USDA lenders that support renewable energy projects such as anaerobic digesters.

Our development partners have been building anaerobic digesters for more than 30 years. Together, we continue to improve the technology and optimize our operations.

What a Dairy Farmer Can Expect from a Partnership with Ag-Grid Energy

Ag-Grid Energy seeks to secure the future of family-owned dairy farms through partnerships with farm owners. Our digester projects enable dairies to add and diversify revenue while creating renewable energy for their own use and for sale. There are other benefits as well.

Increased Financial Stability – Energy prices continue to rise and milk prices continue to fluctuate. Farmers need an alternate source of income to minimize those impacts. Ag-Grid optimizes revenues from the digester project and shares profits with the dairy farm. In addition, the farm saves money by using some energy from the digester for its own electricity and heating needs.

Odor Reduction – A digester system helps reduce on-site odors by removing sulfur during the digestion process. As a result, the effluent digestate material has no odor.

Nutrient Management – Farms can utilize the nutrient-rich digested solids as fertilizer for organic farming. The digestate retains all the nutrients (NPK) from the manure because the digester only uses the carbon. If there is a need for the farm to bed cows in digested solids, the project could include a solids separator.

Project Scope – A dairy farmer should expect to lease about 10 acres for the digester, engine, sulfur scrubber, and manure/food waste pits. Ag-Grid will build manure receiving tanks, food waste receiving tanks, one to three digesters based on manure volume and food waste availability, a CHP system to generate renewable electricity and heat to maintain digester temperature, and an electricity interconnection to deliver electricity to the grid. Ag-Grid also will evaluate access to a natural gas pipeline to determine if it makes sense to upgrade the biogas to RNG.

To learn more, please contact us or visit our website. The HOW IT WORKS page answers many specific questions about becoming an Ag-Grid dairy farm partner.

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