

LINLITHGOW NATURAL GRID LTD 'HEAT FROM THE STREET'



LOCAL ENERGY CHALLENGE FUND INFO SHEET

Funding Type: Feasibility (£25,000)

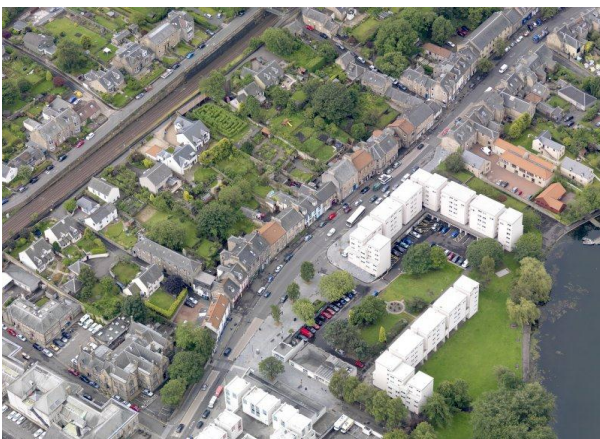
Location: West Lothian

LNG convenes Community, Council, business and academia with the aim obtaining greater energy independence for Linlithgow. The 'Heat from the Street' project has been developed by LNG to capture heat from waste water flowing beneath Linlithgow's streets through the application of the 'SHARC' waste water heat recovery system.

The 'SHARC' heat pump will be powered by Solar panels on the roof of adjacent flats and will capture heat from the waste water flow to provide heat for a mini district heating network which will service a cluster of energy intensive public buildings in the town centre.

The first users connected to the scheme are expected to be Low Port Primary School, St Michael's Church and Historic Scotland. Reduced net energy costs could potentially free resources for these organisations to better serve their constituents.

If the first phase of the project is successful LNG aims to expand the overall benefits of the scheme to supply local residents and businesses on the high street and blocks of Vennel flats which house families and pensioners which are mainly low income.



Aerial View of Vennel blocks (in white)

"While everyone's attention is on renewable energy, Linlithgow Natural Grid aims to achieve energy independence for Linlithgow through mobilising the cheapest energy of all - energy saved. LNG's 'Heat from the Street' project will reduce Linlithgow gas bills by harvesting both solar energy and heat from the waste water beneath the streets of Linlithgow."

Chris Cook - Director, Linlithgow Natural Grid Ltd

Visit www.localenergyscotland.org/challenge to find out more about the innovative local energy projects supported through the Scottish Government's Local Energy Challenge Fund