

Busy day - visited two biomass boiler manufacturers (Passat and Weiss), a gasification plant, two a wood district heating plants and a straw fired district heating plants. All the district heating plants had Weiss boilers, ranging from 3.5 MW to 5.0 MW. We discussed technology transfer. The wood for the second plant comes from a 25 km radius. The straw comes from one farmer, and they use 6000 500kg bales a season. One kg of straw is 4 KWh. Electricity here is about 55 cents a KWh of which 22 cents approx. is tax - so lots of incentive for efficient heating such as biomass.

The first plant is burning wood processing residue and demolition wood residue and has to landfill its ash. Landfill tax is about DK350 per tonne. Wood waste can't go back into the forest because of cadmium accumulation but the straw ash can, as long as it goes back into exactly the same fields the straw came from, at intervals of no sooner than three years. It is high in Ph.

The gasifier was a demonstration plant. Pretty cool. Tomorrow I am off to meet scientists at the National Energy Laboratory of Denmark at Risø, and bioenergy colleagues at the Danish Energy Agency.