

Allan Farms - Eucolino

filius 204

Biogas

Fast Facts:

Location: Oshkosh, WI, USA

Generating Capacity: 64 kW

CONFIGURATION: Container module

Gas Type: Natural Gas



About the Site:

A small dairy farmer in Oshkosh Wisconsin was able to realize the installation of a compact containerized anaerobic digester called EUCOLINO® made by BioFerm (Viessmann Group) to produce electricity from the manure of 130 cows. Currently, off-farm feedstock (such as food waste) is added to the small-scale wet digester. Generated electricity is enough to power the farm and other Wisconsin homes. Additional manure feedstock is supplied by two nearby farms.



Application

The 2G filius CHP module with a total electrical output capacity of 64 kW/h or 531 MW per year is also producing up to 90 kW/h thermal power. In addition to the CHP unit, 2G Energy Inc. also supplied a gas treatment system with cooler/dryer and a dehumidification technology. The farmer decided to install the 2G Thermal Heat Distribution System including a Hydronic Junction. It assures that the CHP maintains optimum thermal performance at any time in different load situations.

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