

Country: Denmark	Place: Århus	Date:24.01.2011
No. of participants: 3	Organizer: DTI	Target group: HORA Company

Title

**Network meeting No. 3**

Topics of the event:

- Meeting to decide a case study for a straw pellet factory for HORA Company

Short summary: (aims and goals of the meeting, methods, contents, results)

This meeting is a follow up on the 19.11.2010 meeting with HORA. Discussion on use of different raw materials for pelletising. Discussion about the market for the produced pellets. It was decided that the MixBioPells project can support a market analysis for the produced pellets.

- List of participants

- Erik Storm, Hora Company
- Niels Jeppesen, Consultant. Straw expert
- Lars Nikolaisen, DTI

- Minutes

The idea is to convert an existing, but bankrupt wood pellet factory to a straw pellet factory. The main raw material is dry straw, but wet straw can also be used as there is drying facilities on the plant. Biomass residues as carrageenan waste or mash from breweries can be used as combustible additive to increase the fuel quality, this means to decrease the risk for corrosion. Peanut shells, corn cobs can be used as imported raw material. Another possibility is to mix the straw with Calcium Carbonate (Non combustible additive) in order to increase the melting temperature of the ash. There is an interest to have a calculation sheet for mixed pellets.

The consumers are District Heating plants or schools in the countryside and minor industries with biomass boilers. The heat is used for room heating. Export of pellets is a possibility

Key obstacles within the respective case study, is that more or less all small scale pellet boilers are built for low ash fuels with high melting temperature of the ash, namely wood

It was decided that the MixBioPells project can support the market analysis for sale of straw pellets or mixed straw/residue pellets for use in medium size boilers. The market analysis shall among others be background for rebuilding a former wood pellet factory to a straw pellet factory.