

# EDGE RENEWABLES

Burford, Oxfordshire

## *Burford Farm House*

### Project Details

- 80kW wood chip fuelled biomass boiler
- The fully automated system is heating the main house and two other buildings via a pre-insulated pipe network.
- A hopper capable of holding 9 tonnes of woodchip was constructed within an existing farm building.
- The owners qualify for RHI payments



***“ We wanted a professional job with peace of mind. Edge Renewables had the knowledge and experience to install our biomass boiler, hassle free! ”***



- The fuel is pushed into the chip store using a lorry fitted with a walking floor.
- A 2000 litre accumulator tank supplies the services to each building housed within a designated boiler house.
- Edge Renewables installed heat exchangers at each location to link in with the existing infrastructure.





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The first heated property at Lower House.



The second heated property at Lower House.



The third heated property at Lower House.



The chip store and boiler shed for the boiler.



Within the boiler shed at Lower House.



## Financial Information

<b>Annual RHI Payments</b>	<b>£9,750 - £10,250</b>
<b>Fossil Fuel Savings Per Year</b>	<b>£12,000</b>
<b>Annual Wood Chip Cost</b>	<b>£4,200- £4,400</b>
<b>20 Year Estimated Savings</b>	<b>£440,000 - £460,000</b>
<b>Return on Investment</b>	<b>26 - 28%</b>
<b>Payback on Investment (Years)</b>	<b>3.5 - 4</b>

- Following the commissioning of the project in May 2013, the installation was approved for the non-domestic Renewable Heat Incentive (RHI) scheme.
- Heat meters are installed to record the usage of the system and provide accurate readings for the RHI
- The RHI will pay the owner of the installation for 20 years to heat their properties using their biomass boiler.
- The RHI incentive pays back the cost of the installation, usually within 5 years, allowing the client to recoup their costs, whilst improving the environment through burning renewable fuels.
- Payments continue for the full 20 years, linked with inflation and RPI.

