

Rendlesham Primary School – Biomass Boiler

Rendlesham Primary School was a new build school and opened in 2006. As part of Suffolk County Council's Woodfuel programme, the school is heated using a 120kW Binder wood chip boiler. The equipment is installed in a purpose built boiler and fuel store, providing an active storage area of 25m³.

The wood chip used in the boiler uses wood from the local Forestry Commission and is distributed by Eastern Woodfuel who are located less than 1 mile away from the school. The wood chips are delivered by a specialist blowing vehicle which blows the fuel directly into the store.

Technical Specification

120kW underfed hearth Binder Boiler

2000 litre buffer tank

Cyclone exhaust cleaner

Chip – blown in via specialist chip blowing vehicle

Expected fuel usage – 80-100 tonnes per year

Expected CO₂ savings (compared with oil) – 75-90 tonnes/year

