

# Biomass wood chip boiler ETA HACK 130 kW District heating to 9 homes, Jedburgh



## Installation project

This development, of five steading conversions plus four substantial houses, was the first example of a district heating system in the Scottish Borders, incorporating biomass and solar technology. Each home has solar thermal panels connecting to an independent hot water cylinder that heats water in the summer so reduces energy bills.

District heating is cost and space effective. A single boiler house with fuel store houses the biomass equipment, delivering heat via insulated underground pipes. An extremely energy efficient heat recovery system. Each home requires only a heat exchanger and small heat meter to register customer based kW usage for accurate, individual billing.

- ▶ **Boiler type** ETA HACK 130 kW , accumulator vessels also integrated solar panel programmer
- ▶ **Fuel store** 48m<sup>3</sup> within boiler house
- ▶ **Estimated fuel use** 70 tonnes per annum
- ▶ **Service requirements** Annual service of boiler plus heat interface units

## Client testimonial

The developer, Gilbert Properties, has found the wood fuel experience very positive, now they have had the system a while and fully understand it , concluding biomass produces more heat than equivalent sized oil boilers. They commend Border Eco Systems depth of experience. Equally the homeowners are delighted with their green credentials and low outgoings.