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Bio Heating Hatzendorf

Located in A-8361 Hatzendorf (Styria / Austria)

- Owners, Operators: Mr. Ing. Nestelberger and Mr. Teschl
- in operation since September 2006
- 2x500kW HERZ BioMatic
- 4-row hydraulic moving-floor (walking floor) discharge
- 10m³ buffertank
- the heat is supplied to the agriculture technical college (600 kW needed), public and domestic buildings
- Wood-chip consumption: approx. 2500m³/annum (as of May 2008)
- Length of district heating pipeline into the village approx. 1300 meters (in one direction)
- approx. 250.000 € costs for building, buffer, installations, boilers,...
- approx. 450.000 € costs for district heating pipeline
- approx. 700.000 € total investment
- approx. every 2 weeks burning-ash and cyclone-ash cleanout from the ash-boxes (year 2007), since 2008 automatic ash-discharge with screw-system
- Amortisation-time was calculated with 15 years, currently it should be 8 years
- For funding it was mandatory to have 80% of the heat consumption on contracts and to have 80% of wood-chip delivery contracts with the farmers
- The wood-chips are supplied by 8 farmers near the village Hatzendorf, one is Mr. Teschl (son of the owner and operator), also the agriculture school supplies approx.400m³ wood-chips
- energy-price is approx. 0,05 €/kWh
- The delivered wood-chips are not weighed, the volume is calculated and the water-content is measured and the quality is determined (if it is soft-wood, hard-wood, how much bark etc.)
- Wood-chips with over 50% hard wood and maximum 30% moisture-content are accepted
- Price for wood-chips approx. 14 to 17 €/m³

The price for the end-user is calculated as follows (excluding VAT):

- 48€/MWh WORKING-PRICE
- 18€ per kW power BASE PRICE
- 96€ per annum MEASURING PRICE (= 8€ per month)
- Approx. 4600 € CONNECTION PRICE (one-off fee after installation)
- Example with 15 kW = approx 1000€ costs per year (1200 € including VAT)