



Anglian Building Products has completed two renewables pilot projects.

Undertaking works both in Ipswich and Barnstaple, a solar photovoltaic (PV) array and air source heat pump were installed to the two properties.

Both properties selected were 'off the grid' and had in place old, defective storage heaters which generated costly heating bills.

A Mitsubishi 2.2kw photovoltaic panel and a Daikin Monobloc 8kw air source heat pump were installed to the property in Ipswich. A Mitsubishi 5kw Ecodan air source heat pump and a 1.14kw Mitsubishi photovoltaic panel were installed to the property in Barnstaple.

The PV panels were placed onto the roof in a southerly facing position and fitted into an AC/DC inverter and total generation meter.

The installation of the new central heating systems will ensure residents receive a significant reduction on their annual fuel bills. This is due to the free electricity supplied by the solar panels combined with the energy efficiency of the heat pump.

"These are two great installations to demonstrate the powerful combination of installing PV and air source heat pumps. The installations went really well and the residents were delighted with the quality of work done."

Stephen Preece, Renewables Director

PLEASE TURN OVER



	Ipswich	Barnstaple
Assumptions		
Annual energy generation	1,653KWh	1,147KWh
Generation tariff	41.3p per KWh	41.3p per KWh
Cost of grid electricity	12p per KWh	12p per KWh
Benefits		
Generation tariff income	£683.00	£497.00
Savings of grid electricity	£99.00	£75.00
Export income	£24.00	£18.00
Export tariff		
Export tariff	3p per KWh	3p per KWh
Proportion consumed/exported	50/50	50/50
Total projected annual financial benefit	£806	£509

CONTRACT DETAILS

Product: **Ipswich:** Mitsubishi 2.2kw photovoltaic panel and Daikin Monobloc 8kw air source heat pump.
Barnstaple: Mitsubishi 5kw Ecodan air source heat pump and 1.14kw Mitsubishi photovoltaic panels

“I am extremely happy with the work Anglian has delivered. I have very specific needs which have been catered for and I feel confident that the new heating system will dramatically improve my living conditions.”
Ipswich resident

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