



Private Bungalow, Acle

Description:

A renewable technology project aiming to reduce energy costs and carbon emissions on an existing property and proposed extension.

Renewable Technologies:

Several technologies were evaluated including an Air Sourced Heat Pump, (ASHP), a liquid biofuel boiler, biomass and solar PV.

Study Outcomes:

It was concluded that the ASHP, liquid biofuel boiler and solar PV were the most viable options. Whilst biomass was considered, the site itself was not viable for the use of HGV's delivering fuel.

Annual benefits of liquid biofuel, 11 kW ASHP and 1.5 kWp Solar PV

<u>Renewable Technologies</u>	<u>Financial Savings</u>	<u>Potential RHI/FIT Income</u>	<u>CO₂ Emissions saved</u>
<u>11 kW ASHP</u>	£185.16	£1,069.28	3,371 kg
<u>1.5 kWp Solar PV</u>	£154.56	£557.70	666 kg
<u>B30k Liquid Biofuel</u>	Nil	£533.40	4,027 kg

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.