



District heating in Onsbjerg

A locally organised Heating Plant

Onsbjerg goes single

An idea concerning district heating was put forward to the citizen group in Onsbjerg as alternative to original plans looking at a larger district heating system covering a number of villages. Results of meetings with the citizen group indicate interest for establishing district heating in the village. A local enterprise is tendering for the construction work and for the operation and maintenance of the system.

System data

The system runs on a 800 kW straw boiler and supplies heat to 76 residents and institutions via a distribution grid on 2.9 Km. twin-pipes. The heat consumption of the connected buildings is calculated to 1,500 MWh per year and the heat loss in the high insulated ++pipes to roughly 300 MWh per year.

The prize of the system is calculated to a bit more than 1 million Euro of which the Danish Energy Agency has accepted co-finance approximately one

third. The system is constructed to be able to handle further connections in the future.

Organisation

The district heating system is organised as a limited company owned by the local manufacturer Brdr. Kremmer Jensen. Two members of the board shall represent the consumers, and one member of the board shall represent the Municipality.

The cost of connecting to the system is a symbolic 15 Euro, a prize that includes removal of old equipment and the installation of a new district heating unit.

The fixed price for connection is 300 Euro per year for a normal consumer and the price of heat 85 Euro/MWh. The fixed price for connection for larger consumers varies from 670 Euro to 2000 Euro per year. The construction of the district heating project began in June and the opening took place in November 2002.



The 800 kW straw boiler at Onsbjerg