

Wyndford Housing Estate, Maryhill

Energy Efficiency Retrofit

MEARU

Cube Housing Association commissioned MEARU to investigate energy issues affecting the Wyndford Housing Estate in Glasgow. MEARU developed a package of low energy upgrading measures to address issue of fuel poverty and poor environmental conditions, whilst minimising energy use and maximising use of renewable and CO2 neutral generation.

The Wyndford Estate located in the heart of Maryhill includes approximately 2000 properties in a range of multi storeys, JDHU blocks with flatted and maisonette house types. As a result of the poor thermal performance of the buildings these tenants experience fuel poverty due either due to debt as a result of heating or not heating due to fear of debt. The study examined the building fabric performance of the each housetype, and developed a series of design options for improvement including enhanced insulation, window replacement and glazed sunspaces.

Cube HA subsequently invested in a phased upgrade of the housing implementing many of MEARU's recommendations including the installation of a Combined Heat and Power (CHP) engine providing heating and hot water to over 15000 tenants. This gained significant media attention as it was the largest of its type installed in the UK.

Project Title: Wyndford Housing Estate Upgrade

Client/ Funding body: Cube Housing Association

Date : Aug 2007

Project value: £30,00

Team: MEARU- Prof Tim Sharpe, Prof Colin Porteous, Rosalie Menon,

Links

Cube Housing Association
<http://www.cubehousing.co.uk>