



MEETING SUSTAINABILITY GOALS & PRESERVING FAMILY FARMS

January 2021



40% of America's Waste is Organic Materials

FARM POWERED SUSTAINABILITY



PROCESS
WASTE



FATS, OILS,
GREASE



WASH
WATER



PACKAGED
WASTE



DISCARDED FOOD
Front of House



DISCARDED FOOD
Back of House



Vanguard Renewables – Organics Recycling/Depackaging Hub

FARM POWERED SUSTAINABILITY



Single destination for all material needing depackaging
Feeds multiple Farm Powered anaerobic digestion facilities and supports family farms



Vanguard Renewables Co-digestion – Developers, Owners, Operators

FARM POWERED SUSTAINABILITY



- Institutionally funded by mission-driven investors seeking to impact climate change by:
 - Capturing latent methane in animal manure/reducing GHG emissions
 - Removing food waste from landfills
 - Producing renewable natural gas (RNG) or renewable electricity
- Vertically integrated anaerobic digestion company that builds, owns, and operates all its projects
- 6 operating co-digestion facilities/Projects in development nationwide
- Organics Recycling/Depackaging capability including advanced ORF in Western Mass.
- Largest organics recycler in the Northeast with capacity to process 700 tons per day of food waste and 250 tons per day of manure

- Works with leading food manufacturers, retailers and institutions including Unilever, Starbucks, and Whole Foods Markets
- Strategic Alliances with Dominion Energy and the Dairy Farmers of America

 WINNER	 2020 ENERGY VISION LEADERSHIP AWARD
	 2018 ORGANICS RECYCLER OF THE YEAR
	 2016 PROJECT OF THE YEAR BARSTOW'S LONGVIEW FARM, HADLEY, MA.
	2019 LONGEVITY AWARD JORDAN DAIRY FARMS, RUTLAND, MA.
	2019 UP-AND-COMING AWARD GOODRICH FARM, SALISBURY, VT.

The Farm Powered Opportunity - How this all works!

FARM POWERED SUSTAINABILITY



Food Service



- ✓ Prep waste
- ✓ Plate Clearing
- ✓ Expired Food
- ✓ Grease & Oil

Collection Methods



- ✓ Tanks
- ✓ Compactor
- ✓ Dumpster



- ✓ Collected liquid or solid food waste transported to ORF or anaerobic digester for recycling

Organics Recycling Facilities



- ✓ Most advanced system available
- ✓ Depackages and processes expired goods and unsafe food and beverage products
- ✓ Extracted food sent to anaerobic digester

Multiple Anaerobic Digesters



- ✓ 100% Farm Based
- ✓ Multiple systems = reliable destination
- ✓ Circularity – Closed loop



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