



nPower & Kirklees CC EIGHTLANDS HOUSING

Working directly with nPower and Kirklees County Council, Rural Energy delivered this large scale 2MW district heating project for Eightlands social housing in Kirklees.

Rural Energy acted as main contractor for this project, providing full design and installation services as well as co-ordinating works, deliveries and subcontractors on site.

The scheme required the safe removal of extensive asbestos at the site plus the planning and design of a 500kW biomass heating system with a 1.5MW gas heating back-up.

A careful methodology of works was designed by Rural Energy that allowed for nPower, Kirklees County Council and all sub-contractors to work in partnership. The asbestos was safely removed by a specialist subcontractor to allow for pipework and other plant room works to be prepared and the installation of the high efficiency gas boilers and a 500kW Herz BioMatic then followed.

PROVIDING HEAT TO 180 HOMES

With 180 homes reliant on the existing gas heating system, works were planned to minimise the disruption caused by switching to a new heat supply. The new gas boilers were installed whilst the old system remained in place and the Herz biomass boiler with v-profile prefabricated fuel store installed shortly after.

The district heating system is now controlled centrally and the back-up gas and biomass boilers work in harmony with one another - if one system is either down or undergoing maintenance the other can be used as a back-up, allowing for a constant supply of heat.

DEVELOPING A PROJECT IN PARTNERSHIP

Eightlands is a prime example of a deprived area that needed investment. Rural Energy, nPower and Kirklees County Council worked together to combat fuel poverty. nPower regularly funds renewable energy projects across the UK with its 'offset' funding packages - this funding helps nPower give back to the communities that need it most.

CASE STUDY FOCUS

Supplying a

500kW

Herz® BioMatic

Integrated with

1.5MW Gas

Working with

Main Contractor: Rural Energy

Funding Partner: nPower

Client: Kirkless County Council

SYSTEM SUMMARY

Boiler Type: Herz® BioMatic

Fuel Type: Wood pellet

Fuel Store: Energy centre