



ENERGIES DIRECT LLC

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Public Service Commission of Wisconsin
RECEIVED: 02/17/09, 12:03:12 PM

February 17, 2009

RE: PSC Renewable Tariff Comment-**Specific reasons for successful operation and implementation of biogas systems in Germany**

All information and comments stated in this document are based on the Renewable Energy Law (EEG) of Germany. Updated and revised, effective January 01, 2009.

Germany's goal for the year 2020 is to have 30% of all electric energy available from renewable energy.

EEG states that any individual or company looking to build a renewable energy system has to be assisted by the power company in Germany. Once the owner/builder of that plan notifies the power company, it then becomes the duty of the power company to cooperate fully and connect the system to the power grid without delay.

In Germany, you are allowed to choose which power company you wish to work with. You do not have to work with the one located closest to your location. The power companies contract to work together and there are no restrictions that mandate that you work with the power company in your area. There are no monopolies.

The owner of the system has eight weeks to provide full details of the intended operation of the system to the power company in order to allow them fair preparation time.



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When the renewable energy system is producing more than 100 kWh per hour, it must be provided to the power company in a way that they can adjust the amount of energy produced and regulate the energy consumption to be most efficient.

If the power grid cannot handle the new amount of energy being produced, the power company cannot refuse to buy the electricity and by law must upgrade the lines to handle the power flow. If the lines are not upgraded by the time the biogas system is operational and limits the amount of electricity that the owner can sell to the grid, they can sue for losses until the power company complies.

In Germany, the smaller farmers are compensated with a higher buy back rate instead of the higher producing system receiving the higher rate. Power companies pay systems producing 150 kWh 11.5 cents plus additional 6 cents for producing biogas. 500kWh systems are paid 9.9 cents and an additional 6 cents per for producing biogas. Once a system is large enough to produce up to 5MW, the rate goes down to 8.9 cents and only 4 cents for biogas production.