



# CARBON NEUTRAL ENERGY

**Forest Fuels Ltd**

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Forest Fuels was established in 2000 by Sam Whatmore, since when it has become the leading producer and supplier of woodfuel in the south west. With over seven years' experience in woodfuel production and a further 20 in managing woodlands, Forest Fuels' team provides unrivalled advice and consultancy services in all aspects of woodland management and woodfuel production including processing, handling, storage and delivery.

## WOODFUEL SUPPLY

**Using specialist machinery and its own storage depots throughout the south west, Forest Fuels provides woodfuel to the correct specification for all models of commercial wood-fired boilers.**

The raw material to produce woodfuel is plentiful in the UK. The Forestry Commission calculates the annual sustainable yield of timber from UK forests by area; only 500,000 tonnes of the annual potential of 1.1m tonnes in the south west is currently cut. Forest Fuels can provide long-term, guaranteed supplies of woodfuel and has established links with the Forestry Commission and many private estates, sawmills, joinery organisations and other growers across the south west.

### Production

Automatic wood-fired boilers are usually installed with dedicated woodfuel stores to ensure they can operate over long periods without manual handling or maintenance. It is therefore essential that woodfuel supplied complies with individual boiler specifications for particle size, moisture content and without contaminants. Our production process is carefully managed and delivered to ensure a consistently high quality of woodfuel is maintained.

Forest Fuels' team of experts can advise on woodfuel specifications to ensure optimum efficiency and uninterrupted operation of boilers.

### Demonstrations

Forest Fuels operates its own wood-fired boiler and customers are welcome to visit our offices to view a demonstration and hear of its reliability. Alternatively we are happy to arrange for visits to other boiler locations.

### Supply Contracts

Forest Fuels offers supply contracts that guarantee quantities and qualities of woodfuel which are tailored to meet their customers' needs. A long term contract provides the opportunity for planning and has the benefit of ensuring a secure supply at the most advantageous price.

Typically supply options include:

- Long term (3-5 years) woodfuel supply contract
- Fuel conversion service from customer's own timber supplies
- Long term fuel management contracts where Forest Fuels takes responsibility for continuity of fuel supply but where required, incorporates a customer's own timber
- 'One off' or emergency woodfuel supply can also be accommodated
- Fuel can be supplied by the kWh, cubic metre or tonne.

To ensure a prompt and continual supply from local woodland resources, Forest Fuels delivers woodfuel throughout the south west from their depots around the region.

## WOODFUEL CONSULTANCY

**Through Woodfuel Solutions, Forest Fuels also provides consultancy to individuals and organisations considering the installation of a wood-fired boiler.**

Woodfuel Solutions is a specialist in its field both regionally and nationally, as demonstrated by our client base which includes the Eden Project, Dorset, Devon and Cornwall County Councils, Bristol City Council, the MOD, the Foreign & Commonwealth Office and a wide range of private individuals and estates.

We specialise in providing expertise in the layout and design of woodfuel stores and delivery mechanisms. Due to intrinsic issues unique to handling, production, storage and transport of woodchip as a fuel source, this is a field requiring experience and specialist knowledge. We can also find and secure a fuel supply stream to provide a long term fuel contract. Whilst we can guarantee a fuel supply to ensure consistent volumes and quality to the exact specification required for an installed boiler heating system, a long term contract price is affected by a number of factors. They include gross expected annual consumption, fuel specification and on site delivery/fuel receipt facilities. Until these factors are clearly defined, an exact price cannot be specified. Our initial feasibility study, site assessment and fuel store design advisory service can help to progress these aspects of a project to clarify the final fuel price.

## WOODLAND MANAGEMENT

**Forest Fuels provides a range of woodland management services including advice to woodfuel customers looking to manage their own woodland resource to produce timber, woodfuel and to enhance capital value.**

Forest Fuels' own dedicated contract team carries out a range of forest and woodland management activities including all aspects of harvesting.

### Management

With recognised forestry professionals in the team, Forest Fuels are able to assist clients in the development and delivery of long term site management plans tailored to the owners' objectives. As part of this process we can ensure legal compliance through a felling license and where appropriate secure grant funding through the Forestry Commissions English Woodland Grant Scheme.

### Harvesting

Forest Fuels has its own in house harvesting team, which uses agricultural based equipment and motor manual approach. This allows us to specialise in small difficult sites and we have a particular interest in the restoration of plantations on ancient woodland sites (PAWS). As part of our harvesting activities we supply in the main to local markets for sawlogs, fencing, firewood etc however as a woodfuel supplier we are able to offer an additional market for material that might otherwise be left on site and wasted during the harvesting process resulting in a "cleaner" site with consequent benefits to regeneration and arguably biodiversity.

### Creation

In addition to woodland management, Forest Fuels has been involved in a variety of woodland creation schemes in the South West Forest area including a scheme of approximately 50 hectares on our own farm in Shebbear, Devon.