

BIOMASS

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Problem

Bristol City Council's Blaise plant nursery used to consume over 80,000 litres of LPG and heating oil per year to heat their greenhouses. This not only cost around £19,000 in energy bills, but also produced emissions of over 100 tonnes of CO₂ annually.



Solution

A 400 kW biomass boiler has now been installed which links the greenhouses via a heat main that replaces the existing fossil-fuelled heating system. This uses wood chip made from wood 'waste' generated by the council's parks and woodlands as its fuel source. A barn has also been erected to act as a fuel store with excess capacity to store wood fuel for use at other biomass boilers around the city such as those at Florence Brown Special School and Netham Sports Pavilion.



Benefits



Large energy cost savings.

Helping to meet BCC CO₂ reduction targets.

Promoting BCC as a leader in biomass and sustainable energy.

Demonstrating best practice in installing and use of biomass boilers