

ecoheat at Worcestershire County Hall

In May 2002 Econergy installed a state of the art 700 kW fully automatic woodfuelled boiler to provide heat for Worcestershire County Hall. Installation, operation, maintenance and fuel supply are all provided by Econergy under a ten-year **ecoheat** renewable energy supply contract. Renewable Heat is sold to the Council at a tariff competitive with energy from fossil fuels.



Worcestershire County Hall

Some 500 tonnes of woodfuel per year will be sourced locally from forestry operations, generating income and supporting employment in the local economy.



Econergy designed and built fuel handling and reception

Worcestershire County Council regard the project as the first step in developing a home grown energy market and hope that this flagship project will stimulate uptake of the technology across the county.

ecoheat contract summary

- A 10 year **ecoheat** renewable energy supply contract
- Econergy supplied, installed, owns and operates the boiler plant and supplies woodfuel from sustainably managed local sources
- Delivering 1 - 1.3 million kWh / year of renewable heat
- Using approximately 500 tonnes of fuel per year
- Avoiding some 490 tonnes of Carbon Dioxide emissions per year



An Econergy woodfuel harvester

modern, clean and efficient

- Compte Compact C70DHV
- Moving grate wet wood boiler rated at 700kW @ 45% fuel moisture content
- Toughened 30% chrome grate, hydraulically activated
- Advanced combustion control: lambda & flame temperature sensing
- Boiler output automatically modulates to match load down to 25% of full output
- Boiler is rated 85% efficient at full output on fuel at 45% moisture content
- Maximum 60% fuel moisture content



Compact 700 kW woodfuelled boiler installed at Worcestershire County Hall

no-nonsense fuel handling

- Fuel delivered in the Econergy hook-lift bin system
- Two 35m³ containerised fuel storage bins automatically feed fuel to the boiler
- No tipping on site, no underground bunker, a concrete pad is all we require



The hook-lift bin fuel delivery system