

# CASE STUDY: RETROFIT AIR SOURCE HEAT PUMP IN BUNGALOW REPLACING GAS



In July 2012, Somerset resident Mr. Donald Stone replaced his gas boiler with an 8.5kW air source heat pump supplied by Ice Energy. The heat pump distributes heat via a system of double panel radiators in Mr. Stone's detached, 2-bedroom bungalow. Read on to learn more about his experiences.



## What prompted you to investigate heat pumps?

"I was aiming to reduce my carbon emissions as a way of reducing the overall damage being done to the environment.

"As I had insufficient land for a ground source heat pump, I looked at an air source heat pump instead."

## How did you find the installation process?

"Problems arose initially as air source heat pumps weren't a permitted development. I therefore had to obtain a Certificate of Lawfulness from the planners at a cost of £75.

"There were no other problems with the installation which took 5 days including the base slab, other than the need to place the heating tank in my roof space. Double-panel radiators were fitted to the existing underfloor micro piping. I have also installed a 13-panel, 2.6kW solar PV system."



## What has it been like living with heat pumps?

"Very easy. The only control requiring adjustment is the room thermostat. 25°C temperatures are maintained throughout my home."

## What would you say are the benefits of heat pumps?

"For me the benefits are more comfortable living conditions. There is no requirement for interior doors to be kept shut and the temperature is constant throughout the bungalow."

## What impact has your heat pump had on running costs?

"I have experienced savings of £500 on normal gas costs and an extra £900 on electricity costs.

"Water costs will be higher due to the time taken to reach the hot taps given the fact that the heating tank has had to be installed in the roof space."

## Why did you choose Ice Energy as your heat pump provider?

"A search made on the internet and good reviews from people with heat pumps."

## What has the service been like from Ice Energy and would you recommend them to others?

"The service has been good and yes I would recommend Ice Energy to others."

To find out how you could benefit from heat pumps, call free on

**0808 145 2340** or visit our website

**[www.iceenergy.co.uk](http://www.iceenergy.co.uk)**

