



RE:FIT Projects Tranche 1: Kempston Centre - Solar Photovoltaic Panels



Background to the RE:FIT programme

Bedford Borough Council is working in partnership with Mitie to install a series of energy conservation measures and renewable energy technologies in a number of Council buildings. Mitie guarantees the energy and carbon savings to be achieved over the lifetime of the energy performance contract.

One of the sites in Tranche 1 of the RE:FIT programme is the Kempston Centre.

Project Details and Savings

Solar photovoltaic panels (solar PV) have been installed on the pitched roof at the centre helping to reduce the sites electricity consumption and to create an income through the Feed-in-Tariff (FIT) scheme.

The 21kW system comprises of 91 panels, rated at 235W each, spread across two roofs. It is estimated that the system will generate approximately 18,000kWh/annum, saving around 8,000kWh/annum for the centre (£897/annum). The income from the Feed-in-Tariff is estimated to be around £2,336 plus £403 for export per annum. The total financial benefit of the scheme is approximately £3,636/annum.

The project will result in a carbon saving of 4,703kgCO₂/annum.