

In June 2006, the PBS program **NewsHour** aired a story describing **how Haubenschild sells carbon credits** on the Chicago Climate Exchange **derived from the methane** captured by their **biodigester**.

Project At-a-Glance

Built: 1999

Generation: 135kW

Herdsize: 1,000 cows, plus food waste:

Design: Plug Flow



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Case Study:

Manure Warms the Dairy and Powers 70 Local Households

Haubenschild Dairy, Princeton, MN

Situation

Haubenschild Dairy produces some 60,000 pounds of milk each day – and 20,000 pounds of manure. This family dairy wanted to reduce odors and propane costs, which are used for heating hot water, the floor and predigestion.

Challenge

Temperatures in Princeton, MN, average a low of 3°F in January. Haubenschild wanted to drop their propane costs – and needed the system to be reliable enough to handle the high volume of manure.

Solution

The Plug Flow digester system with a 135 kW generator installed by RCM in 1999 produces 72,500 cubic feet of biogas a day. The system is relatively simple, and has proven extremely reliable and efficient. From 2002 to 2005, it was in operation 96.8% of the time. The dairy's manure creates energy to heat the dairy - and electricity to meet for the needs of 70 local households.

Successes

In 2010, Haubenschild Dairy was named the 2010 Innovative Dairy Farmer of the Year. The honor was presented to Dennis Haubenschild by the International Dairy Foods Association. "Dennis Haubenschild is an innovative leader, friend to the environment and a steward of the industry who uses education and experience to teach others," said Greg Steele, vice president of Agribusiness Capital for AgStar Financial Services.