

12th December 2006

TV Bioenergy Coppice

Short Rotation Coppice Markets

Slough Heat and Power

The largest existing market in the South East for short rotation coppice is Slough Heat and Power. This power station was built in the 1920's to provide electricity and heat to the trading estate that was being developed.

Eighty years later the power station converted from coal as its main feedstock to woodchip. The plant is now fully operational on woodchip and has an input of several thousand tonnes per week.

TV Bioenergy, TV Bioenergy Coppice's sister is one of two aggregators of woodchip for Slough Heat and Power and supplies the power station with woodchip from forestry residues, tree surgery material and short rotation coppice.



Existing Small Scale Installations

The first is an 80kW boiler at Shortenills Environmental Education Centre in Buckinghamshire. The boiler was installed and commissioned in 2005 and provides the hot water and central heating requirements of the buildings at the residential centre for primary school children.



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In 2005, a 60kW boiler at Curzon School in Buckinghamshire was installed. The boiler provides all the heating and hot water requirements for the small primary school with 135 pupils. The boiler utilises approximately 15 tonnes of woodchip per year.

Slough Borough Council installed a 540kW boiler at Wexham Nursery in Autumn 2005. This boiler heats the plant nursery that supplies plants for the Councils parks, roundabouts and hanging baskets. The annual fuel requirement for this boiler is 250 tonnes of woodchip.



A 220kW boiler at the Living Rainforest in West Berkshire was installed in 2006. It provides the space heating for the glasshouses that house a wide range of tropical trees, plants and animals at several different climates. This boiler utilises approximately 100 tonnes of woodchip each year.



TV Bioenergy has also supplied wood fuel to five other biomass boilers outside the region on an ad-hoc basis, due to fuel supply difficulties in those regions.

Future Developments

At TV Energy we have been working in conjunction with the local authorities across the Thames Valley, Surrey and North Hampshire to encourage the growth of biomass electricity generating and heat production plants. Small scale plants are being promoted for schools, hospitals and other municipal buildings and with good funding streams currently available many of these are looking very promising.