



Client

Moray Housing Partnership

Products

Dimplex air source
heat pump

Partners

Earthwise Scotland

Dimplex heat pumps pass the 'UK First' Test

Dimplex heat pumps are at the leading edge of a pioneering energy savings test by Scotland's Moray Housing Partnership, the first of its kind in the UK.

Two Dimplex air source heat pumps were selected to provide heating and domestic hot water for the pilot which is designed to investigate the potential of using renewable energy and heat pumps to improve indoor comfort levels and reduce tenants' fuel bills.

Installed in Autumn 2006, the heat pumps' performance is being closely logged and monitored in both properties, linked to consumption and temperatures. Prior to the start of the trial, energy audits were carried out and NHER Surveyor 3 software was used to predict the annual energy consumption which is forecast to achieve a 70% running cost saving and a CO² reduction of 3.7tonnes per annum.

As the project is the first of its type trialled by Moray Housing Partnerships (MHP), it's difficult to confidently predict the energy savings which will be achieved over a year, but the early feedback is encouraging says MHP's Raymond Duguid.



“We wanted to examine how we can help reduce our properties’ CO² emissions and improve comfort for our tenants at the same time and Dimplex air source heat pumps provided the practical solution for retro fits. The systems have only been running for a couple of months but the tenants are already telling us that they are delighted with their systems and there’s also a significant fuel bill reduction,” he says.

Dimplex approved installer Earthwise Scotland was selected by MHP, after a detailed tender process, to provide the systems in the two properties which were chosen in consultation with tenants. As the properties were already complete with gardens and landscaping, as well as limited surface area for a ground loop system, air source heat pumps were chosen as the most viable option and the Dimplex LA8MR and LA10MR were selected for outdoor installation.

Internal space limitations was an issue for both properties in the trial – a three bedroom, semi detached house and a one bedroom bungalow. Although the boiler is more efficient when the buffer tank is fitted as close to it as possible, the system’s flexibility means that one of the properties had a lack of cupboard space, so the buffer tank was situated in the attic.

A maximum grant for the pilot project was awarded by the Energy Saving Trust under the Scottish Community and Householder Renewables Initiative.

