

Boleszyn, Mazury

Biogas plant Boleszyn

The biogas plant in Boleszyn was built next to the pig farm. The substrates in this biogas plant are: manure, corn silage, as well as distillery stillage and whey. In the process four different co-substrates are stably fermented yielding high biogas production. All in all 43,900 tons of maize silage, slurry, distillery stillage and whey are used to produce 8.5 mln kWh of electricity and 9.2 mln kWh of heat per year. In the near future it is planned to expand the biogas plant capacity to 2 MW.

Biogas plant in Boleszyn is an example of investment which benefited both the farmers and the local community. Currently burdensome slurry formed during the rearing of pigs is not a problem for local residents, and additionally they receive hot water, so that the cost of winter heating has significantly decreased. Operator from Plock buys electricity. Heat produced in the biogas plant is also used by the local distillery.

Technology at a glance

- Biogas production: 4 230 000 m³/year
- Methane content: 53%
- Installed power: 1050 kWel, 1156 kWth
- Digesters: 3x4239 m³
- Substrate/year: 20 000 t maize silage, 13 000 t slurry, 7 300 t whey, 3 600 t distillery stillage
- Input waste/substrate: 43 900 t/year



Information on financing

Year of realisation: 2012

Investment costs: 22 mln PLN

Feed-in tariff electricity: 0.38 PLN/kWh

Tariff for heat sale: not available

Disposal costs: not available

More information

Lodz University of Technology, Faculty of Process and Environmental Engineering, Department of Bioprocess Engineering, 213 Wolczanska Street, 90-924 Lodz
Tel.: +48 42 631 37 37
E-Mail: liliana.krzystek@p.lodz.pl



Plant operator

Biogal Sp. z o.o.

Boleszyn 7A

13-308 Mroczo

E-Mail: sekretariat@biogal.pl