

RESURGENCE: Photovoltaics in Social Housing

client: Peabody Trust, European Community.

client brief: Assess the feasibility of PV in social housing as a re-roofing material for different building types.

our solution: Outline design of PV array suitable for various re-roofing applications. Funding procurement through the RESURGNCE EC program. Project management and reporting to EC.

description: The EC funded RESURGENCE project has successfully met its objective to install 1.3MWp of photovoltaics in social housing across 5 participating European countries. The project involves 17 partners, including engineers, architects, housing associations and utilities. Element Energy, working on behalf of the Peabody Trust, is project managing the completion of the project, with responsibility for coordinating the efforts of the European consortium and for reporting technical and financial results to the European commission.

For the Peabody Trust, the RESURGENCE project serves as an initial three year pilot to use PV on re-roofing developments currently underway across their property estate. If successful, PV technologies will be fully integrated into their re-roofing strategy for all the properties which they own. A major component of the project is to tackle the problem of installation of PV onto a diverse range of existing roofs, which were not designed for PV technology. Properties to be re-roofed include large apartment blocks and small distributed properties. The PV will be used to subsidise the cost of electricity to the Peabody Trust's social tenants.



Peabody Trust Whitecross street social housing (© WBP).



Roof-top photovoltaics (© WBP).