

Biofuelled plant to Finnish energy company

Wärtsilä Corporation has been contracted to supply an 8 MW BioEnergy boiler plant to the Isojoen Lämpö Oy heating utility in Isojoki, Finland. The plant will incorporate Wärtsilä's patented BioGrate combustion technology, which is especially suitable for burning extremely wet biomass fuel. The scope of supply also includes the process equipment, buildings, installation, commissioning and training. The plant will start producing heat in April 2005.

The company Isojoen Lämpö is jointly owned by Isojoen Saha (sawmill company) and the Isojoki municipality. The sawmill will use most of the heat provided by the new boiler in its drying line. The local district heating network has a maximum heating demand of 1 MW during the winter. The boiler will burn the side products from the sawmill: bark, sawdust and wood chips.

The company has an old biofuelled boiler which provides the heat for both the drying process and district heating. The amount of heat supplied by Isojoen Lämpö has been around 30,000 MWh / year. ■

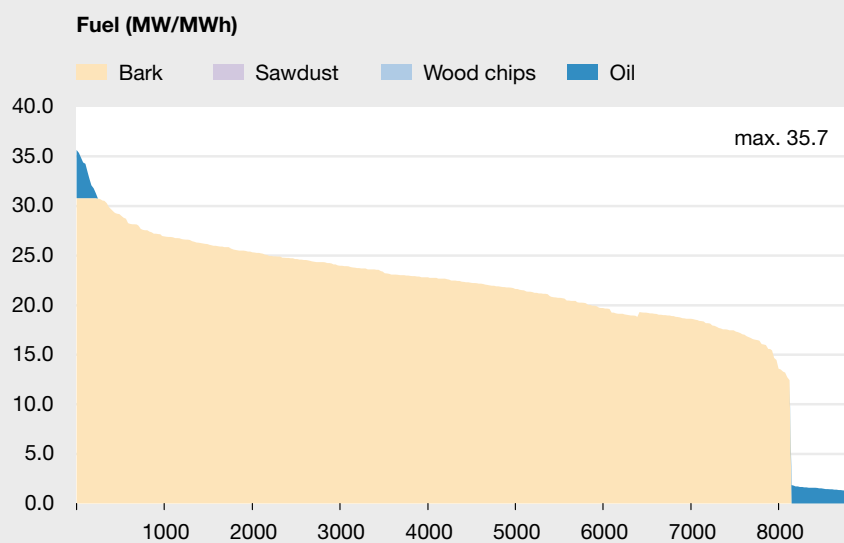
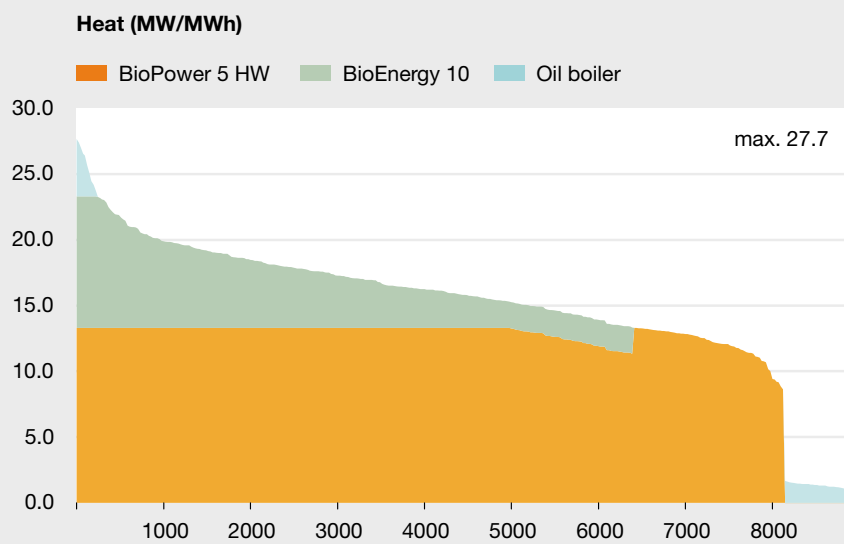
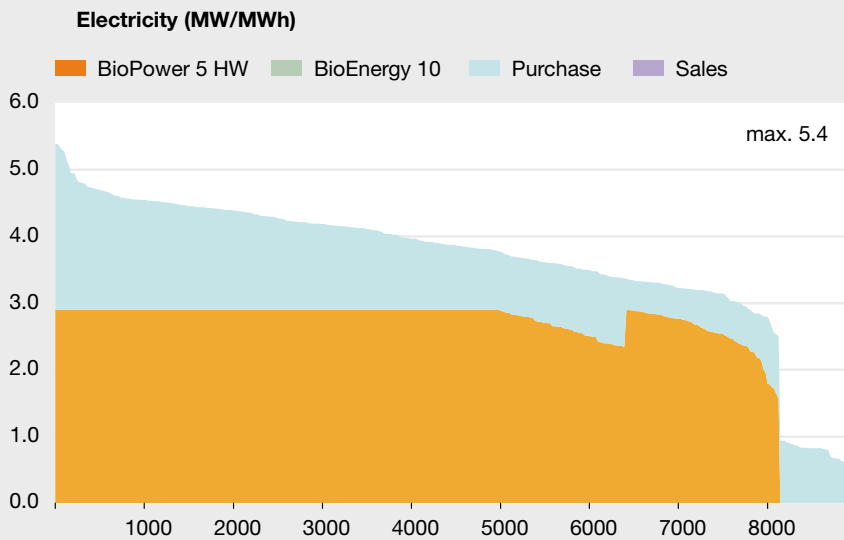


Fig. 5 Electricity and heat production and fuel consumption. Source: Wärtsilä Biopower