

## ***Bioenergy in Use***

### **Wallington Hall, Northumberland – Biomass Heating for a National Trust Historic Estate**

The National Trust aims to supply 50% of its total energy requirements from renewables by 2020, substantially reducing carbon emissions at its properties. Their estates commonly comprise a large number of historic buildings, often with variable levels of energy efficiency. As such, National Trust has chosen to install a number of efficient biomass boilers in order to provide a renewable energy solution which can reliably deliver the heat loads required by such properties.



In 2017, the National Trust's Wallington Hall in Northumberland installed two 130 kW wood chip fired biomass boilers to provide heat and hot water to the complex of buildings on site, including the main hall, estate cottages, offices, gift shop and café.

The biomass heating system replaced the estates oil fired boilers, reducing carbon emissions. The system was designed and installed by re:heat and is finely tuned to ensure high quality, efficient and reliable heat production, while high performance filters ensures any emissions are minimal.

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