

# CASE STUDY



## Wymondham Medical Centre

### Description:

A renewable technology project aiming to reduce energy costs and carbon emissions at a medical practise.

### Renewable Technologies:

The evaluation of technologies focused on using either a biomass boiler or a Ground Sourced Heat Pump (GSHP) to replace gas heating. Solar Thermal was evaluated to provide hot water and Solar PV systems were considered to reduce electricity costs.

### Study Outcomes:

It was concluded that all technologies were viable. However, it was recommended that the biomass boiler and Solar PV would provide the greatest annual fuel and carbon savings.

### Combined annual benefits of a biomass boiler and 20.68 kWp Solar PV

<u>Renewable Technologies</u>	<u>Financial Savings</u>	<u>Potential RHI/FIT Income</u>	<u>CO2 Emissions saved</u>
<u>Biomass boiler</u>	£891.78	£10,339.80	25.4 tonnes
<u>20.68 kWp Solar PV</u>	£1,720.00	£5,426.52	8.5 tonnes

***If you are interested in renewable energy technologies, want to know whether your site is suitable and how much energy & CO<sub>2</sub> emissions you could save contact our office on 01953 798112.***