



Description:

Feasibility study for the proposed renewable energy technologies

Renewable Technologies:

3.8; 8.5 kWp Solar PV system

32.7 kW Ground Source Heat Pump (GSHP)

5.0; 11.0 kW Wind Turbine

Wood Pellet Stove

Solar Thermal

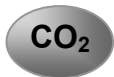
Study Outcomes*:



Up to **81,330 kWh of heating demand** would be generated by the GSHP system, and **28,775 kWh of renewable electricity** could be potentially generated by solar PV system and wind turbine per year



£2,130 annual savings from renewable electricity, and additional income could be earned from Renewable Heat Incentive (RHI) scheme, and up from Feed in Tariff (FIT) scheme



Up to **4,685 kg of CO₂ emissions savings** per year

Our client was awarded Low Carbon Building Programme grant that funded 50% of the capital costs of the installation. The client has already installed solar thermal and wood pellet stove and is currently installing a ground source heat pump.

If you are interested in renewable energy technologies, want to know whether your site is suitable and how much energy & CO₂ emissions you could save contact our office on 01953 798112.

* Based on site specific conditions, technology quotations, and electricity price at 10p/kWh.