



**Bar-Way Farm
Deerfield, Massachusetts
The Melnik Family**





BAR-WAY FARM FARM FACTS

- 600-acre dairy farm
- Founded in 1919
- 300 cows milked daily
- Produces more than 1,700 gallons of milk daily
- Located in Deerfield, Mass.
- Other crops include hemp and butternut squash



BAR-WAY FARM DIGESTER FACTS

- Construction 2016
- Co-Digestion of farm manure and food waste
- 1 Megawatt
- 660,000-gallon capacity



BAR-WAY FARM DIGESTER FACTS

Annual Digester Input:

- 9,125 tons of manure
- 100 tons of food waste per day
- 73 million pounds of food waste per year



BAR-WAY FARM DIGESTER FACTS

Annual Digester Output:

- Produces 7,700 MWh of renewable energy/year
- Offsets 5,500 lbs. of CO2 emissions daily
- Produces renewable energy equivalent to 1,600 homes
- Provides renewable energy to the grid



**BAR-WAY FARM
FARM POWERED®
ANAEROBIC DIGESTER**

Farm Benefits:

- Liquid, organic fertilizer to increase crop yields
- Reduced energy cost
- Odor reduction
- Reduction in chemical fertilizer use
- Enhance nutrient management plan
- Heat reuse