



# rutland, massachusetts

require sustainable waste management solutions

**Location:**

51 Mushopauge  
Rutland, MA 01543

**Technology:**

Anaerobic Digestion

**Renewable Electric Generation:**

300kW per hour

**quasar's Anaerobic Digester:**

**Tank Capacity:**  
550,000 gallons

**Annual Inputs:**

28,740 wet tons

**Waste Streams:**

Manure and food waste

The Rutland, MA project uses proven, advanced anaerobic digestion technology to recycle energy from organic waste. Anaerobic digestion is a natural process where microorganisms break down organic waste materials (biomass) in the absence of oxygen. The design of **quasar's** Rutland system has been approved by the United States Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS).

The **quasar** and **AGreen Energy, LLC (AGE)** venture involves the installation of an anaerobic digester on small dairy farms (250 - 400 animals) in the Commonwealth of Massachusetts. These digesters are supplied with a mixture of dairy manure from the host farm and liquid source separated organics provided by **Casella Waste Systems** through their wholly owned company New England Organics (NEO). The project was designed, built and is monitored by Cleveland, Ohio based anaerobic digestion technology provider **quasar** and operated by NEO.

The digester is operating on Jordan Dairy Farm in Rutland, MA. The biogas is used to produce electricity and heat for farm operations and electricity for sale to the utility grid. Anaerobic digestion projects contribute to accomplishing USDA Secretary Tom Vilsack's goal to convert animal manure into renewable energy and reduce agricultural greenhouse gas emissions 25% by 2020.

*Sustainable technology solutions...*



energy



economy



environment