

Case Study



Home Improvement Kirklees Housing Association West Yorkshire

“Many residents have said that this has changed their lives”

Tom O’Sullivan - Energy Officer

The Project

The Kirklees project just a few miles from Huddersfield, West Yorkshire is improving the lives of many housing association residents. Previously, all of the properties were fitted with electric storage heaters resulting in high energy bills and the other disadvantages of storage heating. The first phase of the project, installation of heat pumps in 47 of the properties, is proving to be a success story with many residents delighted with the flexibility and low cost of the units. The second phase is planned to commence in early 2008.

The Installation

For each property a full wet system was installed throughout. The Green Power air source heat pumps were floor mounted on concrete bases and situated to the rear of each property, For back up heating boost heaters were also installed. The boost heaters were only expected to be used on the rare occasion where heating was needed and the outside temperature was below -5°C. The Energy Officer overseeing all installations said that so delighted were the residents with the air source heat pump and lower fuel costs that even the few residents that had opted not to have an installation had now asked to be included in the scheme.



Technical Information

Property

47 - 1 and 2 bedroom houses and flats previously with all electric heating systems.

System

Green Power 6kW and 8kW Air Source Heat Pumps

Additional installations

Boost Heater

Heat Collection

Air source heat pump

Heat Distribution

Wet system via radiators

Annual expected savings

Approximately 75% compared to the original all electric system

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