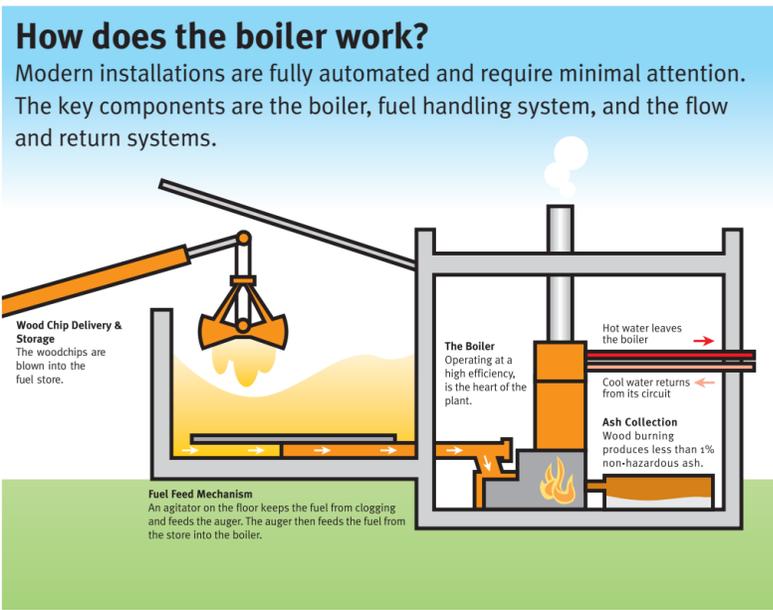


# Gartmore House

## Sustainable Heating for Guests

Gartmore House has installed a new heating plant that provides all the heat and hot water for its guests. The heart of the plant is a Fröling Turbomat 500kW woodfuel boiler (pictured) that runs on woodchips made from locally grown timber, providing energy at significantly less cost than oil or gas alternatives.



### Facts and figures

Boiler	Fröling Turbomat
Boiler output	500kW
Size of fuel store	60 cubic metres
Fuel use	500 tonnes p/a
CO2 savings	500 tonnes p/a
Capital costs	£250,000

### The fuel supply

The wood we use for wood fuel arrives at Gartmore as round wood logs.

Here it is dried and then made into woodchips which make it easier to burn.

The majority of timber used originates from the adjacent Queen Elizabeth Forest Park. The timber

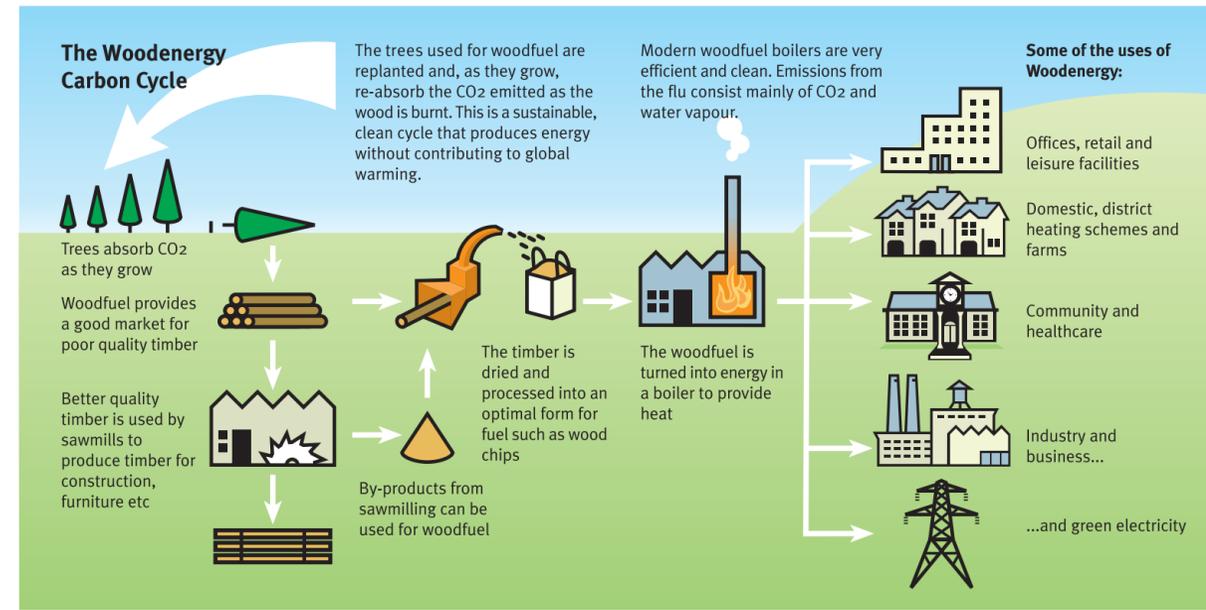
used is extracted during normal forestry operations; it generally has a low value. Before the new boiler was installed oil was used to heat the house which came by tanker from Grangemouth



### Sustainable Heating with

# WOOD ENERGY

SCOTLAND



### What is woodfuel?

Woodfuel is a modern, clean and environmentally friendly alternative to fossil fuels, and is an economic solution for the heating needs of public buildings, industry and business premises, agricultural buildings and households. It comes in many forms including logs, pellets (made from sawdust), and woodchips.

Woodfuel is widely used throughout mainland Europe for heating and power generation and is Europe's most important source of renewable energy providing 51% of all renewable energy.



A project of this type only happens because of committed people. Those who have helped include Renate Powell who had the brilliant idea, Hugh Clayden of The Forestry Commission, a trusted advisor who said "go for it", the Energy Saving Trust who gave advice and significant funding, Neil Phillips of SCHRI, the late Dr Robert Rippengal, and the team at Econergy, Dougie Petrie and his brother who generously gave their time and machinery, the Gannochy trust for funding, our Architect Mike Henderson, Alan McCormick and team who built the boiler house and the team at Gartmore House who have lived with the Project especially Alec Hill, who made a huge contribution.

