

Athlone Farm

Tavistock, Ontario

2 x agenitor 306
Biogas

Fast Facts:

Location: Tavistock, Ontario, Canada

Generating Capacity: 500 kW

Configuration: Twinpack Container Module

Extras: Biogas Treatment System



About the Site:

Athlone farm is converting methane from cow manure and bio waste to electrical and thermal energy. This 600-acre dairy and crop farm had a biogas system constructed that can power at least 500 homes. By using methane produced from their farm manure and imported organic waste, the system reduces atmospheric methane, creates a better quality of crop nutrient and supplies clean bedding for the farm's dairy animals.

Statistics

- By collecting the methane from manure and green waste, and converting it to produce electrical and thermal power, the farm produces 25 times less atmospheric methane than would naturally be produced.

Application

This compact CHP module is highly efficient and provides many advantages over and above more common power generation systems. The customer signed a 20-year contract with the OPA to supply power to the grid. Apart from using the manure from the farm as a fuel source, the anaerobic digester will accept off-farm organic green waste that normally would go to landfills.



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