

Case Study – Pollokshaws West Station Renewable Options

On Site Generation was commissioned in February 2009 by the Glasgow Building Preservation Trust to assist their option appraisal team in looking at renewable energy and heating options for the redevelopment of Pollokshaws West Station, a Category B listed railway building and the oldest operating station in Scotland.

Following a close look at heat loss and energy efficiency measures, renewable energy options were considered including biomass heating, ground and air source heat pumps, solar thermal, wind generation and photovoltaics.



Project Details

Client: Glasgow Building Preservation Trust

Type: Energy Efficiency and Renewable Energy Options Appraisal

Value: £2,650 (excl. VAT)

Completed: April 2009

Funding: Full SCHRI technical grant

Project Recommendations

A wood pellet heating system would be able to provide the level of heating required to heat the main station building and also provide hot water. Installing a wood pellet stove boiler on the mezzanine level in the reception and display area would provide an attractive feature to users entering the building and supply radiator heating to the rest of the building. The system would ignite automatically and be fully controlled by a timer and thermostats to come on and go off as required.