

# Case studies

Since the first Dimplex LCBP2 funding success for a new extension at Norfolk's Scarning Primary School in early 2007, Dimplex has helped more public sector organisations to access these grants than any other supplier, with around three quarters of heat pump applications to date specifying Dimplex equipment.

An overview of a few installations we have completed are shown here.



## Schools – London

Ealing Council has been so impressed with Dimplex ground source heat pumps at one new school that it has installed them at two further schools and plans to have them at a fourth. The installation of heat pumps means the building projects easily met the local authority's 10% renewable energy 'Merton Rule'. Installer partner Earth Energy carried out the work at Grange Primary School including the drilling of 15 boreholes in a restricted area which is now the playground.

## Village Hall with 100% Funding – Gloucestershire

Rendcombe Village Hall, near Cirencester was the first installation of its kind to receive 100% grant funding for the installation of a Dimplex ground source heat pump. The village hall committee obtained 50% from LCBP2 and then secured 50% match funding through the Community Sustainable Energy Programme (CSEP)\*. Using vertical boreholes to extract the heat, Dimplex installer partner Ecovision System installed a Dimplex SI 14 ME heat pump and completed all the ground works.

\* See page 9 for more details on this scheme.

## Housing association – Norwich

Norwich-based Dimplex heat pump installer partner Eonic Ltd has installed the SI 5 ME ground source heat pumps at a Flagship Housing Group housing development. The homes have a highly insulated timber frame design, achieving a Level 3 rating. As space is at a premium within the properties the units are concealed in garden shelters.



## Community centre – North Shields

Dimplex installer partner Revolution Power has installed a Dimplex SI 50 TE for the Meadows Neighbourhood Centre. The ground source heat pump will feed both the heating system and hot water tanks and the system is expected to halve the centre's annual heating costs and save around 215 tonnes of CO<sub>2</sub> over its lifetime.



## Lifeboat station – Wirral

A new build lifeboat station at Hoylake, on the Wirral, is now heated by a Dimplex SI 9 MS 9kW ground source heat pump linked to a buried 'slinky' heat collector. As the structure is located right at the water's edge, Dimplex installer partner Earth Energy laid the collectors under the tidal area – a highly efficient means of transferring environmental heat.



## Prep School – Northumberland

A new sports hall at Rock Hall prep school is now benefiting from reduced energy costs following the installation of a 20kW ground source heat pump. As well as school activities, the facility will be used by the local community. The system was installed by Revolution Power, one of Dimplex's installer partners.



## Community centre – Wrexham

A new £2.3 million enterprise and community centre in Wrexham, Plas Pentwyn, which features a range of community facilities from a new library and computer training suite to meeting rooms and office accommodation, is heated by a Dimplex SI 50 TE ground source heat pump with a coiled horizontal collector, which was installed by Azure Natural Energy Systems, one of Dimplex's installer partners.



## Primary school – Norfolk

Scarning Primary School in Dereham, Norfolk has Dimplex ground source heat pumps in a new extension to deliver low carbon heating and to fulfil the school's desire to move to renewables. The three SI 21 CS heat pumps were installed by Dimplex installer partner, Eonic, with the education authority saving over £12,000 from the LCBP funding.

